

**WATER DISTRIBUTION  
OF  
BOISE RIVER  
DISTRICT 63  
1991**

REPORT ON  
CANAL DELIVERIES FROM  
BOISE RIVER  
AND  
DIFFERENT FEATURES AFFECTING THESE  
DELIVERIES FOR THE IRRIGATION SEASON  
OF 1991

(DATA FOR THIS REPORT GATHERED BY THE  
WRITER WHILE ACTING IN THE CAPACITY OF  
WATERMASTER OF THE BOISE RIVER.)

(COOPERATIVE DATA ALSO FURNISHED BY  
THE UNITED STATES BUREAU OF RECLAMATION.)

BY  
LEE SISCO  
WATERMASTER, BOISE RIVER

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## SUMMARY

The 1991 water year was, to say the least, disappointing in terms of water supply. The Boise River drainage basin has experienced a fifth year of below normal precipitation and the water user community is nervous that this may be a long term trend.

There was only about 1.0 million acre feet of runoff, which is 800,000 to 900,000 acre feet short of being a somewhat normal year. Irrigators and water managers were forced to tighten-up and again practice very strict water management techniques to stretch their natural flow and storage water. There was approximately 60,000 acre feet left in the upper three storage reservoirs at the end of the 1991 season. This was a suprisingly large amount of carryover when you consider the severity of the water shortage. Irrigators and managers are becoming more and more efficient with their water as this dry cycle continues.

Because of the short water year, the Boise River Water Bank again proved to be of value to the water users. There was 2,765 acre feet sold thru the Bank and perhaps several thousand more could have been marketed had it been made available. With this dry cycle, most storage holders are being very conservative about placing water in the bank.

One other problem that may plague us in the future, if the basin returns to a normal water cycle, will be flooding. With the past low water years there has been no lengthy flood control operations. The river has not had a chance to clean itself since 1986. There seems to be some reduced carrying capacity in the river and should we go back to making flood control releases the Eagle Island area may not carry the flows.

All of the data presented in this report will be based on an Irrigation Year, that being from November 1st to October 31st.

Only information concerning the Annual Water Users Meeting or budget matters will be based on a Calendar Year.

Cooperative assistance is rendered by the Boise Project Board of Control in current meter work for which the proper renumeration is made.

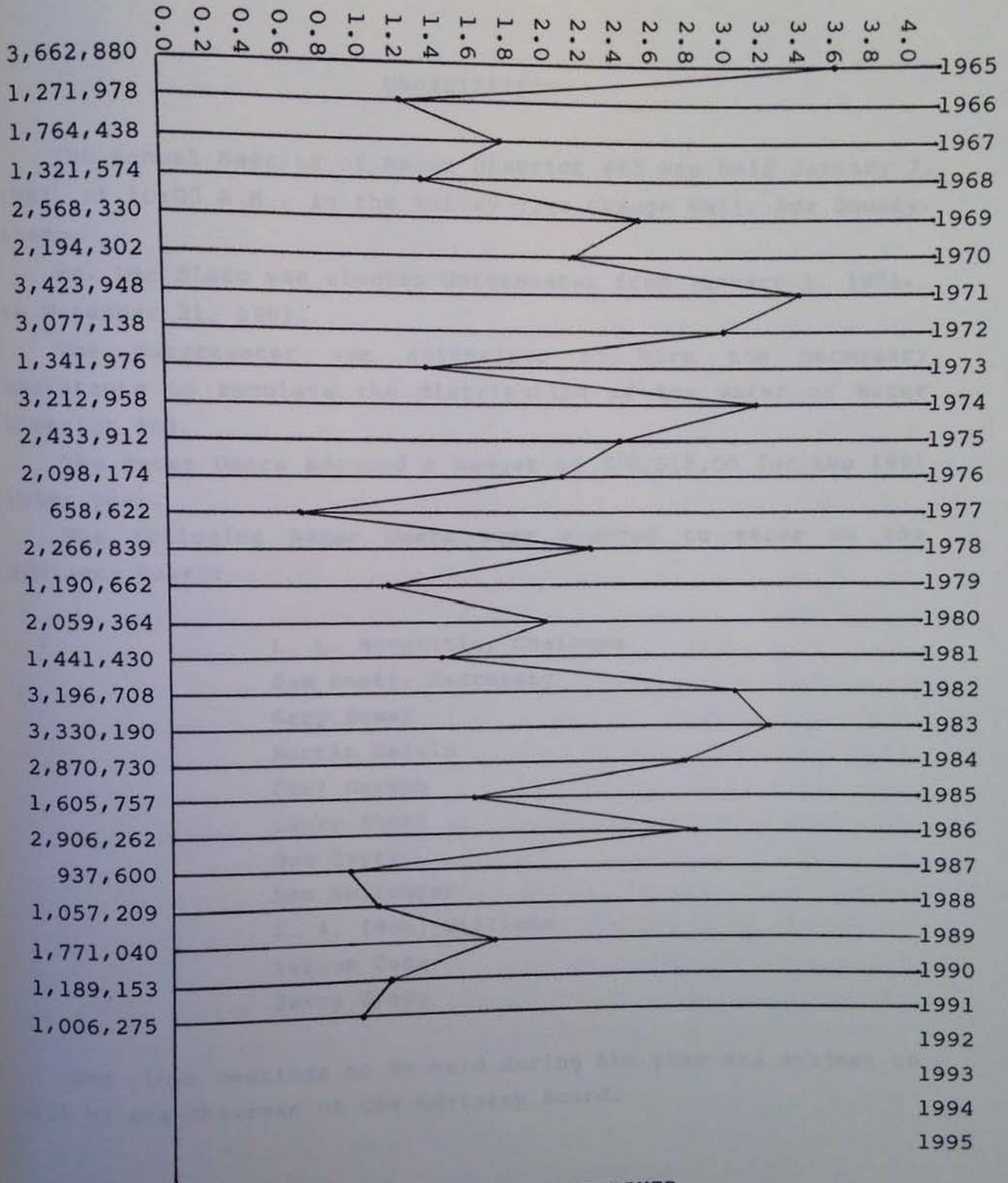
We take this opportunity to express our appreciation and gratitude for the assistance of the Department of Water Resources and the Central Snake Project Office of the Bureau of Reclamation.

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# RUNOFF IN MILLIONS OF ACRE-FEET



ANNUAL RUNOFF OF BOISE RIVER

## ORGANIZATION

The Annual Meeting of Water District #63 was held January 7, 1991, at 10:00 A.M., in the Valley View Grange Hall, Ada County, Idaho.

Mr. Lee Sisco was elected Watermaster from January 1, 1991, to December 31, 1991.

The Watermaster was authorized to hire the necessary assistants to regulate the distribution of the water of Water District #63.

The Water Users adopted a budget of \$46,315.00 for the 1991 water year.

The following Water Users were elected to serve on the Advisory Board:

L. L. Murgoitio, Chairman  
Sam Rosti, Secretary  
Gary Bower  
Martin Galvin  
Carl German  
Larry Story  
Don Sayre  
Don Smitchger  
J. A. (Bob) Williams  
Vernon Case  
Jerry Gregg

Any other meetings to be held during the year are subject to call by the Chairman of the Advisory Board.

## DECREES

### Stewart Decree:

The old water rights from the Boise River are included in the decree in the case of FARMERS COOPERATIVE DITCH COMPANY, a Corporation, vs. RIVERSIDE IRRIGATION DISTRICT, LTD., a Corporation, et al, signed by District Judge George H. Stewart, January 18, 1906, commonly referred to as the "Stewart Decree". This case was appealed to the Supreme Court and affirmed as to priorities and acreage, but remanded to the District Court for the sole and only purpose of determining the duty of water. In 1914 testimony was taken before the Court as to the duty of water and was transcribed, which consists of approximately 2,630 typewritten pages. The final decree of the Court as to the duty of water has never been entered. However, Judge E. L. Bryan, Judge of the District Court of the Seventh Judicial District of the State of Idaho, issued a continuing order on May 31, 1919, which is still in effect, providing for the distribution of waters of the Boise River in the following manner, to-wit:

"The various rights, as adjudicated in the so-called "Stewart Decree", shall receive 100 percent, until the natural flow of the waters of the Boise River shall decrease, until all the rights in said decree cannot receive 100 percent, at which time the various rights as adjudicated in the so-called "Stewart Decree" shall first be cut to 75 percent of the amount of water decreed by the "Stewart Decree" as the natural flow of the Boise River decreases, beginning with the latest right and proceeding to the earliest rights in the order fixed in said "Stewart Decree", and after all of the rights shall have been reduced to 75 percent of the amount fixed in the "Stewart Decree", should the natural flow of the waters in the Boise River decrease

below the amount necessary to supply said 75 percent of the water rights as decreed in said "Stewart Decree", then the various rights beginning with the latest and proceeding to the earliest, as aforesaid, shall be reduced to 60 percent of the amount specified in the "Stewart Decree", and 60 percent of the amount decreed in the "Stewart Decree" is hereby fixed and determined as the highest duty of water for year 1919.

Bryan Decree:

In the SEVENTH JUDICIAL DISTRICT of the State of Idaho, Judge E. L. Bryan signed a decree on February 14, 1929, in the case of PIONEER IRRIGATION DISTRICT vs. AMERICAN DITCH ASSOCIATION, et al, commonly referred to as the "Flood Water Suit", or "Bryan Decree". All rights decreed in this case are made subsequent to the "Stewart Decree. This case was appealed to the Supreme Court where it was upheld as to some of the rights involved but remanded to the District Court for retrial on the question of the duty of water and also for the purpose of determing certain other rights.

On January 30, 1932, Judge A. O. Sutton signed an order temporarily establishing the various rights in the "Flood Water Suit" and providing for a duty of water similar to the "Sliding Scale" in the Stewart Decree. On June 23, 1933, Judge Chas. E. Winstead of the THIRD JUDICIAL DISTRICT, sitting as Judge in the SEVENTH JUDICIAL DISTRICT for the State of Idaho, signed a continuing order making the order of Judge Sutton for 1932 effective for 1933 and continuing. This order has remained in effect since that time.

Chart #1 shows the condensed "Stewart Decree", listing right holders, priority dates and the amount decreed. Chart #2 shows the Intervenorrs in the "Stewart Decree", showing the owner, priority date and amount decreed.

The Stewart and Bryan Decrees are also grouped under the canal name for ease in locating the current right owner, Chart #3.

Chart #4 shows the 60%, 75% and 100% flows required to satisfy the order of Judge Bryan for the Stewart Decree. Also, Chart #5 shows the same thing for the Bryan Decree.

|     |                |      |     |     |
|-----|----------------|------|-----|-----|
| 1   | Stewart Decree | 100% | 100 | 100 |
| 2   | Bryan Decree   | 100% | 100 | 100 |
| 3   | Stewart Decree | 75%  | 75  | 75  |
| 4   | Bryan Decree   | 75%  | 75  | 75  |
| 5   | Stewart Decree | 60%  | 60  | 60  |
| 6   | Bryan Decree   | 60%  | 60  | 60  |
| 7   | Stewart Decree | 100% | 100 | 100 |
| 8   | Bryan Decree   | 100% | 100 | 100 |
| 9   | Stewart Decree | 75%  | 75  | 75  |
| 10  | Bryan Decree   | 75%  | 75  | 75  |
| 11  | Stewart Decree | 60%  | 60  | 60  |
| 12  | Bryan Decree   | 60%  | 60  | 60  |
| 13  | Stewart Decree | 100% | 100 | 100 |
| 14  | Bryan Decree   | 100% | 100 | 100 |
| 15  | Stewart Decree | 75%  | 75  | 75  |
| 16  | Bryan Decree   | 75%  | 75  | 75  |
| 17  | Stewart Decree | 60%  | 60  | 60  |
| 18  | Bryan Decree   | 60%  | 60  | 60  |
| 19  | Stewart Decree | 100% | 100 | 100 |
| 20  | Bryan Decree   | 100% | 100 | 100 |
| 21  | Stewart Decree | 75%  | 75  | 75  |
| 22  | Bryan Decree   | 75%  | 75  | 75  |
| 23  | Stewart Decree | 60%  | 60  | 60  |
| 24  | Bryan Decree   | 60%  | 60  | 60  |
| 25  | Stewart Decree | 100% | 100 | 100 |
| 26  | Bryan Decree   | 100% | 100 | 100 |
| 27  | Stewart Decree | 75%  | 75  | 75  |
| 28  | Bryan Decree   | 75%  | 75  | 75  |
| 29  | Stewart Decree | 60%  | 60  | 60  |
| 30  | Bryan Decree   | 60%  | 60  | 60  |
| 31  | Stewart Decree | 100% | 100 | 100 |
| 32  | Bryan Decree   | 100% | 100 | 100 |
| 33  | Stewart Decree | 75%  | 75  | 75  |
| 34  | Bryan Decree   | 75%  | 75  | 75  |
| 35  | Stewart Decree | 60%  | 60  | 60  |
| 36  | Bryan Decree   | 60%  | 60  | 60  |
| 37  | Stewart Decree | 100% | 100 | 100 |
| 38  | Bryan Decree   | 100% | 100 | 100 |
| 39  | Stewart Decree | 75%  | 75  | 75  |
| 40  | Bryan Decree   | 75%  | 75  | 75  |
| 41  | Stewart Decree | 60%  | 60  | 60  |
| 42  | Bryan Decree   | 60%  | 60  | 60  |
| 43  | Stewart Decree | 100% | 100 | 100 |
| 44  | Bryan Decree   | 100% | 100 | 100 |
| 45  | Stewart Decree | 75%  | 75  | 75  |
| 46  | Bryan Decree   | 75%  | 75  | 75  |
| 47  | Stewart Decree | 60%  | 60  | 60  |
| 48  | Bryan Decree   | 60%  | 60  | 60  |
| 49  | Stewart Decree | 100% | 100 | 100 |
| 50  | Bryan Decree   | 100% | 100 | 100 |
| 51  | Stewart Decree | 75%  | 75  | 75  |
| 52  | Bryan Decree   | 75%  | 75  | 75  |
| 53  | Stewart Decree | 60%  | 60  | 60  |
| 54  | Bryan Decree   | 60%  | 60  | 60  |
| 55  | Stewart Decree | 100% | 100 | 100 |
| 56  | Bryan Decree   | 100% | 100 | 100 |
| 57  | Stewart Decree | 75%  | 75  | 75  |
| 58  | Bryan Decree   | 75%  | 75  | 75  |
| 59  | Stewart Decree | 60%  | 60  | 60  |
| 60  | Bryan Decree   | 60%  | 60  | 60  |
| 61  | Stewart Decree | 100% | 100 | 100 |
| 62  | Bryan Decree   | 100% | 100 | 100 |
| 63  | Stewart Decree | 75%  | 75  | 75  |
| 64  | Bryan Decree   | 75%  | 75  | 75  |
| 65  | Stewart Decree | 60%  | 60  | 60  |
| 66  | Bryan Decree   | 60%  | 60  | 60  |
| 67  | Stewart Decree | 100% | 100 | 100 |
| 68  | Bryan Decree   | 100% | 100 | 100 |
| 69  | Stewart Decree | 75%  | 75  | 75  |
| 70  | Bryan Decree   | 75%  | 75  | 75  |
| 71  | Stewart Decree | 60%  | 60  | 60  |
| 72  | Bryan Decree   | 60%  | 60  | 60  |
| 73  | Stewart Decree | 100% | 100 | 100 |
| 74  | Bryan Decree   | 100% | 100 | 100 |
| 75  | Stewart Decree | 75%  | 75  | 75  |
| 76  | Bryan Decree   | 75%  | 75  | 75  |
| 77  | Stewart Decree | 60%  | 60  | 60  |
| 78  | Bryan Decree   | 60%  | 60  | 60  |
| 79  | Stewart Decree | 100% | 100 | 100 |
| 80  | Bryan Decree   | 100% | 100 | 100 |
| 81  | Stewart Decree | 75%  | 75  | 75  |
| 82  | Bryan Decree   | 75%  | 75  | 75  |
| 83  | Stewart Decree | 60%  | 60  | 60  |
| 84  | Bryan Decree   | 60%  | 60  | 60  |
| 85  | Stewart Decree | 100% | 100 | 100 |
| 86  | Bryan Decree   | 100% | 100 | 100 |
| 87  | Stewart Decree | 75%  | 75  | 75  |
| 88  | Bryan Decree   | 75%  | 75  | 75  |
| 89  | Stewart Decree | 60%  | 60  | 60  |
| 90  | Bryan Decree   | 60%  | 60  | 60  |
| 91  | Stewart Decree | 100% | 100 | 100 |
| 92  | Bryan Decree   | 100% | 100 | 100 |
| 93  | Stewart Decree | 75%  | 75  | 75  |
| 94  | Bryan Decree   | 75%  | 75  | 75  |
| 95  | Stewart Decree | 60%  | 60  | 60  |
| 96  | Bryan Decree   | 60%  | 60  | 60  |
| 97  | Stewart Decree | 100% | 100 | 100 |
| 98  | Bryan Decree   | 100% | 100 | 100 |
| 99  | Stewart Decree | 75%  | 75  | 75  |
| 100 | Bryan Decree   | 75%  | 75  | 75  |

## STEWART DECREE

CHART NO. 1

## BOISE RIVER

| NUMBER | DATE     | NAME                              | AMOUNT DECREED |        | DEPT. OF WATER<br>ADMINISTRATION |
|--------|----------|-----------------------------------|----------------|--------|----------------------------------|
|        |          |                                   | SEC. FT.       | INCHES |                                  |
| 1      | 6-1-1864 | THOMAS DAVIS                      | 2.20           | 110    | 63-0120                          |
| 2      | 6-1-1864 | JACOBS CANAL CO.                  | 20.00          | 1000   | 63-0123                          |
| 3      | 6-1-1864 | MIDDLETON MILL DITCH              | 12.80          | 640    | 63-0124                          |
| 4      | 6-1-1864 | THOMAS ANDREWS                    | 3.30           | 165    | 63-0127                          |
| 5      | 6-1-1864 | CATLIN & MACE                     | 2.86           | 143    | 63-0132                          |
| 6      | 6-1-1864 | T. C. CATLIN                      | 3.30           | 165    | 63-0134                          |
| 7      | 6-1-1864 | C. C. HAVIRD                      | 3.30           | 165    | 63-0135                          |
| 8      | 9-1-1864 | PIONEER DIXIE DITCH CO.           | 20.00          | 1000   | 63-0136                          |
| 9      | 6-1-1865 | SIEBENBERG DITCH CO.              | 13.42          | 671    | 63-0138                          |
| 10     | 6-1-1865 | ALLEN V. WEBSTER                  | 1.20           | 60     | 63-0139                          |
| 11     | 6-1-1865 | J. F. YARYAN                      | .66            | 33     | 63-0141                          |
| 12     | 6-1-1865 | GRAHAM & GILBERT                  | 4.40           | 220    | 63-0144                          |
| 13     | 6-1-1865 | EUREKA WATER CO.                  | 33.32          | 1666   | 63-0145                          |
| 14     | 6-1-1865 | NEW UNION DITCH CO.               | 13.76          | 688    | 63-0146                          |
| 15     | 6-1-1865 | BOISE VALLEY IRRIGATION DITCH CO. | 54.58          | 2729   | 63-0147                          |
| 16     | 6-1-1865 | RIDENBAUGH & ROSSI                | 9.20           | 460    | 63-0148                          |
| 17     | 6-1-1865 | RIDENBAUGH & ROSSI (POWER)        | 265.80         | 13290  | 63-0149                          |
| 18     | 6-1-1865 | DENVER & IDAHO LAND CO.           | .80            | 40     | 63-0150                          |
| 19     | 6-1-1865 | MARTHA BOWMAN                     | 2.88           | 144    | 63-0151                          |
| 20     | 6-1-1865 | BIRD BOWMAN                       | 6.40           | 320    | 63-0152                          |
| 21     | 6-1-1865 | G. W. GESS                        | 2.90           | 145    | 63-0153                          |
| 22     | 6-1-1865 | ROBERT MCGUIRE                    | 3.20           | 160    | 63-0154                          |
| 23     | 6-1-1865 | C. W. COOPER                      | 3.20           | 160    | 63-0155                          |
| 24     | 6-1-1865 | J. W. ROLAND                      | 2.40           | 120    | 63-0156                          |
| 25     | 6-1-1865 | DRAPER & WELLS                    | 3.94           | 197    | 63-0157                          |
| 26     | 6-1-1865 | THOMAS J. PALMER                  | 1.60           | 80     | 63-0158                          |
| 27     | 6-1-1865 | NOAH W. PALMER                    | 1.58           | 79     | 63-0159                          |
| 28     | 6-1-1865 | J. N. TUCKER                      | 7.00           | 350    | 63-0160                          |
| 29     | 6-1-1865 | THOMAS ANDREWS                    | 6.00           | 300    | 63-0128                          |
| 30     | 5-1-1866 | J. PERRAULT & R. JOHNSON          | 50.00          | 2500   | 63-0161                          |
| 31     | 6-1-1866 | WILLIAM P. KENNEDY                | 2.60           | 130    | 63-0163                          |
| 32     | 6-1-1866 | MANVILLE & LEONARD                | 3.50           | 175    | 63-0164                          |
| 33     | 6-1-1866 | BOISE CITY CANAL CO.              | 38.06          | 1903   | 63-0165                          |
| 34     | 7-3-1866 | FRANKLIN DITCH CO.                | 15.40          | 770    | 63-0166                          |
| 35     | 6-1-1867 | CANYON COUNTY WATER CO.           | 75.80          | 3790   | 63-0168                          |
| 36     | 6-1-1868 | MARTHA E. MCCARTY                 | 14.10          | 705    | 63-0169                          |
| 37     | 6-1-1868 | H. D. & DORA GOODMAN              | 3.70           | 185    | 63-0170                          |
| 38     | 6-1-1868 | T. T. JOHNSON                     | 3.20           | 160    | 63-0171                          |
| 39     | 6-1-1868 | ROSS, ALLEN, DILLEY & ROSS        | 8.54           | 427    | 63-0172                          |
| 40     | 6-1-1868 | S. S. GRAY                        | 1.40           | 70     | 63-0173                          |
| 41     | 6-1-1869 | JOHN MAMMON                       | 1.80           | 90     | 63-0174                          |
| 42     | 6-1-1869 | ISAAC BEDAL                       | 1.60           | 80     | 63-0176                          |
| 43     | 6-1-1869 | FREDERICK ODE                     | 3.60           | 180    | 63-0177                          |
| 44     | 6-1-1869 | PRIOR BURNETT                     | 8.50           | 425    | 63-0178                          |
| 45     | 6-1-1869 | PIONEER DIXIE DITCH CO.           | 35.44          | 1772   | 63-0137                          |

## STEWART DECREE

CHART NO. 1

## BOISE RIVER

| NUMBER | DATE       | NAME                               | AMOUNT DECREED |        | DEPT. OF WATER<br>ADMINISTRATION |
|--------|------------|------------------------------------|----------------|--------|----------------------------------|
|        |            |                                    | SEC. FT.       | INCHES |                                  |
| 46     | 6-1-1869   | MASON CREEK DITCH CO.              | 37.20          | 1860   | 63-0179                          |
| 47     | 6-1-1869   | T. W. BOONE                        | 3.50           | 175    | 63-0180                          |
| 48     | 6-1-1870   | W. J. HAMMING                      | 2.60           | 130    | 63-0182                          |
| 49     | 6-1-1870   | PIONEER CANAL                      | 25.72          | 1286   | 63-0183                          |
| 50     | 6-1-1870   | BARBER LUMBER CO.                  | 2.24           | 112    | 63-0184                          |
| 51     | 6-1-1870   | THOMAS ANDREWS                     | 1.30           | 65     | 63-0129                          |
| 52     | 6-1-1871   | CATLIN & MACE                      | 7.86           | 393    | 63-0133                          |
| 53     | 6-1-1871   | PETER MEEVES                       | 1.80           | 90     | 63-0185                          |
| 54     | 6-1-1871   | MIDDLETON MILL DITCH CO.           | 33.70          | 1685   | 63-0125                          |
| 55     | 6-1-1872   | J. F. YARYAN                       | .70            | 35     | 63-0142                          |
| 56     | 6-1-1872   | J. F. YARYAN                       | 1.40           | 70     | 63-0143                          |
| 57     | 6-1-1872   | MARY C. DAVIS                      | 4.40           | 220    | 63-0186                          |
| 58     | 6-1-1872   | EDWARD N. HART                     | 3.30           | 165    | 63-0187                          |
| 59     | 6-1-1874   | T. W. BOONE                        | 2.20           | 110    | 63-0181                          |
| 60     | 6-1-1875   | FARMERS COOPERATIVE DITCH CO.      | 10.00          | 500    | 63-0188                          |
| 61     | 6-1-1876   | EDWARD & MARY CLARK                | 2.30           | 115    | 63-0192                          |
| 62     | 6-1-1876   | JOHN CECIL                         | .44            | 22     | 63-0193                          |
| 63     | 6-1-1877   | THOMAS AIKENS                      | 5.20           | 260    | 63-0194                          |
| 64     | 6-1-1877   | W. H. CONWAY                       | .90            | 45     | 63-0196                          |
| 65     | 6-1-1877   | MIDDLETON WATER CO.                | 114.08         | 5704   | 63-0198                          |
| 66     | 7-1-1877   | PERRAULT & JOHNSON (POWER)         | 200.00         | 10000  | 63-0162                          |
| 67     | 5-1-1878   | NAMPA MERIDIAN IRRIGATION DISTRICT | 170.00         | 8500   | 63-0199                          |
| 68     | 6-1-1878   | JOHN MAMMON                        | 4.20           | 210    | 63-0175                          |
| 69     | 6-1-1878   | JULIA MAMMON                       | 3.36           | 168    | 63-0201                          |
| 70     | 6-1-1878   | CHARLES ALLEN                      | 8.80           | 440    | 63-0202                          |
| 71     | 6-1-1878   | R. H. STOCKTON                     | 4.40           | 220    | 63-0203                          |
| 72     | 6-1-1879   | NEW DRY CREEK DITCH CO.            | 31.32          | 1566   | 63-0205                          |
| 73     | 6-1-1879   | D. MUMFORD                         | 4.00           | 200    | 63-0208                          |
| 74     | 6-1-1880   | SMITH STOCKTON                     | 1.76           | 88     | 63-0209                          |
| 75     | 7-1-1880   | ISHAM JOPLIN                       | 2.40           | 120    | 63-0210                          |
| 76     | 10-20-1880 | JOSEPH GOBLE                       | .90            | 45     | 63-0211                          |
| 77     | 10-29-1880 | FRANKLIN DITCH CO.                 | 27.60          | 1380   | 63-0167                          |
| 78     | 6-1-1882   | ALLEN V. WEBSTER                   | .90            | 45     | 63-0140                          |
| 79     | 6-1-1882   | SUSIE CAMPBELL                     | .60            | 30     | 63-0212                          |
| 80     | 6-1-1882   | J. T. BARBER                       | 1.60           | 80     | 63-0213                          |
| 81     | 6-1-1882   | SONORA JOPLIN                      | 3.40           | 170    | 63-0214                          |
| 82     | 6-1-1882   | S. W. HUTCHINSON                   | .44            | 22     | 63-0217                          |
| 83     | 6-1-1882   | JOHNSON                            | .44            | 22     | 63-0218                          |
| 84     | 6-1-1882   | ANDREW J. JOPLIN                   | 2.86           | 143    | 63-0219                          |
| 85     | 6-1-1882   | JAMES L. GRAHAM                    | 2.20           | 110    | 63-0220                          |
| 86     | 6-1-1883   | FARMERS COOPERATIVE DITCH CO.      | 20.00          | 1000   | 63-0189                          |
| 87     | 6-1-1883   | FRANCIS M. JOPLIN                  | .90            | 45     | 63-0221                          |
| 88     | 6-1-1883   | W. A. BLACK                        | 12.00          | 600    | 63-0222                          |
| 89     | 11-9-1883  | EUREKA DITCH CO. NO. 2             | 21.70          | 1085   | 63-0223                          |
| 90     | 6-1-1884   | PIONEER IRRIGATION DISTRICT        | 53.10          | 2655   | 63-0371                          |

## STEWART DECREE

CHART NO. 1

## BOISE RIVER

| NUMBER | DATE       | NAME                               | AMOUNT DECREED |        | DEPT. OF WATER<br>ADMINISTRATION |
|--------|------------|------------------------------------|----------------|--------|----------------------------------|
|        |            |                                    | SEC. FT.       | INCHES |                                  |
| 91     | 6-1-1884   | RIVERSIDE IRRIGATION DISTRICT      | 20.00          | 1000   | 63-0226                          |
| 92     | 10-17-1884 | SETTLERS CANAL CO.                 | 99.06          | 4953   | 63-0230                          |
| 93     | 6-1-1886   | NEW DRY CREEK DITCH                | 15.22          | 761    | 63-0206                          |
| 94     | 6-1-1886   | THOMAS DAVIS                       | 13.40          | 670    | 63-0121                          |
| 95     | 1-23-1887  | WM. C., L. & E. YOUNG              | 4.00           | 200    | 63-0232                          |
| 96     | 10-1-1887  | AMERICAN DITCH ASSOCIATION         | 47.80          | 2390   | 63-0233                          |
| 97     | 6-1-1888   | NEW DRY CREEK DITCH CO.            | 7.86           | 393    | 63-0207                          |
| 98     | 6-1-1888   | A. V. LINDER                       | 4.00           | 200    | 63-0234                          |
| 99     | 6-1-1888   | LEVI SMITH                         | 1.30           | 65     | 63-0235                          |
| 100    | 6-1-1888   | CHARLOTTE CALHOUN                  | 1.40           | 70     | 63-0236                          |
| 101    | 6-1-1888   | ED. J. LINDER                      | 1.46           | 73     | 63-0237                          |
| 102    | 6-1-1888   | LIZZIE EVERETT                     | 1.20           | 60     | 63-0238                          |
| 103    | 6-1-1888   | JESSE WILSON                       | 1.40           | 70     | 63-0239                          |
| 104    | 6-1-1888   | THOMAS ANDREWS                     | .90            | 45     | 63-0130                          |
| 105    | 7-1-1888   | FARMERS COOPERATIVE DITCH CO.      | 50.00          | 2500   | 63-0190                          |
| 106    | 8-20-1888  | NAMPA MERIDIAN IRRIGATION DISTRICT | 370.84         | 18542  | 63-0200                          |
| 107    | 5-1-1889   | CHARLES H. MILLER                  | .06            | 3      | 63-0240                          |
| 108    | 5-1-1889   | LOOMIS L. HOSLEY                   | .02            | 1      | 63-0241                          |
| 109    | 5-1-1889   | S. J. UTTER & C. B. TAYLOR         | 2.40           | 120    | 63-0242                          |
| 110    | 5-1-1889   | SOUTH BOISE MUTUAL IRRIGATION CO.  | 6.00           | 300    | 63-0243                          |
| 111    | 5-1-1889   | ESTATE OF J. H. GALLAGHER          | 2.94           | 147    | 63-0244                          |
| 112    | 5-1-1889   | ANNIE H. FOGARTY                   | .05            | 2.5    | 63-0245                          |
| 113    | 5-1-1889   | GRACE CALL                         | .10            | 5      | 63-0246                          |
| 114    | 5-1-1889   | SAMUEL H. CANFIELD                 | .03            | 1.5    | 63-0247                          |
| 115    | 6-1-1889   | SONORA JOPLIN                      | .06            | 3      | 63-0215                          |
| 116    | 6-1-1889   | SONORA JOPLIN                      | 1.20           | 60     | 63-0216                          |
| 117    | 9-1-1890   | PIONEER IRRIGATION DISTRICT        | 200.00         | 10000  | 63-0224                          |
| 118    | 6-1-1891   | W. H. CONWAY                       | 2.20           | 110    | 63-0197                          |
| 119    | 6-1-1891   | THOMAS DAVIS                       | .54            | 27     | 63-0122                          |
| 120    | 6-1-1891   | MIDDLETON MILL DITCH CO.           | 17.00          | 850    | 63-0126                          |
| 121    | 6-1-1891   | THOMAS ANDREWS                     | 3.50           | 175    | 63-0131                          |
| 122    | 6-1-1891   | SETTLERS CANAL CO.                 | 73.44          | 3672   | 63-0231                          |
| 123    | 6-1-1891   | THOMAS AIKEN                       | .80            | 40     | 63-0195                          |
| 124    | 5-1-1893   | RIVERSIDE IRRIGATION DISTRICT      | 80.00          | 4000   | 63-0227                          |
| 125    | 6-1-1894   | R. H. STOCKTON                     | 1.76           | 88     | 63-0204                          |
| 126    | 7-2-1894   | FARMERS UNION DITCH CO.            | 110.00         | 5500   | 63-0248                          |
| 127    | 5-1-1895   | CHARLES REIN & JANE KEOM           | 1.00           | 50     | 63-0249                          |
| 128    | 7-1-1895   | MATHEW CASEY                       | .66            | 33     | 63-0250                          |
| 129    | 7-1-1896   | FARMERS COOPERATIVE DITCH CO.      | 83.50          | 4175   | 63-0191                          |
| 130    | 10-1-1899  | RIVERSIDE IRRIGATION DISTRICT      | 20.00          | 1000   | 63-0228                          |
| 131    | 3-23-1900  | NEW YORK CANAL CO.                 | 219.10         | 10955  | 63-0251                          |
| 132    | 5-17-1900  | CANYON DITCH CO.                   | 10.00          | 500    | 63-0369                          |
| 133    | 6-1-1901   | RIVERSIDE IRRIGATION DISTRICT      | 70.00          | 3500   | 63-0229                          |
| 134    | 10-25-1901 | CANYON DITCH CO.                   | 5.54           | 277    | 63-0252                          |
| 135    | 4-1-1904   | PIONEER IRRIGATION DISTRICT        | 56.34          | 2817   | 63-0225                          |

## INTERVENORS - STEWART DECREE

CHART NO. 2

## BOISE RIVER

| NUMBER | DATE      | NAME                               | CANAL                   | AMOUNT DECREED |        | DEPT. OF WATER<br>ADMINISTRATION |
|--------|-----------|------------------------------------|-------------------------|----------------|--------|----------------------------------|
|        |           |                                    |                         | SEC. FT.       | INCHES |                                  |
| 8-A    | 4-1-1865  | ADOLPH BAHLER                      | BAHLER                  | .80            | 40     | 63-0278                          |
| 8-B    | 4-1-1865  | FIRST NAT. BANK OF PUEBLO          | BUBB                    | 1.80           | 90     | 63-0280                          |
| 8-C    | 1865      | LOUISE SIMONSON                    | LEMP DITCH              | 6.00           | 300    | 63-0270                          |
| 8-D    | 1865      | S. G. HARDIES                      | BUBB                    | .50            | 25     | 63-0281                          |
| 31-A   | 6-1-1866  | WM. MUSSER                         | LAWRENCE & KENNEDY      | 2.30           | 115    | 63-0254                          |
| 31-B   | 6-1-1866  | MINNIE & JEREMIAH COUZENS          | MIDDLETON WATER         | .60            | 30     | 63-0255                          |
| 31-C   | 6-1-1866  | ALBERT C. BOWERMAN                 | LAWRENCE & KENNEDY      | 1.10           | 55     | 63-0001                          |
| 35-A   | 6-1-1867  | RALPH T. KNIGHT & ORA K.<br>TILLER | CANYON COUNTY WATER CO. | 1.76           | 88     | 63-0277                          |
| 47-A   | 4-1-1870  | ADOLPH BAHLER                      | BAHLER                  | .80            | 40     | 63-0279                          |
| 50-A   | 1870      | (S. G. HARDIES<br>(AMELIA EISLEY   | BUBB                    | 1.00           | 50     | 63-0282)<br>63-0283)             |
| 59-A   | 5-1-1875  | KARL F. & OTTO W. ROEDEL           | INDIAN CREEK            | 3.20           | 160    | 63-0305                          |
| 66-A   | 4-1-1878  | J. S. KRAUSS                       | BALLENTYNE              | .80            | 40     | 63-0265                          |
| 66-C   | 4-1-1878  | J. W. KOLANDER                     | BALLENTYNE              | 1.40           | 70     | 63-0289                          |
| 66-D   | 4-1-1878  | M. T. GRIFFITH                     | BALLENTYNE              | .80            | 40     | 63-0264                          |
| 71-A   | 4-1-1879  | ISLAND HIGH LINE DITCH             | ISLAND HIGH LINE DITCH  | 3.00           | 150    | 63-0291                          |
| 73-A   | 4-1-1880  | GOBLE & SONGER                     | NEW DRY CREEK           | .54            | 27     | 63-0288                          |
| 73-B   | 1880      | ALBERT LEMP ET AL                  | BAXTER DITCH            | 3.20           | 160    | 63-0368                          |
| 74-A   | 6-1-1880  | C. B. FRANK                        | NEW DRY CREEK           | 1.816          | 90.8   | 63-0263                          |
| 77-A   | 6-1-1881  | GUS A. BARTH                       | PARMA DITCH CO.         | 1.60           | 80     | 63-0272                          |
| 77-B   | 6-1-1881  | CHARLES JURRIES                    | PARMA DITCH CO.         | .34            | 17     | 63-0274                          |
| 77-C   | 6-1-1881  | JAMES FINLAY                       | PARMA DITCH CO.         | .80            | 40     | 63-0275                          |
| 77-D   | 6-1-1881  | LESTER J. SHIPPY                   | PARMA DITCH CO.         | 1.30           | 65     | 63-0273                          |
| 77-E   | 4-15-1882 | ROC HELM                           | RIVERSIDE IRRIG. DIST.  | 3.674          | 183.70 | 63-0290                          |
| 85-A   | 6-1-1882  | LEO MARSTERS                       | WARM SPRINGS SLOUGH     | 1.76           | 88     | 63-0287                          |
| 85-B   | 4-1-1883  | JACOB BINGMAN                      | SETTLERS                | 1.00           | 50     | 63-0257                          |
| 85-C   | 5-1-1883  | WM. HUCKBA                         | NEW DRY CREEK           | .2232          | 11.16  | 63-0259                          |
| 85-D   | 5-1-1883  | C. H. SCHMELZER                    | BALLENTYNE              | .8256          | 41.28  | 63-0260                          |
| 85-E   | 5-1-1883  | C. W. MCCLURG                      | NEW DRY CREEK           | .385           | 19.25  | 63-0261                          |
| 106-A  | 3-1-1889  | AMELIA EISLEY                      | BUBB                    | .84            | 42     | 63-0284                          |
| 114-A  | 5-1-1889  | NEIL & PATRICK O'DONNELL           | O'DONNELL & BARTH       | 1.60           | 80     | 63-0276                          |
| 114-B  | 5-1-1889  | GUS A. BARTH                       | O'DONNELL & BARTH       | .80            | 40     | 63-0271                          |
| 116-A  | 6-1-1890  | ANNA SPENCER                       | RIVERSIDE IRRIG. DIST.  | .72            | 36     | 63-0266                          |
| 116-B  | 6-1-1890  | WILLIS B. SPENCER                  | RIVERSIDE IRRIG. DIST.  | .10            | 5      | 63-0267                          |
| 116-C  | 6-1-1890  | REBECCA BELL                       | RIVERSIDE IRRIG. DIST.  | .40            | 20     | 63-0268                          |
| 123-A  | 4-15-1893 | OTTO & MARIE MULLER                | MIDDLETON MILL DITCH    | 1.60           | 80     | 63-0370                          |
| 124-A  | 5-1-1893  | W. D. CHARTERS                     | NEW DRY CREEK           | .825           | 41.25  | 63-0258                          |
| 129-A  | 4-1-1897  | H. E. PLAIN                        | NEW DRY CREEK           | .54            | 27     | 63-0286                          |
| 136    | 5-1-1906  | H. E. WIMER                        | BALLENTYNE              | .392           | 19.6   | 63-0285                          |
| 137    | 5-1-1909  | B. P. WEAVERLING                   | MACE & MACE             | 1.76           | 88     | 63-0253                          |
| 137-A  | 4-1-1910  | ISLAND HIGH LINE DITCH             | ISLAND HIGH LINE DITCH  | 7.00           | 350    | 63-0292                          |
| 138    | 6-14-1912 | WESLEY A. MACE                     | MACE & CATLIN           | .44            | 22     | 63-0361                          |
| 139    | 4-1-1915  | ISLAND HIGH LINE DITCH CO.         | ISLAND HIGH LINE DITCH  | 10.00          | 500    | 63-0293                          |

## STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 3

| NAME OF CANAL | CHANGE IN<br>P. OF D. | TRANSFER | PRIORITY<br>NO. | DATE     | AMOUNT DECREED    |                                  |                 | INCHES  | TOTAL<br>SEC. FT. |
|---------------|-----------------------|----------|-----------------|----------|-------------------|----------------------------------|-----------------|---------|-------------------|
|               |                       |          |                 |          | STEWART<br>DECREE | INTERVENORS<br>STEWART<br>DECREE | BRYAN<br>DECREE |         |                   |
| AIKEN         |                       |          | 63              | 6-1-1877 | 5.20              |                                  |                 | 260     |                   |
|               |                       |          | 73-A            | 4-1-1880 | .10               |                                  |                 | 5       | 5.30              |
| ANDREWS DITCH |                       |          | 4               | 6-1-1864 | 3.30              |                                  |                 | 165     |                   |
|               |                       |          | 29              | 6-1-1865 | 6.00              |                                  |                 | 300     |                   |
|               |                       |          | 44              | 6-1-1869 | 8.50              |                                  |                 | 425     |                   |
|               |                       |          | 51              | 5-1-1870 | 1.30              |                                  |                 | 65      |                   |
|               |                       |          | 104             | 6-1-1888 | .90               |                                  |                 | 45      |                   |
|               |                       |          | 121             | 6-1-1891 | 3.50              |                                  |                 | 175     | 23.50             |
| BALLENTYNE    |                       |          | 98              | 6-1-1888 | 4.00              |                                  |                 | 200     |                   |
|               |                       |          | 99              | 6-1-1888 | 1.30              |                                  |                 | 65      |                   |
|               |                       |          | 100             | 6-1-1888 | 1.40              |                                  |                 | 70      |                   |
|               |                       |          | 101             | 6-1-1888 | 1.46              |                                  |                 | 73      |                   |
|               |                       |          | 102             | 6-1-1888 | 1.20              |                                  |                 | 60      |                   |
|               |                       |          | 103             | 6-1-1888 | 1.40              |                                  |                 | 70      |                   |
|               |                       |          | 123             | 6-1-1891 | .80               |                                  |                 | 40      |                   |
|               |                       |          | 66-A            | 4-1-1878 |                   | .80                              |                 | 40      |                   |
|               |                       |          | 66-C            | 4-1-1878 |                   | 1.40                             |                 | 70      |                   |
|               |                       |          | 66-D            | 4-1-1878 |                   | .80                              |                 | 40      |                   |
|               |                       |          | 85-D            | 5-1-1883 |                   | .8256                            |                 | 41.28   |                   |
|               |                       |          | 136             | 5-1-1906 |                   | .392                             |                 | 19.6    |                   |
|               |                       |          | 65              | 6-1-1877 | .60               |                                  |                 | 30      |                   |
|               | 57                    |          | 102             | 6-1-1888 | .20*              |                                  |                 | 10*     |                   |
|               | 64*                   |          | 85-D            | 5-1-1883 |                   | .07*                             |                 | 3.5*    |                   |
|               | 140*                  |          | 124-A           | 5-1-1893 |                   | .135                             |                 | 6.75    |                   |
|               | 151                   |          | 103             | 6-1-1888 | .65*              |                                  |                 | 32.5*   |                   |
|               | 161*                  |          | 103             | 6-1-1888 | .24*              |                                  |                 | 12*     | 15.3526           |
|               | 174*                  |          |                 |          |                   |                                  |                 |         |                   |
| BAXTER        |                       |          | 73-B            | 1880     |                   |                                  |                 | 150     |                   |
|               |                       |          | 20              | 6-1-1865 | .90               |                                  | 3.20            | 40      | 4.00              |
| BOISE CITY    |                       |          |                 |          |                   |                                  |                 |         |                   |
|               |                       |          | 33              | 6-1-1866 | 38.06             |                                  |                 | 1903    |                   |
|               |                       |          | 370*            | 6-1-1866 | 1.124*            |                                  |                 | 56.2*   |                   |
|               |                       |          | 373*            | 6-1-1866 | .374*             |                                  |                 | 18.7*   |                   |
|               |                       |          | 1048*           | 6-1-1866 | .0875*            |                                  |                 | 4.375*  |                   |
|               |                       |          | 1059*           | 6-1-1866 | .10*              |                                  |                 | 5*      |                   |
|               |                       |          | 3559*           | 6-1-1866 | 2.025*            |                                  |                 | 101.25* | 34.898            |

\*SUBTRACT

## STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 9

| NAME OF CANAL             | CHANGE IN<br>P. OF D. | TRANSFER | PRIORITY<br>NO. | DATE      | AMOUNT DECREED    |                                  |                 | INCHES | TOTAL<br>SEC. FT. |
|---------------------------|-----------------------|----------|-----------------|-----------|-------------------|----------------------------------|-----------------|--------|-------------------|
|                           |                       |          |                 |           | STEWART<br>DECREE | INTERVENORS<br>STEWART<br>DECREE | BRYAN<br>DECREE |        |                   |
| BOISE VALLEY              |                       |          | 15              | 6-1-1865  | 54.58             |                                  |                 | 2729   |                   |
| LICENSED RIGHT #15242     |                       | 243      |                 | 7-19-1921 |                   |                                  | (1.20)          | 60     | 55.78             |
|                           |                       |          |                 |           |                   |                                  |                 |        |                   |
| BOONE DITCH               |                       |          | 28              | 6-1-1865  | 7.00              |                                  |                 | 350    |                   |
|                           |                       |          | 47              | 6-1-1869  | 3.50              |                                  |                 | 175    |                   |
|                           |                       |          | 59              | 6-1-1874  | 2.20              |                                  |                 | 110    | 12.70             |
|                           |                       |          |                 |           |                   |                                  |                 |        |                   |
| BOWMAN & SWISHER          | 50                    |          | 19              | 6-1-1865  | 2.88              |                                  |                 | 144    |                   |
|                           | 51                    |          | 20              | 6-1-1865  | 6.40              |                                  |                 | 320    |                   |
|                           | 127*                  |          | 20              | 6-1-1865  | .80*              |                                  |                 | 40*    |                   |
|                           | 224                   |          | 89              | 11-9-1883 | .20               |                                  |                 | 45     | 9.38              |
|                           |                       |          | 96              | 10-1-1887 | .70               |                                  |                 |        |                   |
|                           |                       |          |                 |           |                   |                                  |                 |        |                   |
| BUBB (SOUTH BOISE MUTUAL) |                       |          | 107             | 5-1-1889  | .06               |                                  |                 | 3      |                   |
|                           |                       |          | 108             | 5-1-1889  | .02               |                                  |                 | 1      |                   |
|                           |                       |          | 109             | 5-1-1889  | 2.40              |                                  |                 | 120    |                   |
|                           |                       |          | 110             | 5-1-1889  | 6.00              |                                  |                 | 300    |                   |
|                           |                       |          | 111             | 5-1-1889  | 2.94              |                                  |                 | 147    |                   |
|                           |                       |          | 112             | 5-1-1889  | .05               |                                  |                 | 2.5    |                   |
|                           |                       |          | 113             | 5-1-1889  | .10               |                                  |                 | 5      |                   |
|                           |                       |          | 114             | 5-1-1889  | .03               |                                  |                 | 1.5    |                   |
|                           |                       |          | 8-B             | 4-1-1865  |                   | 1.80                             |                 | 90     |                   |
|                           |                       |          | 8-D             | 4-1-1865  |                   | .50                              |                 | 25     |                   |
|                           |                       |          | 50-A            | 1870      |                   | 1.00                             |                 | 50     |                   |
|                           |                       |          | 106-A           | 3-1-1889  |                   | .84                              |                 | 42     |                   |
|                           |                       |          |                 | 4-1-1905  |                   |                                  | 5.40            | 270    | 21.14             |

## STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 3

| NAME OF CANAL               | CHANGE IN<br>P. OF D. | TRANSFER | PRIORITY<br>NO. | DATE       | AMOUNT DECREED    |                                  |                 | TOTAL<br>SEC. FT. |
|-----------------------------|-----------------------|----------|-----------------|------------|-------------------|----------------------------------|-----------------|-------------------|
|                             |                       |          |                 |            | STEWART<br>DECREE | INTERVENORS<br>STEWART<br>DECREE | BRYAN<br>DECREE |                   |
| CALDWELL HIGH LINE          |                       |          | 34              | 6-1-1866   | 15.40             |                                  |                 | 770               |
|                             |                       |          | 46              | 6-1-1869   | 37.20             |                                  |                 | 1860              |
|                             |                       |          | 77              | 10-29-1880 | 27.60             |                                  |                 | 1380              |
|                             | 29*                   |          | 46              | 6-1-1869   | 1.00*             |                                  |                 | 50*               |
|                             |                       |          |                 |            |                   |                                  |                 | 79.20             |
| CAMPBELL (CANYON DITCH CO.) |                       |          | 132             | 5-17-1900  | 10.00             |                                  |                 | 500               |
|                             |                       |          | 134             | 10-25-1901 | 5.54              |                                  |                 | 277               |
|                             |                       |          | 38 96           | 10-1-1887  | 12.10             |                                  |                 | 605               |
|                             |                       |          | 105 9           | 6-1-1865   | .50               |                                  |                 | 25                |
|                             |                       |          |                 |            |                   |                                  |                 | 28.14             |
| CANYON COUNTY               |                       |          | 35              | 6-1-1867   | 75.80             |                                  |                 | 3790              |
|                             |                       |          | 35-A            | 6-1-1867   |                   | 1.76                             |                 | 88                |
|                             |                       |          | 46              | 6-1-1869   | 1.00              |                                  |                 | 50                |
|                             | 29                    |          |                 |            |                   |                                  |                 | 19*               |
|                             | 36*                   |          | 35              | 6-1-1867   | .38*              |                                  |                 | 55.5*             |
|                             | 54*                   |          | 35              | 6-1-1867   | 1.11*             |                                  |                 | 130               |
|                             | 59                    |          | 31              | 6-1-1866   | 2.60              |                                  |                 | 25                |
|                             | 75                    |          | 35              | 6-1-1867   | .50               |                                  |                 | 10                |
|                             | 147                   |          | 35              | 6-1-1867   | .20               |                                  |                 | 80.37             |
| CONWAY & HAMMING            |                       |          | 48              | 6-1-1870   | 2.60              |                                  |                 | 130               |
|                             |                       |          | 64              | 6-1-1877   | .90               |                                  |                 | 45                |
|                             |                       |          | 118             | 6-1-1891   | 2.20              |                                  |                 | 110               |
|                             |                       |          |                 |            |                   |                                  |                 | 5.70              |
| DAVIS<br>(LITTLE DAVIS)     |                       |          | 94              | 6-1-1886   | 13.40             |                                  |                 | 670               |
|                             |                       |          | 119             | 6-1-1891   | .54               |                                  |                 | 27                |
|                             |                       |          |                 |            |                   |                                  |                 | 13.94             |
| EUREKA NO. 1                |                       |          | 13              | 6-1-1865   | 33.32             |                                  |                 | 1666              |
|                             |                       |          |                 |            |                   |                                  |                 | 33.32             |

## STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 9

|                  |                       |          |          |           | AMOUNT DECREED    |                   |                 |                   |
|------------------|-----------------------|----------|----------|-----------|-------------------|-------------------|-----------------|-------------------|
| NAME OF CANAL    | CHANGE IN<br>P. OF D. | TRANSFER | PRIORITY |           | INTERVENORS       |                   |                 | TOTAL<br>SEC. FT. |
|                  |                       |          | NO.      | DATE      | STEWART<br>DECREE | STEWART<br>DECREE | BRYAN<br>DECREE |                   |
| EUREKA NO. 2     |                       |          | 89       | 11-9-1883 | 21.70             |                   |                 | 1085              |
|                  | 47                    |          | 96       | 10-1-1887 | 29.50             |                   |                 | 1475              |
|                  | 62                    |          | 96       | 10-1-1887 | 1.00              |                   |                 | 50                |
|                  | 71                    |          | 24       | 6-1-1865  | .80               |                   |                 | 40                |
|                  | 85                    |          | 24       | 6-1-1865  | .50               |                   |                 | 25                |
|                  |                       | 111*     | 96       | 10-1-1887 | 1.20*             |                   |                 | 60*               |
|                  | 131*                  |          | 89       | 11-9-1883 | .70*              |                   |                 | 35*               |
|                  | 159                   |          | 24       | 6-1-1865  | .10               |                   |                 | 5                 |
|                  | 175                   |          | 88       | 6-1-1883  | 1.70              |                   |                 | 85                |
|                  | 224*                  |          | 89       | 11-9-1883 | .20*              |                   |                 | 10*               |
|                  |                       |          | 96       | 10-1-1887 | .70*              |                   |                 | 35*               |
|                  | 225*                  |          | 89       | 11-9-1883 | .60*              |                   |                 | 30*               |
|                  | 287*                  |          | 89       | 11-9-1883 | 1.40*             |                   |                 | 70*               |
|                  | 289*                  |          | 89       | 11-9-1883 | .50*              |                   |                 | 25*               |
|                  |                       |          |          |           |                   |                   |                 | 50.00             |
| FARMERS UNION    |                       |          | 126      | 7-2-1894  | 110.00            |                   |                 | 5500              |
|                  |                       |          |          |           |                   |                   |                 | 1000              |
|                  | 136                   |          | 2        | 6-1-1864  | 20.00             |                   |                 | 56.2              |
|                  | 370                   |          | 33       | 6-1-1866  | 1.124             |                   |                 | 18.7              |
|                  | 373                   |          | 33       | 6-1-1866  | .374              |                   |                 | 20                |
|                  | 374                   |          | 65       | 6-1-1877  | .40               |                   |                 | 10                |
|                  | 375                   |          | 65       | 6-1-1877  | .20               |                   |                 | 20                |
|                  | 384                   |          | 65       | 6-1-1877  | .40               |                   |                 | 20                |
|                  | 385                   |          | 65       | 6-1-1877  | .266              |                   |                 | 13.3              |
|                  | 386                   |          | 65       | 6-1-1877  | .40               |                   |                 | 20                |
|                  | 387                   |          | 65       | 6-1-1877  | .40               |                   |                 | 20                |
|                  | 391                   |          | 3)       | 6-1-1864  |                   |                   |                 |                   |
|                  |                       |          | 54)      | 6-1-1871  | .15               |                   |                 | 7.5               |
|                  | 393                   |          | 3)       | 6-1-1864  |                   |                   |                 |                   |
|                  |                       |          | 54)      | 6-1-1871  | .288              |                   |                 | 14.4              |
|                  |                       |          | 120)     | 6-1-1891  |                   |                   |                 |                   |
|                  | 395                   |          | 65       | 6-1-1877  | .50               |                   |                 | 25                |
|                  | 430*                  |          | 65       | 6-1-1877  | .25*              |                   |                 | 12.5*             |
|                  |                       |          | 65       | 6-1-1877  | .80               |                   |                 | 40                |
| 84               |                       |          | 65       | 6-1-1877  | 1.00              |                   |                 | 50                |
|                  | 512                   |          | 1        | 6-1-1864  | .50               |                   |                 | 25                |
|                  | 513                   |          | 1        | 6-1-1864  | .30               |                   |                 | 15                |
|                  | 530                   |          | 1        | 6-1-1864  |                   |                   |                 |                   |
|                  |                       |          |          | 7-2-1894  |                   |                   | 54.46           | 2723              |
|                  |                       |          |          | 6-1-1866  | .0875             |                   |                 | 4.375             |
|                  | 1048                  |          | 33       | 6-1-1866  | .10               |                   |                 | 5                 |
|                  | 1059                  |          | 33       | 6-1-1866  | 1.80              |                   |                 | 90                |
|                  | 1855                  |          | 32       | 6-1-1866  |                   |                   |                 |                   |
|                  |                       |          |          |           |                   |                   |                 | 193.2995          |
|                  |                       |          | 12       | 6-1-1865  | 2.09              |                   |                 | 101.5             |
|                  |                       |          |          |           |                   |                   |                 | 2.09              |
| GRAHAM & GILBERT |                       |          |          |           |                   |                   |                 |                   |

## STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 3

| NAME OF CANAL      | CHANGE IN<br>P. OF D.           | TRANSFER | PRIORITY<br>NO. | DATE      | AMOUNT DECREED    |                   |                 |        | TOTAL<br>SEC. FT. |
|--------------------|---------------------------------|----------|-----------------|-----------|-------------------|-------------------|-----------------|--------|-------------------|
|                    |                                 |          |                 |           | STEWART<br>DECREE | STEWART<br>DECREE | BRYAN<br>DECREE | INCHES |                   |
| HAAS DITCH         | 176                             |          | 39              | 6-1-1868  | 8.54              |                   |                 | 427    | 17.34             |
|                    |                                 |          | 70              | 6-1-1878  | 8.80              |                   |                 | 440    |                   |
| HART & DAVIS       | 38*)<br>39*)                    |          | 6               | 6-1-1864  | 3.30              |                   |                 | 165    | 9.96              |
|                    |                                 |          | 57              | 6-1-1872  | 4.40              |                   |                 | 220    |                   |
|                    |                                 |          | 58              | 6-1-1872  | 3.30              |                   |                 | 165    |                   |
|                    |                                 |          | 57              | 6-1-1872  | .54*              |                   |                 | 27*    |                   |
|                    |                                 |          | 58              | 6-1-1872  | .50*              |                   |                 | 25*    |                   |
| ISLAND HIGH LINE   |                                 |          | 71-A            | 4-1-1879  |                   | 3.00              |                 | 150    | 20.00             |
|                    |                                 |          | 137-A           | 4-1-1910  |                   | 7.00              |                 | 350    |                   |
|                    |                                 |          | 139             | 4-1-1915  |                   | 10.00             |                 | 500    |                   |
| LEMP DITCH         |                                 |          | 8-C             | 1865      |                   | 6.00              |                 | 300    | 6.00              |
| LITTLE PIONEER     | 1575                            |          | 49              | 6-1-1870  | 25.72             |                   |                 | 1286   | 26.82             |
|                    |                                 |          | 31-C            | 6-1-1866  |                   | 1.10              |                 | 55     |                   |
| LOWER CENTER POINT | 50*<br>51*<br>131<br>245<br>287 |          | 19              | 6-1-1865  | 2.88              |                   |                 | 144    | 19.60             |
|                    |                                 |          | 20              | 6-1-1865  | 6.40              |                   |                 | 320    |                   |
|                    |                                 |          | 21              | 6-1-1865  | 2.90              |                   |                 | 145    |                   |
|                    |                                 |          | 22              | 6-1-1865  | 3.20              |                   |                 | 160    |                   |
|                    |                                 |          | 38              | 6-1-1868  | 3.20              |                   |                 | 160    |                   |
|                    |                                 |          | 43              | 6-1-1869  | 3.60              |                   |                 | 180    |                   |
|                    |                                 |          | 73              | 6-1-1879  | 4.00              |                   |                 | 200    |                   |
|                    |                                 |          | 19              | 6-1-1865  | 2.88*             |                   |                 | 144*   |                   |
|                    |                                 |          | 20              | 6-1-1865  | 6.40*             |                   |                 | 320*   |                   |
|                    |                                 |          | 89              | 11-9-1883 | .70               |                   |                 | 35     |                   |
|                    |                                 |          | 89              | 11-9-1883 | .60               |                   |                 | 30     |                   |
|                    |                                 |          | 89              | 11-9-1883 | 1.40              |                   |                 | 70     |                   |

\*SUBTRACT

## STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 9

| NAME OF CANAL  | CHANGE<br>P. OF D. | TRANSFER | PRIORITY<br>NO. | DATE      | AMOUNT DECREED                   |                   |                 | INCHES | TOTAL<br>SEC. FT. |
|----------------|--------------------|----------|-----------------|-----------|----------------------------------|-------------------|-----------------|--------|-------------------|
|                |                    |          |                 |           | INTERVENORS<br>STEWART<br>DECREE | STEWART<br>DECREE | BRYAN<br>DECREE |        |                   |
| MACE CATLIN    |                    |          | 5               | 6-1-1864  | 2.86                             |                   |                 | 143    |                   |
|                |                    |          | 52              | 6-1-1871  | 7.86                             |                   |                 | 393    |                   |
|                | 179*               |          | 5)              | 6-1-1864  | .168*                            |                   |                 | 8.4    |                   |
|                |                    |          | 52)             | 6-1-1871  | .072*                            |                   |                 | 3.6    |                   |
|                |                    |          | 138             | 6-14-1912 |                                  | .44               |                 | 22     | 10.92             |
| MACE & MACE    |                    |          | 137             | 5-1-1909  |                                  | 1.76              |                 | 88     |                   |
|                |                    | 2996     | 116             | 6-1-1889  |                                  | .80               |                 | 40     | 2.56              |
| MAMMION        |                    |          | 41              | 6-1-1869  | 1.80                             |                   |                 | 90     |                   |
|                |                    |          | 68              | 6-1-1878  | 4.20                             |                   |                 | 210    |                   |
|                |                    |          | 69              | 6-1-1878  | 3.36                             |                   |                 | 168    |                   |
|                |                    |          | 70              | 6-1-1878  | 8.80                             |                   |                 | 440    |                   |
|                | 176*               |          | 70              | 6-1-1878  | 8.80*                            |                   |                 | 440*   | 9.36              |
| MIDDLETON MILL |                    |          | 3               | 6-1-1864  | 12.80                            |                   |                 | 640    |                   |
|                |                    |          | 40              | 6-1-1868  | 1.40                             |                   |                 | 70     |                   |
|                |                    |          | 54              | 6-1-1871  | 33.70                            |                   |                 | 1685   |                   |
|                |                    |          | 120             | 6-1-1891  | 17.00                            |                   |                 | 850    |                   |
|                | 54                 |          | 35              | 6-1-1867  | 1.11                             |                   |                 | 55.5   |                   |
|                | 75*                |          | 35              | 6-1-1867  | .50*                             |                   |                 | 25*    |                   |
|                | 147*               |          | 35              | 6-1-1867  | .20*                             |                   |                 | 10*    |                   |
|                |                    | 300*     | 3)              | 6-1-1864  |                                  |                   |                 |        |                   |
|                |                    |          | 54)             | 6-1-1871  | .35*                             |                   |                 | 17.5*  |                   |
|                |                    |          | 120)            | 6-1-1891  |                                  |                   |                 |        |                   |
|                |                    | 301*     | 3)              | 6-1-1864  |                                  |                   |                 |        |                   |
|                |                    |          | 54)             | 6-1-1871  | 1.54*                            |                   |                 | 77*    |                   |
|                |                    |          | 120)            | 6-1-1891  |                                  |                   |                 |        |                   |
|                |                    | 347*     | 3               | 6-1-1864  | .14*                             |                   |                 | 7*     |                   |
|                |                    | 349*     | 3               | 6-1-1864  | .14*                             |                   |                 | 7*     |                   |
|                |                    | 350*     | 3               | 6-1-1864  | .14*                             |                   |                 | 7*     |                   |
|                |                    | 391*     | 3)              | 6-1-1864  |                                  |                   |                 |        |                   |
|                |                    |          | 54)             | 6-1-1871  | .15*                             |                   |                 | 7.5*   |                   |
|                |                    | 393*     | 3)              | 6-1-1864  |                                  |                   |                 |        |                   |
|                |                    |          | 54)             | 6-1-1871  | .288*                            |                   |                 | 14.4*  |                   |
|                |                    |          | 120)            | 6-1-1891  |                                  |                   |                 |        |                   |
|                |                    | 754      | 30              | 5-1-1866  | .40                              |                   |                 | 20     |                   |
|                |                    |          | 123-A           | 5-15-1893 |                                  | 1.60              |                 | 80     | 64.562            |

\*SUBTRACT

## STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 3

| NAME OF CANAL                            | CHANGE IN<br>P. OF D. | TRANSFER | PRIORITY<br>NO. | DATE      | AMOUNT DECREED    |                   |                 | INCHES | TOTAL<br>SEC. FT. |
|------------------------------------------|-----------------------|----------|-----------------|-----------|-------------------|-------------------|-----------------|--------|-------------------|
|                                          |                       |          |                 |           | STEWART<br>DECREE | STEWART<br>DECREE | BRYAN<br>DECREE |        |                   |
| MIDDLETON IRRIGATION                     |                       |          | 65              | 6-1-1877  | 114.08            |                   |                 | 5704   |                   |
|                                          | 36                    |          | 35              | 6-1-1867  | .38               |                   |                 | 19     |                   |
|                                          | 57*                   |          | 65              | 6-1-1877  | .50*              |                   |                 | 30*    |                   |
|                                          | 61                    |          | 31-B            | 6-1-1866  |                   | .60               |                 | 30     |                   |
|                                          | 84*                   |          | 65              | 6-1-1877  | .80*              |                   |                 | 40*    |                   |
|                                          | 126                   |          | 31-A            | 6-1-1866  |                   | 2.30              |                 | 115    |                   |
|                                          |                       | 357*     | 65              | 6-1-1877  | .20*              |                   |                 | 10     |                   |
|                                          |                       | 374*     | 65              | 6-1-1877  | .40*              |                   |                 | 20*    |                   |
|                                          |                       | 375*     | 65              | 6-1-1877  | .20*              |                   |                 | 10*    |                   |
|                                          |                       | 384*     | 65              | 6-1-1877  | .40*              |                   |                 | 20*    |                   |
|                                          |                       | 385*     | 65              | 6-1-1877  | .266*             |                   |                 | 13.3*  |                   |
|                                          |                       | 386*     | 65              | 6-1-1877  | .40*              |                   |                 | 20*    |                   |
|                                          |                       | 387*     | 65              | 6-1-1877  | .40*              |                   |                 | 20*    |                   |
|                                          |                       | 392*     | 65              | 6-1-1877  | .40*              |                   |                 | 20*    |                   |
|                                          |                       | 395*     | 65              | 6-1-1877  | .50*              |                   |                 | 25*    | 112.754           |
| MISCELLANEOUS                            |                       |          |                 |           |                   |                   |                 |        |                   |
| R. B. BETTY                              |                       | 1009     | 73-A            | 4-1-1880  |                   | .10               |                 | 5      | .10               |
| CRAWFORTH PUMP                           | 227                   |          | 114-A           | 5-1-1889  |                   | 1.60              |                 | 80     | 1.60              |
| BOISE RIVER                              |                       |          | 80              | 6-1-1882  | 1.60              |                   |                 | 80     | 1.60              |
| DRAINAGE DISTRICT #4<br>(MARSTERS DITCH) | 83*                   |          | 85-A            | 6-1-1882  |                   | 1.76              |                 | 88     |                   |
|                                          |                       |          | 85-A            | 6-1-1882  |                   | .72*              |                 | 36*    | 1.04              |
| MANVILLE-LEONARD                         |                       |          | 32              | 6-1-1866  | 3.50              |                   |                 | 175    |                   |
|                                          |                       | 1855*    | 32              | 6-1-1866  | 1.80*             |                   |                 | 90*    | 1.70              |
|                                          |                       |          |                 | 2-22-1967 | (.56)             |                   |                 | 28     | .56               |
| MCCURRY PUMP (LICENSED RIGHT #33487)     |                       |          |                 |           |                   |                   |                 |        |                   |
| MEEVES                                   |                       |          | 53              | 6-1-1871  | 1.80              |                   |                 | 90     | 1.80              |
| SURPRISE VALLEY FARMS                    |                       | 1011     | 30              | 5-1-1866  | 3.00              |                   |                 | 150    | 3.00              |
| JON WROTEN                               |                       | 3326     | 12              | 6-1-1865  | 2.37              |                   |                 | 117.5  | 2.37              |
| * SUBTRACT                               |                       |          |                 |           |                   |                   |                 |        |                   |

## STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 9

| NAME OF CANAL | CHANGE IN<br>P. OF D. | TRANSFER | PRIORITY |          | AMOUNT DECREED    |                                  |                 | INCHES | TOTAL<br>SEC. FT. |
|---------------|-----------------------|----------|----------|----------|-------------------|----------------------------------|-----------------|--------|-------------------|
|               |                       |          | NO.      | DATE     | STEWART<br>DECREE | INTERVENORS<br>STEWART<br>DECREE | BRYAN<br>DECREE |        |                   |
| NEW DRY CREEK |                       |          | 72       | 6-1-1879 | 31.32             |                                  |                 | 1566   |                   |
|               |                       |          | 93       | 6-1-1886 | 15.22             |                                  |                 | 761    |                   |
|               |                       |          | 97       | 6-1-1888 | 7.86              |                                  |                 | 393    |                   |
|               |                       |          | 129-A    | 4-1-1897 |                   | .54                              |                 | 27     |                   |
|               |                       |          | 73-A     | 4-1-1880 |                   | .54                              |                 | 27     |                   |
|               |                       |          | 74-A     | 6-1-1880 |                   | 1.816                            |                 | 90.8   |                   |
|               |                       |          | 85-C     | 5-1-1883 |                   | .2232                            |                 | 11.16  |                   |
|               |                       |          | 85-E     | 5-1-1883 |                   | .385                             |                 | 19.25  |                   |
|               |                       |          | 124-A    | 5-1-1893 |                   | .825                             |                 | 41.25  |                   |
|               |                       | 300      | 3)       | 6-1-1864 |                   |                                  |                 | 17.5   |                   |
|               |                       | 300      | 54)      | 6-1-1871 | .35               |                                  |                 |        |                   |
|               |                       | 300      | 120)     | 6-1-1891 |                   |                                  |                 |        |                   |
|               |                       | 301      | 3)       | 6-1-1864 |                   |                                  |                 | 77     |                   |
|               |                       | 301      | 54)      | 6-1-1871 | 1.54              |                                  |                 |        |                   |
|               |                       | 301      | 120)     | 6-1-1891 |                   |                                  |                 | 10     |                   |
|               | 64                    |          | 102      | 6-1-1888 | .20               |                                  |                 | 3.5    |                   |
|               | 140                   |          | 85-D     | 5-1-1883 |                   | .07                              |                 | 6.75*  |                   |
|               | 151*                  |          | 124-A    | 5-1-1893 |                   | .135*                            |                 | 32.5   |                   |
|               | 161                   |          | 103      | 6-1-1888 | .65               |                                  |                 | 12     |                   |
|               | 174                   |          | 103      | 6-1-1888 | .24               |                                  |                 | 27     |                   |
| 1009*         |                       | 713      | 30       | 5-1-1866 | .54               |                                  |                 | 5*     | 62.0842           |
|               |                       |          | 73-A     | 4-1-1880 |                   | .10*                             |                 |        |                   |
| NEW UNION     |                       |          | 14       | 6-1-1865 | 13.76             |                                  |                 | 688    | 13.76             |

## STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHAPT NO. 9

| NAME OF CANAL | CHANGE IN<br>P. OF D. | TRANSFER  | PRIORITY<br>NO. | DATE       | AMOUNT DECREED    |                   |                 | INCHES | TOTAL<br>SEC. FT. |
|---------------|-----------------------|-----------|-----------------|------------|-------------------|-------------------|-----------------|--------|-------------------|
|               |                       |           |                 |            | STEWART<br>DECREE | STEWART<br>DECREE | BRYAN<br>DECREE |        |                   |
| NEW YORK      |                       |           | 131             | 3-23-1900  | 219.10            |                   |                 | 10955  |                   |
|               |                       |           |                 | 3-23-1900  |                   |                   | 58.86           | 2949   |                   |
|               |                       |           |                 | 12-14-1903 |                   |                   | 1354.58         | 67729  |                   |
|               |                       |           |                 | 6-16-1909  |                   |                   | 926.50          | 46325  |                   |
|               |                       | (790-111) | 8               | 9-1-1864   | 20.00             |                   |                 | 1000   |                   |
|               |                       |           | 45              | 6-1-1869   | .34               |                   |                 | 17     |                   |
|               |                       | (790-111) | 96              | 10-1-1887  | 1.20              |                   |                 | 60     |                   |
|               |                       | 466       | 106             | 8-20-1888  | 8.90              |                   |                 | 445    |                   |
|               |                       | 701       | 30              | 5-1-1866   | 2.00              |                   |                 | 100    |                   |
|               |                       | 823       | 30              | 5-1-1866   | 6.00              |                   |                 | 300    |                   |
|               |                       | 976       | 30              | 5-1-1866   | 1.50              |                   |                 | 75     |                   |
|               |                       | 1007      | 30              | 5-1-1866   | 1.00              |                   |                 | 50     |                   |
|               |                       | 1010      | 30              | 5-1-1866   | 2.00              |                   |                 | 100    |                   |
|               |                       | 1017      | 30              | 5-1-1866   | .60               |                   |                 | 30     |                   |
|               |                       | 1074      | 30              | 5-1-1866   | 2.00              |                   |                 | 100    | 2604.58           |
| PARMA DITCH   |                       |           | 71              | 6-1-1878   | 4.40              |                   |                 | 220    |                   |
|               |                       |           | 74              | 6-1-1880   | 1.76              |                   |                 | 88     |                   |
|               |                       |           | 125             | 6-1-1894   | 1.76              |                   |                 | 88     |                   |
|               |                       |           | 77-A            | 6-1-1881   |                   | 1.60              |                 | 80     |                   |
|               |                       |           | 77-E            | 6-1-1881   |                   | .34               |                 | 17     |                   |
|               |                       |           | 77-C            | 6-1-1881   |                   | .80               |                 | 40     |                   |
|               |                       |           | 77-D            | 6-1-1881   |                   | 1.30              |                 | 65     |                   |
|               |                       |           | 114-B           | 5-1-1889   |                   | .80               |                 | 40     | 12.76             |
|               | 257                   |           |                 |            |                   |                   |                 |        |                   |
|               |                       |           |                 |            |                   |                   |                 |        |                   |
| PENITENTIARY  | 46                    |           | 50              | 6-1-1870   | 2.24              |                   |                 | 112    | 2.24              |
|               |                       |           |                 |            |                   |                   |                 |        |                   |
| PHYLISS       |                       |           | 90              | 6-1-1884   | 53.10             |                   |                 | 2655   |                   |
|               |                       |           | 117             | 9-1-1890   | 200.00            |                   |                 | 10000  |                   |
|               |                       |           | 135             | 4-1-1904   | 56.34             |                   |                 | 2817   |                   |
|               |                       |           |                 | 4-1-1905   |                   |                   | 306.56          | 15328  |                   |
|               |                       |           |                 | 4-1-1908   |                   |                   | 54.50           | 2725   |                   |
|               |                       |           |                 | 5-1-1866   | 21.715            |                   |                 | 1086   | 692.215           |
|               |                       | 1038      | 30              |            |                   |                   |                 |        |                   |

\*SUBTRACT

## STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 3

| NAME OF CANAL                 | CHANGE IN<br>P. OF D. | TRANSFER | PRIORITY<br>NO. | DATE      | AMOUNT DECREED |                   |                   | INCHES          | TOTAL<br>SEC. FT. |
|-------------------------------|-----------------------|----------|-----------------|-----------|----------------|-------------------|-------------------|-----------------|-------------------|
|                               |                       |          |                 |           | INTERVENORS    | STEWART<br>DECREE | STEWART<br>DECREE | BRYAN<br>DECREE |                   |
| PIONEER DIXIE                 |                       |          | 8               | 9-1-1864  |                | 20.00             |                   |                 | 1000              |
|                               |                       |          | 45              | 6-1-1869  |                | 35.44             |                   |                 | 1772              |
|                               | 36-A                  |          | 96              | 10-1-1887 |                | 2.00              |                   |                 | 100               |
|                               | 48                    |          | 96              | 10-1-1887 |                | 4.20              |                   |                 | 210               |
|                               | 62*                   |          | 96              | 10-1-1887 |                | 1.00*             |                   |                 | 50*               |
|                               | (790-111*)            |          | 8               | 9-1-1864  |                | 20.00*            |                   |                 | 1000*             |
|                               |                       |          | 45              | 6-1-1869  |                | .34*              |                   |                 | 17*               |
|                               |                       | 608      | 88              | 6-1-1883  |                | 1.00              |                   |                 | 50                |
|                               |                       | 644      | 88              | 6-1-1883  |                | .70               |                   |                 | 35                |
|                               |                       | 660      | 88              | 6-1-1883  |                | .60               |                   |                 | 30                |
|                               | 35*                   |          | 45              | 6-1-1869  |                | 2.00*             |                   |                 | 100*              |
|                               | 148*                  |          | 96              | 10-1-1887 |                | 3.00*             |                   |                 | 150*              |
|                               |                       |          |                 | 7-3-1914  |                |                   |                   | 20.90           | 1045              |
|                               |                       |          |                 |           |                |                   |                   |                 | 58.50             |
| RIDENBAUGH (NAMPA & MERIDIAN) |                       |          | 67              | 5-1-1878  |                | 170.00            |                   |                 | 8500              |
|                               |                       |          | 106             | 8-20-1888 |                | 370.84            |                   |                 | 18542             |
|                               |                       | 392      | 65              | 6-1-1877  |                | .40               |                   |                 | 20                |
|                               | 152                   |          | 47-A            | 4-1-1870  |                |                   | .80               |                 | 40                |
|                               | 153                   |          | 127             | 5-1-1895  |                | 1.00              |                   |                 | 50                |
|                               | 154                   |          | 8-A             | 4-1-1865  |                |                   | .80               |                 | 40                |
|                               |                       | 466*     | 106             | 8-20-1888 |                | 8.90*             |                   |                 | 445*              |
|                               |                       | 595      | 1               | 6-1-1864  |                | .20               |                   |                 | 10                |
|                               |                       | 1711*    | 67              | 5-1-1878  |                | .40*              |                   |                 | 20*               |
|                               |                       |          |                 |           |                |                   |                   |                 | 534.74            |
| RIVERSIDE                     |                       |          | 88              | 6-1-1883  |                | 12.00             |                   |                 | 600               |
|                               |                       |          | 91              | 6-1-1884  |                | 20.00             |                   |                 | 1000              |
|                               |                       |          | 95              | 1-23-1887 |                | 4.00              |                   |                 | 200               |
|                               |                       |          | 124             | 5-1-1893  |                | 80.00             |                   |                 | 4000              |
|                               |                       |          | 130             | 10-1-1899 |                | 20.00             |                   |                 | 1000              |
|                               |                       |          | 133             | 6-1-1901  |                | 70.00             |                   |                 | 3500              |
|                               |                       |          | 77-E            | 4-15-1882 |                |                   | 3.674             |                 | 183.7             |
|                               |                       |          | 116-A           | 6-1-1890  |                |                   | .72               |                 | 36                |
|                               |                       |          | 116-B           | 6-1-1890  |                |                   | .10               |                 | 5                 |
|                               |                       |          | 116-C           | 6-1-1890  |                |                   | .40               |                 | 20                |
|                               |                       |          |                 | 4-1-1910  |                |                   |                   | 63.78           | 3189              |
|                               |                       |          |                 | 4-1-1914  |                |                   |                   | 17.70           | 885               |
|                               |                       |          |                 |           |                | 1.00*             |                   |                 | 50*               |
|                               |                       | 608*     | 88              | 6-1-1883  |                | .70*              |                   |                 | 35*               |
|                               |                       | 644*     | 88              | 6-1-1883  |                | .60*              |                   |                 | 30*               |
|                               |                       | 660*     | 88              | 6-1-1883  |                | 2.00              |                   |                 | 100               |
|                               |                       |          | 45              | 6-1-1869  |                | 1.70*             |                   |                 | 85*               |
|                               | 35                    |          | 88              | 6-1-1883  |                |                   |                   |                 | 290.374           |
| ROEDEL DITCH                  | 175*                  |          |                 |           |                |                   |                   | 3.20            | 160               |
|                               |                       |          | 54-A            | 5-1-1875  |                |                   |                   |                 | 3.20              |

\*SUBTRACT

## STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 3

| NAME OF CANAL          | CHANGE IN<br>P. OF D. | PRIORITY<br>TRANSFER NO. | DATE       | AMOUNT DECREED    |                                  |                 | TOTAL<br>INCHES | TOTAL<br>SEC. FT. |
|------------------------|-----------------------|--------------------------|------------|-------------------|----------------------------------|-----------------|-----------------|-------------------|
|                        |                       |                          |            | STEWART<br>DECREE | INTERVENORS<br>STEWART<br>DECREE | BRYAN<br>DECREE |                 |                   |
| ROSSI MILL             |                       | 16                       | 6-1-1865   | 9.20              |                                  |                 | 460             |                   |
|                        |                       | 18                       | 6-1-1865   | .80               |                                  |                 | 40              | 10.00             |
| SEBREE (FARMERS CO-OP) |                       | 60                       | 6-1-1875   | 10.00             |                                  |                 | 500             |                   |
|                        |                       | 86                       | 6-1-1883   | 20.00             |                                  |                 | 1000            |                   |
|                        |                       | 105                      | 7-1-1888   | 50.00             |                                  |                 | 2500            |                   |
|                        |                       | 129                      | 7-1-1896   | 83.50             |                                  |                 | 4175            |                   |
|                        |                       |                          | 4-1-1905   |                   |                                  | 154.45          | 7722            |                   |
|                        |                       | 717                      | 9 6-1-1865 | .64               |                                  |                 | 32              | 318.59            |

## STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 3

| NAME OF CANAL | CHANGE IN<br>P. OF D. | TRANSFER | PRIORITY |             | AMOUNT DECREED    |                   |                 | INCHES | TOTAL<br>SEC. FT. |
|---------------|-----------------------|----------|----------|-------------|-------------------|-------------------|-----------------|--------|-------------------|
|               |                       |          | NO.      | DATE        | STEWART<br>DECREE | STEWART<br>DECREE | BRYAN<br>DECREE |        |                   |
| SETTLERS      |                       |          | 92       | 10-17-1884  | 99.06             |                   |                 | 4953   |                   |
|               |                       |          | 122      | 6-1-1891    | 73.44             |                   |                 | 3672   |                   |
|               |                       |          | 347      | 3 6-1-1864  | .14               |                   |                 | 7      |                   |
|               |                       |          | 349      | 3 6-1-1864  | .14               |                   |                 | 7      |                   |
|               |                       |          | 350      | 3 6-1-1864  | .14               |                   |                 | 7      |                   |
|               |                       |          | 357      | 65 6-1-1877 | .20               |                   |                 | 10     |                   |
|               |                       |          | 412      | 81 6-1-1882 | .40               |                   |                 | 20     |                   |
|               | 76                    |          | 85-B     | 4-1-1883    |                   |                   | 1.00            | 50     |                   |
|               | 83                    |          | 85-A     | 6-1-1882    |                   |                   | .72             | 36     |                   |
|               |                       |          | 430      | 65 6-1-1877 | .25               |                   |                 | 12.5   |                   |
|               |                       |          | 595      | 1 6-1-1864  | .20               |                   |                 | 10     |                   |
|               |                       |          | 654      | 30 5-1-1866 | .50               |                   |                 | 25     |                   |
|               |                       |          |          |             | 1.00              |                   |                 | 50     |                   |
|               |                       |          |          |             | .50               |                   |                 | 25     |                   |
|               |                       |          | 694      | 30 5-1-1866 | .16               |                   |                 | 8      |                   |
|               |                       |          |          |             | .12               |                   |                 | 6      |                   |
|               |                       |          |          |             | .14               |                   |                 | 7      |                   |
|               |                       |          |          |             | .26               |                   |                 | 13     |                   |
|               |                       |          | 702      | 30 5-1-1866 | .60               |                   |                 | 30     |                   |
|               |                       |          | 712      | 30 5-1-1866 | .20               |                   |                 | 10     |                   |
|               |                       |          |          |             | .20               |                   |                 | 10     |                   |
|               |                       |          |          |             | .50               |                   |                 | 25     |                   |
|               |                       |          |          |             | 1.34              |                   |                 | 67     |                   |
|               |                       |          | 720      | 30 5-1-1866 | 1.00              |                   |                 | 50     |                   |
|               |                       |          | 736      | 37 6-1-1868 | 1.10              |                   |                 | 55     |                   |
|               |                       |          | 737      | 30 5-1-1866 | .15               |                   |                 | 7.5    |                   |
|               |                       |          | 739      | 30 5-1-1866 | .46               |                   |                 | 23     |                   |
|               |                       |          | 753      | 30 5-1-1866 | .48               |                   |                 | 24     |                   |
|               |                       |          | 829      | 30 5-1-1866 | .288              |                   |                 | 14.4   |                   |
|               |                       |          | 871      | 36 6-1-1868 | .22               |                   |                 | 11     |                   |
|               |                       |          | 872      | 36 6-1-1868 | .20               |                   |                 | 10     |                   |
|               |                       |          | 873      | 30 5-1-1866 | .10               |                   |                 | 5      |                   |
|               |                       |          | 890      | 30 5-1-1866 | .10               |                   |                 | 5      |                   |
|               |                       |          | 906      | 30 5-1-1866 | .20               |                   |                 | 10     |                   |
|               |                       |          | 917      | 30 5-1-1866 | .025              |                   |                 | 1.25   |                   |
|               |                       |          | 918      | 30 5-1-1866 | .05               |                   |                 | 2.5    |                   |
|               |                       |          | 940      | 30 5-1-1866 | .20               |                   |                 | 10     |                   |
|               |                       |          | 977      | 30 5-1-1866 | .10               |                   |                 | 5      |                   |
|               |                       |          | 979      | 30 5-1-1866 | .12               |                   |                 | 6      |                   |
|               |                       |          | 980      | 30 5-1-1866 | .20               |                   |                 | 10     |                   |
|               |                       |          | 989      | 30 5-1-1866 | .03               |                   |                 | 4      |                   |
|               |                       |          | 990      | 30 5-1-1866 | .16               |                   |                 | 8      |                   |
|               |                       |          | 991      | 30 5-1-1866 | .40               |                   |                 | 20     |                   |
|               |                       |          | 1771     | 67 5-1-1878 |                   |                   |                 | 27     |                   |
| SEVEN SUCKERS |                       |          |          |             | .54               |                   |                 | 25     |                   |
|               | 38)                   |          | 57       | 6-1-1872    | .50               |                   |                 | 8.4    |                   |
|               | 39)                   |          | 58       | 6-1-1872    | .168              |                   |                 | 3.6    |                   |
|               | 179                   |          | 51       | 6-1-1864    | .072              |                   |                 | 1.28   |                   |
|               |                       |          | 52)      | 6-1-1871    |                   |                   |                 |        |                   |

## STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 3

| NAME OF CANAL | CHANGE IN<br>P. OF D. | TRANSFER | PRIORITY |             | AMOUNT DECREED    |                   |                 | TOTAL<br>SEC. FT. |
|---------------|-----------------------|----------|----------|-------------|-------------------|-------------------|-----------------|-------------------|
|               |                       |          | NO.      | DATE        | STEWART<br>DECREE | STEWART<br>DECREE | BRYAN<br>DECREE |                   |
| SETTLERS      |                       |          | 92       | 10-17-1884  | 99.06             |                   |                 | 4953              |
|               |                       |          | 122      | 6-1-1891    | 73.44             |                   |                 | 3672              |
|               |                       |          | 347      | 3 6-1-1864  | .14               |                   |                 | 7                 |
|               |                       |          | 349      | 3 6-1-1864  | .14               |                   |                 | 7                 |
|               |                       |          | 350      | 3 6-1-1864  | .14               |                   |                 | 7                 |
|               |                       |          | 357      | 65 6-1-1877 | .20               |                   |                 | 10                |
|               |                       |          | 412      | 81 6-1-1882 | .40               |                   |                 | 20                |
|               | 76                    |          | 85-B     | 4-1-1883    |                   | 1.00              |                 | 50                |
|               | 83                    |          | 85-A     | 6-1-1882    |                   | .72               |                 | 36                |
|               |                       |          | 430      | 65 6-1-1877 | .25               |                   |                 | 12.5              |
|               |                       |          | 595      | 1 6-1-1864  | .20               |                   |                 | 10                |
|               |                       |          | 654      | 30 5-1-1866 | .50               |                   |                 | 25                |
|               |                       |          |          |             | 1.00              |                   |                 | 50                |
|               |                       |          |          |             | .50               |                   |                 | 25                |
|               |                       |          | 694      | 30 5-1-1866 | .16               |                   |                 | 8                 |
|               |                       |          |          |             | .12               |                   |                 | 6                 |
|               |                       |          |          |             | .14               |                   |                 | 7                 |
|               |                       |          |          |             | .26               |                   |                 | 13                |
|               |                       |          | 702      | 30 5-1-1866 | .60               |                   |                 | 30                |
|               |                       |          | 712      | 30 5-1-1866 | .20               |                   |                 | 10                |
|               |                       |          |          |             | .20               |                   |                 | 10                |
|               |                       |          |          |             | .50               |                   |                 | 25                |
|               |                       |          | 720      | 30 5-1-1866 | 1.34              |                   |                 | 67                |
|               |                       |          | 736      | 37 6-1-1868 | 1.00              |                   |                 | 50                |
|               |                       |          | 737      | 30 5-1-1866 | 1.10              |                   |                 | 55                |
|               |                       |          | 739      | 30 5-1-1866 | .15               |                   |                 | 7.5               |
|               |                       |          | 753      | 30 5-1-1866 | .46               |                   |                 | 23                |
|               |                       |          | 829      | 30 5-1-1866 | .48               |                   |                 | 24                |
|               |                       |          | 871      | 36 6-1-1868 | .288              |                   |                 | 14.4              |
|               |                       |          | 872      | 36 6-1-1868 | .22               |                   |                 | 11                |
|               |                       |          | 873      | 30 5-1-1866 | .20               |                   |                 | 10                |
|               |                       |          | 890      | 30 5-1-1866 | .10               |                   |                 | 5                 |
|               |                       |          | 906      | 30 5-1-1866 | .10               |                   |                 | 5                 |
|               |                       |          | 917      | 30 5-1-1866 | .20               |                   |                 | 10                |
|               |                       |          | 918      | 30 5-1-1866 | .025              |                   |                 | 1.25              |
|               |                       |          | 940      | 30 5-1-1866 | .05               |                   |                 | 2.5               |
|               |                       |          | 977      | 30 5-1-1866 | .20               |                   |                 | 10                |
|               |                       |          | 979      | 30 5-1-1866 | .10               |                   |                 | 5                 |
|               |                       |          | 980      | 30 5-1-1866 | .12               |                   |                 | 6                 |
|               |                       |          | 989      | 30 5-1-1866 | .20               |                   |                 | 10                |
|               |                       |          | 990      | 30 5-1-1866 | .03               |                   |                 | 4                 |
|               |                       |          | 991      | 30 5-1-1866 | .16               |                   |                 | 8                 |
|               |                       |          | 1711     | 67 5-1-1878 | .40               |                   |                 | 20                |
| SEVEN SUCKERS |                       |          |          |             | .54               |                   |                 | 27                |
|               | 38)                   |          | 57       | 6-1-1872    | .50               |                   |                 | 25                |
|               | 39)                   |          | 58       | 6-1-1872    | .168              |                   |                 | 8.4               |
|               | 179                   |          | 51       | 6-1-1864    | .072              |                   |                 | 3.6               |
|               |                       |          | 52)      | 6-1-1871    |                   |                   |                 | 1.28              |

\*SUBTRACT

## STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 9

| NAME OF CANAL | CHANGE IN<br>P. OF D. | TRANSFER | PRIORITY |            | AMOUNT DECREED    |                   |                 | TOTAL<br>SEC. FT. |
|---------------|-----------------------|----------|----------|------------|-------------------|-------------------|-----------------|-------------------|
|               |                       |          | NO.      | DATE       | INTERVENORS       |                   |                 |                   |
|               |                       |          |          |            | STEWART<br>DECREE | STEWART<br>DECREE | BRYAN<br>DECREE |                   |
| SETTLERS      |                       |          | 92       | 10-17-1884 | 99.06             |                   |                 | 4953              |
|               |                       |          | 122      | 6-1-1891   | 73.44             |                   |                 | 3672              |
|               |                       | 347      | 3        | 6-1-1864   | .14               |                   |                 | 7                 |
|               |                       | 349      | 3        | 6-1-1864   | .14               |                   |                 | 7                 |
|               |                       | 350      | 3        | 6-1-1864   | .14               |                   |                 | 7                 |
|               |                       | 357      | 65       | 6-1-1877   | .20               |                   |                 | 10                |
|               |                       | 412      | 81       | 6-1-1882   | .40               |                   |                 | 20                |
|               | 76                    |          | 85-B     | 4-1-1883   |                   | 1.00              |                 | 50                |
|               | 83                    |          | 85-A     | 6-1-1882   |                   | .72               |                 | 36                |
|               |                       | 430      | 65       | 6-1-1877   | .25               |                   |                 | 12.5              |
|               |                       | 595      | 1        | 6-1-1864   | .20               |                   |                 | 10                |
|               |                       | 654      | 30       | 5-1-1866   | .50               |                   |                 | 25                |
|               |                       |          |          |            | 1.00              |                   |                 | 50                |
|               |                       |          |          |            | .50               |                   |                 | 25                |
|               |                       | 694      | 30       | 5-1-1866   | .16               |                   |                 | 8                 |
|               |                       |          |          |            | .12               |                   |                 | 6                 |
|               |                       |          |          |            | .14               |                   |                 | 7                 |
|               |                       |          |          |            | .26               |                   |                 | 13                |
|               |                       | 702      | 30       | 5-1-1866   | .60               |                   |                 | 30                |
|               |                       | 712      | 30       | 5-1-1866   | .20               |                   |                 | 10                |
|               |                       |          |          |            | .20               |                   |                 | 10                |
|               |                       |          |          |            | .50               |                   |                 | 25                |
|               |                       |          |          |            | 1.34              |                   |                 | 67                |
|               |                       | 720      | 30       | 5-1-1866   | 1.00              |                   |                 | 50                |
|               |                       | 736      | 37       | 6-1-1868   | 1.10              |                   |                 | 55                |
|               |                       | 737      | 30       | 5-1-1866   | .15               |                   |                 | 7.5               |
|               |                       | 739      | 30       | 5-1-1866   | .46               |                   |                 | 23                |
|               |                       | 753      | 30       | 5-1-1866   | .48               |                   |                 | 24                |
|               |                       | 829      | 30       | 5-1-1866   | .288              |                   |                 | 14.4              |
|               |                       | 871      | 36       | 6-1-1868   | .22               |                   |                 | 11                |
|               |                       | 872      | 36       | 6-1-1868   | .20               |                   |                 | 10                |
|               |                       | 873      | 30       | 5-1-1866   | .10               |                   |                 | 5                 |
|               |                       | 890      | 30       | 5-1-1866   | .10               |                   |                 | 5                 |
|               |                       | 906      | 30       | 5-1-1866   | .20               |                   |                 | 10                |
|               |                       | 917      | 30       | 5-1-1866   | .025              |                   |                 | 1.25              |
|               |                       | 918      | 30       | 5-1-1866   | .05               |                   |                 | 2.5               |
|               |                       | 940      | 30       | 5-1-1866   | .20               |                   |                 | 10                |
|               |                       | 977      | 30       | 5-1-1866   | .10               |                   |                 | 5                 |
|               |                       | 979      | 30       | 5-1-1866   | .12               |                   |                 | 6                 |
|               |                       | 980      | 30       | 5-1-1866   | .20               |                   |                 | 10                |
|               |                       | 989      | 30       | 5-1-1866   | .03               |                   |                 | 4                 |
|               |                       | 990      | 30       | 5-1-1866   | .16               |                   |                 | 8                 |
|               |                       | 991      | 30       | 5-1-1866   | .40               |                   |                 | 20                |
|               |                       | 1717     | 67       | 5-1-1878   |                   |                   |                 | 27                |
|               |                       |          |          |            | .54               |                   |                 | 25                |
|               |                       |          | 57       | 6-1-1872   | .50               |                   |                 | 8.4               |
|               |                       |          | 58       | 6-1-1872   | .168              |                   |                 | 3.6               |
|               |                       |          | 51       | 6-1-1864   | .072              |                   |                 | 1.28              |
|               |                       |          | 52       | 6-1-1871   |                   |                   |                 |                   |
| SEVEN SUCKERS | 38)                   |          |          |            |                   |                   |                 |                   |
|               | 39)                   |          |          |            |                   |                   |                 |                   |
|               | 179                   |          |          |            |                   |                   |                 |                   |

## STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 3

| NAME OF CANAL | CHANGE IN<br>P. OF D. | TRANSFER | PRIORITY |            | AMOUNT DECREED |                   |                 | INCHES | TOTAL<br>SEC. FT. |
|---------------|-----------------------|----------|----------|------------|----------------|-------------------|-----------------|--------|-------------------|
|               |                       |          | NO.      | DATE       | STEWART        | INTERVENORS       |                 |        |                   |
|               |                       |          |          |            | DECREE         | STEWART<br>DECREE | BRYAN<br>DECREE |        |                   |
| STEDENBERG    |                       |          | 9        | 6-1-1865   | 13.42          |                   |                 | 671    |                   |
|               |                       | 105*     | 9        | 6-1-1865   | .50*           |                   |                 | 25*    |                   |
|               |                       | 717*     | 9        | 6-1-1865   | .64*           |                   |                 | 32*    | 12.28             |
| THURMAN HILL  |                       |          | 7        | 6-1-1864   | 3.30           |                   |                 | 165    |                   |
|               |                       |          | 10       | 6-1-1865   | 1.20           |                   |                 | 60     |                   |
|               |                       |          | 11       | 6-1-1865   | .66            |                   |                 | 33     |                   |
|               |                       |          | 36       | 6-1-1868   | 14.10          |                   |                 | 705    |                   |
|               |                       |          | 37       | 6-1-1868   | 3.70           |                   |                 | 185    |                   |
|               |                       |          | 42       | 6-1-1869   | 1.60           |                   |                 | 80     |                   |
|               |                       |          | 55       | 6-1-1872   | .70            |                   |                 | 35     |                   |
|               |                       |          | 56       | 6-1-1872   | 1.40           |                   |                 | 70     |                   |
|               |                       |          | 62       | 6-1-1876   | .44            |                   |                 | 22     |                   |
|               |                       |          | 75       | 6-1-1880   | 2.40           |                   |                 | 120    |                   |
|               |                       |          | 76       | 10-20-1880 | .90            |                   |                 | 45     |                   |
|               |                       |          | 78       | 6-1-1882   | .90            |                   |                 | 45     |                   |
|               |                       |          | 79       | 6-1-1882   | .60            |                   |                 | 30     |                   |
|               |                       |          | 81       | 6-1-1882   | 2.60           |                   |                 | 130    |                   |
|               |                       |          | 84       | 6-1-1882   | 1.30           |                   |                 | 75     |                   |
|               |                       |          | 87       | 6-1-1883   | .90            |                   |                 | 45     |                   |
|               |                       |          | 128      | 7-1-1895   | .66            |                   |                 | 33     |                   |
|               |                       | 412*     | 81       | 6-1-1882   | .40*           |                   |                 | 20*    |                   |
|               |                       | 736*     | 37       | 6-1-1868   | 1.00*          |                   |                 | 50*    |                   |
|               |                       | 871*     | 36       | 6-1-1868   | .288*          |                   |                 | 14.4*  |                   |
|               |                       | 872*     | 36       | 6-1-1868   | .22*           |                   |                 | 11*    |                   |
|               |                       | 3373*    | 36       | 6-1-1868   | .814*          |                   |                 | 40.7*  | 34.838            |
|               | UPPER CENTER POINT    |          |          | 23         | 6-1-1865       | 3.20              |                 |        | 160               |
|               |                       |          | 24       | 6-1-1865   | 2.40           |                   |                 | 120    |                   |
|               |                       |          | 25       | 6-1-1865   | 3.94           |                   |                 | 197    |                   |
|               |                       |          | 26       | 6-1-1865   | 1.60           |                   |                 | 80     |                   |
|               |                       |          | 27       | 6-1-1865   | 1.58           |                   |                 | 79     |                   |
|               |                       |          | 24       | 6-1-1865   | .80*           |                   |                 | 40*    |                   |
|               |                       | 71*      | 24       | 6-1-1865   | .50*           |                   |                 | 25*    |                   |
|               |                       | 85*      | 96       | 10-1-1887  | 3.00           |                   |                 | 150    |                   |
|               |                       | 148      | 24       | 6-1-1865   | .10*           |                   |                 | 5*     |                   |
|               |                       | 159*     | 89       | 11-9-1883  | .50            |                   |                 | 25     | 14.82             |
|               |                       | 289      |          |            |                |                   |                 |        |                   |

\*SUBTRACT

## STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 3

|                    |                       |          |          |          | AMOUNT DECREED    |                   |                 |        |                   |
|--------------------|-----------------------|----------|----------|----------|-------------------|-------------------|-----------------|--------|-------------------|
| NAME OF CANAL      | CHANGE IN<br>P. OF D. | TRANSFER | PRIORITY |          | STEWART<br>DECREE | INTERVENORS       |                 |        | TOTAL<br>SEC. FT. |
|                    |                       |          | NO.      | DATE     |                   | STEWART<br>DECREE | BRYAN<br>DECREE | INCHES |                   |
| WARM SPRINGS DITCH |                       |          | 61       | 6-1-1876 | 2.30              |                   |                 |        |                   |
|                    |                       |          | 82       | 6-1-1882 | .44               |                   |                 |        |                   |
|                    |                       |          | 83       | 6-1-1882 | .44               |                   |                 |        |                   |
|                    |                       |          | 84       | 6-1-1882 | 1.36              |                   |                 |        |                   |
|                    |                       |          | 85       | 6-1-1882 | 2.20              |                   |                 |        |                   |
|                    |                       |          | 81       | 6-1-1882 | .80               |                   |                 |        |                   |
|                    |                       |          | 115      | 6-1-1889 | .06               |                   |                 |        |                   |
|                    |                       |          | 116      | 6-1-1889 | 1.20              |                   |                 |        |                   |
|                    |                       | 2996     | 116*     | 6-1-1889 | .80*              |                   |                 |        | 8.00              |

TABLE SHOWING PRESENT DIVERSION OF STEWART DECREED  
RIGHTS AND FLOW NECESSARY IN SECOND FEET TO FILL  
TO 60% - 75% AND 100%

CHART NO. 4

| NO.  | CANAL                      | RIVER<br>SECTION | 100% OF<br>DEGREE | 75% OF<br>DEGREE | 60% OF<br>DEGREE | FLOW TO<br>FILL 60% | FLOW TO<br>FILL 75% | FLOW TO<br>FILL 100% |
|------|----------------------------|------------------|-------------------|------------------|------------------|---------------------|---------------------|----------------------|
| 1    | FARMERS UNION              | 1                | 1.80              | 1.35             | 1.08             | 1.08                | 1334.0              | 1650.1               |
| 1    | RIDENBAUGH                 | 1                | .20               | .15              | .12              | 1.20                | 1334.0              | 1650.2               |
| 1    | SETTLERS                   | 1                | .20               | .15              | .12              | 1.32                | 1334.1              | 1650.2               |
| 2    | *FARMERS UNION             | 1                | 20.00             | 20.00            | 20.00            | 21.32               | 1334.1              | 1650.2               |
| 3    | MIDDLETON MILL             | 1                | 11.04             | 8.28             | 6.62             | 27.94               | 1335.7              | 1653.0               |
| 3    | FARMERS UNION              | 1                | .10               | .08              | .06              | 28.00               | 1335.7              | 1653.0               |
| 3    | SETTLERS                   | 1                | .42               | .32              | .25              | 28.25               | 1335.8              | 1653.1               |
| 3    | NEW DRY CREEK              | 1                | 1.25              | .94              | .75              | 29.00               | 1336.0              | 1653.4               |
| 4    | ANDREWS                    | 3                | 3.30              | 2.48             | 1.98             | 29.00               | 1336.0              | 1653.4               |
| 5    | MACE-CATLIN                | 1                | 2.69              | 2.02             | 1.61             | 30.61               | 1336.4              | 1654.1               |
| 5    | SEVEN SUCKERS              | 1                | .17               | .13              | .10              | 30.71               | 1336.4              | 1654.1               |
| 6    | HART-DAVIS                 | 1                | 3.30              | 2.48             | 1.98             | 32.69               | 1336.9              | 1655.0               |
| 7    | THURMAN MILL               | 1                | 3.30              | 2.48             | 1.98             | 34.67               | 1337.4              | 1655.8               |
| 8    | NEW YORK                   | 1                | 20.00             | 15.00            | 12.20            | 46.67               | 1340.4              | 1660.8               |
| 8A   | RIDENBAUGH                 | 1                | .80               | .60              | .48              | 47.45               | 1340.5              | 1661.0               |
| 8B   | BUBB                       | 1                | 1.80              | 1.35             | 1.08             | 48.23               | 1340.8              | 1661.4               |
| 8C   | LEMP                       | 1                | 6.00              | 4.50             | 3.60             | 51.83               | 1341.7              | 1662.9               |
| 8D   | BUBB                       | 1                | .50               | .38              | .30              | 52.13               | 1341.8              | 1663.1               |
| 9    | SIEGENBERG                 | 2                | 13.42             | 10.07            | 8.05             | 52.13               | 1341.8              | 1663.1               |
| 9    | SEBREE                     | 2                | .64               | .48              | .38              | 52.13               | 1341.8              | 1663.1               |
| 9    | CAMPBELL                   | 2                | .50               | .38              | .30              | 52.13               | 1341.8              | 1663.1               |
| 10   | THURMAN MILL               | 1                | 1.20              | .90              | .72              | 52.85               | 1342.0              | 1663.4               |
| 11   | THURMAN MILL               | 1                | .66               | .50              | .40              | 53.25               | 1342.1              | 1663.5               |
| 12   | GRAHAM-GILBERT             | 1                | 4.40              | 3.30             | 2.64             | 55.89               | 1342.7              | 1664.6               |
| 13   | EUREKA #1                  | 1                | 33.32             | 24.99            | 19.99            | 75.88               | 1347.7              | 1673.0               |
| 14   | NEW UNION                  | 1                | 13.76             | 10.32            | 8.27             | 84.15               | 1349.8              | 1676.4               |
| 15   | BOISE VALLEY               | 1                | 54.58             | 40.94            | 32.75            | 116.90              | 1358.0              | 1690.0               |
| 16   | ROSSI MILL                 | 1                | 9.20              | 6.90             | 5.52             | 122.42              | 1359.5              | 1692.5               |
| 17   | RIDENBAUGH & ROSSI (POWER) | 1                | 265.80            | 265.80           | 265.80           | 122.42              | 1359.5              | 1692.5               |
| 18   | ROSSI MILL                 | 1                | .80               | .60              | .48              | 122.90              | 1359.5              | 1692.5               |
| 19   | BOWMAN-SWISHER             | 2                | 2.88              | 2.16             | 1.73             | 122.90              | 1359.5              | 1692.5               |
| 20   | BOWMAN-SWISHER             | 2                | 5.60              | 4.20             | 3.36             | 122.90              | 1359.5              | 1692.5               |
| 20.1 | BAXTER                     | 3                | .80               | .60              | .48              | 122.90              | 1359.5              | 1692.5               |
| 21   | LOWER CENTER POINT         | 2                | 2.90              | 2.18             | 1.74             | 122.90              | 1359.5              | 1692.5               |
| 22   | LOWER CENTER POINT         | 2                | 3.20              | 2.40             | 1.92             | 122.90              | 1359.5              | 1692.5               |
| 23   | UPPER CENTER POINT         | 2                | 3.20              | 2.40             | 1.92             | 122.90              | 1359.5              | 1692.5               |
| 24   | UPPER CENTER POINT         | 2                | 1.00              | .75              | .60              | 122.90              | 1359.5              | 1692.5               |
| 24   | EUREKA #2                  | 2                | 1.40              | 1.05             | .84              | 122.90              | 1359.5              | 1692.5               |
| 25   | UPPER CENTER POINT         | 2                | 3.94              | 2.96             | 2.36             | 122.90              | 1359.5              | 1692.5               |
| 26   | UPPER CENTER POINT         | 2                | 1.60              | 1.20             | .96              | 122.90              | 1359.5              | 1692.5               |
| 27   | UPPER CENTER POINT         | 2                | 1.58              | 1.19             | .95              | 122.90              | 1359.5              | 1692.5               |
| 28   | BOONE                      | 3                | 7.00              | 5.25             | 4.20             | 122.90              | 1359.5              | 1692.5               |
| 29   | ANDREWS                    | 3                | 6.00              | 4.50             | 3.60             | 123.30              | 1359.5              | 1692.5               |
| 30   | *MIDDLETON MILL            | 1                | .40               | .30              | .24              | 126.20              | 1359.5              | 1692.5               |
| 30   | *MISCELLANEOUS             | 1                | 3.00              | 2.25             | 1.80             | 126.84              | 1359.5              | 1692.5               |
| 30   | *NEW DRY CREEK             | 1                | .54               | .41              | .33              |                     |                     |                      |

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TABLE SHOWING PRESENT DIVERSION OF STEWART DECREED  
RIGHTS AND FLOW NECESSARY IN SECOND FEET TO FILL  
TO 60% - 75% AND 100%

CHART NO. 4

| NO. | CANAL                | RIVER<br>SECTION | 100% OF<br>DECREE | 75% OF<br>DECREE | 60% OF<br>DECREE | FLOW TO<br>FILL 60% | FLOW TO<br>FILL 75% | FLOW TO<br>FILL 100% |
|-----|----------------------|------------------|-------------------|------------------|------------------|---------------------|---------------------|----------------------|
| 30  | *NEW YORK            | 1                | 15.10             | 15.10            | 15.10            | 141.94              | 1355.5              | 1692.5               |
| 30  | *PHYLISS             | 1                | 21.72             | 21.72            | 21.72            | 163.66              | 1359.5              | 1692.5               |
| 30  | *SETTLERS            | 1                | 9.25              | 9.25             | 9.25             | 172.91              | 1359.5              | 1692.5               |
| 31  | CANYON COUNTY        | 1                | 2.60              | 1.95             | 1.56             | 174.47              | 1359.5              | 1693.2               |
| 31A | MIDDLETON IRRIGATION | 1                | 2.30              | 1.73             | 1.38             | 175.85              | 1360.2              | 1693.8               |
| 31B | MIDDLETON IRRIGATION | 1                | .60               | .45              | .36              | 176.21              | 1360.3              | 1693.9               |
| 31C | LITTLE PIONEER       | 1                | 1.10              | .83              | .66              | 176.87              | 1360.5              | 1694.2               |
| 32  | MISCELLANEOUS        | 1                | 1.70              | 1.28             | 1.02             | 177.89              | 1360.8              | 1694.6               |
| 32  | FARMERS UNION        | 1                | 1.80              | 1.35             | 1.08             | 178.97              | 1361.0              | 1695.1               |
| 33  | BOISE CITY CANAL     | 1                | 36.38             | 27.29            | 21.83            | 200.80              | 1366.4              | 1704.2               |
| 33  | FARMERS UNION        | 1                | 1.68              | 1.26             | 1.01             | 201.81              | 1366.7              | 1704.6               |
| 34  | CALDWELL HIGHLINE    | 1                | 15.40             | 11.55            | 9.24             | 211.05              | 1369.0              | 1708.4               |
| 35  | CANYON COUNTY        | 1                | 75.01             | 56.26            | 45.01            | 256.06              | 1380.3              | 1727.2               |
| 35  | MIDDLETON MILL       | 1                | .41               | .31              | .25              | 256.31              | 1380.3              | 1727.3               |
| 35  | MIDDLETON IRRIGATION | 1                | .38               | .29              | .23              | 256.54              | 1380.4              | 1727.4               |
| 35A | CANYON COUNTY        | 1                | 1.76              | 1.32             | 1.06             | 257.60              | 1380.6              | 1727.8               |
| 36  | THURMAN MILL         | 1                | 13.59             | 10.19            | 8.15             | 265.75              | 1382.7              | 1731.2               |
| 36  | SETTLERS             | 1                | .51               | .38              | .31              | 266.06              | 1382.7              | 1731.3               |
| 37  | THURMAN MILL         | 1                | 2.70              | 2.03             | 1.62             | 267.68              | 1382.2              | 1732.0               |
| 37  | SETTLERS             | 1                | 1.00              | .75              | .60              | 268.28              | 1382.3              | 1732.3               |
| 38  | LOWER CENTER POINT   | 2                | 3.20              | 2.40             | 1.92             | 268.28              | 1383.3              | 1732.3               |
| 39  | HAAS                 | 3                | 8.54              | 6.41             | 5.12             | 268.28              | 1383.3              | 1732.3               |
| 40  | MIDDLETON MILL       | 1                | 1.40              | 1.05             | .84              | 269.12              | 1383.5              | 1732.6               |
| 41  | MAHON                | 3                | 1.80              | 1.35             | 1.08             | 269.12              | 1383.5              | 1732.6               |
| 42  | THURMAN MILL         | 1                | 1.60              | 1.20             | .96              | 270.08              | 1383.8              | 1733.0               |
| 43  | LOWER CENTER POINT   | 2                | 3.60              | 2.70             | 2.16             | 270.08              | 1383.8              | 1733.0               |
| 44  | ANDREWS              | 3                | 8.50              | 6.38             | 5.10             | 270.08              | 1383.8              | 1733.0               |
| 45  | PIONEER DIXIE        | 2                | 33.10             | 24.83            | 19.86            | 270.08              | 1383.8              | 1733.0               |
| 45  | NEW YORK             | 1                | .34               | .26              | .20              | 270.28              | 1383.8              | 1733.1               |
| 45  | RIVERSIDE            | 2                | 2.00              | 1.50             | 1.20             | 270.28              | 1383.8              | 1733.1               |
| 46  | CALDWELL HIGH LINE   | 1                | 36.20             | 27.15            | 21.72            | 292.00              | 1389.2              | 1742.2               |
| 46  | CANYON COUNTY        | 1                | 1.00              | .75              | .60              | 292.60              | 1389.4              | 1742.4               |
| 47  | BOONE                | 3                | 3.50              | 2.63             | 2.10             | 292.60              | 1389.4              | 1742.4               |
| 47A | RIDENBAUGH           | 1                | .80               | .60              | .48              | 293.08              | 1389.5              | 1742.6               |
| 48  | CONWAY HAMMING       | 1                | 2.60              | 1.95             | 1.56             | 294.64              | 1399.9              | 1743.3               |
| 49  | LITTLE PIONEER       | 1                | 25.72             | 19.29            | 15.43            | 310.07              | 1393.8              | 1749.7               |
| 50  | PENITENTIARY         | 1                | 2.24              | 1.68             | 1.34             | 311.41              | 1394.1              | 1750.2               |
| 50A | BUBB                 | 1                | 1.00              | .75              | .60              | 312.01              | 1394.2              | 1750.5               |
| 51  | ANDREWS              | 3                | 1.30              | .98              | .78              | 312.01              | 1394.2              | 1750.5               |
| 52  | MACE-CATLIN          | 1                | 7.79              | 5.84             | 4.67             | 316.68              | 1395.4              | 1752.4               |
| 52  | SEVEN SUCKERS        | 1                | .07               | .05              | .04              | 316.72              | 1395.4              | 1752.5               |
| 53  | MEEVES               | 1                | 1.80              | 1.35             | 1.08             | 317.80              | 1395.7              | 1752.9               |
| 54  | MIDDLETON MILL       | 1                | 32.43             | 24.32            | 19.46            | 337.26              | 1400.5              | 1761.0               |
| 54  | FARMERS UNION        | 1                | .26               | .20              | .16              | 337.42              | 1400.6              | 1761.1               |
| 54  | NEW DRY CREEK        | 1                | 1.01              | .76              | .61              | 338.03              | 1400.7              | 1761.3               |
| 55  | THURMAN MILL         | 1                | .70               | .53              | .42              | 338.45              | 1400.8              | 1761.5               |

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TABLE SHOWING PRESENT DIVERSION OF STEWART DECREE  
RIGHTS AND FLOW NECESSARY IN SECOND FEET TO FILL  
TO 60% - 75% AND 100%

| NO. | CANAL                      | RIVER<br>SECTION | 100% OF<br>DECREE | 75% OF<br>DECREE | 60% OF<br>DECREE | FLOW TO<br>FILL 60% | FLOW TO<br>FILL 75% | FLOW TO<br>FILL 100% |
|-----|----------------------------|------------------|-------------------|------------------|------------------|---------------------|---------------------|----------------------|
| 56  | THURMAN MILL               | 1                | 1.40              | 1.05             | .84              | 339.29              | 1401.1              | 1761.9               |
| 57  | HART DAVIS                 | 1                | 3.86              | 2.90             | 2.32             | 341.61              | 1401.6              | 1762.2               |
| 57  | SEVEN SUCKERS              | 1                | .54               | .41              | .32              | 341.93              | 1401.7              | 1763.0               |
| 58  | HART DAVIS                 | 1                | 2.80              | 2.10             | 1.68             | 343.61              | 1402.1              | 1763.7               |
| 58  | SEVEN SUCKERS              | 1                | .50               | .38              | .30              | 343.91              | 1402.2              | 1763.6               |
| 59  | BOONE                      | 3                | 2.20              | 1.65             | 1.32             | 343.91              | 1402.2              | 1763.8               |
| 59A | ROEDEL                     | 2                | 3.20              | 2.40             | 1.92             | 343.91              | 1402.2              | 1763.8               |
| 60  | SEBREE                     | 2                | 10.00             | 7.50             | 6.00             | 343.91              | 1402.2              | 1763.8               |
| 61  | WARM SPRINGS               | 1                | 2.30              | 1.73             | 1.38             | 345.29              | 1402.6              | 1764.4               |
| 62  | THURMAN MILL               | 1                | .44               | .33              | .26              | 345.55              | 1402.6              | 1764.5               |
| 63  | AIKEN                      | 1                | 5.20              | 3.90             | 3.12             | 348.67              | 1403.4              | 1765.8               |
| 64  | CONWAY-HAMMING             | 1                | .90               | .68              | .54              | 349.21              | 1403.5              | 1766.0               |
| 65  | MIDDLETON IRRIGATION       | 1                | 109.51            | 82.13            | 65.71            | 414.92              | 1420.3              | 1793.4               |
| 65  | BALLENTYNE                 | 1                | .60               | .45              | .36              | 415.28              | 1420.1              | 1793.5               |
| 65  | FARMERS UNION              | 1                | 3.12              | 2.34             | 1.87             | 417.15              | 1420.5              | 1794.3               |
| 65  | RIDENBAUGH                 | 1                | .40               | .30              | .24              | 417.39              | 1420.6              | 1794.4               |
| 65  | SETTLERS                   | 1                | .45               | .34              | .27              | 417.66              | 1420.6              | 1794.5               |
| 66  | PARRAULT & JOHNSON (POWER) | 1                | 200.00            | 200.00           | 200.00           | 417.66              | 1420.6              | 1794.5               |
| 66A | BALLENTYNE                 | 1                | .80               | .60              | .48              | 418.14              | 1420.8              | 1794.7               |
| 66C | BALLENTYNE                 | 1                | 1.40              | 1.05             | .84              | 418.98              | 1421.0              | 1795.1               |
| 66D | BALLENTYNE                 | 1                | .80               | .60              | .48              | 419.46              | 1421.1              | 1795.3               |
| 67  | RIDENBAUGH                 | 1                | 169.60            | 127.20           | 101.76           | 521.22              | 1446.5              | 1837.7               |
| 67  | SETTLERS                   | 1                | .40               | .30              | .24              | 521.46              | 1446.6              | 1837.8               |
| 68  | MAMMON                     | 3                | 4.20              | 3.15             | 2.52             | 521.46              | 1446.6              | 1837.8               |
| 69  | MAMMON                     | 3                | 3.36              | 2.52             | 2.02             | 521.46              | 1446.6              | 1837.8               |
| 70  | HAAS                       | 3                | 8.80              | 6.60             | 5.28             | 521.46              | 1446.6              | 1837.8               |
| 71  | PARMA                      | 3                | 4.40              | 3.30             | 2.64             | 521.46              | 1446.6              | 1837.8               |
| 71A | ISLAND HIGH LINE           | 3                | 3.00              | 2.25             | 1.80             | 521.46              | 1446.6              | 1837.8               |
| 72  | NEW DRY CREEK              | 1                | 31.32             | 23.49            | 18.79            | 540.25              | 1451.3              | 1845.6               |
| 73  | LOWER CENTER POINT         | 2                | 4.00              | 3.00             | 2.40             | 540.25              | 1451.3              | 1845.6               |
| 73A | NEW DRY CREEK              | 1                | .44               | .33              | .26              | 540.51              | 1451.4              | 1845.7               |
| 73A | AIKEN                      | 1                | .10               | .08              | .06              | 540.57              | 1451.4              | 1845.7               |
| 73B | BAXTER                     | 3                | 3.20              | 2.40             | 1.92             | 540.57              | 1451.4              | 1845.7               |
| 74  | PARMA                      | 3                | 1.76              | 1.32             | 1.06             | 540.57              | 1451.4              | 1845.7               |
| 74A | NEW DRY CREEK              | 1                | 1.82              | 1.37             | 1.09             | 541.66              | 1451.6              | 1846.2               |
| 75  | THURMAN MILL               | 1                | 2.40              | 1.80             | 1.44             | 543.10              | 1452.0              | 1846.8               |
| 76  | THURMAN MILL               | 1                | .90               | .68              | .54              | 543.64              | 1452.1              | 1847.0               |
| 77  | CALDWELL HIGH LINE         | 1                | 27.60             | 20.70            | 16.56            | 560.20              | 1456.3              | 1853.9               |
| 77A | PARMA                      | 3                | 1.60              | 1.20             | .96              | 560.20              | 1456.3              | 1853.9               |
| 77B | PARMA                      | 3                | .34               | .26              | .20              | 560.20              | 1456.3              | 1853.9               |
| 77C | PARMA                      | 3                | .80               | .60              | .48              | 560.20              | 1456.3              | 1853.9               |
| 77D | PARMA                      | 3                | 1.30              | .98              | .78              | 560.20              | 1456.3              | 1853.9               |
| 77E | RIVERSIDE                  | 2                | 3.67              | 2.75             | 2.20             | 560.20              | 1456.3              | 1853.9               |
| 78  | THURMAN MILL               | 1                | .70               | .68              | .54              | 560.74              | 1456.4              | 1854.1               |
| 79  | THURMAN MILL               | 1                | .60               | .45              | .36              | 561.10              | 1456.5              | 1854.3               |
| 80  | MISCELLANEOUS              | 1                | 1.60              | 1.20             | .96              | 562.06              | 1456.7              | 1854.7               |

TABLE SHOWING PRESENT DIVERSION OF STEWART DECREEED  
RIGHTS AND FLOW NECESSARY IN SECOND FEET TO FILL  
TO 60% - 75% AND 100%

CHART NO. 4

| NO. | CANAL              | RIVER<br>SECTION | 100% OF<br>DECREE | 75% OF<br>DECREE | 60% OF<br>DECREE | FLOW TO<br>FILL 60% | FLOW TO<br>FILL 75% | FLOW TO<br>FILL 100% |
|-----|--------------------|------------------|-------------------|------------------|------------------|---------------------|---------------------|----------------------|
| 81  | THURMAN MILL       | 1                | 2.20              | 1.65             | 1.32             | 563.38              | 1457.1              | 1855.2               |
| 81  | SETTLERS           | 1                | .40               | .30              | .24              | 563.62              | 1457.1              | 1855.3               |
| 81  | WARM SPRINGS       | 1                | .80               | .60              | .48              | 564.10              | 1457.3              | 1855.5               |
| 82  | WARM SPRINGS       | 1                | .44               | .33              | .26              | 564.36              | 1457.3              | 1855.6               |
| 83  | WARM SPRINGS       | 1                | .44               | .33              | .26              | 564.62              | 1457.4              | 1855.7               |
| 84  | THURMAN MILL       | 1                | 1.50              | 1.13             | .90              | 565.52              | 1457.6              | 1856.1               |
| 84  | WARM SPRINGS       | 1                | 1.36              | 1.02             | .82              | 566.34              | 1457.8              | 1856.5               |
| 85  | WARM SPRINGS       | 1                | 2.20              | 1.65             | 1.32             | 567.66              | 1458.1              | 1857.0               |
| 95A | MISCELLANECUS      | 1                | 1.04              | .78              | .62              | 568.28              | 1458.3              | 1857.3               |
| 95A | SETTLERS           | 1                | .72               | .54              | .43              | 568.71              | 1458.4              | 1857.4               |
| 95B | SETTLERS           | 1                | 1.00              | .75              | .60              | 569.31              | 1458.6              | 1857.7               |
| 95C | NEW DRY CREEK      | 1                | .22               | .17              | .13              | 569.44              | 1458.6              | 1857.8               |
| 95D | BALLENTYNE         | 1                | .76               | .57              | .46              | 569.90              | 1458.7              | 1857.9               |
| 95D | NEW DRY CREEK      | 1                | .07               | .05              | .04              | 569.94              | 1458.7              | 1858.0               |
| 95E | NEW DRY CREEK      | 1                | .39               | .29              | .23              | 570.17              | 1458.7              | 1858.1               |
| 86  | SEBREE             | 2                | 20.00             | 15.00            | 12.00            | 570.17              | 1458.8              | 1858.1               |
| 87  | THURMAN MILL       | 1                | .90               | .68              | .54              | 570.71              | 1458.9              | 1858.3               |
| 88  | RIVERSIDE          | 2                | 8.00              | 6.00             | 4.80             | 570.71              | 1458.9              | 1858.3               |
| 88  | EUREKA #2          | 2                | 1.70              | 1.28             | 1.02             | 570.71              | 1458.9              | 1858.3               |
| 88  | PIONEER DIXIE      | 2                | 2.30              | 1.73             | 1.38             | 570.71              | 1458.9              | 1858.3               |
| 89  | EUREKA #2          | 2                | 18.30             | 13.73            | 10.98            | 570.71              | 1458.9              | 1858.3               |
| 89  | BOWMAN-SWISHER     | 2                | .20               | .15              | .12              | 570.71              | 1458.9              | 1858.3               |
| 89  | UPPER CENTER POINT | 2                | .50               | .38              | .30              | 570.71              | 1458.9              | 1858.3               |
| 89  | LOWER CENTER POINT | 2                | 2.70              | 2.03             | 1.62             | 570.71              | 1458.9              | 1858.3               |
| 90  | PHYLIS             | 1                | 53.10             | 39.83            | 31.86            | 602.37              | 1466.9              | 1871.6               |
| 91  | RIVERSIDE          | 2                | 20.00             | 15.00            | 12.00            | 602.57              | 1466.9              | 1871.6               |
| 92  | SETTLERS           | 1                | 99.06             | 74.30            | 59.44            | 662.01              | 1481.7              | 1896.3               |
| 93  | NEW DRY CREEK      | 1                | 15.22             | 11.42            | 9.13             | 671.14              | 1484.0              | 1900.1               |
| 94  | DAVIS              | 1                | 13.40             | 10.05            | 8.04             | 679.18              | 1486.0              | 1903.5               |
| 95  | RIVERSIDE          | 2                | 4.00              | 3.00             | 2.40             | 679.18              | 1486.0              | 1903.5               |
| 96  | BOWMAN-SWISHER     | 2                | .70               | .53              | .42              | 679.18              | 1486.0              | 1903.5               |
| 96  | CAMPBELL           | 2                | 12.10             | 9.08             | 7.26             | 679.18              | 1486.0              | 1903.5               |
| 96  | EUREKA #2          | 2                | 28.60             | 21.45            | 17.16            | 679.18              | 1486.0              | 1903.5               |
| 96  | NEW YORK           | 1                | 1.20              | .90              | .72              | 679.90              | 1486.2              | 1903.8               |
| 96  | PIONEER DIXIE      | 2                | 2.20              | 1.65             | 1.32             | 679.90              | 1486.2              | 1903.8               |
| 96  | UPPER CENTER POINT | 2                | 3.00              | 2.25             | 1.80             | 679.90              | 1486.2              | 1903.8               |
| 97  | NEW DRY CREEK      | 1                | 7.86              | 5.90             | 4.72             | 684.62              | 1487.4              | 1905.7               |
| 98  | BALLENTYNE         | 1                | 4.00              | 3.00             | 2.40             | 687.02              | 1488.0              | 1906.7               |
| 99  | BALLENTYNE         | 1                | 1.30              | .98              | .78              | 687.80              | 1488.2              | 1907.1               |
| 99  | BALLENTYNE         | 1                | 1.40              | 1.05             | .84              | 688.64              | 1488.4              | 1907.4               |
| 100 | BALLENTYNE         | 1                | 1.46              | 1.10             | .88              | 689.52              | 1488.6              | 1907.8               |
| 101 | BALLENTYNE         | 1                | 1.00              | .75              | .60              | 690.12              | 1488.8              | 1908.0               |
| 102 | BALLENTYNE         | 1                | .20               | .15              | .12              | 690.24              | 1488.8              | 1908.1               |
| 102 | NEW DRY CREEK      | 1                | .51               | .38              | .31              | 690.55              | 1488.9              | 1908.2               |
| 103 | BALLENTYNE         | 1                | .89               | .67              | .53              | 691.08              | 1489.0              | 1908.4               |
| 103 | NEW DRY CREEK      | 1                | .90               | .68              | .54              | 691.08              | 1489.0              | 1908.4               |
| 104 | ANDREWS            | 3                | 50.00             | 37.50            | 30.00            | 691.08              | 1489.0              | 1908.4               |
| 105 | SEBREE             | 2                | 361.34            | 271.46           | 217.16           | 908.24              | 1543.3              | 1998.9               |
| 106 | RIDENBAUGH         | 1                | 8.90              | 6.68             | 5.34             | 913.58              | 1544.6              | 2001.2               |
| 106 | NEW YORK           | 1                |                   |                  |                  |                     |                     |                      |

TABLE SHOWING PRESENT DIVERSION OF STEWART DECREE  
RIGHTS AND FLOW NECESSARY IN SECOND FEET TO FILL  
TO 60% - 75% AND 100%

CHART NO. 4

| NO.  | CANAL            | RIVER<br>SECTION | 100% OF<br>DECREE | 75% OF<br>DECREE | 60% OF<br>DECREE | FLOW TO<br>FILL 60% | FLOW TO<br>FILL 75% | FLOW TO<br>FILL 100% |
|------|------------------|------------------|-------------------|------------------|------------------|---------------------|---------------------|----------------------|
| 106A | BUEB             | 1                | .84               | .63              | .50              | 914.08              | 1544.7              | 2001.3               |
| 107  | BUBB             | 1                | .06               | .05              | .04              | 914.12              | 1544.8              | 2001.4               |
| 108  | BUBB             | 1                | .02               | .02              | .01              | 914.13              | 1544.8              | 2001.4               |
| 109  | BUBB             | 1                | 2.40              | 1.80             | 1.44             | 915.57              | 1545.1              | 2002.0               |
| 110  | BUBB             | 1                | 6.00              | 4.50             | 3.60             | 919.17              | 1546.0              | 2003.5               |
| 111  | BUBB             | 1                | 2.94              | 2.21             | 1.76             | 920.93              | 1546.5              | 2004.2               |
| 112  | BUBB             | 1                | .05               | .04              | .03              | 920.96              | 1546.5              | 2004.2               |
| 113  | BUBB             | 1                | .10               | .08              | .06              | 921.02              | 1546.5              | 2004.2               |
| 114  | BUBB             | 1                | .03               | .02              | .02              | 921.04              | 1546.5              | 2004.2               |
| 114A | MISCELLANEOUS    | 3                | 1.60              | 1.20             | .96              | 921.04              | 1546.5              | 2004.2               |
| 114B | PARMA            | 3                | .80               | .60              | .48              | 921.04              | 1546.5              | 2004.2               |
| 115  | WARM SPRINGS     | 1                | .06               | .05              | .04              | 921.04              | 1546.5              | 2004.3               |
| 116  | WARM SPRINGS     | 1                | 1.20              | .90              | .72              | 921.80              | 1546.7              | 2004.6               |
| 116A | RIVERSIDE        | 2                | .72               | .54              | .43              | 921.80              | 1546.7              | 2004.6               |
| 116B | RIVERSIDE        | 2                | .10               | .08              | .06              | 921.80              | 1546.7              | 2004.6               |
| 116C | RIVERSIDE        | 2                | .40               | .30              | .24              | 921.80              | 1546.7              | 2004.6               |
| 117  | PHYLISS          | 1                | 200.00            | 150.00           | 120.00           | 1041.80             | 1576.7              | 2054.6               |
| 118  | CONWAY-HAMMING   | 1                | 2.20              | 1.65             | 1.32             | 1043.12             | 1577.0              | 2055.1               |
| 119  | DAVIS            | 1                | .54               | .41              | .32              | 1043.44             | 1577.1              | 2055.2               |
| 120  | MIDDLETON MILL   | 1                | 16.44             | 12.33            | 9.86             | 1053.30             | 1579.6              | 2059.4               |
| 120  | FARMERS UNION    | 1                | .08               | .06              | .05              | 1053.35             | 1579.6              | 2059.4               |
| 120  | NEW DRY CREEK    | 1                | .48               | .36              | .29              | 1053.64             | 1579.6              | 2059.5               |
| 121  | ANDREWS          | 3                | 3.50              | 2.63             | 2.10             | 1053.64             | 1579.6              | 2059.5               |
| 122  | SETTLERS         | 1                | 73.44             | 55.08            | 44.06            | 1097.70             | 1590.7              | 2077.9               |
| 123  | BALLENTYNE       | 1                | .80               | .60              | .48              | 1098.18             | 1590.8              | 2078.1               |
| 123A | MIDDLETON MILL   | 1                | 1.60              | 1.20             | .96              | 1099.14             | 1591.0              | 2078.5               |
| 124  | RIVERSIDE        | 3                | 80.00             | 60.00            | 48.00            | 1099.14             | 1591.0              | 2078.5               |
| 124A | NEW DRY CREEK    | 1                | .69               | .52              | .41              | 1099.55             | 1591.1              | 2078.6               |
| 124A | BALLENTYNE       | 1                | .14               | .11              | .08              | 1099.63             | 1591.1              | 2078.7               |
| 125  | PARMA            | 3                | 1.76              | 1.32             | 1.06             | 1099.63             | 1591.1              | 2078.7               |
| 126  | FARMERS UNION    | 1                | 110.00            | 82.50            | 66.00            | 1165.63             | 1607.6              | 2106.2               |
| 127  | RIDENBAUGH       | 1                | 1.00              | .75              | .60              | 1166.23             | 1607.8              | 2106.4               |
| 128  | THURMAN MILL     | 1                | .66               | .50              | .40              | 1166.63             | 1607.9              | 2106.6               |
| 129  | SEBREE           | 2                | 83.50             | 62.63            | 50.10            | 1166.63             | 1607.9              | 2106.6               |
| 129A | NEW DRY CREEK    | 1                | .54               | .41              | .32              | 1166.95             | 1608.0              | 2106.7               |
| 130  | RIVERSIDE        | 2                | 20.00             | 15.00            | 12.00            | 1166.95             | 1608.0              | 2106.7               |
| 131  | NEW YORK         | 1                | 219.10            | 164.33           | 131.46           | 1298.41             | 1640.8              | 2161.5               |
| 132  | CAMPBELL         | 2                | 10.00             | 7.50             | 6.00             | 1298.41             | 1640.8              | 2161.5               |
| 133  | RIVERSIDE        | 2                | 70.00             | 52.50            | 42.00            | 1298.41             | 1640.8              | 2161.5               |
| 134  | CAMPBELL         | 2                | 5.54              | 4.16             | 3.32             | 1298.41             | 1640.8              | 2161.5               |
| 135  | PHYLISS          | 1                | 56.34             | 42.26            | 33.80            | 1332.21             | 1649.3              | 2175.6               |
| 136  | BALLENTYNE       | 1                | .39               | .29              | .23              | 1332.44             | 1649.3              | 2175.7               |
| 137  | MACE-HACE        | 1                | 1.76              | 1.32             | 1.06             | 1333.50             | 1649.6              | 2176.1               |
| 137A | ISLAND HIGH LINE | 3                | 7.00              | 5.25             | 4.20             | 1333.50             | 1649.6              | 2176.1               |
| 138  | MACE-CATLIN      | 1                | .44               | .33              | .26              | 1333.76             | 1649.7              | 2176.2               |
| 139  | ISLAND HIGH LINE | 3                | 10.00             | 7.50             | 6.00             | 1333.76             | 1649.7              | 2176.2               |

TABLE SHOWING DECREED RIGHTS (BRYAN DECREE) & FLOW IN SECOND FEET  
AN APPROXIMATE AMOUNT  
NECESSARY AT DIVERSION DAM TO FILL SAME

CHART NO. 5

| PRIORITY<br>DATE | NAME                                             | 100% OF<br>DECREE | 75% OF<br>DECREE     | 60% OF<br>DECREE | FLOW TO<br>FILL 60% | FLOW TO<br>FILL 75% | FLOW TO<br>FILL 100% | DEPT. OF WATER<br>ADMINISTRATION |
|------------------|--------------------------------------------------|-------------------|----------------------|------------------|---------------------|---------------------|----------------------|----------------------------------|
| 7-2-1894         | FARMERS UNION                                    | 54.46             | 40.85                | 32.68            | 2306                | 4071                | 4523                 | 63-0297                          |
| 3-23-1900        | NEW YORK IRRIG. DIST.<br>BOISE KUNA IRRIG. DIST. | 58.86             | 44.15                | 35.32            | 2341                | 4079                | 4538                 | 63-0372                          |
| 12-14-1903       | UNITED STATES OF AMERICA                         | 1354.58           | 1015.94              | 812.75           | 3154                | 4283                | 4877                 | 63-0301                          |
| 4-1-1905         | PIONEER IRRIG. DIST.                             | 306.56            | 229.92               | 183.94           | 3338                | 4329                | 4953                 | 63-0294                          |
| 4-1-1905         | FARMERS COOP. DITCH CO.                          | 154.45            | 115.84               | 92.67            | 3430                | 4352                | 4992                 | 63-0296                          |
| 4-1-1905         | SOUTH BOISE MUTUAL DITCH CO.                     | 5.40              | 4.05                 | 3.24             | 3434                | 4353                | 4993                 | 63-0298                          |
| 4-1-1908         | PIONEER IRRIG. DIST.                             | 54.50             | 40.88                | 32.70            | 3466                | 4361                | 5007                 | 63-0295                          |
| 4-1-1909         | UNITED STATES OF AMERICA                         | 292.50            | 219.38               | 175.50           |                     |                     |                      | 63-0373                          |
| 6-16-1909        | UNITED STATES OF AMERICA                         | 634.00            | 475.50               | 380.40           | 4022                | 4500                | 5239                 | 63-0302                          |
| 6-16-1909        | UNITED STATES OF AMERICA                         | 1500.00           | (POWER)              |                  |                     |                     |                      | 63-0367                          |
| 4-1-1910         | **RIVERSIDE IRRIG. DIST.                         | 63.78             | 47.84                | 38.27            | 4060                | 4509                | 5255                 | 63-0299                          |
| 4-1-1910         | **MCMAHUS TEATER                                 | 3.36              | 2.52                 | 2.02             | 4062                | 4510                | 5255                 | 63-0304                          |
| 1-13-1911        | *UNITED STATES OF AMERICA                        | 8000.00           | (ARROWROCK STORAGE)  |                  |                     |                     | 13255                | 63-0303                          |
| 4-1-1914         | RIVERSIDE IRRIG. DIST.                           | 17.70             | 13.28                | 10.62            |                     |                     | 13273                | 63-0300                          |
| 7-9-1914         | **PIONEER DIXIE DITCH CO.                        | 20.90             | 15.68                | 12.54            |                     |                     | 13294                | 63-0374                          |
| 8-18-1924        | UNITED STATES OF AMERICA                         | 300.00            | 225.00               | 180.00           |                     |                     | 13594                | 63-2388                          |
| 6-25-1938        | UNITED STATES OF AMERICA                         | 15000.00          | (ARROWROCK STORAGE)  |                  |                     |                     |                      | 63-3613                          |
| 12-9-1940        | UNITED STATES OF AMERICA                         | 493161.00         | (ANDERSON STORAGE)   |                  |                     |                     |                      | 63-3614                          |
| 4-12-1963        | UNITED STATES OF AMERICA                         | 307000.00         | (LUCKY PEAK STORAGE) |                  |                     |                     |                      | 63-3618                          |

\*\*DELIVERED FROM RETURN FLOW AFTER JULY 15

\* FOR FURTHER INFORMATION SEE TEXT OF THIS REPORT, UNDER HEADING, "DECREE".

## CLASSIFICATION OF RIVER

The Boise River naturally divides itself into three separate and distinct parts. Section 1 includes the part of the river which lies between the Government Diversion Dam and the Caldwell Highline Canal about a mile below the town of Star. Section 2 includes that section which lies between the Caldwell Highline Canal and the Notus Bridge. Section 3 includes that part of the river between the Notus Bridge and the Snake River.

### Section 1

This section is under complete regulation by the watermaster. All water is measured and divided according to the decrees and licenses, which are set by the courts and state law.

### Section 2

All water in this section is measured, but operation is more liberal than in Section 1, due to the return flow, so regulation is somewhat relaxed with very little storage water required.

### Section 3

This section of the river is operated without any regulation what so ever, but it is measured and recorded the same as Sections 1 and 2. The return flow to Section 3 was sufficient to take care of all rights in this section during most of the season, and therefore no regulations were required. In fact, during all the years on record on the distribution of the waters of the Boise River, beginning with 1914, there has been only one year -1931- during which it was necessary to regulate diversions from this section of the river, and during that year it was not necessary to run water past the Notus Bridge to supply the rights below.

## DRAINAGE

As mentioned in the Classification of River section the lower portion of the Boise River diverters depend exclusively upon drainage water to satisfy their water needs. Also, the upper diverters utilize drainage water, but not to the extent the lower users do. From Diversion Dam down stream, there are three active Drainage Districts, No. 2, No. 3 and No. 4. These three Drainage Districts have various court orders dividing up the drainage water (see Chart #6 for the apportioning of this water).

D.D. #2 embraces an area of 29,000 acres situated on the north side of the Boise River, between the City of Boise and the canyon near Caldwell. The major drains that make up D.D. #2 are the Eagle, Hartley, North Middleton, South Middleton Drains and both Hartley Gulch and Willow Creek. Three other drains, that divert into canals within the district, are the Long and Star Feeders, plus the Watts Check.

D.D. #3 is frequently referred to as the "South Boise Drainage District", and is located in the South Boise area. This district, comprising an area of 4,200 acres, has four drainage canals, all emptying into the Boise River. The three major ones in this district are the Ridenbaugh, Booth and Myers Drains.

D.D. #4 is known as the "Thurman Drain", it drains an area of about 2,500 acres and is situated south of the Boise River and opposite the town of Eagle. The District has one drain, the Thurman.

These three Drainage Districts by no means represent the entire Boise River drainage systems. There are several

major drains and many small unmeasured drains that contribute to the return flow supply. See the appendix for the drain discharges that the Boise River Watermaster monitors.

APPENDIX A - DRAIN DISCHARGES

| DRAIN NAME  | DISCHARGE (CFS) |             | PERCENT OF TOTAL |
|-------------|-----------------|-------------|------------------|
|             | BOISE RIVER     | BOISE RIVER |                  |
| BOISE RIVER | 100.0           | 100.0       | 100.0            |
| BOISE RIVER | 100.0           | 100.0       | 100.0            |
| BOISE RIVER | 100.0           | 100.0       | 100.0            |
| BOISE RIVER | 100.0           | 100.0       | 100.0            |
| BOISE RIVER | 100.0           | 100.0       | 100.0            |

THE DRAIN DISCHARGES ARE BASED ON A DRAINAGE AREA OF 100 SQUARE FEET.

THE DRAIN DISCHARGES ARE BASED ON A DRAINAGE AREA OF 100 SQUARE FEET.

APPENDIX B - DRAIN DISCHARGES

| DRAIN NAME  | DISCHARGE (CFS) |             | PERCENT OF TOTAL |
|-------------|-----------------|-------------|------------------|
|             | BOISE RIVER     | BOISE RIVER |                  |
| BOISE RIVER | 100.0           | 100.0       | 100.0            |
| BOISE RIVER | 100.0           | 100.0       | 100.0            |
| BOISE RIVER | 100.0           | 100.0       | 100.0            |

THE DRAIN DISCHARGES ARE BASED ON A DRAINAGE AREA OF 100 SQUARE FEET.

APPENDIX C - DRAIN DISCHARGES

|             |       |
|-------------|-------|
| BOISE RIVER | 100.0 |
| BOISE RIVER | 100.0 |
| BOISE RIVER | 100.0 |

THE DRAIN DISCHARGES ARE BASED ON A DRAINAGE AREA OF 100 SQUARE FEET.

# DISTRIBUTION OF DRAINAGE WATER TO VARIOUS CANALS

CHART NO. 6

## DRAINAGE DISTRICT NO. 2

|                 | PERCENT OF<br>TOTAL |                | PERCENT OF<br>TOTAL |
|-----------------|---------------------|----------------|---------------------|
| FARMERS UNION   | 20.99               | CANYON COUNTY  | 12.68               |
| BOISE VALLEY    | 10.03               | BALLENTYNE     | 3.04                |
| NEW DRY CREEK   | 9.47                | BOISE CITY     | 3.01                |
| NEW UNION       | 1.21                | CONSUMERS      | .11                 |
| MIDDLETON CANAL | 35.00               | LITTLE PIONEER | 4.46                |

THE CREDITS GIVEN ABOVE ARE BASED ON A DRAINAGE FLOW OF 100 SECOND FEET.

JUDGE BRINK ORDERS, AUGUST, 1928, GIVES 90 INCHES ADDITIONAL TO FARMERS UNION.

## DRAINAGE DISTRICT NO. 3

|                            | PERCENT OF<br>TOTAL |            | PERCENT OF<br>TOTAL |
|----------------------------|---------------------|------------|---------------------|
| BOARD OF CONTROL           | 49.00               | ROSSI MILL | 10.00               |
| RIDENBAUGH                 | 24.00               | MEEVES     | 2.00                |
| BUBB ( SOUTH BOISE MUTUAL) | 15.00               |            |                     |

THE CREDITS GIVEN ARE BASED UPON A DRAINAGE DISCHARGE OF 15 SECOND FEET.

## DRAINAGE DISTRICT NO. 4

|                     |               |
|---------------------|---------------|
| THURMAN MILL        | 570.98 INCHES |
| RIDENBAUGH          | 51.34 "       |
| WARM SPRINGS SLOUGH | 127.68 "      |

THE CREDITS ABOVE ARE BASED ON A DRAINAGE DISCHARGE OF 750 INCHES, AND THE AMOUNTS ARE A DIRECT COURT ORDER.

### TRANSFERS

The various water rights on the Boise River, whether they be decree or license, are subject to change. As the rights have new owners or the irrigation practices change, these rights are so modified to fit the new situations. Most changes occur with the filing of a Transfer with the Department of Water Resources; this transfer filing can modify or move the point of diversion, the place of use or change the nature of use of the water within the right. Chart #7 shows all the point of diversion changes that have occurred over the years.

### FLOOD CONTROL

With three dams on the river, flood damage should be held to a minimum. There will still be some damage along the river from erosion until such time as protecting levees can be built in certain places on both banks of the river.

An agreement has been entered into between the Army Corps of Engineers, the Bureau of Reclamation and the water users, whereby Arrowrock, Anderson and Lucky Peak Reservoirs will be used jointly for both irrigation and flood control. It is anticipated with this arrangement, the three reservoirs plus irrigation diversions, will control the more frequent floods of 6,500 C.F.S. or less at Boise. However, although major floods will be regulated to a considerable degree, there is insufficient storage to control these more rare floods to river capacity and some flooding downstream will occur.

TABLE SHOWING CHANGE IN POINT OF DIVERSION OF DECREED RIGHTS ON BOISE RIVER

| NO. OF CHAN. I<br>OF POINT OF<br>DIVERSION | POINT OF DIVERSION |                    | DEPT. OF WATER<br>ADMINISTRATION | PRIORITY<br>NO. | DATE<br>CHANGE | QUANTITY<br>IN CFS. | QUANTITY<br>IN INCHES | BY WHOM<br>TRANSFERRED                          | REMARKS               |
|--------------------------------------------|--------------------|--------------------|----------------------------------|-----------------|----------------|---------------------|-----------------------|-------------------------------------------------|-----------------------|
|                                            | FROM               | TO                 |                                  |                 |                |                     |                       |                                                 |                       |
| 12                                         | SIEBEMERS          | CANYON DITCH       | 63-0138                          | 9               | 6-1-1865       |                     | 25                    | HENRY MEER                                      |                       |
| 29                                         | CALDWELL HIGH LINE | CANYON COUNTY      | 63-0179                          | 46              | 6-1-1869       | 1.00                | 50                    | J. C. HUGHES                                    |                       |
| 32                                         | DAVIS              | DAVIS DITCH        | 63-0122                          | 119             | 6-1-1891       | .54                 | 27                    | DAVIS ESTATE                                    |                       |
| 33                                         | PIONEER DIXIE      | RIVERSIDE          | 63-0136                          | 1               | 9-1-1864       | .72                 | 36                    | REBECCA BELL                                    |                       |
| 35                                         |                    |                    | 63-0137                          | 1               | 6-1-1869       | 1.28                | 64                    |                                                 | FLAKE DITCH           |
| 36                                         | CANYON COUNTY      | MIDDLETON WATER    | 63-0168                          | 35              | 6-1-1867       | .38                 | 19                    | DRAPER, BOOLE, WATT, SURGEON                    |                       |
| 36A                                        | AMERICAN DITCH     | PIONEER DIXIE      | 63-0233                          | 96              | 10-1-1887      | 2.00                | 100                   | C. H. ROSEMERGER                                |                       |
| 38                                         | HART & DAVIS       | SEVEN SUCKERS      | 63-0186                          | 1               | 6-1-1872       | 1.04                | 52                    | SHAFFER, BLAIR, JENNINGS, PARROTT               |                       |
| 39                                         | HART & DAVIS       | SEVEN SUCKERS      | 63-0187                          | 1               | 6-1-1872       |                     |                       | GEORGE RAMBO                                    |                       |
| 47                                         | AMERICAN DITCH     | EUREKA NO. 2       | 63-0233                          | 1               | 6-1-1872       |                     |                       | AMERICAN DITCH ASSN.                            |                       |
| 48                                         | AMERICAN DITCH     | PIONEER DIXIE      | 63-0233                          | 96              | 10-1-1887      | 29.50               | 1475                  | NANCY & WILLIAM NICHOLS, C.W. COOPER            |                       |
| 50                                         | LOWER CENTER POINT | BOWMAN & SWISHER   | 63-0151                          | 96              | 10-1-1887      | 4.10                | 210                   | JOHN SWISHER                                    |                       |
| 51                                         | LOWER CENTER POINT | BOWMAN & SWISHER   | 63-0152                          | 19              | 6-1-1865       | 2.88                | 144                   | BIRD BOWMAN                                     |                       |
| 54                                         | CANYON COUNTY      | MIDDLETON HILL     | 63-0166                          | 20              | 6-1-1865       | 6.40                | 320                   | H. G. DODLEY                                    | FOOTE & WISEMAN       |
| 57                                         | MIDDLETON WATER    | BALLENTHYNE        | 63-0198                          | 35              | 6-1-1867       | 1.11                | 55.5                  | EDWARD MCCLINTOCK                               |                       |
| 59                                         | RENNEDY            | CANYON COUNTY      | 63-0165                          | 55              | 6-1-1877       | .60                 | 30                    | DANIEL W. REANNEDY                              |                       |
| 61                                         | MIDDLETON WATER    | EUREKA NO. 2       | 63-0233                          | 31              | 6-1-1866       | 2.60                | 130                   | MINNIE COLEZENS                                 |                       |
| 62                                         | PIONEER DIXIE      | EUREKA NO. 2       | 63-0233                          | 96              | 10-1-1887      | 1.00                | 50                    | HARRY SEAVY                                     |                       |
| 64                                         | BALLENTHYNE        | NEW DRY CREEK      | 63-0156                          | 102             | 6-1-1888       | .20                 | 10                    | J. D. ROLAND                                    |                       |
| 71                                         | UPPER CENTER POINT | CANYON COUNTY      | 63-0168                          | 24              | 6-1-1865       | .80                 | 40                    | DE TWEEDE, NORTHWESTERN & PACIFIC HYDROELECTRIC |                       |
| 75                                         | MIDDLETON HILL     | SETTLERS           | 63-0237                          | 35              | 6-1-1867       | 1.00                | 50                    | JACOB BINGMAN                                   |                       |
| 76                                         | THURMAN DRAIN      | BAHLER             | 63-0278                          | 1               | 4-1-1865       | .80                 | 40                    | ADOLPH BAHLER                                   |                       |
| 77                                         | BIRD               | SETTLERS           | 63-0279                          | 1               | 4-1-1870       | .80                 | 40                    | LEO MARSTERS                                    |                       |
| 83                                         | WARM SPRINGS DITCH | FARMERS UNION      | 63-0287                          | 854             | 6-1-1882       | .72                 | 36                    | J. C. RALPHS                                    |                       |
| 84                                         | MIDDLETON WATER    | EUREKA NO. 2       | 63-0198                          | 65              | 6-1-1877       | .80                 | 40                    | J. C. BRUCE                                     | NEW DIVERSION POINT   |
| 85                                         | UPPER CENTER POINT | PANNA DITCH        | 63-0156                          | 24              | 6-1-1865       | .50                 | 25                    | CHARLES JARRIES                                 |                       |
| 103                                        |                    |                    | 63-0203                          | 1               | 6-1-1880       | 11.96               | 598                   |                                                 |                       |
| 126                                        | LAWRENCE & KENNEDY | MIDDLETON WATER    | 63-0234                          | 125             | 6-1-1894       |                     |                       | WILLIAM NUSSE                                   |                       |
| 127                                        | BOWMAN & SWISHER   | BAHLER DITCH       | 63-0152                          | 31A             | 6-1-1866       | 2.30                | 115                   | WILLIAM BAXTER                                  |                       |
| 131                                        | EUREKA NO. 2       | LOWER CENTER POINT | 63-0223                          | 20              | 6-1-1865       | .80                 | 40                    | P. E. MCGUIRE                                   |                       |
| 140                                        | BALLENTHYNE        | NEW DRY CREEK      | 63-0260                          | 89              | 11-9-1883      | .70                 | 35                    | CHARLES H. SCHMELZER                            |                       |
| 141                                        | FISCHER POWER      | FISCHER POWER      | 63-0203                          | 850             | 5-1-1883       | .06                 | 3                     | FISCHER POWER ONLY                              |                       |
| 142                                        | MIDDLETON HILL     | CANYON COUNTY      | 63-0203                          | 35              | 12-18-1934     | 200.00              | 10000                 | CORA M. CLIFTON                                 | BELOW FAIRVIEW BRIDGE |
| 147                                        | PIONEER DIXIE      | UPPER CENTER POINT | 63-0233                          | 96              | 1-8-1936       | .20                 | 10                    | DORA GREER                                      |                       |
| 148                                        | NEW DRY CREEK      | BALLENTHYNE        | 63-0238                          | 96              | 10-1-1887      | 3.00                | 150                   | J. H. COLE                                      |                       |
| 151                                        | BAHLER DITCH       | RICHMOND           | 63-0279                          | 1244            | 5-1-1893       | .135                | 6.75                  | ADOLPH BAHLER                                   |                       |
| 152                                        | RENNEDY-BAHLER     | RICHMOND           | 63-0278                          | 472             | 4-1-1870       | .80                 | 40                    | ADOLPH BAHLER                                   |                       |
| 153                                        | BAHLER DITCH       | RICHMOND           | 63-0278                          | 127             | 5-1-1893       | 1.00                | 50                    | ADOLPH BAHLER                                   |                       |
| 154                                        | UPPER CENTER POINT | EUREKA NO. 2       | 63-0233                          | 84              | 4-1-1865       | .80                 | 40                    | ADOLPH BAHLER                                   |                       |
| 155                                        | BALLENTHYNE        | NEW DRY CREEK      | 63-0233                          | 24              | 6-1-1865       | .10                 | 5                     | RAYMOND T. BRESHAWS                             |                       |
| 161                                        | EUREKA NO. 2       | PIONEER DIXIE      | 63-0233                          | 103             | 6-1-1888       | .65                 | 32.5                  | STIMAN L. BARNER                                |                       |
| 166                                        | EUREKA NO. 2       | PIONEER DIXIE      | 63-0233                          | 96              | 10-1-1887      | .60                 | 30                    | D. W. BALDWIN                                   |                       |
| 171                                        | EUREKA NO. 2       | EUREKA NO. 2       | 63-0233                          | 1               | 11-9-1883      | 21.70               | 1085                  | RAYMOND T. BRESHAWS                             | NEW DIVERSION POINT   |
|                                            |                    |                    | 63-0233                          | 1               | 10-1-1887      | 29.50               | 1475                  |                                                 |                       |
|                                            |                    |                    | 63-0156                          | 1               | 6-1-1865       | 1.40                | 65                    |                                                 |                       |

ABLE SHOWING CHANGE IN POINT OF DIVERSION OF RECEIVED RIGHTS ON NOTICE DIVID

| NO.  | POINT OF DIVERSION |                    | DEPT. OF WATER ADMINISTRATION                                                                                                          | PRIORITY NO.                                                                                 | DATE                                                                                                                                                        | DATE OF CHANGE | QUANTITY IN CFS. | QUANTITY IN INCHES | REMARKS                            |
|------|--------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|--------------------|------------------------------------|
|      | FROM               | TO                 |                                                                                                                                        |                                                                                              |                                                                                                                                                             |                |                  |                    |                                    |
| 172  | UPPER CENTER POINT | UPPER CENTER POINT | 163-0155<br>163-0156<br>163-0157<br>163-0158<br>163-0159<br>163-0233<br>63-0239<br>63-0222<br>63-0202<br>63-0132<br>63-0133<br>63-0223 | 1 23<br>1 24<br>1 25<br>1 26<br>1 27<br>1 96<br>1 103<br>1 88<br>1 70<br>1 5<br>1 52<br>1 96 | 6-1-1865<br>6-1-1865<br>6-1-1865<br>6-1-1865<br>6-1-1865<br>10-1-1887<br>6-1-1888<br>6-1-1883<br>6-1-1878<br>6-1-1864<br>6-1-1871<br>11-9-1883<br>10-1-1887 | 2-26-1943      | 12.72            | 6360               | NEW DIVERSION POINT<br>HARRY VAIL  |
| 174  | BAILEY CREEK       | NEW DIV. CREEK     | 63-0276                                                                                                                                | 114                                                                                          | 5-1-1889                                                                                                                                                    | 3-28-1944      | 3.00             | 150                | FRANK M. RAY                       |
| 175  | RIVERSIDE          | EUREKA No. 2       | 63-0222                                                                                                                                | 88                                                                                           | 6-1-1883                                                                                                                                                    | 4-11-1944      | .24              | 12                 | WILBUR BRESHADES                   |
| 176  | MADISON DITCH      | HAAS DITCH         | 63-0202                                                                                                                                | 70                                                                                           | 6-1-1878                                                                                                                                                    | 4-18-1944      | 1.70             | 85                 | CHARLOTTE D. ALLEN                 |
| 179  | MACE CASTLE        | SEVEN SUCKERS      | 63-0132                                                                                                                                | 1 5                                                                                          | 6-1-1864                                                                                                                                                    | 3-31-1945      | 8.80             | 440                | EDMUND FISH & GAME DEPT.           |
| 224  | EUREKA No. 2       | BOYMAN & SWANER    | 63-0133<br>63-0223                                                                                                                     | 1 52<br>1 96                                                                                 | 6-1-1871<br>11-9-1883<br>10-1-1887                                                                                                                          | 9-3-1934       | .168<br>.072     | 8.4<br>3.6         | J. E. HOUSTON                      |
| 227  | O'DONNELL          | BOISE RIVER        | 63-0276                                                                                                                                | 114                                                                                          | 5-1-1889                                                                                                                                                    | 12-17-1934     | .20              | 10                 | A. C. CHAMORTH                     |
| 243  | BOISE RIVER        | BOISE VALLEY       | 63-2360                                                                                                                                | 114                                                                                          | 7-19-1921                                                                                                                                                   | 6-30-1938      | 1.60             | 80                 | MARIE ECHAVARRIA & I. N. KESSINGER |
| 245  | EUREKA No. 2       | LOWER CENTER POINT | 63-0223                                                                                                                                | 89                                                                                           | 11-9-1883                                                                                                                                                   | 6-30-1938      | 1.20             | 50                 | (FORMERLY DIVERTED FROM A SLOUGH)  |
| 254  | BOISE CREEK        | MORIS CREEK        | 63-2036                                                                                                                                | 1148                                                                                         | 5-1-1906                                                                                                                                                    | 12-20-1961     | .60              | 30                 | J. E. ENBERG                       |
| 257  | O'DONNELL          | PANMA DITCH        | 63-0271                                                                                                                                | 1148                                                                                         | 5-1-1889                                                                                                                                                    | 10-10-1962     | 4.00             | 200                | HARVEY BURNETT                     |
| 287  | EUREKA No. 2       | LOWER CENTER POINT | 63-0223                                                                                                                                | 89                                                                                           | 11-9-1883                                                                                                                                                   | 1-18-1966      | .80              | 40                 | BERT L. TREHAY                     |
| 289  | EUREKA No. 2       | UPPER CENTER POINT | 63-0223                                                                                                                                | 89                                                                                           | 11-9-1883                                                                                                                                                   | 3-18-1966      | 1.40             | 70                 | JOHN E. ENBERG                     |
| 305  | MEVES No. 1        | MEVES No. 2        | 63-0185                                                                                                                                | 53                                                                                           | 6-1-1871                                                                                                                                                    | 6-10-1968      | .50              | 25                 | EARL GILES                         |
| 1575 | LAWRENCE & REMONDY | LITTLE PIONEER     | 63-0001                                                                                                                                | 31C                                                                                          | 6-1-1866                                                                                                                                                    | 9-23-1968      | 1.80             | 90                 | CHARLES LITTLE                     |
| 1647 | THURMAN HILL       | BOISE RIVER        | 63-0273                                                                                                                                | 80                                                                                           | 6-1-1882                                                                                                                                                    | 12-2-1970      | 1.10             | 55                 | MILTON SPARKS                      |
| 1647 | ELIMINATION        | SETTLERS           | 63-0192 (1902)                                                                                                                         | 67                                                                                           | 5-1-1878                                                                                                                                                    | 7-3-1975       | 1.60             | 80                 | CLARENCE T. LARSON                 |
|      |                    |                    |                                                                                                                                        |                                                                                              |                                                                                                                                                             |                | .40              | 20                 | CICIL A. THOMAS                    |

## TRANSFERS OF DECREED RIGHTS ON BOISE RIVER

| NO. OF<br>TRANSFER | POINT OF DIVERSION       |                          | DEPT. OF WATER<br>ADMINISTRATION | PRIORITY |           | DATE OF<br>TRANSFER | QUANTITY<br>IN CFS | QUANTITY<br>IN INCHES | BY WHOM<br>TRANSFERRED      | REMARKS                                            |
|--------------------|--------------------------|--------------------------|----------------------------------|----------|-----------|---------------------|--------------------|-----------------------|-----------------------------|----------------------------------------------------|
|                    | FROM                     | TO                       |                                  | NO.      | DATE      |                     |                    |                       |                             |                                                    |
| 38                 | AMERICAN DITCH ASSN.     | CANYON DITCH             | 63-0233                          | 96       | 10-1-1887 | 9-1-1909            | 12.10              | 605                   | WM. H. MESSLER              |                                                    |
| 46                 | BARBER LUMBER CO.        | PENITENTIARY             | 63-0184                          | 30       | 6-1-1870  | 2-4-1910            | 2.24               | 112                   | BARBER LUMBER CO.           |                                                    |
| 105                | SIERENBERG               | CANYON DITCH             | 63-0138                          | 9        | 6-1-1865  | 9-18-1912           | .50                | 25                    | H. E. MEER                  |                                                    |
| 111                | EUREKA NO. 2             | HILLCREST                | 63-0233                          | 96       | 10-1-1887 | 11-25-1912          | 1.20               | 60                    | H. L. RANDALL ET AL         |                                                    |
|                    | PIONEER DIXIE            | "                        | 63-0136                          | 8        | 9-1-1864  |                     | 20.34              | 1017                  |                             |                                                    |
|                    | "                        | "                        | 63-0137                          | 45       | 6-1-1869  |                     |                    |                       |                             |                                                    |
| 136                | JACOBS                   | FARMERS UNION            | 63-0123                          | 2        | 6-1-1864  | 6-8-1914            | 20.00              | 1000                  | BOISE FRUIT TRACT CO.       |                                                    |
| 219                | PIONEER IRRIGATION DIST. | PIONEER IRRIGATION DIST. |                                  |          |           | 7-15-1918           | 8.64               | 432                   | PIONEER IRRIGATION DISTRICT | LICENSED RIGHT INDIAN CREEK                        |
| 300                | MIDDLETON MILL           | NEW DRY CREEK            | 63-0124                          | 3        | 6-1-1864  | 4-20-1921           | .35                | 17.5                  | EMMA M. FOWLER              |                                                    |
|                    |                          |                          | 63-0125                          | 54       | 6-1-1871  |                     |                    |                       |                             |                                                    |
|                    |                          |                          | 63-0126                          | 120      | 6-1-1891  |                     |                    |                       |                             |                                                    |
| 301                | MIDDLETON MILL           | NEW DRY CREEK            | 63-0124                          | 3        | 6-1-1864  | 4-20-1921           | 1.54               | 77                    | JOHN F. GROOME              |                                                    |
|                    |                          |                          | 63-0125                          | 54       | 6-1-1871  |                     |                    |                       |                             |                                                    |
|                    |                          |                          | 63-0126                          | 120      | 6-1-1891  |                     |                    |                       |                             |                                                    |
| 347                | MIDDLETON MILL           | SETTLERS                 | 63-0124                          | 3        | 6-1-1864  | 2-6-1925            | .14                | 7                     | C. E. WHITE                 |                                                    |
| 349                | MIDDLETON MILL           | SETTLERS                 | 63-0124                          | 3        | 6-1-1864  | 2-6-1925            | .14                | 7                     | FRANK MEASEL                |                                                    |
| 350                | MIDDLETON MILL           | SETTLERS                 | 63-0124                          | 3        | 6-1-1864  | 2-6-1925            | .14                | 7                     | CARL A. GISH                |                                                    |
| 357                | MIDDLETON WATER          | SETTLERS                 | 63-0198                          | 65       | 6-1-1877  | 5-5-1925            | .20                | 10                    | NELLIE B. WHITAKER          |                                                    |
| 370                | BOISE CITY               | FARMERS UNION            | 63-0165                          | 33       | 6-1-1866  | 3-16-1926           | 1.125              | 56.2                  | HENRY W. BARTLETT           |                                                    |
| 373                | BOISE CITY               | FARMERS UNION            | 63-0165                          | 33       | 6-1-1866  | 4-26-1926           | .375               | 18.7                  | L. A. RICE                  |                                                    |
| 374                | MIDDLETON WATER          | FARMERS UNION            | 63-0198                          | 65       | 6-1-1877  | 5-6-1926            | .40                | 20                    | H. D. PARKS                 |                                                    |
| 375                | MIDDLETON WATER          | FARMERS UNION            | 63-0198                          | 65       | 6-1-1877  | 5-6-1926            | .20                | 10                    | A. G. WING                  |                                                    |
| 384                | MIDDLETON WATER          | FARMERS UNION            | 63-0198                          | 65       | 6-1-1877  | 7-8-1926            | .40                | 20                    | MARY F. LEACH               |                                                    |
| 385                | MIDDLETON WATER          | FARMERS UNION            | 63-0198                          | 65       | 6-1-1877  | 7-8-1926            | .266               | 13.3                  | H. E. MCCONNELL             |                                                    |
| 386                | MIDDLETON WATER          | FARMERS UNION            | 63-0198                          | 65       | 6-1-1877  | 7-8-1926            | .40                | 20                    | H. W. BARTLETT              |                                                    |
| 387                | MIDDLETON WATER          | FARMERS UNION            | 63-0198                          | 65       | 6-1-1877  | 7-8-1926            | .40                | 20                    | E. E. SMITH                 |                                                    |
| 391                | MIDDLETON MILL           | FARMERS UNION            | 63-0124                          | 3        | 6-1-1864  | 8-13-1926           | .15                | 7.5                   | RUSH CHASE                  |                                                    |
|                    |                          |                          | 63-0125                          | 54       | 6-1-1871  |                     |                    |                       |                             |                                                    |
| 392                | MIDDLETON WATER          | RIDENBAUGH               | 63-0198                          | 65       | 6-1-1877  | 8-21-1926           | .40                | 20                    | FRED EGGERS                 |                                                    |
| 393                | MIDDLETON MILL           | FARMERS UNION            | 63-0124                          | 3        | 6-1-1864  | 9-15-1926           | .288               | 14.4                  | A. C. BOWERMAN              |                                                    |
|                    |                          |                          | 63-0125                          | 54       | 6-1-1871  |                     |                    |                       |                             |                                                    |
|                    |                          |                          | 63-0126                          | 120      | 6-1-1891  |                     |                    |                       |                             |                                                    |
| 395                | MIDDLETON WATER          | FARMERS UNION            | 63-0198                          | 65       | 6-1-1877  | 11-16-1926          | .50                | 25                    | G. R. MCGUIRE               |                                                    |
| 412                | THURMAN MILL             | SETTLERS                 | 63-0214                          | 81       | 6-1-1882  | 12-3-1927           | .40                | 20                    | CHAS. P. MACE               |                                                    |
| 430                | FARMERS UNION            | SETTLERS                 | 63-0198                          | 65       | 6-1-1877  | 7-2-1928            | .25                | 12.5                  | O. E. ALLISON               |                                                    |
| 456                | RIDENBAUGH               | NEW YORK                 | 63-0200                          | 106      | 8-20-1888 | 7-6-1929            | 8.90               | 445                   | W. H. TULLER                | FORMERLY MIDDLETON WATER                           |
| 512                | JACOBS CANAL             | FARMERS UNION            | 63-0120                          | 1        | 6-1-1864  | 5-27-1932           | 1.00               | 50                    | W. SCOTT ANDERSON           |                                                    |
| 513                | JACOBS CANAL             | FARMERS UNION            | 63-0120                          | 1        | 6-1-1864  | 5-27-1932           | .50                | 25                    | FARMERS UNION DITCH         |                                                    |
| 530                | JACOBS CANAL             | FARMERS UNION            | 63-0120                          | 1        | 6-1-1864  | 5-15-1934           | .30                | 15                    | A. B. WHITNEY               |                                                    |
| 595                | JACOBS CANAL             | NAMPA MERIDIAN           | 63-0120                          | 1        | 6-1-1864  | 9-9-1938            | .20                | 10                    | BOISE TRUST CO.             | SOMERHEIR<br>FALK                                  |
|                    | "                        | SETTLERS                 |                                  |          |           |                     | .20                | 10                    |                             |                                                    |
| 608                | RIVERSIDE                | PIONEER DIXIE            | 63-0222                          | 88       | 6-1-1883  | 4-29-1940           | 1.00               | 50                    | W. F. TRACY                 |                                                    |
| 644                | RIVERSIDE                | PIONEER DIXIE            | 63-0222                          | 88       | 6-1-1883  | 12-9-1942           | .70                | 35                    | S. E. SMITH                 |                                                    |
| 654                | CONSUMERS                | SETTLERS                 | 63-0161                          | 30       | 5-1-1866  | 10-18-1943          | 2.00               | 100                   | W. W. HOWELL                |                                                    |
| 660                | RIVERSIDE                | PIONEER DIXIE            | 63-0222                          | 88       | 6-1-1883  | 4-11-1944           | .60                | 30                    | D. W. BALDWIN               | LARSON-HAMMING-BUDGE TRACTS                        |
| 694                | CONSUMERS                | SETTLERS                 | 63-0161                          | 30       | 5-1-1866  | 4-29-1946           | .68                | 34                    | W. W. HOWELL                |                                                    |
| 701                | CONSUMERS                | NEW YORK                 | 63-0161                          | 30       | 5-1-1866  | 12-20-1946          | 2.00               | 100                   | W. W. HOWELL                | EARL-FEWKES-STARK-RYLE                             |
| 707                | CONSUMERS                | SETTLERS                 | 63-0161                          | 30       | 5-1-1866  | 12-20-1946          | .60                | 30                    | W. W. HOWELL                | REX JENSEN (BOISE-KUNA IRRIG.)                     |
| 712                | CONSUMERS                | SETTLERS                 | 63-0161                          | 30       | 5-1-1866  | 6-14-1947           | .90                | 45                    | W. W. HOWELL                | MRS. EDITH CURTIS                                  |
| 713                | CONSUMERS                | NEW DRY CREEK            | 63-0161                          | 30       | 5-1-1866  | 6-14-1947           | .54                | 27                    | W. W. HOWELL                | SIMPSON-DEMOND-SIMPSON                             |
| 717                | SIERENBERG               | FARMERS CO-OP.           | 63-0138                          | 9        | 6-1-1865  | 11-25-1947          | .64                | 32                    | W. W. HOWELL                | J. S. REEBE                                        |
| 770                | CONSUMERS                | SETTLERS                 | 63-0161                          | 30       | 5-1-1866  | 5-4-1948            | 1.34               | 67                    | R. H. TUCKER                |                                                    |
|                    |                          |                          |                                  |          |           |                     |                    |                       | W. W. HOWELL                | DOTY-ERQUIAGA-ODERNOTT-<br>CALDWELL-STEELE-ROYLANC |

| NO. OF<br>TRANSFER | POINT OF DIVERSION<br>FROM TO |                   | DEPT. OF WATER<br>ADMINISTRATION | PRIORITY<br>NO. | DATE      | DATE OF<br>TRANSFER | QUANTITY<br>IN CFS. | QUANTITY<br>IN INCHES | BY WHOM<br>TRANSFERRED | REMARKS                          |
|--------------------|-------------------------------|-------------------|----------------------------------|-----------------|-----------|---------------------|---------------------|-----------------------|------------------------|----------------------------------|
| 736                | THURMAN HILL                  | SETTLERS          | 63-0170                          | 37              | 6-1-1868  | 3-9-1949            | 1.00                | 50                    | AIRCRAFT SERVICE CO.   |                                  |
| 737                | CONSUMERS                     | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 3-9-1949            | 1.10                | 55                    | W. W. HOWELL           |                                  |
| 739                | CONSUMERS                     | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 4-2-1949            | .15                 | 7.5                   | W. W. HOWELL           |                                  |
| 733                | CONSUMERS                     | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 4-14-1950           | .46                 | 23                    | J. R. FIELD            | BH HAGER TRACT, 15" KIMBLE TRACT |
| 734                | CONSUMERS                     | MIDDLETON HILL    | 63-0161                          | 30              | 5-1-1866  | 4-14-1950           | .40                 | 20                    | J. R. FIELD            | BRINK TRACT                      |
| 790                | HILLCREST                     | NEW YORK          | ( 63-0136                        | ( 8             | 9-1-1864  | 3-28-1952           | 21.54               | 1077                  | FOREST SOMER           |                                  |
|                    |                               |                   | ( 63-0137                        | ( 45            | 6-1-1869  |                     |                     |                       |                        |                                  |
|                    |                               |                   | ( 63-0233                        | ( 96            | 10-1-1887 |                     |                     |                       |                        |                                  |
| 823                | CONSUMERS                     | NEW YORK          | 63-0161                          | 30              | 5-1-1866  | 7-13-1954           | 6.00                | 300                   | G. S. TAYLOR           | BOISE-KUNA IRRIGATION DIST.      |
| 829                | CONSUMERS                     | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 9-3-1954            | .48                 | 24                    | G. S. TAYLOR           | 10"-GOLDEN KENT, 14"-EDMUND BUCK |
| 871                | THURMAN HILL                  | SETTLERS          | 63-0169                          | 36              | 6-1-1868  | 10-2-1956           | .288                | 14.4                  | J. FRANK BRYCE         |                                  |
| 872                | THURMAN HILL                  | SETTLERS          | 63-0169                          | 36              | 6-1-1868  | 10-2-1956           | .22                 | 11                    | GEORGE D. KEYSER, JR.  |                                  |
| 873                | CONSUMERS                     | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 10-2-1956           | .20                 | 10                    | G. S. TAYLOR           | THEODORE L. JOHNSON TRACT        |
| 890                | CONSUMERS                     | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 7-11-1957           | .10                 | 5                     | FRANCIS H. NEITZEL     | R. S. POTTER TRACT               |
| 906                | CONSUMERS                     | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 4-3-1958            | .10                 | 5                     | FRANK NEITZEL          | R. W. WHITE TRACT                |
| 917                | CONSUMERS                     | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 12-15-1958          | .20                 | 10                    | FRANCIS H. NEITZEL     | MAW-SPRAGUE TRACT                |
| 918                | CONSUMERS                     | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 12-15-1958          | .025                | 1.25                  | FRANCIS H. NEITZEL     | H. P. IRBY TRACT                 |
| 940                | CONSUMERS                     | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 2-15-1960           | .05                 | 2.5                   | FRANK NEITZEL          | EARL M. & DELLA LUKEHART TRACT   |
| 976                | CONSUMERS                     | NEW YORK          | 63-0161                          | 30              | 5-1-1866  | 1-17-1962           | 1.50                | 75                    | G. S. TAYLOR           | SYMS FRUIT RANCH, INC.           |
| 977                | CONSUMERS                     | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 1-17-1962           | .20                 | 10                    | G. S. TAYLOR           | EVERET RAMBO TRACT               |
| 979                | CONSUMERS                     | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 2-23-1962           | .10                 | 5                     | G. S. TAYLOR           | R. E. & DAISY M. THOMPSON TRACT  |
| 980                | CONSUMERS                     | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 2-23-1962           | .12                 | 6                     | G. S. TAYLOR           | CHESNEY LITTLE TRACT             |
| 989                | CONSUMERS                     | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 5-29-1962           | .20                 | 10                    | G. S. TAYLOR           | THERION E. CHRISTENSEN TRACT     |
| 990                | CONSUMERS                     | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 7-5-1962            | .08                 | 4                     | G. S. TAYLOR           | LYLE F. TRAPP TRACT              |
| 991                | CONSUMERS                     | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 7-5-1962            | .16                 | 8                     | G. S. TAYLOR           | CHARLES G. HYDE TRACT            |
| 1007               | CONSUMERS                     | NEW YORK          | 63-0161                          | 30              | 5-1-1866  | 4-17-1963           | 1.00                | 50                    | G. S. TAYLOR           | GLENN DRAPER                     |
| 1009               | NEW DRY CREEK                 | DRAIN DITCH       | 63-0280                          | 73-A            | 4-1-1880  | 5-16-1963           | .10                 | 5                     | NEW DRY CREEK          | R. B. BETTY                      |
| 1010               | CONSUMERS                     | NEW YORK          | 63-0161                          | 30              | 5-1-1866  | 6-24-1963           | 2.00                | 100                   | G. S. TAYLOR           | JOHN DOBSON                      |
| 1011               | CONSUMERS                     | RIVER             | 63-0161                          | 30              | 5-1-1866  | 6-3-1963            | 3.00                | 150                   | G. S. TAYLOR           | SURPRISE VALLEY FARMS            |
| 1017               | CONSUMERS                     | NEW YORK          | 63-0161                          | 30              | 5-1-1866  | 9-28-1963           | .60                 | 30                    | G. S. TAYLOR           | FRANCIS HERMAN TRACT             |
| 1035               | CONSUMERS                     | MORES CREEK       | 63-0161                          | 30              | 5-1-1866  | 9-4-1964            | 2.00                | 100                   | G. S. TAYLOR           | CARL NICHOLSON                   |
| 1038               | CONSUMERS                     | PHYLLIS           | 63-0161                          | 30              | 5-1-1866  | 10-28-1964          | 21.715              | 1085.75               | G. S. TAYLOR           | PIONEER IRRIGATION DIST.         |
| 1048               | BOISE CITY                    | FARMERS UNION     | 63-0165                          | 33              | 6-1-1866  | 5-18-1965           | .0875               | 4.38                  | BOISE CITY CANAL       | LEATHERMAN & BINGMAN             |
| 1059               | BOISE CITY                    | FARMERS UNION     | 63-0165                          | 33              | 6-1-1866  | 10-28-1965          | .10                 | 5                     | BOISE CITY CANAL       | M. T. & HATTIE M. SPRINGER       |
| 1074               | MORES CREEK                   | NEW YORK          | 63-0161                          | 30              | 5-1-1866  | 10-13-1966          | 2.00                | 100                   | CARL NICHOLSON         | AVALLON ORCHARD TRACTS           |
| 1855               | HANVILLE & LEONARD            | FARMERS UNION     | 63-0164B                         | 32              | 6-1-1866  | 11-17-1975          | 1.80                | 90.0                  | SYRINGA GARDENS        |                                  |
| 2996               | WARM SPRINGS DITCH            | MACE MACE         | 63-0216                          | 116             | 6-1-1889  | 8-5-1984            | .80                 | 40.0                  | L.C. MACE              |                                  |
| 3326               | GRAHAM GILBERT DITCH          | BOISE RIVER       | 63-0144                          | 12              | 6-1-1865  | 8-13-1987           | 2.37                | 118.5                 | JON WROTEN             |                                  |
| 3373               | THURMAN HILL                  | BOISE WATER CORP. | 63-0169                          | 36              | 6-1-1868  | 12-02-1987          | .814                | 40.7                  | BOISE WATER CORP.      | TO RANNEY COLLECTORS             |
| 3559               | BOISE CITY CANAL              | BOISE WATER CORP. | 63-0165                          | 33              | 6-1-1866  | 10-12-1988          | 2.025               | 101.25                | BOISE CITY CANAL       | TO RANNEY COLLECTORS             |

| NO. OF<br>TRANSFER | POINT OF DIVERSION    |                   | DEPT. OF WATER<br>ADMINISTRATION | PRIORITY<br>NO. | DATE      | DATE OF<br>TRANSFER | QUANTITY<br>IN CFS | QUANTITY<br>IN INCHES | BY WHOM<br>TRANSFERRED | REMARKS                                      |
|--------------------|-----------------------|-------------------|----------------------------------|-----------------|-----------|---------------------|--------------------|-----------------------|------------------------|----------------------------------------------|
|                    | FROM                  | TO                |                                  |                 |           |                     |                    |                       |                        |                                              |
| 736                | THURMAN HILL          | SETTLERS          | 63-0170                          | 37              | 6-1-1868  | 3-9-1949            | 1.00               | 50                    | AIRCRAFT SERVICE CO.   |                                              |
| 737                | CONSUMERS             | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 3-9-1949            | 1.10               | 55                    | W. W. HOWELL           |                                              |
| 739                | CONSUMERS             | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 4-2-1949            | .15                | 7.5                   | W. W. HOWELL           |                                              |
| 753                | CONSUMERS             | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 4-14-1950           | .46                | 23                    | J. R. FIELD            | B" HAGER TRACT, 15" KIMBLE TRACT             |
| 754                | CONSUMERS             | MIDDLETON MILL    | 63-0161                          | 30              | 5-1-1866  | 4-14-1950           | .40                | 20                    | J. R. FIELD            | BRINK TRACT                                  |
| 790                | HILLCREST             | NEW YORK          | 63-0136                          | 18              | 9-1-1864  | 3-28-1952           | 21.54              | 1077                  | FOREST SOWER           |                                              |
|                    |                       |                   | 63-0137                          | 145             | 6-1-1869  |                     |                    |                       |                        |                                              |
|                    |                       |                   | 63-0233                          | 196             | 10-1-1887 |                     |                    |                       |                        |                                              |
| 823                | CONSUMERS             | NEW YORK          | 63-0161                          | 30              | 5-1-1866  | 7-13-1954           | 6.00               | 300                   | G. S. TAYLOR           | BOISE-KUNA IRRIGATION DIST.                  |
| 829                | CONSUMERS             | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 9-3-1954            | .48                | 24                    | G. S. TAYLOR           | 10"-GOLDEN KENT, 14"-EDMUND BUCH             |
| 871                | THURMAN HILL          | SETTLERS          | 63-0169                          | 36              | 6-1-1868  | 10-2-1956           | .288               | 14.4                  | J. FRANK BRYCE         |                                              |
| 872                | THURMAN HILL          | SETTLERS          | 63-0169                          | 36              | 6-1-1868  | 10-2-1956           | .22                | 11                    | GEORGE D. KEYSER, JR.  |                                              |
| 873                | CONSUMERS             | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 10-2-1956           | .20                | 10                    | G. S. TAYLOR           | THEODORE L. JOHNSON TRACT                    |
| 890                | CONSUMERS             | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 7-11-1957           | .10                | 5                     | FRANCIS H. NEITZEL     | R. S. POTTER TRACT                           |
| 906                | CONSUMERS             | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 4-3-1958            | .10                | 5                     | FRANK NEITZEL          | R. W. WHITE TRACT                            |
| 917                | CONSUMERS             | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 12-15-1958          | .20                | 10                    | FRANCIS H. NEITZEL     | MAW-SPRAGUE TRACT                            |
| 918                | CONSUMERS             | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 12-15-1958          | .025               | 1.25                  | FRANCIS H. NEITZEL     | H. P. IRBY TRACT                             |
| 940                | CONSUMERS             | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 2-15-1960           | .05                | 2.5                   | FRANK NEITZEL          | EARL M. & DELLA LUKEHART TRACT               |
| 976                | CONSUMERS             | NEW YORK          | 63-0161                          | 30              | 5-1-1866  | 1-17-1962           | 1.50               | 75                    | G. S. TAYLOR           | SYMMES FRUIT RANCH, INC.                     |
| 977                | CONSUMERS             | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 1-17-1962           | .20                | 10                    | G. S. TAYLOR           | EVERET RAMBO TRACT                           |
| 979                | CONSUMERS             | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 2-23-1962           | .10                | 5                     | G. S. TAYLOR           | R. E. & DAISY M. THOMPSON TRACT              |
| 980                | CONSUMERS             | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 2-23-1962           | .12                | 6                     | G. S. TAYLOR           | CHESNEY LITTLE TRACT                         |
| 989                | CONSUMERS             | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 5-29-1962           | .20                | 10                    | G. S. TAYLOR           | THELION E. CHRISTENSEN TRACT                 |
| 990                | CONSUMERS             | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 7-5-1962            | .08                | 4                     | G. S. TAYLOR           | LYLE F. TRAPP TRACT                          |
| 991                | CONSUMERS             | SETTLERS          | 63-0161                          | 30              | 5-1-1866  | 7-5-1962            | .16                | 8                     | G. S. TAYLOR           | CHARLES G. HYDE TRACT                        |
| 1007               | CONSUMERS             | NEW YORK          | 63-0161                          | 30              | 5-1-1866  | 4-17-1963           | 1.00               | 50                    | G. S. TAYLOR           | GLENN DRAPER                                 |
| 1009               | NEW DRY CREEK         | DRAIN DITCH       | 63-0288                          | 73-A            | 4-1-1880  | 5-16-1963           | .10                | 5                     | NEW DRY CREEK          | R. B. BETTY                                  |
| 1010               | CONSUMERS             | NEW YORK          | 63-0161                          | 30              | 5-1-1866  | 6-24-1963           | 2.00               | 100                   | G. S. TAYLOR           | JOHN DOBSON                                  |
| 1011               | CONSUMERS             | RIVER             | 63-0161                          | 30              | 5-1-1866  | 6-3-1963            | 3.00               | 150                   | G. S. TAYLOR           | SURPRISE VALLEY FARMS                        |
| 1017               | CONSUMERS             | NEW YORK          | 63-0161                          | 30              | 5-1-1866  | 9-28-1963           | .60                | 30                    | G. S. TAYLOR           | FRANCIS HERMAN TRACT                         |
| 1035               | CONSUMERS             | MORES CREEK       | 63-0161                          | 30              | 5-1-1866  | 9-4-1964            | 2.00               | 100                   | G. S. TAYLOR           | CARL NICHOLSON                               |
| 1038               | CONSUMERS             | PHYLLIS           | 63-0161                          | 30              | 5-1-1866  | 10-28-1964          | .0075              | 1085.75               | G. S. TAYLOR           | PIONEER IRRIGATION DIST.                     |
| 1048               | BOISE CITY            | FARMERS UNION     | 63-0165                          | 33              | 6-1-1866  | 5-18-1965           | .10                | 4.38                  | BOISE CITY CANAL       | LEATHERMAN & BINGMAN                         |
| 1059               | BOISE CITY            | FARMERS UNION     | 63-0165                          | 33              | 6-1-1866  | 10-28-1965          | .10                | 5                     | BOISE CITY CANAL       | W. T. & HATTIE M. SPRINGER                   |
| 1074               | MORES CREEK           | NEW YORK          | 63-0161                          | 30              | 5-1-1866  | 10-13-1966          | 2.00               | 100                   | CARL NICHOLSON         | AVALON ORCHARD TRACTS                        |
| 1855               | MANVILLE & LEONARD    | FARMERS UNION     | 63-0164B                         | 32              | 6-1-1866  | 11-17-1975          | 1.00               | 90.0                  | SYRINGA GARDENS        |                                              |
| 2996               | WARM SPRINGS DITCH    | MACE MACE         | 63-0216                          | 116             | 6-1-1889  | 8-5-1984            | .80                | 40.0                  | L.C. MACE              |                                              |
| 3326               | GRAHAM GILBERTY DITCH | BOISE RIVER       | 63-0144                          | 12              | 6-1-1865  | 8-13-1987           | 2.37               | 118.5                 | JON WROTEN             |                                              |
| 3373               | THURMAN HILL          | BOISE WATER CORP. | 63-0169                          | 36              | 6-1-1868  | 12-02-1987          | .814               | 40.7                  | BOISE WATER CORP.      |                                              |
| 3559               | BOISE CITY CANAL      | BOISE WATER CORP. | 63-0165                          | 33              | 6-1-1866  | 10-12-1988          | 2.025              | 101.25                | BOISE CITY CANAL       | TO RANNEY COLLECTORS<br>TO RANNEY COLLECTORS |

### CANAL REGULATION

The first canal diversions occurred on April 1st, and continued until October 31st of this year. As mentioned, this was again a very poor water year with only 1.0 million acre feet of water being produced. There was a very good rain that arrived in June and helped prolong the natural flow and also contributed to the storage system. The summer and fall temperatures were up with very little late summer or early fall rain. Several of the major canals were out of water by early September and had to shut off. There was some crop damage to the high consumptive use crops because of this early turn-off. Diversions continued into late October for those few canals that still had some natural flow and storage water left.

The appendix shows the diversions in downstream order, with daily flows in C.F.S. and monthly and yearly totals of both C.F.S. and Acre Feet.

### STORAGE WATER

The first storage water used in the system started on the 26th of April 1991, and continued in varying amounts until the 30th of September 1991. As of the 31st of October 1991, which ends the 1991 irrigation year, there was 32,299 Ac. Ft. left in carryover in Anderson Ranch Reservoir, 13 Ac. Ft. in Arrowrock Reservoir carryover and 27,061 Ac. Ft. in the Lucky Peak Reservoir carryover account. The total in the 1991 carryover storage accounts at the end of the irrigation season was 59,373 Ac. Ft. the lowest in the history of the reservoir system.

Chart #8 shows the amount of storage that each of the storage holders are entitled to from the three reservoirs and Charts #9 and #10 are the 1991 storage accounts of the various space holders.

The storage for 1991 was figured using a computerized water right and storage accounting program. The appendix shows the preliminary gaging station and reservoir data used in the accounting program. This data is subject to some later revision, but was the best available at the time the program was run.

#### MISCELLANEOUS

Chart #11 is general information on the number of acres that are under each canal. These acres represent the best available information at this time, due to the age of the information caution should be used in its use.

CHART 8. 1990 BOISE RIVER RESERVOIR SPACE BY USER. (ACRE-FEET)

| NUMBER   | USER               | ARROWROCK | ANDERSON | LUCKY PEAK | TOTAL    |
|----------|--------------------|-----------|----------|------------|----------|
| 13201050 | LUCKY PEAK NURSERY | 200.0     | 0.0      | 0.0        | 200.0    |
| 13201990 | FISH & GAME FLOW   | 0.0       | 0.0      | 50000.0    | 50000.0  |
| 13201991 | USBR FLOW          | 0.0       | 0.0      | 102300.0   | 102300.0 |
| 13203000 | NEW YORK           | 254571.0  | 359662.0 | 0.0        | 614233.0 |
| 13203760 | RIDENBAUGH         | 3832.0    | 15137.0  | 35000.0    | 53969.0  |
| 13204005 | BUBB               | 0.0       | 543.0    | 500.0      | 1043.0   |
| 13204060 | ROSSI MILL         | 0.0       | 0.0      | 700.0      | 700.0    |
| 13204190 | BOISE CITY         | 0.0       | 0.0      | 1000.0     | 1000.0   |
| 13205515 | SETTLERS           | 2878.0    | 6082.0   | 10000.0    | 18960.0  |
| 13205517 | DAVIS              | 0.0       | 0.0      | 1500.0     | 1500.0   |
| 13205622 | THURMAN MILL       | 0.0       | 0.0      | 800.0      | 800.0    |
| 13205638 | BOISE WATER CORP   | 0.0       | 1000.0   | 0.0        | 1000.0   |
| 13205640 | FARMERS UNION      | 2874.0    | 5727.0   | 10000.0    | 18601.0  |
| 13205641 | BOISE VALLEY       | 0.0       | 961.0    | 2500.0     | 3461.0   |
| 13205643 | CAPITOL VIEW       | 0.0       | 460.0    | 300.0      | 760.0    |
| 13206090 | NEW DRY CREEK      | 0.0       | 1296.0   | 3000.0     | 4296.0   |
| 13206092 | NEW UNION          | 0.0       | 0.0      | 1400.0     | 1400.0   |
| 13206265 | BALLENTYNE         | 0.0       | 376.0    | 1300.0     | 1676.0   |
| 13208710 | MIDDLETON          | 0.0       | 0.0      | 11000.0    | 11000.0  |
| 13209480 | PHYLLIS            | 21018.0   | 25582.0  | 16000.0    | 62600.0  |
| 13209482 | EUREKA #1          | 0.0       | 0.0      | 2800.0     | 2800.0   |
| 13209630 | LITTLE PIONEER     | 0.0       | 2174.0   | 500.0      | 2674.0   |
| 13209990 | CANYON COUNTY      | 0.0       | 0.0      | 6000.0     | 6000.0   |
| 13210992 | SEBREE             | 1227.0    | 0.0      | 0.0        | 1227.0   |
| 99999050 | ANDERSON DAM POWER | 0.0       | 4200.0   | 0.0        | 4200.0   |
| 99999100 | EAGLE IS CANALS    | 0.0       | 0.0      | 7650.0     | 7650.0   |
|          | TOTAL              | 286600.0  | 423200.0 | 264250.0   | 974050.0 |

CHART 9. 1991 BOISE RIVER RESERVOIR STORAGE ACCOUNTS. (ACRE-FEET)

| NUMBER   | USER               | ARROWROCK *-----ANDERSON RANCH-----* |           |          | *-----LUCKY PEAK-----* |           |          | SUBTOTAL | TRANSFERS | WTR BANK | TOTAL    |
|----------|--------------------|--------------------------------------|-----------|----------|------------------------|-----------|----------|----------|-----------|----------|----------|
|          |                    | STORAGE                              | CARRYOVER | NEW FILL | STORAGE                | CARRYOVER | NEW FILL |          |           |          |          |
| 13201050 | LUCKY PEAK NURSERY | 200.0                                | 0.0       | 0.0      | 0.0                    | 0.0       | 0.0      | 200.0    | 0.0       | 0.0      | 200.0    |
| 13201990 | FISH & GAME FLOW   | 0.0                                  | 0.0       | 0.0      | 0.0                    | 2243.0    | 3738.9   | 5981.9   | 5981.9    | 0.0      | 5981.9   |
| 13201991 | USBR FLOW          | 0.0                                  | 0.0       | 0.0      | 0.0                    | 3659.0    | 7649.9   | 11308.9  | 11308.9   | 0.0      | 11308.9  |
| 13203000 | NEW YORK           | 254571.0                             | 160754.8  | 22996.0  | 183750.8               | 0.0       | 0.0      | 438321.8 | -23771.3  | 1125.0   | 415675.5 |
| 13203760 | RIDENBAUGH         | 3832.0                               | 0.0       | 967.8    | 967.8                  | 0.0       | 2617.3   | 2617.3   | 7417.1    | 24771.3  | 0.0      |
| 13204005 | BUBB               | 0.0                                  | 0.0       | 34.7     | 34.7                   | 397.5     | 37.4     | 434.9    | 469.6     | 0.0      | 469.6    |
| 13204060 | ROSSI MILL         | 0.0                                  | 0.0       | 0.0      | 0.0                    | 689.5     | 10.5     | 700.0    | 700.0     | 0.0      | 500.0    |
| 13204190 | BOISE CITY         | 0.0                                  | 0.0       | 0.0      | 0.0                    | 425.4     | 74.8     | 500.2    | 500.2     | 0.0      | 500.2    |
| 13205515 | SETTLERS           | 2878.0                               | 0.0       | 388.9    | 388.9                  | 6007.3    | 747.8    | 6755.1   | 10022.0   | 0.0      | 10022.0  |
| 13205517 | DAVIS              | 0.0                                  | 0.0       | 0.0      | 0.0                    | 1117.0    | 112.2    | 1229.2   | 1229.2    | 0.0      | 1229.2   |
| 13205622 | THURMAN MILL       | 0.0                                  | 0.0       | 0.0      | 0.0                    | 788.0     | 12.0     | 800.0    | 800.0     | 0.0      | 600.0    |
| 13205638 | BOISE WATER CORP   | 0.0                                  | 401.0     | 63.9     | 464.9                  | 0.0       | 0.0      | 464.9    | 0.0       | -200.0   | 464.9    |
| 13205640 | FARMERS UNION      | 2874.0                               | 0.0       | 366.2    | 366.2                  | 652.6     | 747.8    | 1400.4   | 4640.6    | 760.0    | 1639.2   |
| 13205641 | BOISE VALLEY       | 0.0                                  | 0.0       | 61.4     | 61.4                   | 108.6     | 186.9    | 295.5    | 357.0     | 0.0      | 357.0    |
| 13205643 | CAPITOL VIEW       | 0.0                                  | 460.0     | 0.0      | 460.0                  | 295.5     | 4.5      | 300.0    | 760.0     | -760.0   | 0.0      |
| 13206090 | NEW DRY CREEK      | 0.0                                  | 848.8     | 82.9     | 931.7                  | 2955.2    | 44.8     | 3000.0   | 3931.7    | 0.0      | 3931.7   |
| 13206092 | NEW UNION          | 0.0                                  | 0.0       | 0.0      | 0.0                    | 889.3     | 104.7    | 994.0    | 994.0     | 0.0      | 994.0    |
| 13206265 | BALLENTYNE         | 0.0                                  | 0.0       | 24.0     | 24.0                   | 956.4     | 97.2     | 1053.6   | 1077.7    | 0.0      | 1077.7   |
| 13208710 | MIDDLETON          | 0.0                                  | 0.0       | 0.0      | 0.0                    | 9311.4    | 822.6    | 10134.0  | 10134.0   | 0.0      | 8996.8   |
| 13209480 | PHYLLIS            | 21018.0                              | 0.0       | 1635.7   | 1635.7                 | 5115.5    | 1196.5   | 6312.0   | 28965.6   | 0.0      | 28965.6  |
| 13209482 | EUREKA #1          | 0.0                                  | 0.0       | 0.0      | 0.0                    | 1605.3    | 209.4    | 1814.7   | 1814.7    | 0.0      | 1814.7   |
| 13209630 | LITTLE PIONEER     | 0.0                                  | 1330.9    | 139.0    | 1469.9                 | 492.5     | 7.5      | 500.0    | 1969.9    | 0.0      | 1969.9   |
| 13209990 | CANYON COUNTY      | 0.0                                  | 0.0       | 0.0      | 0.0                    | 3506.4    | 448.7    | 3955.1   | 3955.1    | 0.0      | 3955.1   |
| 13210992 | SEBREE             | 1227.0                               | 0.0       | 0.0      | 0.0                    | 0.0       | 0.0      | 0.0      | 1227.0    | 0.0      | 0.0      |
| 99999050 | ANDERSON DAM POWER | 0.0                                  | 118.0     | 268.5    | 386.5                  | 0.0       | 0.0      | 0.0      | 0.0       | -1227.0  | 0.0      |
| 99999100 | EAGLE IS CANALS    | 0.0                                  | 0.0       | 0.0      | 0.0                    | 2459.7    | 572.1    | 3031.8   | 3031.8    | 0.0      | 386.5    |
| TOTAL    |                    | 286600.0                             | 163913.5  | 27029.1  | 190942.6               | 43675.1   | 19443.3  | 63118.4  | 540661.0  | 0.0      | 0.0      |
|          |                    |                                      |           |          |                        |           |          |          |           |          | 540661.0 |

CHART 10. 1991 BOISE RIVER RESERVOIR STORAGE ACCOUNTS - OCTOBER 31. (ACRE-FEET)

| NUMBER   | USER               | BEGINNING<br>STORAGE | STORAGE<br>USED | BALANCE<br>OCT 31 | UNUSED<br>TRANSFERS | UNUSED<br>BANK | EXCESS<br>USED | ARROWROCK<br>UNUSED | ANDERSON<br>CARRYOVER | LUCKY PEAK<br>CARRYOVER |
|----------|--------------------|----------------------|-----------------|-------------------|---------------------|----------------|----------------|---------------------|-----------------------|-------------------------|
| 13201050 | LUCKY PEAK NURSERY | 200.0                | 186.5           | 13.5              | 0.0                 | 0.0            | 0.0            | 13.5                | 0.0                   | 0.0                     |
| 13201990 | FISH & GAME FLOW   | 5981.9               | 903.0           | 5078.9            | 0.0                 | 0.0            | 0.0            | 0.0                 | 0.0                   | 5078.9                  |
| 13201991 | USBR FLOW          | 11308.9              | 1035.0          | 10273.9           | 0.0                 | 0.0            | 0.0            | 0.0                 | 0.0                   | 10273.9                 |
| 13203000 | NEW YORK           | 415675.5             | 384334.1        | 31341.4           | 0.0                 | 0.0            | 0.0            | 0.0                 | 31341.4               | 0.0                     |
| 13203760 | RIDENBAUGH         | 32188.4              | 32188.4         | 0.0               | 0.0                 | 0.0            | 0.0            | 0.0                 | 0.0                   | 0.0                     |
| 13204005 | BUBB               | 469.6                | 342.6           | 127.0             | 0.0                 | 0.0            | 0.0            | 0.0                 | 0.0                   | 127.0                   |
| 13204060 | ROSSI MILL         | 500.0                | 0.0             | 500.0             | 0.0                 | 0.0            | 0.0            | 0.0                 | 0.0                   | 500.0                   |
| 13204190 | BOISE CITY         | 500.2                | 263.5           | 236.7             | 0.0                 | 0.0            | 0.0            | 0.0                 | 0.0                   | 236.7                   |
| 13205515 | SETTLERS           | 10022.0              | 9665.4          | 356.6             | 0.0                 | 0.0            | 0.0            | 0.0                 | 0.0                   | 356.6                   |
| 13205517 | DAVIS              | 1229.2               | 613.6           | 615.6             | 0.0                 | 0.0            | 0.0            | 0.0                 | 0.0                   | 615.6                   |
| 13205622 | THURMAN MILL       | 600.0                | 90.5            | 509.5             | 0.0                 | 0.0            | 0.0            | 0.0                 | 0.0                   | 509.5                   |
| 13205638 | BOISE WATER CORP   | 464.9                | 141.7           | 323.2             | 0.0                 | 0.0            | 0.0            | 0.0                 | 323.2                 | 0.0                     |
| 13205640 | FARMERS UNION      | 7039.8               | 7039.8          | 0.0               | 0.0                 | 0.0            | 0.0            | 0.0                 | 0.0                   | 0.0                     |
| 13205641 | BOISE VALLEY       | 357.0                | 305.3           | 51.7              | 0.0                 | 0.0            | 0.0            | 0.0                 | 0.0                   | 51.7                    |
| 13205643 | CAPITOL VIEW       | 0.0                  | 0.0             | 0.0               | 0.0                 | 0.0            | 0.0            | 0.0                 | 0.0                   | 0.0                     |
| 13206090 | NEW DRY CREEK      | 3931.7               | 1610.3          | 2321.4            | 0.0                 | 0.0            | 0.0            | 0.0                 | 0.0                   | 2321.4                  |
| 13206092 | NEW UNION          | 994.0                | 404.9           | 589.1             | 0.0                 | 0.0            | 0.0            | 0.0                 | 0.0                   | 589.1                   |
| 13206265 | BALLENTYNE         | 1077.7               | 1064.1          | 13.6              | 0.0                 | 0.0            | 0.0            | 0.0                 | 0.0                   | 13.6                    |
| 13208710 | MIDDLETON          | 8996.8               | 7719.9          | 1276.9            | 0.0                 | 0.0            | 0.0            | 0.0                 | 0.0                   | 1276.9                  |
| 13209480 | PHYLLIS            | 28965.6              | 28947.8         | 17.8              | 0.0                 | 0.0            | 0.0            | 0.0                 | 0.0                   | 17.8                    |
| 13209482 | EUREKA #1          | 1814.7               | 790.7           | 1024.0            | 0.0                 | 0.0            | 0.0            | 0.0                 | 0.0                   | 1024.0                  |
| 13209630 | LITTLE PIONEER     | 1969.9               | 1221.3          | 748.6             | 0.0                 | 0.0            | 0.0            | 0.0                 | 248.6                 | 500.0                   |
| 13209990 | CANYON COUNTY      | 3955.1               | 1631.4          | 2323.7            | 0.0                 | 0.0            | 0.0            | 0.0                 | 0.0                   | 2323.7                  |
| 13210992 | SEBREE             | 0.0                  | 0.0             | 0.0               | 0.0                 | 0.0            | 0.0            | 0.0                 | 0.0                   | 0.0                     |
| 99999050 | ANDERSON DAM POWER | 386.5                | 0.0             | 386.5             | 0.0                 | 0.0            | 0.0            | 0.0                 | 386.5                 | 0.0                     |
| 99999100 | EAGLE IS CANALS    | 2031.8               | 787.5           | 1244.3            | 0.0                 | 0.0            | 0.0            | 0.0                 | 0.0                   | 1244.3                  |
| TOTAL    |                    | 540661.0             | 481287.3        | 59373.7           | 0.0                 | 0.0            | 0.0            | 13.5                | 32299.8               | 27060.4                 |

## BOISE VALLEY CANALS AND ACREAGE

CHART NO. 11

|                                  |           |                            |               |
|----------------------------------|-----------|----------------------------|---------------|
| AIKEN .....                      | 236 ACRES | ISLAND HIGH LINE .....     | 945 ACRES     |
| ANDREWS .....                    | 1068 "    | LEMP DITCH .....           | 300 "         |
| BALLENTYNE .....                 | 763 "     | LITTLE PIONEER .....       | 1336 "        |
| BAXTER .....                     | 200 "     | LOWER CENTER POINT.....    | 880 "         |
| BOISE CITY .....                 | 1828 "    | MACE & CATLIN .....        | 536 "         |
| BOISE PROJECT BOARD OF CONTROL   |           | MACE & MACE .....          | 80 "          |
| BIG BEND IRRIG. DIST.....        | 1724 "    | MAMMON .....               | 468 "         |
| BOISE-KUNA IRRIG. DIST.....      | 48,629 "  | MCCONNEL ISLAND .....      | 1600 "        |
| NAMPA & MERIDIAN IRRIG. DIST.... | 40,304 "  | McMANUS & TEATER .....     | 168 "         |
| NEW YORK IRRIG. DIST.....        | 17,728 "  | MIDDLETON MILL .....       | 4400 "        |
| WILDER IRRIG. DIST.....          | 56,535 "  | MIDDLETON WATER.....       | 5180 "        |
| TOTAL - BOARD OF CONTROL.....    | 164,920 " | MISCELLANEOUS .....        | 888 "         |
| BOISE VALLEY .....               | 2729 "    | NEW DRY CREEK .....        | 3059 "        |
| BOONE .....                      | 517 "     | NEW UNION .....            | 688 "         |
| BOWMAN-SWISHER.....              | 424 "     | PARMA DITCH .....          | 602 "         |
| BUGG (SOUTH BOISE MUTUAL).....   | 1057 "    | PENITENTIARY .....         | 321 "         |
| *CALDWELL HIGH LINE.....         | 11,917 "  | PIONEER IRRIG. DIST.....   | 23,974 "      |
| CAMPBELL (CANYON DITCH).....     | 802 "     | PIONEER DIXIE.....         | 3000 "        |
| CANYON COUNTY .....              | 3957 "    | RIDENBAUGH .....           | 26,877 "      |
| CAPITAL VIEW .....               | 600 "     | RIVERSIDE IRRIG. DIST..... | 10,645 "      |
| CONWAY-HAMMING.....              | 259 "     | ROEDEL .....               | 160 "         |
| DAVIS & LITTLE DAVIS .....       | 634 "     | ROSSI MILL .....           | 512 "         |
| EUREKA WATER CO. #1 .....        | 1300 "    | SEBREE.....                | 15,500 "      |
| EUREKA DITCH CO. #2 .....        | 2625 "    | SEVEN SUCKERS .....        | 70 "          |
| FARMERS UNION .....              | 8372 "    | SETTLERS .....             | 12,322 "      |
| GRAHAM-GILBERT .....             | 200 "     | SIEBENBERG .....           | 646 "         |
| HAAS.....                        | 367 "     | THURMAN MILL .....         | 1719 "        |
| HART-DAVIS .....                 | 453 "     | UPPER CENTER POINT.....    | 641 "         |
|                                  |           | WARM SPRINGS DITCH .....   | 454 "         |
|                                  |           | TOTAL .....                | 324,239 ACRES |

## DRAINAGE WATER (NOT DIVERTED FROM BOISE RIVER)

|                                  |                   |
|----------------------------------|-------------------|
| BLACK CANYON IRRIGATION DISTRICT | 6,894 ACRES       |
| CALDWELL IRRIGATION DISTRICT     | 755 "             |
| MORELAND & VIAL (DIXIE DRAIN)    | 640 "             |
|                                  | <hr/> 8,289 ACRES |

GRAND TOTAL ..... 332,528 ACRES

THIS ACREAGE IS BASED, IN SOME INSTANCES, UPON ACTUAL SURVEYS, AND IN OTHER CASES UPON THE ACREAGE AS DETERMINED AT THE TIME OF THE STEWART DECREE, AND IS THE BEST INFORMATION AVAILABLE AT THE PRESENT TIME. IT WAS ORIGINALLY COMPUTED FEBRUARY 14, 1941, BUT HAS BEEN REVISED SEVERAL TIMES, PARTICULARLY TO REDUCE RIVER BOTTOM ACREAGES TO CONFORM TO STEWART DECREE ACREAGES AS DETERMINED BY SPECIAL COMMITTEE, AND TO ACCOMMODATE TRANSFERS FROM ONE CANAL OR USER TO ANOTHER.

RIDENBAUGH REPRESENTS OLD LANDS WITHIN THE NAMPA & MERIDIAN IRRIGATION DISTRICT THAT ARE WATERED BY THE OLD RIDENBAUGH RIGHTS IN THE STEWART DECREE. THE BALANCE OF THE NAMPA & MERIDIAN IRRIGATION DISTRICT LANDS ARE INCLUDED UNDER THE BOARD OF CONTROL.

\*3960 ACRES ARE WATERED WITH LIVE WATER. THE BALANCE OF THE WATER COMES FROM SEVERAL DRAINS.

APPENDIX

# TABLE DRAIN DISCHARGES

| <u>Drain</u>     | <u>Page</u> |
|------------------|-------------|
| Water Tower      | A-5         |
| Gravel Gulch     | A-20        |
| Gravel Drain     | A-21        |
| Gravel Drain (2) | A-4         |
| Gravel Drain     | A-6         |
| Gravel Drain     | A-8         |
| Gravel Drain     | A-10        |
| Gravel Drain     | A-11        |
| Gravel Drain     | A-12        |
| Gravel Drain     | A-13        |
| Gravel Drain     | A-14        |
| Gravel Drain     | A-15        |
| Gravel Drain     | A-16        |
| Gravel Drain     | A-17        |
| Gravel Drain     | A-18        |
| Gravel Drain     | A-19        |
| Gravel Drain     | A-20        |
| Gravel Drain     | A-21        |
| Gravel Drain     | A-22        |
| Gravel Drain     | A-23        |
| Gravel Drain     | A-24        |

DRAINS  
IN ALPHABETICAL ORDER

Drains

|                       | <u>Page</u> |
|-----------------------|-------------|
| Boise Sewer           | A-5         |
| Conway Gulch          | A-20        |
| Dixie Drain           | A-21        |
| Drainage District #3  | A-4         |
| Eagle Drain           | A-6         |
| Five Mile Drain       | A-8         |
| Hartley Drain         | A-18        |
| Hartley Gulch         | A-17        |
| Indian Creek          | A-19        |
| Long Feeder           | A-10        |
| Mason Creek           | A-15        |
| Mason Drain           | A-16        |
| North Middleton Drain | A-12        |
| South Middleton Drain | A-13        |
| Star Feeder           | A-9         |
| Thurman Drain         | A-7         |
| Watts Check           | A-11        |
| Willow Creek          | A-14        |

DRAINS  
IN ALPHABETICAL ORDER

| <u>Drains</u>         | <u>Page</u> |
|-----------------------|-------------|
| Boise Sewer           | A-5         |
| Conway Gulch          | A-20        |
| Dixie Drain           | A-21        |
| Drainage District #3  | A-4         |
| Eagle Drain           | A-6         |
| Five Mile Drain       | A-8         |
| Hartley Drain         | A-18        |
| Hartley Gulch         | A-17        |
| Indian Creek          | A-19        |
| Long Feeder           | A-10        |
| Mason Creek           | A-15        |
| Mason Drain           | A-16        |
| North Middleton Drain | A-12        |
| South Middleton Drain | A-13        |
| Star Feeder           | A-9         |
| Thurman Drain         | A-7         |
| Watts Check           | A-11        |
| Willow Creek          | A-14        |

21-NOV-91

13205617 DRAINAGE DISTRICT #3  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR   | MAY  | JUN  | JUL | AUG   | SEP  | OCT |
|----------------------|-----|-----|-----|-----|-----|-------|------|------|-----|-------|------|-----|
| 1                    | --- | --- | --- | --- | --- | 5.0   | 6.3  | 6.3  | 6.0 | 6.0   | 6.0  | 6.0 |
| 2                    | --- | --- | --- | --- | --- | 5.0   | 6.7  | 6.7  | 6.0 | 6.0   | 6.0  | 6.0 |
| 3                    | --- | --- | --- | --- | --- | 5.0   | 7.0  | 7.0  | 6.0 | 6.0   | 6.0  | 6.0 |
| 4                    | --- | --- | --- | --- | --- | 5.0   | 7.3  | 7.0  | 6.0 | 6.0   | 6.0  | 6.0 |
| 5                    | --- | --- | --- | --- | --- | 5.0   | 7.7  | 7.0  | 6.0 | 6.0   | 6.0  | 6.0 |
| 6                    | --- | --- | --- | --- | --- | 5.0   | 8.0  | 7.0  | 6.0 | 6.0   | 6.0  | 6.0 |
| 7                    | --- | --- | --- | --- | --- | 5.0   | 7.9  | 7.0  | 6.0 | 6.0   | 6.0  | 6.0 |
| 8                    | --- | --- | --- | --- | --- | 5.0   | 7.7  | 7.0  | 6.0 | 6.0   | 6.0  | 6.0 |
| 9                    | --- | --- | --- | --- | --- | 5.0   | 7.6  | 7.0  | 6.0 | 6.0   | 6.0  | 6.0 |
| 10                   | --- | --- | --- | --- | --- | 5.0   | 7.4  | 7.0  | 6.0 | 6.0   | 6.0  | 6.0 |
| 11                   | --- | --- | --- | --- | --- | 5.0   | 7.3  | 7.0  | 6.0 | 6.0   | 6.0  | 6.0 |
| 12                   | --- | --- | --- | --- | --- | 5.0   | 7.1  | 7.0  | 6.0 | 6.0   | 6.0  | 6.0 |
| 13                   | --- | --- | --- | --- | --- | 5.0   | 7.0  | 7.0  | 6.0 | 6.0   | 6.0  | 6.0 |
| 14                   | --- | --- | --- | --- | --- | 5.0   | 7.0  | 7.0  | 6.0 | 6.0   | 6.0  | 6.0 |
| 15                   | --- | --- | --- | --- | --- | 5.0   | 7.0  | 7.0  | 6.0 | 6.0   | 6.0  | 6.0 |
| 16                   | --- | --- | --- | --- | --- | 5.1   | 7.0  | 7.0  | 6.0 | 6.0   | 6.0  | 6.0 |
| 17                   | --- | --- | --- | --- | --- | 5.1   | 7.0  | 7.0  | 6.0 | 6.0   | 6.0  | 6.0 |
| 18                   | --- | --- | --- | --- | --- | 5.2   | 7.0  | 7.0  | 6.0 | 6.0   | 6.0  | 6.0 |
| 19                   | --- | --- | --- | --- | --- | 5.3   | 7.0  | 6.8  | 6.0 | 6.0   | 6.0  | 6.0 |
| 20                   | --- | --- | --- | --- | --- | 5.3   | 7.0  | 6.7  | 6.0 | 6.0   | 6.0  | 6.0 |
| 21                   | --- | --- | --- | --- | --- | 5.4   | 6.7  | 6.5  | 6.0 | 3.0   | 6.0  | 6.0 |
| 22                   | --- | --- | --- | --- | --- | 5.5   | 6.4  | 6.3  | 6.0 | 3.0   | 6.0  | 6.0 |
| 23                   | --- | --- | --- | --- | --- | 5.5   | 6.1  | 6.2  | 6.0 | 3.0   | 6.0  | 6.0 |
| 24                   | --- | --- | --- | --- | --- | 5.6   | 5.9  | 6.0  | 6.0 | 3.0   | 6.0  | 6.0 |
| 25                   | --- | --- | --- | --- | --- | 5.7   | 5.6  | 6.0  | 6.0 | 3.0   | 6.0  | 6.0 |
| 26                   | --- | --- | --- | --- | --- | 5.7   | 5.3  | 6.0  | 6.0 | 3.0   | 6.0  | 6.0 |
| 27                   | --- | --- | --- | --- | --- | 5.8   | 5.0  | 6.0  | 6.0 | 3.0   | 6.0  | 6.0 |
| 28                   | --- | --- | --- | --- | --- | 5.9   | 5.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 |
| 29                   | --- | --- | --- | --- | --- | 5.9   | 5.3  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 |
| 30                   | --- | --- | --- | --- | --- | 6.0   | 5.7  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 |
| 31                   | --- | --- | --- | --- | --- | ---   | 6.0  | ---  | 6.0 | 6.0   | 6.0  | 6.0 |
| TOTAL                |     |     |     |     |     | 158   | 207  | 200  | 186 | 165   | 180  | 186 |
| MEAN                 |     |     |     |     |     | 5.3   | 6.7  | 6.7  | 6.0 | 5.3   | 6.0  | 6.0 |
| MAX                  |     |     |     |     |     | 6.0   | 8.0  | 7.0  | 6.0 | 6.0   | 6.0  | 6.0 |
| MIN                  |     |     |     |     |     | 5.0   | 5.0  | 6.0  | 6.0 | 3.0   | 6.0  | 6.0 |
| AC-FT                |     |     |     |     |     | 313   | 411  | 396  | 369 | 327   | 357  | 369 |
| IRRIGATION YEAR 1991 |     |     |     |     |     | TOTAL | 1282 | MEAN | 4   | AC-FT | 2541 |     |

A-4

7-APR-92

13205642 BOISE SEWER  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN   | FEB  | MAR  | APR  | MAY   | JUN   | JUL  | AUG  | SEP  | OCT  |
|----------------------|-----|-----|-------|------|------|------|-------|-------|------|------|------|------|
| 1                    | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 2                    | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 3                    | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 4                    | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 5                    | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 6                    | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 7                    | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 8                    | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 9                    | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 10                   | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 11                   | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 12                   | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 13                   | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 14                   | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 15                   | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 16                   | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 17                   | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 18                   | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 19                   | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 20                   | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 21                   | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 22                   | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 23                   | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 24                   | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 25                   | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 26                   | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 27                   | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 28                   | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 29                   | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 30                   | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| 31                   | --- | --- | ---   | ---  | ---  | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| TOTAL                |     |     |       |      |      | ---  | 32    | ---   | 35   | 36   | ---  | 31   |
| MEAN                 |     |     |       |      |      | 861  | 995   | 1014  | 1085 | 1104 | 1041 | 949  |
| MAX                  |     |     |       |      |      | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| MIN                  |     |     |       |      |      | 29   | 32    | 34    | 35   | 36   | 35   | 31   |
| AC-FT                |     |     |       |      |      | 1708 | 1974  | 2011  | 2152 | 2189 | 2065 | 1882 |
| IRRIGATION YEAR 1991 |     |     | TOTAL | 7048 | MEAN | 19   | AC-FT | 13980 |      |      |      |      |

A-5

21-NOV-91

13206400 EAGLE DRAIN  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR   | MAY  | JUN  | JUL  | AUG   | SEP   | OCT  |
|----------------------|-----|-----|-----|-----|-----|-------|------|------|------|-------|-------|------|
| 1                    | --- | --- | --- | --- | --- | 16    | 36   | 27   | 33   | 25    | 18    | 26   |
| 2                    | --- | --- | --- | --- | --- | 17    | 37   | 28   | 33   | 25    | 18    | 26   |
| 3                    | --- | --- | --- | --- | --- | 18    | 38   | 28   | 32   | 24    | 18    | 25   |
| 4                    | --- | --- | --- | --- | --- | 19    | 39   | 28   | 31   | 24    | 19    | 25   |
| 5                    | --- | --- | --- | --- | --- | 20    | 40   | 27   | 30   | 24    | 19    | 24   |
| 6                    | --- | --- | --- | --- | --- | 21    | 41   | 26   | 29   | 24    | 20    | 24   |
| 7                    | --- | --- | --- | --- | --- | 22    | 41   | 25   | 28   | 24    | 21    | 23   |
| 8                    | --- | --- | --- | --- | --- | 23    | 40   | 23   | 27   | 24    | 21    | 24   |
| 9                    | --- | --- | --- | --- | --- | 22    | 40   | 22   | 27   | 24    | 22    | 25   |
| 10                   | --- | --- | --- | --- | --- | 22    | 39   | 21   | 28   | 23    | 22    | 26   |
| 11                   | --- | --- | --- | --- | --- | 21    | 39   | 21   | 28   | 23    | 22    | 26   |
| 12                   | --- | --- | --- | --- | --- | 20    | 38   | 22   | 29   | 23    | 23    | 27   |
| 13                   | --- | --- | --- | --- | --- | 19    | 38   | 22   | 30   | 23    | 23    | 28   |
| 14                   | --- | --- | --- | --- | --- | 19    | 41   | 23   | 30   | 23    | 23    | 29   |
| 15                   | --- | --- | --- | --- | --- | 18    | 43   | 23   | 31   | 24    | 24    | 29   |
| 16                   | --- | --- | --- | --- | --- | 21    | 46   | 24   | 31   | 24    | 24    | 30   |
| 17                   | --- | --- | --- | --- | --- | 23    | 49   | 24   | 30   | 24    | 24    | 30   |
| 18                   | --- | --- | --- | --- | --- | 26    | 52   | 24   | 28   | 25    | 24    | 30   |
| 19                   | --- | --- | --- | --- | --- | 28    | 54   | 24   | 27   | 25    | 23    | 30   |
| 20                   | --- | --- | --- | --- | --- | 31    | 57   | 23   | 26   | 25    | 23    | 31   |
| 21                   | --- | --- | --- | --- | --- | 33    | 52   | 23   | 24   | 24    | 22    | 31   |
| 22                   | --- | --- | --- | --- | --- | 36    | 48   | 23   | 23   | 23    | 22    | 30   |
| 23                   | --- | --- | --- | --- | --- | 36    | 43   | 22   | 23   | 23    | 21    | 30   |
| 24                   | --- | --- | --- | --- | --- | 35    | 39   | 22   | 23   | 22    | 21    | 29   |
| 25                   | --- | --- | --- | --- | --- | 35    | 34   | 22   | 24   | 21    | 22    | 29   |
| 26                   | --- | --- | --- | --- | --- | 35    | 30   | 24   | 24   | 20    | 23    | 28   |
| 27                   | --- | --- | --- | --- | --- | 35    | 25   | 26   | 24   | 20    | 24    | 27   |
| 28                   | --- | --- | --- | --- | --- | 34    | 25   | 28   | 25   | 20    | 24    | 27   |
| 29                   | --- | --- | --- | --- | --- | 34    | 26   | 29   | 25   | 19    | 25    | 26   |
| 30                   | --- | --- | --- | --- | --- | 35    | 26   | 31   | 25   | 19    | 26    | 26   |
| 31                   | --- | --- | --- | --- | --- | ---   | 27   | ---  | 25   | 19    | ---   | 25   |
| TOTAL                |     |     |     |     |     | 774   | 1222 | 732  | 853  | 708   | 659   | 845  |
| MEAN                 |     |     |     |     |     | 26    | 39   | 24   | 28   | 23    | 22    | 27   |
| MAX                  |     |     |     |     |     | 36    | 57   | 31   | 33   | 25    | 26    | 31   |
| MIN                  |     |     |     |     |     | 16    | 25   | 21   | 23   | 19    | 18    | 23   |
| AC-FT                |     |     |     |     |     | 1535  | 2424 | 1452 | 1692 | 1405  | 1308  | 1675 |
| IRRIGATION YEAR 1991 |     |     |     |     |     | TOTAL | 5793 | MEAN | 16   | AC-FT | 11490 |      |

9-A

25-FEB-92

13209450 THURMAN DRAIN  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB  | MAR | APR | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  |
|----------------------|-----|-----|-----|------|-----|-----|------|------|------|------|------|------|
| 1                    | --- | --- | --- | ---  | --- | 10  | 17   | 18   | 21   | 19   | 18   | 17   |
| 2                    | --- | --- | --- | ---  | --- | 10  | 18   | 18   | 21   | 19   | 17   | 17   |
| 3                    | --- | --- | --- | ---  | --- | 10  | 18   | 17   | 21   | 19   | 17   | 17   |
| 4                    | --- | --- | --- | ---  | --- | 10  | 19   | 17   | 20   | 18   | 17   | 18   |
| 5                    | --- | --- | --- | ---  | --- | 10  | 19   | 18   | 20   | 18   | 17   | 18   |
| 6                    | --- | --- | --- | ---  | --- | 10  | 20   | 18   | 20   | 18   | 17   | 18   |
| 7                    | --- | --- | --- | ---  | --- | 10  | 19   | 19   | 19   | 18   | 17   | 18   |
| 8                    | --- | --- | --- | ---  | --- | 10  | 19   | 20   | 19   | 18   | 17   | 18   |
| 9                    | --- | --- | --- | ---  | --- | 11  | 18   | 20   | 19   | 18   | 17   | 18   |
| 10                   | --- | --- | --- | ---  | --- | 12  | 17   | 21   | 19   | 18   | 17   | 18   |
| 11                   | --- | --- | --- | ---  | --- | 13  | 16   | 21   | 19   | 18   | 18   | 18   |
| 12                   | --- | --- | --- | ---  | --- | 13  | 16   | 21   | 19   | 18   | 18   | 18   |
| 13                   | --- | --- | --- | ---  | --- | 14  | 15   | 21   | 19   | 18   | 19   | 18   |
| 14                   | --- | --- | --- | ---  | --- | 15  | 16   | 21   | 19   | 18   | 20   | 18   |
| 15                   | --- | --- | --- | ---  | --- | 16  | 18   | 20   | 19   | 19   | 20   | 18   |
| 16                   | --- | --- | --- | ---  | --- | 16  | 19   | 20   | 19   | 19   | 21   | 17   |
| 17                   | --- | --- | --- | ---  | --- | 17  | 20   | 20   | 19   | 19   | 21   | 17   |
| 18                   | --- | --- | --- | ---  | --- | 17  | 21   | 20   | 20   | 20   | 21   | 17   |
| 19                   | --- | --- | --- | ---  | --- | 17  | 23   | 19   | 20   | 20   | 20   | 17   |
| 20                   | --- | --- | --- | ---  | --- | 17  | 24   | 19   | 20   | 20   | 20   | 16   |
| 21                   | --- | --- | --- | ---  | --- | 18  | 23   | 18   | 21   | 20   | 19   | 16   |
| 22                   | --- | --- | --- | ---  | --- | 18  | 23   | 17   | 21   | 20   | 19   | 16   |
| 23                   | --- | --- | --- | ---  | --- | 18  | 22   | 17   | 21   | 20   | 18   | 16   |
| 24                   | --- | --- | --- | ---  | --- | 17  | 22   | 16   | 21   | 20   | 18   | 16   |
| 25                   | --- | --- | --- | ---  | --- | 17  | 21   | 16   | 21   | 20   | 18   | 16   |
| 26                   | --- | --- | --- | ---  | --- | 17  | 21   | 17   | 21   | 20   | 18   | 16   |
| 27                   | --- | --- | --- | ---  | --- | 17  | 20   | 18   | 20   | 20   | 18   | 16   |
| 28                   | --- | --- | --- | ---  | --- | 16  | 20   | 19   | 20   | 20   | 17   | 16   |
| 29                   | --- | --- | --- | ---  | --- | 16  | 20   | 19   | 20   | 20   | 17   | 16   |
| 30                   | --- | --- | --- | ---  | --- | 17  | 19   | 20   | 20   | 19   | 17   | 16   |
| 31                   | --- | --- | --- | ---  | --- | --- | 19   | ---  | 20   | 18   | ---  | 16   |
| TOTAL                |     |     |     |      |     | 429 | 601  | 564  | 617  | 587  | 547  | 527  |
| MEAN                 |     |     |     |      |     | 14  | 19   | 19   | 20   | 19   | 18   | 17   |
| MAX                  |     |     |     |      |     | 18  | 24   | 21   | 21   | 20   | 21   | 18   |
| MIN                  |     |     |     |      |     | 10  | 15   | 16   | 19   | 18   | 17   | 16   |
| AC-FT                |     |     |     |      |     | 850 | 1193 | 1118 | 1224 | 1165 | 1085 | 1044 |
| IRRIGATION YEAR 1991 |     |     |     |      |     |     |      |      |      |      |      |      |
| TOTAL                |     |     |     | 3872 |     |     |      |      |      |      |      |      |
| MEAN                 |     |     |     |      |     | 11  |      |      |      |      |      |      |
| AC-FT                |     |     |     |      |     |     | 7679 |      |      |      |      |      |

A-7

21-NOV-91

13210810 FIVEMILE CREEK  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN   | FEB   | MAR  | APR  | MAY   | JUN   | JUL  | AUG  | SEP  | OCT  |
|----------------------|-----|-----|-------|-------|------|------|-------|-------|------|------|------|------|
| 1                    | --- | --- | ---   | ---   | ---  | 50   | 119   | 146   | 156  | 94   | 89   | 60   |
| 2                    | --- | --- | ---   | ---   | ---  | 52   | 123   | 144   | 165  | 95   | 88   | 60   |
| 3                    | --- | --- | ---   | ---   | ---  | 53   | 128   | 143   | 165  | 97   | 88   | 59   |
| 4                    | --- | --- | ---   | ---   | ---  | 55   | 132   | 142   | 160  | 98   | 88   | 58   |
| 5                    | --- | --- | ---   | ---   | ---  | 56   | 137   | 142   | 156  | 100  | 88   | 58   |
| 6                    | --- | --- | ---   | ---   | ---  | 58   | 141   | 139   | 151  | 101  | 87   | 57   |
| 7                    | --- | --- | ---   | ---   | ---  | 59   | 140   | 137   | 146  | 101  | 87   | 56   |
| 8                    | --- | --- | ---   | ---   | ---  | 61   | 140   | 134   | 142  | 100  | 86   | 55   |
| 9                    | --- | --- | ---   | ---   | ---  | 67   | 139   | 131   | 137  | 98   | 86   | 54   |
| 10                   | --- | --- | ---   | ---   | ---  | 73   | 138   | 129   | 137  | 97   | 85   | 54   |
| 11                   | --- | --- | ---   | ---   | ---  | 79   | 137   | 126   | 136  | 96   | 85   | 53   |
| 12                   | --- | --- | ---   | ---   | ---  | 84   | 137   | 126   | 134  | 94   | 86   | 52   |
| 13                   | --- | --- | ---   | ---   | ---  | 90   | 136   | 124   | 133  | 93   | 87   | 51   |
| 14                   | --- | --- | ---   | ---   | ---  | 96   | 135   | 122   | 132  | 93   | 89   | 51   |
| 15                   | --- | --- | ---   | ---   | ---  | 102  | 134   | 121   | 130  | 94   | 90   | 50   |
| 16                   | --- | --- | ---   | ---   | ---  | 107  | 133   | 119   | 129  | 95   | 91   | 50   |
| 17                   | --- | --- | ---   | ---   | ---  | 112  | 133   | 117   | 129  | 96   | 92   | 50   |
| 18                   | --- | --- | ---   | ---   | ---  | 117  | 132   | 115   | 125  | 97   | 92   | 50   |
| 19                   | --- | --- | ---   | ---   | ---  | 121  | 131   | 115   | 121  | 98   | 89   | 50   |
| 20                   | --- | --- | ---   | ---   | ---  | 126  | 130   | 116   | 117  | 99   | 86   | 50   |
| 21                   | --- | --- | ---   | ---   | ---  | 131  | 133   | 117   | 113  | 99   | 84   | 50   |
| 22                   | --- | --- | ---   | ---   | ---  | 136  | 135   | 119   | 109  | 98   | 81   | 50   |
| 23                   | --- | --- | ---   | ---   | ---  | 132  | 138   | 120   | 105  | 96   | 78   | 50   |
| 24                   | --- | --- | ---   | ---   | ---  | 129  | 141   | 121   | 105  | 95   | 75   | 50   |
| 25                   | --- | --- | ---   | ---   | ---  | 125  | 144   | 122   | 103  | 93   | 75   | 50   |
| 26                   | --- | --- | ---   | ---   | ---  | 121  | 146   | 112   | 101  | 92   | 73   | 50   |
| 27                   | --- | --- | ---   | ---   | ---  | 117  | 149   | 121   | 99   | 90   | 70   | 50   |
| 28                   | --- | --- | ---   | ---   | ---  | 114  | 149   | 130   | 96   | 90   | 68   | 50   |
| 29                   | --- | --- | ---   | ---   | ---  | 110  | 149   | 139   | 94   | 90   | 65   | 50   |
| 30                   | --- | --- | ---   | ---   | ---  | 114  | 148   | 147   | 92   | 89   | 63   | 50   |
| 31                   | --- | --- | ---   | ---   | ---  | ---  | 147   | ---   | 92   | 89   | ---  | 50   |
| TOTAL                |     |     |       |       |      | 2847 | 4253  | 3834  | 3910 | 2954 | 2487 | 1628 |
| MEAN                 |     |     |       |       |      | 95   | 137   | 128   | 126  | 95   | 83   | 53   |
| MAX                  |     |     |       |       |      | 136  | 149   | 147   | 165  | 101  | 92   | 60   |
| MIN                  |     |     |       |       |      | 50   | 119   | 112   | 92   | 89   | 63   | 50   |
| AC-FT                |     |     |       |       |      | 5648 | 8436  | 7605  | 7755 | 5859 | 4933 | 3228 |
| IRRIGATION YEAR 1991 |     |     | TOTAL | 21913 | MEAN | 60   | AC-FT | 43464 |      |      |      |      |

A-8

21-NOV-91

13210826 STAR FEEDER  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN   | FEB   | MAR  | APR  | MAY   | JUN   | JUL  | AUG  | SEP  | OCT  |
|----------------------|-----|-----|-------|-------|------|------|-------|-------|------|------|------|------|
| 1                    | --- | --- | ---   | ---   | ---  | 35   | 48    | 53    | 65   | 55   | 58   | 50   |
| 2                    | --- | --- | ---   | ---   | ---  | 36   | 47    | 53    | 65   | 55   | 59   | 50   |
| 3                    | --- | --- | ---   | ---   | ---  | 37   | 45    | 54    | 65   | 55   | 60   | 51   |
| 4                    | --- | --- | ---   | ---   | ---  | 37   | 43    | 55    | 64   | 55   | 60   | 52   |
| 5                    | --- | --- | ---   | ---   | ---  | 38   | 42    | 55    | 63   | 55   | 58   | 53   |
| 6                    | --- | --- | ---   | ---   | ---  | 39   | 40    | 56    | 63   | 55   | 57   | 53   |
| 7                    | --- | --- | ---   | ---   | ---  | 40   | 41    | 57    | 62   | 55   | 55   | 54   |
| 8                    | --- | --- | ---   | ---   | ---  | 40   | 41    | 58    | 61   | 55   | 53   | 55   |
| 9                    | --- | --- | ---   | ---   | ---  | 41   | 42    | 58    | 60   | 56   | 52   | 55   |
| 10                   | --- | --- | ---   | ---   | ---  | 42   | 43    | 59    | 60   | 56   | 50   | 55   |
| 11                   | --- | --- | ---   | ---   | ---  | 43   | 44    | 60    | 60   | 56   | 50   | 55   |
| 12                   | --- | --- | ---   | ---   | ---  | 44   | 44    | 60    | 60   | 57   | 51   | 55   |
| 13                   | --- | --- | ---   | ---   | ---  | 46   | 45    | 60    | 60   | 57   | 52   | 55   |
| 14                   | --- | --- | ---   | ---   | ---  | 47   | 46    | 60    | 60   | 57   | 53   | 55   |
| 15                   | --- | --- | ---   | ---   | ---  | 48   | 48    | 60    | 60   | 57   | 53   | 55   |
| 16                   | --- | --- | ---   | ---   | ---  | 49   | 49    | 60    | 60   | 56   | 54   | 54   |
| 17                   | --- | --- | ---   | ---   | ---  | 50   | 50    | 60    | 60   | 56   | 55   | 54   |
| 18                   | --- | --- | ---   | ---   | ---  | 50   | 51    | 60    | 61   | 56   | 55   | 53   |
| 19                   | --- | --- | ---   | ---   | ---  | 50   | 53    | 60    | 62   | 55   | 54   | 52   |
| 20                   | --- | --- | ---   | ---   | ---  | 51   | 54    | 61    | 63   | 55   | 53   | 51   |
| 21                   | --- | --- | ---   | ---   | ---  | 51   | 55    | 62    | 63   | 55   | 53   | 51   |
| 22                   | --- | --- | ---   | ---   | ---  | 51   | 54    | 63    | 64   | 55   | 52   | 51   |
| 23                   | --- | --- | ---   | ---   | ---  | 51   | 54    | 63    | 65   | 55   | 51   | 50   |
| 24                   | --- | --- | ---   | ---   | ---  | 51   | 53    | 64    | 65   | 55   | 50   | 50   |
| 25                   | --- | --- | ---   | ---   | ---  | 51   | 52    | 65    | 63   | 55   | 50   | 50   |
| 26                   | --- | --- | ---   | ---   | ---  | 51   | 51    | 65    | 62   | 55   | 50   | 50   |
| 27                   | --- | --- | ---   | ---   | ---  | 50   | 51    | 65    | 60   | 55   | 50   | 50   |
| 28                   | --- | --- | ---   | ---   | ---  | 50   | 50    | 65    | 58   | 55   | 50   | 50   |
| 29                   | --- | --- | ---   | ---   | ---  | 50   | 50    | 65    | 57   | 56   | 50   | 50   |
| 30                   | --- | --- | ---   | ---   | ---  | 50   | 51    | 65    | 55   | 57   | 50   | 50   |
| 31                   | --- | --- | ---   | ---   | ---  | ---  | 52    | ---   | 55   | 58   | ---  | 50   |
| TOTAL                |     |     |       |       |      | 1367 | 1488  | 1800  | 1900 | 1724 | 1598 | 1617 |
| MEAN                 |     |     |       |       |      | 46   | 48    | 60    | 61   | 56   | 53   | 52   |
| MAX                  |     |     |       |       |      | 51   | 55    | 65    | 65   | 58   | 60   | 55   |
| MIN                  |     |     |       |       |      | 35   | 40    | 53    | 55   | 55   | 50   | 50   |
| AC-FT                |     |     |       |       |      | 2712 | 2951  | 3570  | 3769 | 3420 | 3169 | 3208 |
| IRRIGATION YEAR 1991 |     |     | TOTAL | 11494 | MEAN | 31   | AC-FT | 22798 |      |      |      |      |

A-9

21-NOV-91

13210828 LONG FEEDER  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT |
|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1                    | --- | --- | --- | --- | --- | 4.0 | 5.6 | 12  | 12  | 12  | 10  | 10  |
| 2                    | --- | --- | --- | --- | --- | 4.2 | 6.1 | 12  | 12  | 12  | 10  | 10  |
| 3                    | --- | --- | --- | --- | --- | 4.4 | 6.7 | 12  | 12  | 12  | 10  | 10  |
| 4                    | --- | --- | --- | --- | --- | 4.6 | 7.3 | 12  | 12  | 12  | 10  | 10  |
| 5                    | --- | --- | --- | --- | --- | 4.8 | 7.9 | 12  | 12  | 12  | 10  | 10  |
| 6                    | --- | --- | --- | --- | --- | 5.0 | 8.4 | 12  | 12  | 12  | 10  | 10  |
| 7                    | --- | --- | --- | --- | --- | 5.2 | 9.0 | 12  | 12  | 12  | 10  | 10  |
| 8                    | --- | --- | --- | --- | --- | 5.4 | 9.1 | 12  | 12  | 12  | 10  | 10  |
| 9                    | --- | --- | --- | --- | --- | 5.6 | 9.3 | 12  | 12  | 11  | 10  | 10  |
| 10                   | --- | --- | --- | --- | --- | 5.8 | 9.4 | 12  | 12  | 11  | 10  | 10  |
| 11                   | --- | --- | --- | --- | --- | 6.0 | 9.6 | 12  | 12  | 11  | 10  | 10  |
| 12                   | --- | --- | --- | --- | --- | 6.2 | 9.7 | 12  | 12  | 10  | 10  | 10  |
| 13                   | --- | --- | --- | --- | --- | 6.4 | 9.9 | 12  | 12  | 10  | 10  | 10  |
| 14                   | --- | --- | --- | --- | --- | 6.6 | 10  | 12  | 12  | 10  | 10  | 10  |
| 15                   | --- | --- | --- | --- | --- | 6.8 | 11  | 12  | 12  | 10  | 10  | 10  |
| 16                   | --- | --- | --- | --- | --- | 7.0 | 11  | 12  | 12  | 10  | 10  | 0.0 |
| 17                   | --- | --- | --- | --- | --- | 6.9 | 12  | 12  | 12  | 10  | 10  | 0.0 |
| 18                   | --- | --- | --- | --- | --- | 6.7 | 13  | 12  | 12  | 10  | 10  | 0.0 |
| 19                   | --- | --- | --- | --- | --- | 6.6 | 14  | 12  | 12  | 10  | 10  | 0.0 |
| 20                   | --- | --- | --- | --- | --- | 6.4 | 14  | 12  | 12  | 10  | 10  | 0.0 |
| 21                   | --- | --- | --- | --- | --- | 6.3 | 15  | 12  | 12  | 10  | 10  | 0.0 |
| 22                   | --- | --- | --- | --- | --- | 6.1 | 15  | 12  | 12  | 10  | 10  | 0.0 |
| 23                   | --- | --- | --- | --- | --- | 6.0 | 14  | 12  | 12  | 10  | 10  | 0.0 |
| 24                   | --- | --- | --- | --- | --- | 5.9 | 14  | 12  | 12  | 10  | 10  | 0.0 |
| 25                   | --- | --- | --- | --- | --- | 5.7 | 13  | 12  | 12  | 10  | 10  | 0.0 |
| 26                   | --- | --- | --- | --- | --- | 5.6 | 13  | 12  | 12  | 10  | 10  | 0.0 |
| 27                   | --- | --- | --- | --- | --- | 5.4 | 12  | 12  | 12  | 10  | 10  | 0.0 |
| 28                   | --- | --- | --- | --- | --- | 5.3 | 12  | 12  | 12  | 10  | 10  | 0.0 |
| 29                   | --- | --- | --- | --- | --- | 5.1 | 12  | 12  | 12  | 10  | 10  | 0.0 |
| 30                   | --- | --- | --- | --- | --- | 5.0 | 12  | 12  | 12  | 10  | 10  | 0.0 |
| 31                   | --- | --- | --- | --- | --- | --- | 12  | --- | 12  | 10  | 10  | 0.0 |
| TOTAL                |     |     |     |     |     | 171 | 337 | 360 | 372 | 329 | --- | 0.0 |
| MEAN                 |     |     |     |     |     | 5.7 | 11  | 12  | 12  | 11  | 300 | 150 |
| MAX                  |     |     |     |     |     | 7.0 | 15  | 12  | 12  | 12  | 10  | 4.8 |
| MIN                  |     |     |     |     |     | 4.0 | 5.6 | 12  | 12  | 12  | 10  | 10  |
| AC-FT                |     |     |     |     |     | 339 | 668 | 714 | 738 | 653 | 595 | 298 |
| IRRIGATION YEAR 1991 |     |     |     |     |     |     |     |     |     |     |     |     |
| TOTAL                |     |     |     |     |     |     |     |     |     |     |     |     |
| 2019                 |     |     |     |     |     |     |     |     |     |     |     |     |
| MEAN                 |     |     |     |     |     |     |     |     |     |     |     |     |
| 6                    |     |     |     |     |     |     |     |     |     |     |     |     |
| AC-FT                |     |     |     |     |     |     |     |     |     |     |     |     |
| 4004                 |     |     |     |     |     |     |     |     |     |     |     |     |

A-10

21-NOV-91

13210829 WATTS CHECK  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

A-11

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR  | MAY  | JUN | JUL   | AUG  | SEP | OCT |
|----------------------|-----|-----|-----|-----|-----|------|------|-----|-------|------|-----|-----|
| 1                    | --- | --- | --- | --- | --- | 0.0  | 16   | 17  | 12    | 12   | 12  | 10  |
| 2                    | --- | --- | --- | --- | --- | 0.0  | 16   | 16  | 12    | 12   | 12  | 10  |
| 3                    | --- | --- | --- | --- | --- | 0.0  | 17   | 16  | 12    | 12   | 12  | 10  |
| 4                    | --- | --- | --- | --- | --- | 0.0  | 17   | 15  | 12    | 12   | 12  | 10  |
| 5                    | --- | --- | --- | --- | --- | 0.0  | 18   | 15  | 12    | 12   | 12  | 10  |
| 6                    | --- | --- | --- | --- | --- | 0.0  | 18   | 15  | 12    | 12   | 12  | 10  |
| 7                    | --- | --- | --- | --- | --- | 0.0  | 19   | 14  | 12    | 12   | 12  | 10  |
| 8                    | --- | --- | --- | --- | --- | 0.0  | 19   | 14  | 12    | 12   | 12  | 10  |
| 9                    | --- | --- | --- | --- | --- | 0.0  | 19   | 14  | 12    | 12   | 12  | 10  |
| 10                   | --- | --- | --- | --- | --- | 1.6  | 19   | 13  | 12    | 12   | 12  | 10  |
| 11                   | --- | --- | --- | --- | --- | 3.1  | 19   | 13  | 12    | 12   | 12  | 10  |
| 12                   | --- | --- | --- | --- | --- | 4.7  | 19   | 12  | 12    | 12   | 12  | 10  |
| 13                   | --- | --- | --- | --- | --- | 6.3  | 19   | 12  | 12    | 12   | 11  | 10  |
| 14                   | --- | --- | --- | --- | --- | 7.9  | 19   | 12  | 12    | 12   | 11  | 10  |
| 15                   | --- | --- | --- | --- | --- | 9.4  | 19   | 12  | 12    | 12   | 11  | 10  |
| 16                   | --- | --- | --- | --- | --- | 11   | 19   | 12  | 12    | 12   | 10  | 0.0 |
| 17                   | --- | --- | --- | --- | --- | 11   | 19   | 12  | 12    | 12   | 10  | 0.0 |
| 18                   | --- | --- | --- | --- | --- | 12   | 20   | 12  | 12    | 12   | 10  | 0.0 |
| 19                   | --- | --- | --- | --- | --- | 12   | 20   | 12  | 12    | 12   | 10  | 0.0 |
| 20                   | --- | --- | --- | --- | --- | 12   | 20   | 12  | 12    | 12   | 10  | 0.0 |
| 21                   | --- | --- | --- | --- | --- | 12   | 20   | 12  | 12    | 12   | 10  | 0.0 |
| 22                   | --- | --- | --- | --- | --- | 13   | 20   | 12  | 12    | 12   | 10  | 0.0 |
| 23                   | --- | --- | --- | --- | --- | 13   | 20   | 12  | 12    | 12   | 10  | 0.0 |
| 24                   | --- | --- | --- | --- | --- | 13   | 20   | 12  | 12    | 12   | 10  | 0.0 |
| 25                   | --- | --- | --- | --- | --- | 14   | 19   | 12  | 12    | 12   | 10  | 0.0 |
| 26                   | --- | --- | --- | --- | --- | 14   | 19   | 12  | 12    | 12   | 10  | 0.0 |
| 27                   | --- | --- | --- | --- | --- | 14   | 19   | 12  | 12    | 12   | 10  | 0.0 |
| 28                   | --- | --- | --- | --- | --- | 14   | 19   | 12  | 12    | 12   | 10  | 0.0 |
| 29                   | --- | --- | --- | --- | --- | 15   | 19   | 12  | 12    | 12   | 10  | 0.0 |
| 30                   | --- | --- | --- | --- | --- | 15   | 18   | 12  | 12    | 12   | 10  | 0.0 |
| 31                   | --- | --- | --- | --- | --- | ---  | 18   | --- | 12    | 12   | --- | 0.0 |
| TOTAL                |     |     |     |     |     | 228  | 582  | 390 | 372   | 372  | 327 | 150 |
| MEAN                 |     |     |     |     |     | 7.6  | 19   | 13  | 12    | 12   | 11  | 4.8 |
| MAX                  |     |     |     |     |     | 15   | 20   | 17  | 12    | 12   | 12  | 10  |
| MIN                  |     |     |     |     |     | 0.0  | 16   | 12  | 12    | 12   | 10  | 0.0 |
| AC-FT                |     |     |     |     |     | 452  | 1154 | 774 | 738   | 738  | 649 | 298 |
| IRRIGATION YEAR 1991 |     |     |     |     |     |      |      |     |       |      |     |     |
| TOTAL                |     |     |     |     |     | 2421 | MEAN | 7   | AC-FT | 4802 |     |     |

21-NOV-91

13210824 NORTH MIDDLETON DRAIN  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV   | DEC  | JAN  | FEB | MAR   | APR   | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  |
|----------------------|-------|------|------|-----|-------|-------|------|------|------|------|------|------|
| 1                    | ---   | ---  | ---  | --- | ---   | 30    | 42   | 40   | 44   | 35   | 34   | 37   |
| 2                    | ---   | ---  | ---  | --- | ---   | 31    | 43   | 41   | 45   | 34   | 35   | 37   |
| 3                    | ---   | ---  | ---  | --- | ---   | 32    | 44   | 42   | 45   | 34   | 35   | 38   |
| 4                    | ---   | ---  | ---  | --- | ---   | 33    | 46   | 43   | 44   | 33   | 35   | 39   |
| 5                    | ---   | ---  | ---  | --- | ---   | 34    | 47   | 43   | 43   | 32   | 34   | 39   |
| 6                    | ---   | ---  | ---  | --- | ---   | 35    | 48   | 44   | 42   | 31   | 34   | 40   |
| 7                    | ---   | ---  | ---  | --- | ---   | 36    | 49   | 44   | 41   | 31   | 33   | 41   |
| 8                    | ---   | ---  | ---  | --- | ---   | 37    | 48   | 45   | 40   | 32   | 32   | 40   |
| 9                    | ---   | ---  | ---  | --- | ---   | 38    | 46   | 45   | 39   | 34   | 32   | 40   |
| 10                   | ---   | ---  | ---  | --- | ---   | 39    | 45   | 46   | 39   | 35   | 31   | 39   |
| 11                   | ---   | ---  | ---  | --- | ---   | 40    | 44   | 46   | 40   | 36   | 31   | 38   |
| 12                   | ---   | ---  | ---  | --- | ---   | 41    | 43   | 46   | 40   | 38   | 31   | 37   |
| 13                   | ---   | ---  | ---  | --- | ---   | 43    | 41   | 44   | 41   | 39   | 32   | 37   |
| 14                   | ---   | ---  | ---  | --- | ---   | 44    | 40   | 43   | 41   | 39   | 32   | 36   |
| 15                   | ---   | ---  | ---  | --- | ---   | 45    | 41   | 41   | 42   | 39   | 32   | 35   |
| 16                   | ---   | ---  | ---  | --- | ---   | 46    | 42   | 39   | 42   | 38   | 33   | 35   |
| 17                   | ---   | ---  | ---  | --- | ---   | 44    | 43   | 38   | 42   | 38   | 33   | 34   |
| 18                   | ---   | ---  | ---  | --- | ---   | 43    | 44   | 36   | 40   | 37   | 33   | 34   |
| 19                   | ---   | ---  | ---  | --- | ---   | 41    | 45   | 36   | 39   | 37   | 33   | 34   |
| 20                   | ---   | ---  | ---  | --- | ---   | 40    | 46   | 37   | 37   | 36   | 34   | 34   |
| 21                   | ---   | ---  | ---  | --- | ---   | 38    | 47   | 38   | 35   | 36   | 34   | 33   |
| 22                   | ---   | ---  | ---  | --- | ---   | 37    | 46   | 39   | 34   | 35   | 34   | 33   |
| 23                   | ---   | ---  | ---  | --- | ---   | 35    | 44   | 39   | 32   | 35   | 35   | 33   |
| 24                   | ---   | ---  | ---  | --- | ---   | 36    | 43   | 40   | 32   | 34   | 35   | 33   |
| 25                   | ---   | ---  | ---  | --- | ---   | 37    | 41   | 41   | 33   | 33   | 35   | 33   |
| 26                   | ---   | ---  | ---  | --- | ---   | 38    | 40   | 41   | 33   | 33   | 35   | 33   |
| 27                   | ---   | ---  | ---  | --- | ---   | 38    | 38   | 42   | 34   | 32   | 36   | 33   |
| 28                   | ---   | ---  | ---  | --- | ---   | 39    | 37   | 42   | 35   | 32   | 36   | 33   |
| 29                   | ---   | ---  | ---  | --- | ---   | 40    | 37   | 43   | 35   | 33   | 36   | 33   |
| 30                   | ---   | ---  | ---  | --- | ---   | 41    | 38   | 44   | 36   | 33   | 37   | 33   |
| 31                   | ---   | ---  | ---  | --- | ---   | ---   | 39   | ---  | 36   | 34   | ---  | 33   |
| TOTAL                |       |      |      |     |       | 1151  | 1337 | 1246 | 1200 | 1075 | 1012 | 1106 |
| MEAN                 |       |      |      |     |       | 38    | 43   | 42   | 39   | 35   | 34   | 36   |
| MAX                  |       |      |      |     |       | 46    | 49   | 46   | 45   | 39   | 37   | 41   |
| MIN                  |       |      |      |     |       | 30    | 37   | 36   | 32   | 31   | 31   | 33   |
| AC-FT                |       |      |      |     |       | 2283  | 2652 | 2471 | 2380 | 2132 | 2006 | 2194 |
| IRRIGATION YEAR 1991 | TOTAL | 8126 | MEAN | 22  | AC-FT | 16118 |      |      |      |      |      |      |

A-12

21-NOV-91

13210831 SOUTH MIDDLETON DRAIN  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN   | FEB   | MAR  | APR  | MAY   | JUN   | JUL  | AUG  | SEP  | OCT  |
|----------------------|-----|-----|-------|-------|------|------|-------|-------|------|------|------|------|
| 1                    | --- | --- | ---   | ---   | ---  | 30   | 79    | 91    | 105  | 86   | 83   | 75   |
| 2                    | --- | --- | ---   | ---   | ---  | 30   | 80    | 93    | 109  | 86   | 83   | 75   |
| 3                    | --- | --- | ---   | ---   | ---  | 29   | 80    | 95    | 109  | 87   | 82   | 74   |
| 4                    | --- | --- | ---   | ---   | ---  | 29   | 80    | 97    | 106  | 87   | 82   | 73   |
| 5                    | --- | --- | ---   | ---   | ---  | 29   | 80    | 97    | 104  | 88   | 82   | 73   |
| 6                    | --- | --- | ---   | ---   | ---  | 28   | 81    | 96    | 101  | 88   | 81   | 72   |
| 7                    | --- | --- | ---   | ---   | ---  | 28   | 81    | 94    | 98   | 88   | 81   | 71   |
| 8                    | --- | --- | ---   | ---   | ---  | 27   | 82    | 93    | 96   | 87   | 80   | 70   |
| 9                    | --- | --- | ---   | ---   | ---  | 27   | 83    | 92    | 93   | 86   | 80   | 69   |
| 10                   | --- | --- | ---   | ---   | ---  | 30   | 84    | 90    | 93   | 85   | 79   | 69   |
| 11                   | --- | --- | ---   | ---   | ---  | 32   | 85    | 89    | 92   | 84   | 79   | 68   |
| 12                   | --- | --- | ---   | ---   | ---  | 35   | 87    | 89    | 91   | 83   | 80   | 67   |
| 13                   | --- | --- | ---   | ---   | ---  | 38   | 88    | 89    | 90   | 82   | 81   | 66   |
| 14                   | --- | --- | ---   | ---   | ---  | 40   | 89    | 90    | 89   | 82   | 82   | 66   |
| 15                   | --- | --- | ---   | ---   | ---  | 43   | 90    | 90    | 88   | 83   | 83   | 65   |
| 16                   | --- | --- | ---   | ---   | ---  | 46   | 91    | 90    | 87   | 85   | 84   | 64   |
| 17                   | --- | --- | ---   | ---   | ---  | 48   | 94    | 91    | 87   | 86   | 85   | 64   |
| 18                   | --- | --- | ---   | ---   | ---  | 51   | 97    | 91    | 88   | 87   | 85   | 63   |
| 19                   | --- | --- | ---   | ---   | ---  | 53   | 101   | 91    | 89   | 89   | 84   | 62   |
| 20                   | --- | --- | ---   | ---   | ---  | 56   | 104   | 90    | 91   | 90   | 83   | 61   |
| 21                   | --- | --- | ---   | ---   | ---  | 59   | 107   | 88    | 92   | 90   | 83   | 61   |
| 22                   | --- | --- | ---   | ---   | ---  | 61   | 104   | 87    | 93   | 89   | 82   | 60   |
| 23                   | --- | --- | ---   | ---   | ---  | 64   | 100   | 85    | 94   | 88   | 81   | 60   |
| 24                   | --- | --- | ---   | ---   | ---  | 66   | 97    | 84    | 94   | 88   | 80   | 60   |
| 25                   | --- | --- | ---   | ---   | ---  | 68   | 94    | 82    | 93   | 87   | 80   | 60   |
| 26                   | --- | --- | ---   | ---   | ---  | 70   | 91    | 82    | 91   | 86   | 79   | 60   |
| 27                   | --- | --- | ---   | ---   | ---  | 73   | 87    | 87    | 90   | 85   | 78   | 60   |
| 28                   | --- | --- | ---   | ---   | ---  | 75   | 84    | 91    | 88   | 85   | 78   | 60   |
| 29                   | --- | --- | ---   | ---   | ---  | 77   | 84    | 96    | 87   | 85   | 77   | 60   |
| 30                   | --- | --- | ---   | ---   | ---  | 79   | 86    | 100   | 85   | 84   | 76   | 60   |
| 31                   | --- | --- | ---   | ---   | ---  | ---  | 88    | ---   | 85   | 84   | ---  | 60   |
| TOTAL                |     |     |       |       |      | 1420 | 2759  | 2717  | 2896 | 2667 | 2430 | 2028 |
| MEAN                 |     |     |       |       |      | 47   | 89    | 91    | 93   | 86   | 81   | 65   |
| MAX                  |     |     |       |       |      | 79   | 107   | 100   | 109  | 90   | 85   | 75   |
| MIN                  |     |     |       |       |      | 27   | 79    | 82    | 85   | 82   | 76   | 60   |
| AC-FT                |     |     |       |       |      | 2817 | 5471  | 5388  | 5743 | 5290 | 4820 | 4022 |
| IRRIGATION YEAR 1991 |     |     | TOTAL | 16915 | MEAN | 46   | AC-FT | 33551 |      |      |      |      |

A-13

21-NOV-91

13210835 WILLOW CREEK  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV   | DEC  | JAN  | FEB | MAR   | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  |
|----------------------|-------|------|------|-----|-------|------|------|------|------|------|------|------|
| 1                    | ---   | ---  | ---  | --- | ---   | 15   | 28   | 22   | 40   | 22   | 24   | 26   |
| 2                    | ---   | ---  | ---  | --- | ---   | 14   | 28   | 20   | 44   | 21   | 25   | 26   |
| 3                    | ---   | ---  | ---  | --- | ---   | 14   | 29   | 19   | 44   | 20   | 25   | 27   |
| 4                    | ---   | ---  | ---  | --- | ---   | 13   | 30   | 18   | 41   | 19   | 25   | 27   |
| 5                    | ---   | ---  | ---  | --- | ---   | 13   | 31   | 18   | 38   | 18   | 24   | 28   |
| 6                    | ---   | ---  | ---  | --- | ---   | 12   | 31   | 20   | 36   | 17   | 23   | 28   |
| 7                    | ---   | ---  | ---  | --- | ---   | 11   | 32   | 22   | 33   | 17   | 22   | 29   |
| 8                    | ---   | ---  | ---  | --- | ---   | 11   | 32   | 24   | 30   | 17   | 21   | 29   |
| 9                    | ---   | ---  | ---  | --- | ---   | 10   | 31   | 25   | 27   | 18   | 20   | 30   |
| 10                   | ---   | ---  | ---  | --- | ---   | 12   | 31   | 27   | 27   | 18   | 19   | 30   |
| 11                   | ---   | ---  | ---  | --- | ---   | 14   | 31   | 29   | 25   | 18   | 19   | 31   |
| 12                   | ---   | ---  | ---  | --- | ---   | 16   | 31   | 29   | 22   | 19   | 20   | 32   |
| 13                   | ---   | ---  | ---  | --- | ---   | 18   | 30   | 28   | 20   | 19   | 20   | 33   |
| 14                   | ---   | ---  | ---  | --- | ---   | 20   | 30   | 28   | 18   | 19   | 21   | 33   |
| 15                   | ---   | ---  | ---  | --- | ---   | 22   | 29   | 27   | 15   | 18   | 21   | 34   |
| 16                   | ---   | ---  | ---  | --- | ---   | 24   | 28   | 26   | 13   | 18   | 22   | 31   |
| 17                   | ---   | ---  | ---  | --- | ---   | 23   | 27   | 26   | 13   | 17   | 22   | 29   |
| 18                   | ---   | ---  | ---  | --- | ---   | 23   | 25   | 25   | 14   | 16   | 22   | 26   |
| 19                   | ---   | ---  | ---  | --- | ---   | 22   | 24   | 25   | 15   | 16   | 21   | 24   |
| 20                   | ---   | ---  | ---  | --- | ---   | 21   | 23   | 24   | 16   | 15   | 21   | 21   |
| 21                   | ---   | ---  | ---  | --- | ---   | 20   | 22   | 23   | 16   | 15   | 20   | 19   |
| 22                   | ---   | ---  | ---  | --- | ---   | 20   | 22   | 23   | 17   | 16   | 19   | 16   |
| 23                   | ---   | ---  | ---  | --- | ---   | 19   | 23   | 22   | 18   | 17   | 19   | 16   |
| 24                   | ---   | ---  | ---  | --- | ---   | 20   | 23   | 21   | 18   | 19   | 18   | 16   |
| 25                   | ---   | ---  | ---  | --- | ---   | 21   | 24   | 20   | 19   | 20   | 18   | 16   |
| 26                   | ---   | ---  | ---  | --- | ---   | 22   | 24   | 20   | 20   | 21   | 19   | 16   |
| 27                   | ---   | ---  | ---  | --- | ---   | 24   | 25   | 24   | 21   | 22   | 21   | 16   |
| 28                   | ---   | ---  | ---  | --- | ---   | 25   | 25   | 28   | 21   | 22   | 22   | 16   |
| 29                   | ---   | ---  | ---  | --- | ---   | 26   | 25   | 32   | 22   | 23   | 23   | 16   |
| 30                   | ---   | ---  | ---  | --- | ---   | 27   | 24   | 36   | 23   | 23   | 25   | 16   |
| 31                   | ---   | ---  | ---  | --- | ---   | ---  | 23   | ---  | 23   | 24   | ---  | 16   |
| TOTAL                |       |      |      |     |       | 552  | 841  | 730  | 748  | 583  | 639  | 751  |
| MEAN                 |       |      |      |     |       | 18   | 27   | 24   | 24   | 19   | 21   | 24   |
| MAX                  |       |      |      |     |       | 27   | 32   | 36   | 44   | 24   | 25   | 34   |
| MIN                  |       |      |      |     |       | 10   | 22   | 18   | 13   | 15   | 18   | 16   |
| AC-FT                |       |      |      |     |       | 1094 | 1667 | 1448 | 1483 | 1155 | 1267 | 1491 |
| IRRIGATION YEAR 1991 | TOTAL | 4843 | MEAN | 13  | AC-FT | 9605 |      |      |      |      |      |      |

A-14

21-NOV-91

13210849 MASON CREEK  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV   | DEC  | JAN  | FEB | MAR   | APR  | MAY  | JUN  | JUL  | AUG  | SEP | OCT |
|----------------------|-------|------|------|-----|-------|------|------|------|------|------|-----|-----|
| 1                    | ---   | ---  | ---  | --- | ---   | 6.0  | 16   | 21   | 25   | 20   | 18  | 12  |
| 2                    | ---   | ---  | ---  | --- | ---   | 6.0  | 17   | 21   | 25   | 19   | 18  | 12  |
| 3                    | ---   | ---  | ---  | --- | ---   | 6.0  | 18   | 22   | 25   | 19   | 17  | 13  |
| 4                    | ---   | ---  | ---  | --- | ---   | 6.0  | 20   | 22   | 24   | 18   | 17  | 13  |
| 5                    | ---   | ---  | ---  | --- | ---   | 6.0  | 21   | 22   | 23   | 18   | 17  | 14  |
| 6                    | ---   | ---  | ---  | --- | ---   | 6.0  | 22   | 22   | 23   | 17   | 17  | 14  |
| 7                    | ---   | ---  | ---  | --- | ---   | 6.0  | 23   | 21   | 22   | 17   | 17  | 15  |
| 8                    | ---   | ---  | ---  | --- | ---   | 6.0  | 23   | 21   | 21   | 18   | 17  | 15  |
| 9                    | ---   | ---  | ---  | --- | ---   | 6.0  | 24   | 20   | 20   | 18   | 17  | 15  |
| 10                   | ---   | ---  | ---  | --- | ---   | 6.6  | 24   | 20   | 20   | 19   | 17  | 15  |
| 11                   | ---   | ---  | ---  | --- | ---   | 7.1  | 25   | 19   | 20   | 19   | 17  | 15  |
| 12                   | ---   | ---  | ---  | --- | ---   | 7.7  | 25   | 19   | 19   | 20   | 16  | 15  |
| 13                   | ---   | ---  | ---  | --- | ---   | 8.3  | 26   | 19   | 19   | 20   | 15  | 15  |
| 14                   | ---   | ---  | ---  | --- | ---   | 8.9  | 26   | 19   | 19   | 20   | 15  | 15  |
| 15                   | ---   | ---  | ---  | --- | ---   | 9.4  | 26   | 19   | 18   | 20   | 14  | 15  |
| 16                   | ---   | ---  | ---  | --- | ---   | 10   | 26   | 19   | 18   | 19   | 13  | 15  |
| 17                   | ---   | ---  | ---  | --- | ---   | 11   | 26   | 19   | 18   | 19   | 12  | 14  |
| 18                   | ---   | ---  | ---  | --- | ---   | 12   | 25   | 19   | 19   | 19   | 12  | 14  |
| 19                   | ---   | ---  | ---  | --- | ---   | 13   | 25   | 19   | 20   | 18   | 13  | 14  |
| 20                   | ---   | ---  | ---  | --- | ---   | 14   | 25   | 20   | 22   | 18   | 13  | 14  |
| 21                   | ---   | ---  | ---  | --- | ---   | 14   | 25   | 20   | 23   | 18   | 14  | 13  |
| 22                   | ---   | ---  | ---  | --- | ---   | 15   | 24   | 21   | 24   | 18   | 14  | 13  |
| 23                   | ---   | ---  | ---  | --- | ---   | 16   | 23   | 22   | 25   | 19   | 15  | 13  |
| 24                   | ---   | ---  | ---  | --- | ---   | 17   | 22   | 22   | 25   | 19   | 15  | 13  |
| 25                   | ---   | ---  | ---  | --- | ---   | 17   | 22   | 23   | 24   | 19   | 15  | 13  |
| 26                   | ---   | ---  | ---  | --- | ---   | 16   | 21   | 23   | 23   | 20   | 15  | 13  |
| 27                   | ---   | ---  | ---  | --- | ---   | 16   | 20   | 23   | 23   | 20   | 14  | 13  |
| 28                   | ---   | ---  | ---  | --- | ---   | 16   | 19   | 24   | 22   | 20   | 14  | 13  |
| 29                   | ---   | ---  | ---  | --- | ---   | 15   | 19   | 24   | 21   | 20   | 13  | 13  |
| 30                   | ---   | ---  | ---  | --- | ---   | 15   | 20   | 24   | 20   | 19   | 13  | 13  |
| 31                   | ---   | ---  | ---  | --- | ---   | ---  | 20   | ---  | 20   | 19   | --- | 13  |
| TOTAL                |       |      |      |     |       | 319  | 698  | 627  | 668  | 582  | 450 | 426 |
| MEAN                 |       |      |      |     |       | 11   | 23   | 21   | 22   | 19   | 15  | 14  |
| MAX                  |       |      |      |     |       | 17   | 26   | 24   | 25   | 20   | 18  | 15  |
| MIN                  |       |      |      |     |       | 6.0  | 16   | 19   | 18   | 17   | 12  | 12  |
| AC-FT                |       |      |      |     |       | 632  | 1383 | 1243 | 1325 | 1154 | 893 | 844 |
| IRRIGATION YEAR 1991 | TOTAL | 3769 | MEAN | 10  | AC-FT | 7475 |      |      |      |      |     |     |

A-15

25-FEB-92

13210980 MASON DRAIN  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

A-16

| DAY                  | NOV   | DEC   | JAN  | FEB | MAR   | APR   | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  |
|----------------------|-------|-------|------|-----|-------|-------|------|------|------|------|------|------|
| 1                    | ---   | ---   | ---  | --- | ---   | 39    | 105  | 143  | 168  | 145  | 118  | 80   |
| 2                    | ---   | ---   | ---  | --- | ---   | 40    | 110  | 150  | 174  | 142  | 116  | 80   |
| 3                    | ---   | ---   | ---  | --- | ---   | 41    | 114  | 158  | 174  | 140  | 115  | 79   |
| 4                    | ---   | ---   | ---  | --- | ---   | 42    | 119  | 165  | 172  | 137  | 115  | 78   |
| 5                    | ---   | ---   | ---  | --- | ---   | 43    | 123  | 165  | 169  | 134  | 116  | 78   |
| 6                    | ---   | ---   | ---  | --- | ---   | 43    | 128  | 163  | 167  | 134  | 117  | 77   |
| 7                    | ---   | ---   | ---  | --- | ---   | 44    | 132  | 161  | 164  | 134  | 118  | 76   |
| 8                    | ---   | ---   | ---  | --- | ---   | 45    | 133  | 160  | 162  | 133  | 118  | 75   |
| 9                    | ---   | ---   | ---  | --- | ---   | 46    | 134  | 158  | 159  | 131  | 119  | 74   |
| 10                   | ---   | ---   | ---  | --- | ---   | 52    | 135  | 156  | 159  | 130  | 120  | 74   |
| 11                   | ---   | ---   | ---  | --- | ---   | 58    | 135  | 154  | 158  | 129  | 120  | 73   |
| 12                   | ---   | ---   | ---  | --- | ---   | 63    | 136  | 154  | 157  | 127  | 116  | 72   |
| 13                   | ---   | ---   | ---  | --- | ---   | 69    | 137  | 155  | 157  | 126  | 111  | 71   |
| 14                   | ---   | ---   | ---  | --- | ---   | 75    | 138  | 157  | 156  | 126  | 107  | 71   |
| 15                   | ---   | ---   | ---  | --- | ---   | 81    | 141  | 158  | 155  | 127  | 103  | 70   |
| 16                   | ---   | ---   | ---  | --- | ---   | 86    | 143  | 159  | 154  | 127  | 98   | 68   |
| 17                   | ---   | ---   | ---  | --- | ---   | 92    | 146  | 161  | 154  | 128  | 94   | 66   |
| 18                   | ---   | ---   | ---  | --- | ---   | 93    | 148  | 162  | 155  | 129  | 94   | 64   |
| 19                   | ---   | ---   | ---  | --- | ---   | 93    | 151  | 162  | 157  | 129  | 93   | 61   |
| 20                   | ---   | ---   | ---  | --- | ---   | 94    | 153  | 158  | 158  | 130  | 92   | 59   |
| 21                   | ---   | ---   | ---  | --- | ---   | 95    | 156  | 154  | 159  | 130  | 91   | 57   |
| 22                   | ---   | ---   | ---  | --- | ---   | 96    | 151  | 150  | 161  | 129  | 90   | 55   |
| 23                   | ---   | ---   | ---  | --- | ---   | 96    | 146  | 145  | 162  | 128  | 89   | 55   |
| 24                   | ---   | ---   | ---  | --- | ---   | 97    | 141  | 141  | 162  | 127  | 88   | 55   |
| 25                   | ---   | ---   | ---  | --- | ---   | 98    | 136  | 137  | 160  | 125  | 88   | 55   |
| 26                   | ---   | ---   | ---  | --- | ---   | 98    | 131  | 137  | 157  | 124  | 87   | 55   |
| 27                   | ---   | ---   | ---  | --- | ---   | 99    | 126  | 143  | 155  | 123  | 85   | 55   |
| 28                   | ---   | ---   | ---  | --- | ---   | 100   | 121  | 149  | 153  | 123  | 84   | 55   |
| 29                   | ---   | ---   | ---  | --- | ---   | 100   | 121  | 156  | 150  | 122  | 83   | 55   |
| 30                   | ---   | ---   | ---  | --- | ---   | 101   | 128  | 162  | 148  | 120  | 81   | 55   |
| 31                   | ---   | ---   | ---  | --- | ---   | ---   | 136  | ---  | 148  | 119  | ---  | 55   |
| TOTAL                |       |       |      |     |       | 2218  | 4154 | 4632 | 4942 | 4008 | 3066 | 2053 |
| MEAN                 |       |       |      |     |       | 74    | 134  | 154  | 159  | 129  | 102  | 66   |
| MAX                  |       |       |      |     |       | 101   | 156  | 165  | 174  | 145  | 120  | 80   |
| MIN                  |       |       |      |     |       | 39    | 105  | 137  | 148  | 119  | 81   | 55   |
| AC-FT                |       |       |      |     |       | 4399  | 8239 | 9187 | 9802 | 7949 | 6080 | 4071 |
| IRRIGATION YEAR 1991 | TOTAL | 25071 | MEAN | 69  | AC-FT | 49727 |      |      |      |      |      |      |

21-NOV-91

13210986 HARTLEY GULCH  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV   | DEC  | JAN  | FEB | MAR   | APR   | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  |
|----------------------|-------|------|------|-----|-------|-------|------|------|------|------|------|------|
| 1                    | ---   | ---  | ---  | --- | ---   | 20    | 40   | 24   | 28   | 18   | 17   | 18   |
| 2                    | ---   | ---  | ---  | --- | ---   | 21    | 41   | 25   | 29   | 18   | 17   | 18   |
| 3                    | ---   | ---  | ---  | --- | ---   | 22    | 42   | 25   | 29   | 19   | 17   | 19   |
| 4                    | ---   | ---  | ---  | --- | ---   | 23    | 42   | 26   | 28   | 20   | 17   | 19   |
| 5                    | ---   | ---  | ---  | --- | ---   | 25    | 43   | 26   | 28   | 20   | 17   | 20   |
| 6                    | ---   | ---  | ---  | --- | ---   | 26    | 44   | 25   | 27   | 21   | 17   | 20   |
| 7                    | ---   | ---  | ---  | --- | ---   | 27    | 45   | 25   | 26   | 21   | 17   | 21   |
| 8                    | ---   | ---  | ---  | --- | ---   | 28    | 44   | 24   | 26   | 21   | 17   | 21   |
| 9                    | ---   | ---  | ---  | --- | ---   | 29    | 44   | 23   | 25   | 20   | 17   | 21   |
| 10                   | ---   | ---  | ---  | --- | ---   | 30    | 43   | 23   | 25   | 20   | 17   | 22   |
| 11                   | ---   | ---  | ---  | --- | ---   | 31    | 42   | 22   | 24   | 19   | 17   | 22   |
| 12                   | ---   | ---  | ---  | --- | ---   | 32    | 41   | 22   | 24   | 19   | 17   | 22   |
| 13                   | ---   | ---  | ---  | --- | ---   | 33    | 41   | 21   | 23   | 18   | 16   | 22   |
| 14                   | ---   | ---  | ---  | --- | ---   | 34    | 40   | 20   | 22   | 18   | 16   | 23   |
| 15                   | ---   | ---  | ---  | --- | ---   | 35    | 42   | 20   | 22   | 18   | 16   | 23   |
| 16                   | ---   | ---  | ---  | --- | ---   | 36    | 44   | 19   | 21   | 18   | 15   | 22   |
| 17                   | ---   | ---  | ---  | --- | ---   | 37    | 46   | 18   | 21   | 18   | 15   | 22   |
| 18                   | ---   | ---  | ---  | --- | ---   | 37    | 47   | 17   | 20   | 18   | 15   | 21   |
| 19                   | ---   | ---  | ---  | --- | ---   | 38    | 49   | 17   | 20   | 18   | 16   | 21   |
| 20                   | ---   | ---  | ---  | --- | ---   | 39    | 51   | 18   | 19   | 18   | 16   | 20   |
| 21                   | ---   | ---  | ---  | --- | ---   | 40    | 53   | 19   | 18   | 18   | 17   | 20   |
| 22                   | ---   | ---  | ---  | --- | ---   | 40    | 54   | 20   | 18   | 18   | 17   | 19   |
| 23                   | ---   | ---  | ---  | --- | ---   | 41    | 55   | 21   | 17   | 17   | 18   | 19   |
| 24                   | ---   | ---  | ---  | --- | ---   | 41    | 56   | 22   | 17   | 17   | 18   | 19   |
| 25                   | ---   | ---  | ---  | --- | ---   | 40    | 58   | 23   | 17   | 17   | 18   | 19   |
| 26                   | ---   | ---  | ---  | --- | ---   | 40    | 59   | 23   | 17   | 16   | 18   | 19   |
| 27                   | ---   | ---  | ---  | --- | ---   | 40    | 60   | 24   | 17   | 16   | 18   | 19   |
| 28                   | ---   | ---  | ---  | --- | ---   | 40    | 61   | 25   | 17   | 16   | 18   | 19   |
| 29                   | ---   | ---  | ---  | --- | ---   | 39    | 22   | 26   | 17   | 16   | 18   | 19   |
| 30                   | ---   | ---  | ---  | --- | ---   | 39    | 23   | 27   | 17   | 16   | 18   | 19   |
| 31                   | ---   | ---  | ---  | --- | ---   | ---   | 23   | ---  | 17   | 17   | ---  | 19   |
| TOTAL                |       |      |      |     |       | 1003  | 1395 | 670  | 676  | 563  | 505  | 626  |
| MEAN                 |       |      |      |     |       | 33    | 45   | 22   | 22   | 18   | 17   | 20   |
| MAX                  |       |      |      |     |       | 41    | 61   | 27   | 29   | 21   | 18   | 23   |
| MIN                  |       |      |      |     |       | 20    | 22   | 17   | 17   | 16   | 15   | 18   |
| AC-FT                |       |      |      |     |       | 1989  | 2767 | 1328 | 1341 | 1116 | 1002 | 1241 |
| IRRIGATION YEAR 1991 | TOTAL | 5436 | MEAN | 15  | AC-FT | 10782 |      |      |      |      |      |      |

A-17

21-NOV-91

13210988 HARTLEY DRAIN  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN   | FEB   | MAR  | APR  | MAY   | JUN   | JUL  | AUG  | SEP  | OCT  |
|----------------------|-----|-----|-------|-------|------|------|-------|-------|------|------|------|------|
| 1                    | --- | --- | ---   | ---   | ---  | 20   | 40    | 59    | 66   | 54   | 40   | 40   |
| 2                    | --- | --- | ---   | ---   | ---  | 21   | 41    | 58    | 69   | 53   | 40   | 40   |
| 3                    | --- | --- | ---   | ---   | ---  | 22   | 42    | 58    | 69   | 53   | 40   | 41   |
| 4                    | --- | --- | ---   | ---   | ---  | 23   | 42    | 57    | 67   | 52   | 40   | 42   |
| 5                    | --- | --- | ---   | ---   | ---  | 25   | 43    | 57    | 65   | 51   | 41   | 43   |
| 6                    | --- | --- | ---   | ---   | ---  | 26   | 44    | 58    | 63   | 50   | 41   | 44   |
| 7                    | --- | --- | ---   | ---   | ---  | 27   | 45    | 59    | 60   | 50   | 42   | 45   |
| 8                    | --- | --- | ---   | ---   | ---  | 28   | 44    | 60    | 58   | 49   | 43   | 46   |
| 9                    | --- | --- | ---   | ---   | ---  | 29   | 44    | 61    | 56   | 49   | 43   | 46   |
| 10                   | --- | --- | ---   | ---   | ---  | 30   | 43    | 62    | 56   | 48   | 44   | 45   |
| 11                   | --- | --- | ---   | ---   | ---  | 31   | 42    | 63    | 56   | 47   | 44   | 45   |
| 12                   | --- | --- | ---   | ---   | ---  | 32   | 41    | 63    | 55   | 47   | 43   | 44   |
| 13                   | --- | --- | ---   | ---   | ---  | 33   | 41    | 62    | 55   | 46   | 42   | 44   |
| 14                   | --- | --- | ---   | ---   | ---  | 34   | 40    | 60    | 54   | 46   | 42   | 43   |
| 15                   | --- | --- | ---   | ---   | ---  | 35   | 42    | 59    | 54   | 46   | 41   | 43   |
| 16                   | --- | --- | ---   | ---   | ---  | 36   | 44    | 58    | 53   | 46   | 40   | 42   |
| 17                   | --- | --- | ---   | ---   | ---  | 37   | 46    | 56    | 53   | 46   | 39   | 42   |
| 18                   | --- | --- | ---   | ---   | ---  | 37   | 47    | 55    | 55   | 45   | 39   | 41   |
| 19                   | --- | --- | ---   | ---   | ---  | 38   | 49    | 55    | 57   | 45   | 40   | 41   |
| 20                   | --- | --- | ---   | ---   | ---  | 39   | 51    | 54    | 59   | 45   | 41   | 40   |
| 21                   | --- | --- | ---   | ---   | ---  | 40   | 53    | 53    | 61   | 45   | 42   | 40   |
| 22                   | --- | --- | ---   | ---   | ---  | 40   | 54    | 53    | 63   | 44   | 43   | 40   |
| 23                   | --- | --- | ---   | ---   | ---  | 41   | 55    | 52    | 65   | 44   | 44   | 40   |
| 24                   | --- | --- | ---   | ---   | ---  | 41   | 56    | 51    | 65   | 43   | 45   | 40   |
| 25                   | --- | --- | ---   | ---   | ---  | 40   | 58    | 50    | 63   | 42   | 45   | 40   |
| 26                   | --- | --- | ---   | ---   | ---  | 40   | 59    | 50    | 62   | 42   | 44   | 40   |
| 27                   | --- | --- | ---   | ---   | ---  | 40   | 60    | 53    | 60   | 41   | 43   | 40   |
| 28                   | --- | --- | ---   | ---   | ---  | 40   | 61    | 56    | 58   | 41   | 43   | 40   |
| 29                   | --- | --- | ---   | ---   | ---  | 39   | 61    | 60    | 57   | 41   | 42   | 40   |
| 30                   | --- | --- | ---   | ---   | ---  | 39   | 60    | 63    | 55   | 41   | 41   | 40   |
| 31                   | --- | --- | ---   | ---   | ---  | ---  | 60    | ---   | 55   | 41   | ---  | 40   |
| TOTAL                |     |     |       |       |      | 1003 | 1508  | 1714  | 1842 | 1431 | 1257 | 1295 |
| MEAN                 |     |     |       |       |      | 33   | 49    | 57    | 59   | 46   | 42   | 42   |
| MAX                  |     |     |       |       |      | 41   | 61    | 63    | 69   | 54   | 45   | 46   |
| MIN                  |     |     |       |       |      | 20   | 40    | 50    | 53   | 41   | 39   | 40   |
| AC-FT                |     |     |       |       |      | 1989 | 2991  | 3400  | 3653 | 2838 | 2492 | 2569 |
| IRRIGATION YEAR 1991 |     |     | TOTAL | 10049 | MEAN | 28   | AC-FT | 19932 |      |      |      |      |

A-18

13211445 INDIAN CREEK  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR   | MAY  | JUN  | JUL  | AUG   | SEP   | OCT  |
|----------------------|-----|-----|-----|-----|-----|-------|------|------|------|-------|-------|------|
| 1                    | --- | --- | --- | --- | --- | 40    | 80   | 72   | 45   | 12    | 16    | 3.0  |
| 2                    | --- | --- | --- | --- | --- | 39    | 85   | 69   | 47   | 11    | 16    | 3.0  |
| 3                    | --- | --- | --- | --- | --- | 39    | 90   | 66   | 47   | 11    | 15    | 3.0  |
| 4                    | --- | --- | --- | --- | --- | 38    | 95   | 63   | 44   | 11    | 15    | 3.0  |
| 5                    | --- | --- | --- | --- | --- | 38    | 100  | 63   | 40   | 10    | 19    | 3.0  |
| 6                    | --- | --- | --- | --- | --- | 37    | 105  | 61   | 37   | 10    | 22    | 3.0  |
| 7                    | --- | --- | --- | --- | --- | 36    | 110  | 58   | 33   | 10    | 26    | 3.0  |
| 8                    | --- | --- | --- | --- | --- | 36    | 114  | 56   | 30   | 9.7   | 29    | 3.0  |
| 9                    | --- | --- | --- | --- | --- | 35    | 117  | 54   | 26   | 9.3   | 33    | 3.0  |
| 10                   | --- | --- | --- | --- | --- | 39    | 121  | 51   | 26   | 9.0   | 36    | 3.0  |
| 11                   | --- | --- | --- | --- | --- | 42    | 124  | 49   | 23   | 8.7   | 36    | 3.0  |
| 12                   | --- | --- | --- | --- | --- | 46    | 128  | 49   | 19   | 8.3   | 31    | 3.0  |
| 13                   | --- | --- | --- | --- | --- | 50    | 131  | 43   | 16   | 8.0   | 25    | 3.0  |
| 14                   | --- | --- | --- | --- | --- | 54    | 135  | 36   | 12   | 8.0   | 20    | 3.0  |
| 15                   | --- | --- | --- | --- | --- | 57    | 134  | 30   | 8.5  | 8.3   | 14    | 3.0  |
| 16                   | --- | --- | --- | --- | --- | 61    | 134  | 23   | 5.0  | 8.7   | 8.5   | 13   |
| 17                   | --- | --- | --- | --- | --- | 62    | 133  | 17   | 5.0  | 9.0   | 3.0   | 24   |
| 18                   | --- | --- | --- | --- | --- | 64    | 132  | 10   | 5.0  | 9.3   | 3.0   | 34   |
| 19                   | --- | --- | --- | --- | --- | 65    | 131  | 10   | 5.0  | 9.7   | 3.0   | 44   |
| 20                   | --- | --- | --- | --- | --- | 66    | 131  | 14   | 5.0  | 10    | 3.0   | 54   |
| 21                   | --- | --- | --- | --- | --- | 67    | 130  | 18   | 5.0  | 10    | 3.0   | 65   |
| 22                   | --- | --- | --- | --- | --- | 69    | 123  | 23   | 5.0  | 11    | 3.0   | 75   |
| 23                   | --- | --- | --- | --- | --- | 70    | 116  | 27   | 5.0  | 13    | 3.0   | 75   |
| 24                   | --- | --- | --- | --- | --- | 71    | 109  | 31   | 5.0  | 14    | 3.0   | 75   |
| 25                   | --- | --- | --- | --- | --- | 71    | 101  | 35   | 6.2  | 15    | 3.0   | 75   |
| 26                   | --- | --- | --- | --- | --- | 72    | 94   | 35   | 7.3  | 17    | 3.0   | 75   |
| 27                   | --- | --- | --- | --- | --- | 73    | 87   | 37   | 8.5  | 18    | 3.0   | 75   |
| 28                   | --- | --- | --- | --- | --- | 74    | 80   | 39   | 9.7  | 18    | 3.0   | 75   |
| 29                   | --- | --- | --- | --- | --- | 74    | 80   | 41   | 11   | 18    | 3.0   | 75   |
| 30                   | --- | --- | --- | --- | --- | 75    | 77   | 43   | 12   | 17    | 3.0   | 75   |
| 31                   | --- | --- | --- | --- | --- | ---   | 74   | ---  | 12   | 17    | ---   | 75   |
| TOTAL                |     |     |     |     |     | 1660  | 3402 | 1220 | 563  | 358   | 401   | 1029 |
| MEAN                 |     |     |     |     |     | 55    | 110  | 41   | 18   | 12    | 13    | 33   |
| MAX                  |     |     |     |     |     | 75    | 135  | 72   | 47   | 18    | 36    | 75   |
| MIN                  |     |     |     |     |     | 35    | 74   | 10   | 5.0  | 8.0   | 3.0   | 3.0  |
| AC-FT                |     |     |     |     |     | 3292  | 6747 | 2420 | 1116 | 710   | 794   | 2041 |
| IRRIGATION YEAR 1991 |     |     |     |     |     | TOTAL | 8631 | MEAN | 24   | AC-FT | 17119 |      |

A-19

21-NOV-91

13212550 CONWAY GULCH  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV   | DEC   | JAN  | FEB | MAR   | APR   | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  |
|----------------------|-------|-------|------|-----|-------|-------|------|------|------|------|------|------|
| 1                    | ---   | ---   | ---  | --- | ---   | 19    | 55   | 65   | 66   | 49   | 42   | 51   |
| 2                    | ---   | ---   | ---  | --- | ---   | 22    | 54   | 63   | 69   | 51   | 42   | 52   |
| 3                    | ---   | ---   | ---  | --- | ---   | 24    | 54   | 61   | 73   | 53   | 43   | 52   |
| 4                    | ---   | ---   | ---  | --- | ---   | 27    | 53   | 59   | 73   | 56   | 43   | 54   |
| 5                    | ---   | ---   | ---  | --- | ---   | 29    | 52   | 57   | 70   | 58   | 43   | 56   |
| 6                    | ---   | ---   | ---  | --- | ---   | 32    | 51   | 57   | 67   | 60   | 43   | 58   |
| 7                    | ---   | ---   | ---  | --- | ---   | 34    | 51   | 59   | 64   | 62   | 42   | 60   |
| 8                    | ---   | ---   | ---  | --- | ---   | 37    | 50   | 61   | 61   | 62   | 42   | 62   |
| 9                    | ---   | ---   | ---  | --- | ---   | 39    | 52   | 63   | 58   | 61   | 41   | 64   |
| 10                   | ---   | ---   | ---  | --- | ---   | 42    | 55   | 65   | 55   | 60   | 41   | 64   |
| 11                   | ---   | ---   | ---  | --- | ---   | 44    | 57   | 67   | 55   | 59   | 40   | 64   |
| 12                   | ---   | ---   | ---  | --- | ---   | 46    | 60   | 69   | 54   | 57   | 40   | 64   |
| 13                   | ---   | ---   | ---  | --- | ---   | 48    | 62   | 69   | 54   | 56   | 41   | 65   |
| 14                   | ---   | ---   | ---  | --- | ---   | 51    | 65   | 68   | 53   | 55   | 42   | 65   |
| 15                   | ---   | ---   | ---  | --- | ---   | 53    | 67   | 66   | 52   | 55   | 43   | 65   |
| 16                   | ---   | ---   | ---  | --- | ---   | 55    | 68   | 65   | 52   | 55   | 43   | 65   |
| 17                   | ---   | ---   | ---  | --- | ---   | 57    | 69   | 63   | 51   | 54   | 44   | 56   |
| 18                   | ---   | ---   | ---  | --- | ---   | 58    | 70   | 62   | 51   | 54   | 45   | 46   |
| 19                   | ---   | ---   | ---  | --- | ---   | 59    | 72   | 60   | 52   | 54   | 45   | 37   |
| 20                   | ---   | ---   | ---  | --- | ---   | 60    | 73   | 60   | 53   | 53   | 45   | 28   |
| 21                   | ---   | ---   | ---  | --- | ---   | 60    | 74   | 59   | 55   | 53   | 44   | 19   |
| 22                   | ---   | ---   | ---  | --- | ---   | 61    | 75   | 57   | 56   | 53   | 44   | 9.3  |
| 23                   | ---   | ---   | ---  | --- | ---   | 62    | 74   | 56   | 57   | 51   | 44   | 0.0  |
| 24                   | ---   | ---   | ---  | --- | ---   | 63    | 73   | 54   | 58   | 49   | 43   | 6.4  |
| 25                   | ---   | ---   | ---  | --- | ---   | 62    | 72   | 53   | 58   | 47   | 43   | 13   |
| 26                   | ---   | ---   | ---  | --- | ---   | 61    | 72   | 51   | 57   | 45   | 43   | 19   |
| 27                   | ---   | ---   | ---  | --- | ---   | 60    | 71   | 51   | 55   | 43   | 45   | 26   |
| 28                   | ---   | ---   | ---  | --- | ---   | 58    | 70   | 55   | 54   | 41   | 46   | 32   |
| 29                   | ---   | ---   | ---  | --- | ---   | 57    | 69   | 58   | 52   | 41   | 48   | 38   |
| 30                   | ---   | ---   | ---  | --- | ---   | 56    | 69   | 62   | 51   | 41   | 49   | 45   |
| 31                   | ---   | ---   | ---  | --- | ---   | ---   | 67   | ---  | 49   | 42   | ---  | 51   |
| TOTAL                |       |       |      |     |       | 1436  | 1976 | 1812 | 1783 | 1629 | 1296 | 1385 |
| MEAN                 |       |       |      |     |       | 48    | 64   | 60   | 58   | 53   | 43   | 45   |
| MAX                  |       |       |      |     |       | 63    | 75   | 69   | 73   | 62   | 49   | 65   |
| MIN                  |       |       |      |     |       | 19    | 50   | 51   | 49   | 41   | 40   | 0.0  |
| AC-FT                |       |       |      |     |       | 2848  | 3919 | 3594 | 3537 | 3231 | 2571 | 2747 |
| IRRIGATION YEAR 1991 | TOTAL | 11317 | MEAN | 31  | AC-FT | 22447 |      |      |      |      |      |      |

A-20

21-NOV-91

13212690 DIXIE SLOUGH  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN   | FEB   | MAR  | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   |
|----------------------|-----|-----|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| 1                    | --- | --- | ---   | ---   | ---  | 176   | 210   | 244   | 291   | 232   | 208   | 208   |
| 2                    | --- | --- | ---   | ---   | ---  | 177   | 207   | 250   | 309   | 225   | 205   | 205   |
| 3                    | --- | --- | ---   | ---   | ---  | 177   | 203   | 256   | 326   | 218   | 203   | 205   |
| 4                    | --- | --- | ---   | ---   | ---  | 178   | 200   | 261   | 326   | 212   | 200   | 208   |
| 5                    | --- | --- | ---   | ---   | ---  | 179   | 196   | 267   | 316   | 205   | 200   | 210   |
| 6                    | --- | --- | ---   | ---   | ---  | 180   | 193   | 267   | 306   | 198   | 198   | 213   |
| 7                    | --- | --- | ---   | ---   | ---  | 180   | 189   | 263   | 296   | 191   | 196   | 216   |
| 8                    | --- | --- | ---   | ---   | ---  | 181   | 186   | 258   | 285   | 191   | 195   | 218   |
| 9                    | --- | --- | ---   | ---   | ---  | 182   | 185   | 254   | 275   | 190   | 193   | 221   |
| 10                   | --- | --- | ---   | ---   | ---  | 182   | 185   | 250   | 265   | 188   | 191   | 219   |
| 11                   | --- | --- | ---   | ---   | ---  | 183   | 184   | 245   | 265   | 187   | 189   | 218   |
| 12                   | --- | --- | ---   | ---   | ---  | 191   | 183   | 241   | 258   | 185   | 189   | 216   |
| 13                   | --- | --- | ---   | ---   | ---  | 198   | 182   | 241   | 251   | 184   | 193   | 215   |
| 14                   | --- | --- | ---   | ---   | ---  | 206   | 182   | 232   | 245   | 182   | 198   | 213   |
| 15                   | --- | --- | ---   | ---   | ---  | 214   | 181   | 224   | 238   | 182   | 202   | 212   |
| 16                   | --- | --- | ---   | ---   | ---  | 221   | 180   | 215   | 231   | 181   | 206   | 210   |
| 17                   | --- | --- | ---   | ---   | ---  | 229   | 199   | 206   | 224   | 180   | 211   | 208   |
| 18                   | --- | --- | ---   | ---   | ---  | 224   | 217   | 198   | 224   | 179   | 215   | 206   |
| 19                   | --- | --- | ---   | ---   | ---  | 219   | 236   | 189   | 227   | 177   | 215   | 204   |
| 20                   | --- | --- | ---   | ---   | ---  | 214   | 254   | 189   | 230   | 176   | 216   | 201   |
| 21                   | --- | --- | ---   | ---   | ---  | 210   | 273   | 194   | 233   | 175   | 217   | 199   |
| 22                   | --- | --- | ---   | ---   | ---  | 205   | 291   | 200   | 235   | 175   | 218   | 197   |
| 23                   | --- | --- | ---   | ---   | ---  | 200   | 281   | 205   | 238   | 182   | 219   | 195   |
| 24                   | --- | --- | ---   | ---   | ---  | 195   | 272   | 210   | 241   | 188   | 220   | 195   |
| 25                   | --- | --- | ---   | ---   | ---  | 197   | 262   | 216   | 241   | 195   | 221   | 195   |
| 26                   | --- | --- | ---   | ---   | ---  | 199   | 252   | 221   | 240   | 202   | 221   | 195   |
| 27                   | --- | --- | ---   | ---   | ---  | 201   | 242   | 221   | 238   | 208   | 218   | 195   |
| 28                   | --- | --- | ---   | ---   | ---  | 204   | 233   | 239   | 237   | 215   | 216   | 195   |
| 29                   | --- | --- | ---   | ---   | ---  | 206   | 223   | 256   | 235   | 215   | 213   | 195   |
| 30                   | --- | --- | ---   | ---   | ---  | 208   | 233   | 274   | 234   | 213   | 210   | 195   |
| 31                   | --- | --- | ---   | ---   | ---  | ---   | 239   | ---   | 232   | 210   | ---   | 195   |
| TOTAL                |     |     |       |       |      | 5916  | 6750  | 6985  | 7989  | 6038  | 6195  | 6377  |
| MEAN                 |     |     |       |       |      | 197   | 218   | 233   | 258   | 195   | 206   | 206   |
| MAX                  |     |     |       |       |      | 229   | 291   | 274   | 326   | 221   | 221   | 221   |
| MIN                  |     |     |       |       |      | 176   | 180   | 189   | 224   | 175   | 189   | 195   |
| AC-FT                |     |     |       |       |      | 11733 | 13389 | 13855 | 15845 | 11976 | 12287 | 12648 |
| IRRIGATION YEAR 1991 |     |     | TOTAL | 46249 | MEAN | 127   | AC-FT | 91735 |       |       |       |       |

A-21

## CANAL DIVERSIONS

A-22

EXHIBITS  
IN ADMINISTRATIVE ORDER

CANAL DIVERSIONS

|  |       |
|--|-------|
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|  | A-99  |
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DIVERSIONS  
IN ALPHABETICAL ORDER

| <u>CANALS</u>           | <u>PAGE</u> |
|-------------------------|-------------|
| Aiken                   | A-51        |
| Andrews                 | A-78        |
| Atwell                  | A-74        |
| Ballentyne              | A-48        |
| Barber Pump             | A-57        |
| Baxter                  | A-77        |
| Boise City              | A-34        |
| Boise City Parks        | A-37        |
| Boise Valley            | A-41        |
| Boise Water Corp.       | A-39        |
| Bowman-Swisher          | A-76        |
| Bubb                    | A-30        |
| Caldwell Highline       | A-63        |
| Campbell (Canyon)       | A-66        |
| Canyon County           | A-62        |
| Capital View            | A-42        |
| Conway-Hamming          | A-49        |
| Crawforth Pump          | A-83        |
| Davis Ditch             | A-36        |
| Eagle Island State Park | A-50        |
| Eureka Water Co. #1     | A-60        |
| Eureka #2               | A-71        |
| Farmers Union           | A-40        |
| Graham-Gilbert          | A-47        |
| Haas                    | A-80        |
| Hart-Davis              | A-55        |
| Island Highline         | A-82        |
| Lemp                    | A-45        |
| Little Pioneer          | A-61        |
| Lower Center Point      | A-75        |

DIVERSIONS (CONT.)

| <u>CANAL</u>           | <u>PAGE</u> |
|------------------------|-------------|
| Lucky Peak Nursery     | A-25        |
| Mace-Catlin            | A-52        |
| Mace-Mace              | A-53        |
| Mammon Pumps           | A-79        |
| McConnell Island       | A-84        |
| McManus-Teater         | A-73        |
| Meeves                 | A-31        |
| Middleton Irr. Assoc.  | A-56        |
| New Dry Creek          | A-43        |
| New Union              | A-44        |
| New York Canal         | A-27        |
| Parma                  | A-81        |
| Penitentiary           | A-26        |
| Phyllis                | A-59        |
| Ridenbaugh             | A-29        |
| River Run              | A-33        |
| Riverside              | A-64        |
| Rossi-Mill             | A-32        |
| Sebree (Farmers Co-Op) | A-65        |
| Settlers               | A-35        |
| Seven Suckers          | A-58        |
| ShIPLEY Pump           | A-68        |
| Siebenberg             | A-67        |
| Simplot Pump           | A-70        |
| Suprise Valley Farms   | A-28        |
| Thurman-Mill           | A-38        |
| Upper Center Point     | A-72        |
| Wagner Pumps           | A-69        |
| Warm Springs Ditch     | A-46        |
| Wroten Pump            | A-54        |

20-NOV-91

13201050 LUCKY PEAK NURSERY  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV   | DEC | JAN  | FEB | MAR   | APR | MAY | JUN | JUL | AUG | SEP | OCT |
|----------------------|-------|-----|------|-----|-------|-----|-----|-----|-----|-----|-----|-----|
| 1                    | ---   | --- | ---  | --- | ---   | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 2                    | ---   | --- | ---  | --- | ---   | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 3                    | ---   | --- | ---  | --- | ---   | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 4                    | ---   | --- | ---  | --- | ---   | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 5                    | ---   | --- | ---  | --- | ---   | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 6                    | ---   | --- | ---  | --- | ---   | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 7                    | ---   | --- | ---  | --- | ---   | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 8                    | ---   | --- | ---  | --- | ---   | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 9                    | ---   | --- | ---  | --- | ---   | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 10                   | ---   | --- | ---  | --- | ---   | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 11                   | ---   | --- | ---  | --- | ---   | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 12                   | ---   | --- | ---  | --- | ---   | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 13                   | ---   | --- | ---  | --- | ---   | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 14                   | ---   | --- | ---  | --- | ---   | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 15                   | ---   | --- | ---  | --- | ---   | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 16                   | ---   | --- | ---  | --- | ---   | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | --- |
| 17                   | ---   | --- | ---  | --- | ---   | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | --- |
| 18                   | ---   | --- | ---  | --- | ---   | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | --- |
| 19                   | ---   | --- | ---  | --- | ---   | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | --- |
| 20                   | ---   | --- | ---  | --- | ---   | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | --- |
| 21                   | ---   | --- | ---  | --- | ---   | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | --- |
| 22                   | ---   | --- | ---  | --- | ---   | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | --- |
| 23                   | ---   | --- | ---  | --- | ---   | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | --- |
| 24                   | ---   | --- | ---  | --- | ---   | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | --- |
| 25                   | ---   | --- | ---  | --- | ---   | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | --- |
| 26                   | ---   | --- | ---  | --- | ---   | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | --- |
| 27                   | ---   | --- | ---  | --- | ---   | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | --- |
| 28                   | ---   | --- | ---  | --- | ---   | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | --- |
| 29                   | ---   | --- | ---  | --- | ---   | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | --- |
| 30                   | ---   | --- | ---  | --- | ---   | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | --- |
| 31                   | ---   | --- | ---  | --- | ---   | --- | 0.5 | --- | 0.5 | 0.5 | 0.5 | --- |
| TOTAL                |       |     |      |     |       | 10  | 16  | 15  | 16  | 16  | 15  | 8   |
| MEAN                 |       |     |      |     |       | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| MAX                  |       |     |      |     |       | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| MIN                  |       |     |      |     |       | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| AC-FT                |       |     |      |     |       | 20  | 31  | 30  | 31  | 31  | 30  | 15  |
| IRRIGATION YEAR 1991 | TOTAL | 94  | MEAN | 0   | AC-FT | 186 |     |     |     |     |     |     |

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20-NOV-91

13202995 PENITENTIARY CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN   | FEB | MAR  | APR | MAY   | JUN  | JUL | AUG | SEP | OCT |
|----------------------|-----|-----|-------|-----|------|-----|-------|------|-----|-----|-----|-----|
| 1                    | --- | --- | ---   | --- | ---  | 0.0 | 0.9   | 3.3  | 6.9 | 3.3 | 3.3 | 0.0 |
| 2                    | --- | --- | ---   | --- | ---  | 0.0 | 0.9   | 3.3  | 6.9 | 3.3 | 3.3 | 0.0 |
| 3                    | --- | --- | ---   | --- | ---  | 0.0 | 0.9   | 3.6  | 6.9 | 3.3 | 3.3 | 0.0 |
| 4                    | --- | --- | ---   | --- | ---  | 0.0 | 0.9   | 3.6  | 7.3 | 3.3 | 3.3 | 0.0 |
| 5                    | --- | --- | ---   | --- | ---  | 0.0 | 0.9   | 3.6  | 7.3 | 3.3 | 3.3 | 0.0 |
| 6                    | --- | --- | ---   | --- | ---  | 0.0 | 0.9   | 3.6  | 7.3 | 3.3 | 3.3 | 0.0 |
| 7                    | --- | --- | ---   | --- | ---  | 0.0 | 0.9   | 3.6  | 7.3 | 3.3 | 3.3 | 0.0 |
| 8                    | --- | --- | ---   | --- | ---  | 0.0 | 0.0   | 3.6  | 7.3 | 3.3 | 3.3 | 0.0 |
| 9                    | --- | --- | ---   | --- | ---  | 0.0 | 0.0   | 3.6  | 7.3 | 3.3 | 3.3 | 0.0 |
| 10                   | --- | --- | ---   | --- | ---  | 0.0 | 0.0   | 3.6  | 7.3 | 3.3 | 3.3 | 0.0 |
| 11                   | --- | --- | ---   | --- | ---  | 0.0 | 0.0   | 3.6  | 7.3 | 3.3 | 3.3 | 0.0 |
| 12                   | --- | --- | ---   | --- | ---  | 0.0 | 0.0   | 3.5  | 7.3 | 3.3 | 3.3 | 0.0 |
| 13                   | --- | --- | ---   | --- | ---  | 0.0 | 0.0   | 3.5  | 7.3 | 3.3 | 3.3 | 0.0 |
| 14                   | --- | --- | ---   | --- | ---  | 0.0 | 0.0   | 3.5  | 7.3 | 3.3 | 3.3 | 0.0 |
| 15                   | --- | --- | ---   | --- | ---  | 0.0 | 0.0   | 3.5  | 7.3 | 3.3 | 3.3 | 0.0 |
| 16                   | --- | --- | ---   | --- | ---  | 0.0 | 0.0   | 3.5  | 7.3 | 3.3 | 3.3 | 0.0 |
| 17                   | --- | --- | ---   | --- | ---  | 0.0 | 0.0   | 3.5  | 7.3 | 3.3 | 3.3 | 0.0 |
| 18                   | --- | --- | ---   | --- | ---  | 0.0 | 0.0   | 4.9  | 7.3 | 3.3 | 3.3 | 0.0 |
| 19                   | --- | --- | ---   | --- | ---  | 0.0 | 0.0   | 5.4  | 8.2 | 3.3 | 3.3 | 0.0 |
| 20                   | --- | --- | ---   | --- | ---  | 0.0 | 0.0   | 5.4  | 8.2 | 3.3 | 3.3 | 0.0 |
| 21                   | --- | --- | ---   | --- | ---  | 0.0 | 0.0   | 5.4  | 8.2 | 3.3 | 3.3 | 0.0 |
| 22                   | --- | --- | ---   | --- | ---  | 0.0 | 0.0   | 5.4  | 8.2 | 3.3 | 3.3 | 0.0 |
| 23                   | --- | --- | ---   | --- | ---  | 0.0 | 0.0   | 5.4  | 8.2 | 3.3 | 3.3 | 0.0 |
| 24                   | --- | --- | ---   | --- | ---  | 0.9 | 0.0   | 5.4  | 8.2 | 3.3 | 3.3 | 0.0 |
| 25                   | --- | --- | ---   | --- | ---  | 0.9 | 0.0   | 6.9  | 8.2 | 3.3 | 3.3 | 0.0 |
| 26                   | --- | --- | ---   | --- | ---  | 0.9 | 0.0   | 6.9  | 8.2 | 3.3 | 3.3 | 0.0 |
| 27                   | --- | --- | ---   | --- | ---  | 0.8 | 0.0   | 6.9  | 8.2 | 3.3 | 3.3 | 0.0 |
| 28                   | --- | --- | ---   | --- | ---  | 0.8 | 0.0   | 6.9  | 8.2 | 3.3 | 3.3 | 0.0 |
| 29                   | --- | --- | ---   | --- | ---  | 0.8 | 0.0   | 6.9  | 8.2 | 3.3 | 3.3 | 0.0 |
| 30                   | --- | --- | ---   | --- | ---  | 0.5 | 0.0   | 6.9  | 8.2 | 3.3 | 3.3 | 0.0 |
| 31                   | --- | --- | ---   | --- | ---  | 0.9 | 1.7   | 6.9  | 8.2 | 3.3 | 3.3 | 0.0 |
| TOTAL                |     |     |       |     |      | --- | 3.1   | ---  | --- | --- | --- | --- |
| MEAN                 |     |     |       |     |      | 7   | 10    | 142  | 175 | 103 | 81  | 0   |
| MAX                  |     |     |       |     |      | 0.2 | 0.3   | 4.7  | 5.6 | 3.3 | 2.7 | 0.0 |
| MIN                  |     |     |       |     |      | 0.9 | 3.1   | 6.9  | 8.2 | 4.3 | 3.3 | 0.0 |
| AC-FT                |     |     |       |     |      | 0.0 | 0.0   | 3.3  | 3.3 | 3.3 | 0.0 | 0.0 |
|                      |     |     |       |     |      | 13  | 20    | 281  | 347 | 205 | 161 | 0   |
| IRRIGATION YEAR 1991 |     |     | TOTAL | 518 | MEAN | 1   | AC-FT | 1026 |     |     |     |     |

A-26

13203000 NEW YORK CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN   | FEB    | MAR   | APR   | MAY   | JUN    | JUL    | AUG    | SEP   | OCT |
|----------------------|-----|-----|-------|--------|-------|-------|-------|--------|--------|--------|-------|-----|
| 1                    | 0.0 | 0.0 | 0.0   | 0.0    |       |       |       |        |        |        |       |     |
| 2                    | 0.0 | 0.0 | 0.0   | 0.0    | 805   | 1022  | 1165  | 1310   | 2000   | 2236   | 2043  | --- |
| 3                    | 0.0 | 0.0 | 0.0   | 0.0    | 804   | 1014  | 1218  | 1295   | 1981   | 2276   | 2001  | --- |
| 4                    | 0.0 | 0.0 | 0.0   | 0.0    | 803   | 976   | 1218  | 1294   | 1969   | 2288   | 1890  | --- |
| 5                    | 0.0 | 0.0 | 0.0   | 0.0    | 803   | 992   | 1249  | 1366   | 1975   | 2285   | 1888  | --- |
|                      |     |     |       |        | 802   | 1005  | 1286  | 1405   | 1949   | 2280   | 1861  | --- |
| 6                    | 0.0 | 0.0 | 0.0   | 0.0    |       |       |       |        |        |        |       |     |
| 7                    | 0.0 | 0.0 | 0.0   | 0.0    | 807   | 1013  | 1369  | 1405   | 2008   | 2268   | 1842  | --- |
| 8                    | 0.0 | 0.0 | 0.0   | 0.0    | 804   | 1014  | 1435  | 1405   | 2045   | 2263   | 1838  | --- |
| 9                    | 0.0 | 0.0 | 0.0   | 0.0    | 803   | 1064  | 1476  | 1406   | 2088   | 2254   | 1835  | --- |
| 10                   | 0.0 | 0.0 | 0.0   | 0.0    | 803   | 1069  | 1493  | 1408   | 2156   | 2233   | 1806  | --- |
|                      |     |     |       |        | 801   | 1075  | 1460  | 1465   | 2215   | 2213   | 1763  | --- |
| 11                   | 0.0 | 0.0 | 0.0   | 0.0    |       |       |       |        |        |        |       |     |
| 12                   | 0.0 | 0.0 | 0.0   | 0.0    | 869   | 1070  | 1441  | 1591   | 2234   | 2205   | 1594  | --- |
| 13                   | 0.0 | 0.0 | 0.0   | 0.0    | 962   | 1057  | 1441  | 1667   | 2152   | 2192   | 1496  | --- |
| 14                   | 0.0 | 0.0 | 0.0   | 0.0    | 1001  | 1046  | 1441  | 1715   | 2165   | 2223   | 1456  | --- |
| 15                   | 0.0 | 0.0 | 0.0   | 0.0    | 1004  | 1045  | 1431  | 1688   | 2163   | 2248   | 1358  | --- |
|                      |     |     |       |        | 1013  | 848   | 1423  | 1689   | 2165   | 2249   | 1311  | --- |
| 16                   | 0.0 | 0.0 | 0.0   | 0.0    |       |       |       |        |        |        |       |     |
| 17                   | 0.0 | 0.0 | 0.0   | 0.0    | 1008  | 1028  | 1419  | 1702   | 2186   | 2249   | 1297  | --- |
| 18                   | 0.0 | 0.0 | 0.0   | 0.0    | 1006  | 960   | 1408  | 1750   | 2197   | 2248   | 1275  | --- |
| 19                   | 0.0 | 0.0 | 0.0   | 0.0    | 1004  | 950   | 1275  | 1835   | 2202   | 2248   | 1266  | --- |
| 20                   | 0.0 | 0.0 | 0.0   | 0.0    | 1000  | 808   | 1213  | 1869   | 2248   | 2250   | 1265  | --- |
|                      |     |     |       |        | 998   | 784   | 1163  | 1869   | 2280   | 2253   | 1319  | --- |
| 21                   | 0.0 | 0.0 | 0.0   | 233    | 1004  | 770   | 1109  | 1914   | 2286   | 2253   |       | --- |
| 22                   | 0.0 | 0.0 | 0.0   | 533    | 994   | 807   | 1098  | 1940   | 2288   | 2256   | 1273  | --- |
| 23                   | 0.0 | 0.0 | 0.0   | 616    | 990   | 900   | 1097  | 1941   | 2283   | 2336   | 1252  | --- |
| 24                   | 0.0 | 0.0 | 0.0   | 612    | 990   | 1042  | 1085  | 1972   | 2277   | 2304   | 1247  | --- |
| 25                   | 0.0 | 0.0 | 0.0   | 736    | 994   | 1107  | 1130  | 1994   | 2267   | 2290   | 1214  | --- |
| 26                   | 0.0 | 0.0 | 0.0   |        |       |       |       |        |        |        |       |     |
| 27                   | 0.0 | 0.0 | 0.0   | 800    | 991   | 1106  | 1150  | 2011   | 2153   |        | 1194  | --- |
| 28                   | 0.0 | 0.0 | 0.0   | 803    | 993   | 1107  |       |        |        |        |       | --- |
| 29                   | 0.0 | 0.0 | 0.0   | 805    | 985   | 1106  | 1216  | 2011   | 2133   | 2293   | 1197  | --- |
| 30                   | 0.0 | 0.0 | 0.0   | ---    | 999   | 1108  | 1313  | 2010   | 2120   | 2288   | 1203  | --- |
| 31                   | --- | 0.0 | 0.0   | ---    | 1007  | 1090  | 1370  | 2008   | 2165   | 2287   | 1209  | --- |
|                      |     |     |       |        | 1017  | ---   | 1370  | 1999   | 2199   | 2289   | 1210  | --- |
|                      |     |     |       |        |       |       | 1356  | ---    | 2198   | 2252   | 475   | --- |
| TOTAL                | 0   | 0   | 0     |        |       |       |       |        |        |        |       | --- |
| MEAN                 | 0.0 | 0.0 | 0     | 5138   | 28864 | 29982 | 40317 | 50932  | 66742  | 69922  | 43877 | --- |
| MAX                  | 0.0 | 0.0 | 0.0   | 184    | 931   | 999   | 1301  | 1698   | 2153   | 2256   | 1463  | --- |
| MIN                  | 0.0 | 0.0 | 0.0   | 805    | 1017  | 1108  | 1493  | 2011   | 2288   | 2336   | 2043  | --- |
| AC-FT                | 0   | 0   | 0     | 0      | 801   | 770   | 1085  | 1294   | 1949   | 2115   | 475   | --- |
|                      |     |     |       | 10192  | 57252 | 59470 | 79968 | 101023 | 132382 | 138691 | 87030 | --- |
| IRRIGATION YEAR 1991 |     |     | TOTAL | 335774 | MEAN  | 920   | AC-FT | 666008 |        |        |       |     |

20-NOV-91

13203527 SURPRISE VLY FARMS  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR  | APR | MAY   | JUN | JUL | AUG | SEP | OCT |
|----------------------|-----|-----|-----|-----|------|-----|-------|-----|-----|-----|-----|-----|
| 1                    | --- | --- | --- | --- | ---  | 0.0 | 2.6   | 1.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 2                    | --- | --- | --- | --- | ---  | 0.0 | 3.0   | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 3                    | --- | --- | --- | --- | ---  | 0.0 | 3.0   | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 4                    | --- | --- | --- | --- | ---  | 0.0 | 3.0   | 3.0 | 3.0 | 3.0 | 2.5 | 3.0 |
| 5                    | --- | --- | --- | --- | ---  | 0.0 | 3.0   | 3.0 | 3.0 | 3.0 | 2.0 | 3.0 |
| 6                    | --- | --- | --- | --- | ---  | 0.0 | 3.0   | 3.0 | 3.0 | 3.0 | 2.0 | 3.0 |
| 7                    | --- | --- | --- | --- | ---  | 0.0 | 3.0   | 3.0 | 3.0 | 3.0 | 1.5 | 3.0 |
| 8                    | --- | --- | --- | --- | ---  | 0.0 | 3.0   | 3.0 | 3.0 | 3.0 | 1.0 | 3.0 |
| 9                    | --- | --- | --- | --- | ---  | 0.0 | 3.0   | 3.0 | 3.0 | 3.0 | 0.5 | 3.0 |
| 10                   | --- | --- | --- | --- | ---  | 0.0 | 3.0   | 3.0 | 3.0 | 3.0 | 0.0 | 3.0 |
| 11                   | --- | --- | --- | --- | ---  | 0.0 | 3.0   | 3.0 | 3.0 | 3.0 | 0.0 | 3.0 |
| 12                   | --- | --- | --- | --- | ---  | 0.0 | 3.0   | 3.0 | 3.0 | 3.0 | 0.0 | 3.0 |
| 13                   | --- | --- | --- | --- | ---  | 0.4 | 3.0   | 3.0 | 3.0 | 3.0 | 0.0 | 3.0 |
| 14                   | --- | --- | --- | --- | ---  | 0.9 | 3.0   | 3.0 | 3.0 | 3.0 | 0.0 | 3.0 |
| 15                   | --- | --- | --- | --- | ---  | 1.3 | 3.0   | 3.0 | 3.0 | 3.0 | 0.0 | 3.0 |
| 16                   | --- | --- | --- | --- | ---  | 1.7 | 3.0   | 3.0 | 3.0 | 3.0 | 0.0 | 3.0 |
| 17                   | --- | --- | --- | --- | ---  | 2.1 | 3.0   | 3.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 18                   | --- | --- | --- | --- | ---  | 2.6 | 2.5   | 3.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 19                   | --- | --- | --- | --- | ---  | 3.0 | 2.0   | 3.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 20                   | --- | --- | --- | --- | ---  | 2.6 | 1.5   | 2.5 | 3.0 | 3.0 | 0.0 | 0.0 |
| 21                   | --- | --- | --- | --- | ---  | 2.1 | 1.0   | 2.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 22                   | --- | --- | --- | --- | ---  | 1.7 | 0.5   | 1.5 | 3.0 | 3.0 | 0.0 | 0.0 |
| 23                   | --- | --- | --- | --- | ---  | 1.3 | 0.0   | 1.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 24                   | --- | --- | --- | --- | ---  | 0.9 | 0.0   | 0.5 | 3.0 | 3.0 | 0.0 | 0.0 |
| 25                   | --- | --- | --- | --- | ---  | 0.4 | 0.0   | 0.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 26                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 27                   | --- | --- | --- | --- | ---  | 0.4 | 0.0   | 0.5 | 3.0 | 3.0 | 0.0 | 0.0 |
| 28                   | --- | --- | --- | --- | ---  | 0.9 | 0.0   | 1.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 29                   | --- | --- | --- | --- | ---  | 1.3 | 0.0   | 1.5 | 3.0 | 3.0 | 0.0 | 0.0 |
| 30                   | --- | --- | --- | --- | ---  | 1.7 | 0.0   | 2.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 31                   | --- | --- | --- | --- | ---  | 2.1 | 0.0   | 2.5 | 3.0 | 3.0 | 0.0 | 0.0 |
| TOTAL                |     |     |     |     |      | --- | 0.0   | --- | 3.0 | 3.0 | 0.0 | 0.0 |
| MEAN                 |     |     |     |     |      | 27  | 55    | 66  | 93  | 93  | --- | 0.0 |
| MAX                  |     |     |     |     |      | 0.9 | 1.8   | 2.2 | 3.0 | 3.0 | 17  | 42  |
| MIN                  |     |     |     |     |      | 3.0 | 3.0   | 3.0 | 3.0 | 3.0 | 0.6 | 1.4 |
| AC-FT                |     |     |     |     |      | 0.0 | 0.0   | 0.0 | 3.0 | 3.0 | 3.0 | 3.0 |
|                      |     |     |     |     |      | 54  | 109   | 131 | 184 | 184 | 0.0 | 0.0 |
| IRRIGATION YEAR 1991 |     |     |     |     |      |     |       |     |     |     |     |     |
| TOTAL                |     |     |     | 393 | MEAN | 1   | AC-FT | 779 |     |     | 33  | 83  |

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20-NOV-91

13203760 RIDENBAUGH CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN   | FEB   | MAR  | APR   | MAY   | JUN    | JUL   | AUG   | SEP  | OCT |
|----------------------|-----|-----|-------|-------|------|-------|-------|--------|-------|-------|------|-----|
| 1                    | --- | --- | ---   | ---   | ---  | 0.0   | 489   | 501    | 518   | 389   | 388  | 0.0 |
| 2                    | --- | --- | ---   | ---   | ---  | 0.0   | 495   | 500    | 518   | 389   | 388  | 0.0 |
| 3                    | --- | --- | ---   | ---   | ---  | 0.0   | 500   | 500    | 518   | 388   | 388  | 0.0 |
| 4                    | --- | --- | ---   | ---   | ---  | 0.0   | 506   | 500    | 517   | 387   | 388  | 0.0 |
| 5                    | --- | --- | ---   | ---   | ---  | 17    | 512   | 504    | 517   | 386   | 388  | 0.0 |
| 6                    | --- | --- | ---   | ---   | ---  | 50    | 518   | 507    | 516   | 386   | 389  | 0.0 |
| 7                    | --- | --- | ---   | ---   | ---  | 125   | 518   | 511    | 516   | 387   | 389  | 0.0 |
| 8                    | --- | --- | ---   | ---   | ---  | 200   | 517   | 515    | 515   | 388   | 389  | 0.0 |
| 9                    | --- | --- | ---   | ---   | ---  | 240   | 517   | 519    | 385   | 389   | 389  | 0.0 |
| 10                   | --- | --- | ---   | ---   | ---  | 340   | 517   | 522    | 386   | 389   | 389  | 0.0 |
| 11                   | --- | --- | ---   | ---   | ---  | 340   | 517   | 526    | 387   | 390   | 97   | 0.0 |
| 12                   | --- | --- | ---   | ---   | ---  | 340   | 516   | 525    | 388   | 391   | 0.0  | 0.0 |
| 13                   | --- | --- | ---   | ---   | ---  | 340   | 516   | 523    | 388   | 391   | 0.0  | 0.0 |
| 14                   | --- | --- | ---   | ---   | ---  | 340   | 511   | 522    | 389   | 391   | 0.0  | 0.0 |
| 15                   | --- | --- | ---   | ---   | ---  | 380   | 505   | 520    | 390   | 391   | 0.0  | 0.0 |
| 16                   | --- | --- | ---   | ---   | ---  | 420   | 500   | 519    | 390   | 391   | 0.0  | 0.0 |
| 17                   | --- | --- | ---   | ---   | ---  | 427   | 495   | 517    | 390   | 391   | 0.0  | 0.0 |
| 18                   | --- | --- | ---   | ---   | ---  | 433   | 490   | 517    | 390   | 391   | 0.0  | 0.0 |
| 19                   | --- | --- | ---   | ---   | ---  | 440   | 484   | 518    | 391   | 391   | 0.0  | 0.0 |
| 20                   | --- | --- | ---   | ---   | ---  | 447   | 479   | 519    | 391   | 391   | 0.0  | 0.0 |
| 21                   | --- | --- | ---   | ---   | ---  | 453   | 482   | 520    | 392   | 391   | 0.0  | 0.0 |
| 22                   | --- | --- | ---   | ---   | ---  | 460   | 485   | 521    | 392   | 391   | 0.0  | 0.0 |
| 23                   | --- | --- | ---   | ---   | ---  | 462   | 488   | 522    | 392   | 391   | 0.0  | 0.0 |
| 24                   | --- | --- | ---   | ---   | ---  | 465   | 491   | 523    | 392   | 391   | 0.0  | 0.0 |
| 25                   | --- | --- | ---   | ---   | ---  | 467   | 493   | 523    | 392   | 390   | 0.0  | 0.0 |
| 26                   | --- | --- | ---   | ---   | ---  | 470   | 496   | 522    | 392   | 390   | 0.0  | 0.0 |
| 27                   | --- | --- | ---   | ---   | ---  | 472   | 499   | 521    | 391   | 390   | 0.0  | 0.0 |
| 28                   | --- | --- | ---   | ---   | ---  | 475   | 502   | 521    | 391   | 390   | 0.0  | 0.0 |
| 29                   | --- | --- | ---   | ---   | ---  | 477   | 502   | 520    | 391   | 390   | 0.0  | 0.0 |
| 30                   | --- | --- | ---   | ---   | ---  | 483   | 502   | 519    | 391   | 389   | 0.0  | 0.0 |
| 31                   | --- | --- | ---   | ---   | ---  | ---   | 501   | ---    | 390   | 389   | 0.0  | 0.0 |
| TOTAL                |     |     |       |       |      | 9563  | 15542 | 15495  | 13105 | 12075 | 3982 | 0   |
| MEAN                 |     |     |       |       |      | 319   | 501   | 517    | 518   | 390   | 133  | 0.0 |
| MAX                  |     |     |       |       |      | 483   | 518   | 526    | 518   | 391   | 389  | 0.0 |
| MIN                  |     |     |       |       |      | 0.0   | 479   | 500    | 385   | 386   | 0.0  | 0.0 |
| AC-FT                |     |     |       |       |      | 18968 | 30829 | 30735  | 25993 | 23951 | 7898 | 0   |
| IRRIGATION YEAR 1991 |     |     | TOTAL | 69762 | MEAN | 191   | AC-FT | 138373 |       |       |      |     |

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20-NOV-91

13204005 BUBB CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN   | FEB  | MAR  | APR | MAY   | JUN  | JUL | AUG | SEP | OCT |
|----------------------|-----|-----|-------|------|------|-----|-------|------|-----|-----|-----|-----|
| 1                    | --- | --- | ---   | ---  | ---  | 0.0 | 8.6   | 9.0  | 9.0 | 7.0 | 6.0 | 0.0 |
| 2                    | --- | --- | ---   | ---  | ---  | 0.0 | 8.7   | 9.0  | 9.0 | 7.0 | 7.0 | 0.0 |
| 3                    | --- | --- | ---   | ---  | ---  | 0.0 | 8.8   | 9.0  | 8.7 | 7.0 | 7.0 | 0.0 |
| 4                    | --- | --- | ---   | ---  | ---  | 0.0 | 8.8   | 9.0  | 8.3 | 7.0 | 7.0 | 0.0 |
| 5                    | --- | --- | ---   | ---  | ---  | 0.0 | 8.9   | 9.0  | 8.0 | 7.0 | 7.0 | 0.0 |
| 6                    | --- | --- | ---   | ---  | ---  | 0.0 | 9.0   | 9.0  | 7.7 | 7.0 | 6.0 | 0.0 |
| 7                    | --- | --- | ---   | ---  | ---  | 0.0 | 8.9   | 9.0  | 7.3 | 7.0 | 6.0 | 0.0 |
| 8                    | --- | --- | ---   | ---  | ---  | 0.0 | 8.7   | 9.0  | 7.0 | 3.0 | 6.0 | 0.0 |
| 9                    | --- | --- | ---   | ---  | ---  | 0.0 | 8.6   | 9.0  | 7.0 | 0.0 | 7.0 | 0.0 |
| 10                   | --- | --- | ---   | ---  | ---  | 0.0 | 8.4   | 9.0  | 7.0 | 0.0 | 6.0 | 0.0 |
| 11                   | --- | --- | ---   | ---  | ---  | 0.0 | 8.3   | 9.0  | 7.0 | 3.0 | 6.0 | 0.0 |
| 12                   | --- | --- | ---   | ---  | ---  | 0.0 | 8.1   | 9.0  | 7.0 | 7.0 | 6.0 | 0.0 |
| 13                   | --- | --- | ---   | ---  | ---  | 0.0 | 8.0   | 9.0  | 7.0 | 7.0 | 6.0 | 0.0 |
| 14                   | --- | --- | ---   | ---  | ---  | 0.0 | 8.1   | 9.0  | 7.0 | 0.0 | 6.0 | 0.0 |
| 15                   | --- | --- | ---   | ---  | ---  | 0.0 | 8.3   | 9.0  | 7.0 | 7.0 | 0.0 | 0.0 |
| 16                   | --- | --- | ---   | ---  | ---  | 0.0 | 8.4   | 9.0  | 7.0 | 3.0 | 0.0 | 0.0 |
| 17                   | --- | --- | ---   | ---  | ---  | 0.0 | 8.6   | 9.0  | 7.0 | 0.0 | 0.0 | 0.0 |
| 18                   | --- | --- | ---   | ---  | ---  | 0.0 | 8.7   | 9.0  | 7.0 | 0.0 | 0.0 | 0.0 |
| 19                   | --- | --- | ---   | ---  | ---  | 0.0 | 8.9   | 9.0  | 7.0 | 3.0 | 0.0 | 0.0 |
| 20                   | --- | --- | ---   | ---  | ---  | 0.0 | 9.0   | 9.0  | 7.0 | 7.0 | 0.0 | 0.0 |
| 21                   | --- | --- | ---   | ---  | ---  | 0.0 | 9.0   | 9.0  | 7.0 | 7.0 | 0.0 | 0.0 |
| 22                   | --- | --- | ---   | ---  | ---  | 0.0 | 9.0   | 9.0  | 7.0 | 7.0 | 0.0 | 0.0 |
| 23                   | --- | --- | ---   | ---  | ---  | 4.0 | 9.0   | 9.0  | 7.0 | 7.0 | 0.0 | 0.0 |
| 24                   | --- | --- | ---   | ---  | ---  | 8.0 | 9.0   | 9.0  | 7.0 | 7.0 | 0.0 | 0.0 |
| 25                   | --- | --- | ---   | ---  | ---  | 8.1 | 9.0   | 9.0  | 7.0 | 7.0 | 0.0 | 0.0 |
| 26                   | --- | --- | ---   | ---  | ---  | 8.2 | 9.0   | 9.0  | 7.0 | 6.0 | 0.0 | 0.0 |
| 27                   | --- | --- | ---   | ---  | ---  | 8.2 | 9.0   | 9.0  | 7.0 | 6.0 | 0.0 | 0.0 |
| 28                   | --- | --- | ---   | ---  | ---  | 8.3 | 9.0   | 9.0  | 7.0 | 7.0 | 0.0 | 0.0 |
| 29                   | --- | --- | ---   | ---  | ---  | 8.4 | 9.0   | 9.0  | 7.0 | 7.0 | 0.0 | 0.0 |
| 30                   | --- | --- | ---   | ---  | ---  | 8.5 | 9.0   | 9.0  | 7.0 | 7.0 | 0.0 | 0.0 |
| 31                   | --- | --- | ---   | ---  | ---  | 8.5 | 9.0   | 9.0  | 7.0 | 7.0 | 0.0 | 0.0 |
| TOTAL                |     |     |       |      |      | --- | 9.0   | ---  | 7.0 | 6.0 | 0.0 | 0.0 |
| MEAN                 |     |     |       |      |      | 70  | 271   |      | 7.0 | 6.0 | --- | 0.0 |
| MAX                  |     |     |       |      |      | 2.3 | 8.7   | 270  | 226 | 169 | 89  | 0   |
| MIN                  |     |     |       |      |      | 8.5 | 9.0   | 9.0  | 7.3 | 5.5 | 3.0 | 0.0 |
| AC-FT                |     |     |       |      |      | 0.0 | 8.0   | 9.0  | 7.0 | 7.0 | 7.0 | 0.0 |
|                      |     |     |       |      |      | 139 | 537   | 536  | 448 | 335 | 177 | 0   |
| IRRIGATION YEAR 1991 |     |     | TOTAL | 1095 | MEAN | 3   | AC-FT | 2171 |     |     |     |     |

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20-NOV-91

13204020 MEEVES CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR | MAY  | JUN | JUL   | AUG | SEP | OCT |
|----------------------|-----|-----|-----|-----|-----|-----|------|-----|-------|-----|-----|-----|
| 1                    | --- | --- | --- | --- | --- | 0.0 | 0.7  | 0.3 | 0.0   | 0.3 | 0.2 | 0.0 |
| 2                    | --- | --- | --- | --- | --- | 0.0 | 0.6  | 0.2 | 0.0   | 0.5 | 0.0 | 0.0 |
| 3                    | --- | --- | --- | --- | --- | 0.0 | 0.4  | 0.0 | 0.2   | 0.7 | 0.0 | 0.0 |
| 4                    | --- | --- | --- | --- | --- | 0.0 | 0.3  | 0.0 | 0.3   | 0.8 | 0.0 | 0.0 |
| 5                    | --- | --- | --- | --- | --- | 0.0 | 0.1  | 0.2 | 0.5   | 1.0 | 0.0 | 0.0 |
| 6                    | --- | --- | --- | --- | --- | 0.0 | 0.0  | 0.3 | 0.7   | 1.0 | 0.0 | 0.0 |
| 7                    | --- | --- | --- | --- | --- | 0.0 | 0.0  | 0.5 | 0.8   | 0.8 | 0.0 | 0.0 |
| 8                    | --- | --- | --- | --- | --- | 0.0 | 0.0  | 0.7 | 1.0   | 0.7 | 0.0 | 0.0 |
| 9                    | --- | --- | --- | --- | --- | 0.0 | 0.0  | 0.8 | 1.0   | 0.5 | 0.0 | 0.0 |
| 10                   | --- | --- | --- | --- | --- | 0.0 | 0.0  | 1.0 | 0.8   | 0.3 | 0.0 | 0.0 |
| 11                   | --- | --- | --- | --- | --- | 0.0 | 0.0  | 1.0 | 0.7   | 0.2 | 0.0 | 0.0 |
| 12                   | --- | --- | --- | --- | --- | 0.0 | 0.0  | 0.8 | 0.5   | 0.0 | 0.0 | 0.0 |
| 13                   | --- | --- | --- | --- | --- | 0.0 | 0.0  | 0.7 | 0.3   | 0.0 | 0.0 | 0.0 |
| 14                   | --- | --- | --- | --- | --- | 0.0 | 0.1  | 0.5 | 0.2   | 0.0 | 0.0 | 0.0 |
| 15                   | --- | --- | --- | --- | --- | 0.0 | 0.3  | 0.3 | 0.0   | 0.0 | 0.0 | 0.0 |
| 16                   | --- | --- | --- | --- | --- | 0.0 | 0.4  | 0.2 | 0.0   | 0.0 | 0.0 | 0.0 |
| 17                   | --- | --- | --- | --- | --- | 0.0 | 0.6  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 |
| 18                   | --- | --- | --- | --- | --- | 0.0 | 0.7  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 |
| 19                   | --- | --- | --- | --- | --- | 0.0 | 0.9  | 0.2 | 0.0   | 0.0 | 0.0 | 0.0 |
| 20                   | --- | --- | --- | --- | --- | 0.0 | 1.0  | 0.3 | 0.0   | 0.0 | 0.0 | 0.0 |
| 21                   | --- | --- | --- | --- | --- | 0.0 | 1.0  | 0.5 | 0.0   | 0.2 | 0.0 | 0.0 |
| 22                   | --- | --- | --- | --- | --- | 0.0 | 1.0  | 0.7 | 0.0   | 0.3 | 0.0 | 0.0 |
| 23                   | --- | --- | --- | --- | --- | 0.1 | 1.0  | 0.8 | 0.0   | 0.5 | 0.0 | 0.0 |
| 24                   | --- | --- | --- | --- | --- | 0.3 | 1.0  | 1.0 | 0.0   | 0.7 | 0.0 | 0.0 |
| 25                   | --- | --- | --- | --- | --- | 0.4 | 1.0  | 1.0 | 0.0   | 0.8 | 0.0 | 0.0 |
| 26                   | --- | --- | --- | --- | --- | 0.6 | 1.0  | 0.8 | 0.0   | 1.0 | 0.0 | 0.0 |
| 27                   | --- | --- | --- | --- | --- | 0.7 | 1.0  | 0.7 | 0.0   | 1.0 | 0.0 | 0.0 |
| 28                   | --- | --- | --- | --- | --- | 0.9 | 1.0  | 0.5 | 0.0   | 1.0 | 0.0 | 0.0 |
| 29                   | --- | --- | --- | --- | --- | 1.0 | 0.8  | 0.3 | 0.0   | 0.8 | 0.0 | 0.0 |
| 30                   | --- | --- | --- | --- | --- | 0.9 | 0.7  | 0.2 | 0.0   | 0.7 | 0.0 | 0.0 |
| 31                   | --- | --- | --- | --- | --- | --- | 0.5  | --- | 0.2   | 0.3 | --- | 0.0 |
| TOTAL                |     |     |     |     |     | 5   | 16   | 15  | 7     | 14  | 0   | 0   |
| MEAN                 |     |     |     |     |     | 0.2 | 0.5  | 0.5 | 0.2   | 0.4 | 0.0 | 0.0 |
| MAX                  |     |     |     |     |     | 1.0 | 1.0  | 1.0 | 1.0   | 1.0 | 0.2 | 0.0 |
| MIN                  |     |     |     |     |     | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 |
| AC-FT                |     |     |     |     |     | 10  | 32   | 29  | 14    | 27  | 0   | 0   |
| IRRIGATION YEAR 1991 |     |     |     |     |     |     |      |     |       |     |     |     |
| TOTAL                |     |     |     |     |     | 57  | MEAN | 0   | AC-FT | 112 |     |     |

A-31

20-NOV-91

13204060 ROSSI MILL CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR  | MAY  | JUN | JUL   | AUG  | SEP | OCT |
|----------------------|-----|-----|-----|-----|-----|------|------|-----|-------|------|-----|-----|
| 1                    | --- | --- | --- | --- | --- | 0.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 6.0 |
| 2                    | --- | --- | --- | --- | --- | 0.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 6.0 |
| 3                    | --- | --- | --- | --- | --- | 0.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 6.0 |
| 4                    | --- | --- | --- | --- | --- | 0.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 6.0 |
| 5                    | --- | --- | --- | --- | --- | 0.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 6.0 |
| 6                    | --- | --- | --- | --- | --- | 0.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 6.0 |
| 7                    | --- | --- | --- | --- | --- | 0.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 6.0 |
| 8                    | --- | --- | --- | --- | --- | 0.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 6.0 |
| 9                    | --- | --- | --- | --- | --- | 0.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 6.0 |
| 10                   | --- | --- | --- | --- | --- | 0.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 6.0 |
| 11                   | --- | --- | --- | --- | --- | 0.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 6.0 |
| 12                   | --- | --- | --- | --- | --- | 0.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 6.0 |
| 13                   | --- | --- | --- | --- | --- | 0.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 6.0 |
| 14                   | --- | --- | --- | --- | --- | 0.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 6.0 |
| 15                   | --- | --- | --- | --- | --- | 0.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 6.0 |
| 16                   | --- | --- | --- | --- | --- | 3.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 6.0 |
| 17                   | --- | --- | --- | --- | --- | 6.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 2.0 |
| 18                   | --- | --- | --- | --- | --- | 6.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 0.0 |
| 19                   | --- | --- | --- | --- | --- | 6.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 0.0 |
| 20                   | --- | --- | --- | --- | --- | 6.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 0.0 |
| 21                   | --- | --- | --- | --- | --- | 6.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 0.0 |
| 22                   | --- | --- | --- | --- | --- | 6.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 0.0 |
| 23                   | --- | --- | --- | --- | --- | 6.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 0.0 |
| 24                   | --- | --- | --- | --- | --- | 6.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 0.0 |
| 25                   | --- | --- | --- | --- | --- | 6.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 0.0 |
| 26                   | --- | --- | --- | --- | --- | 6.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 0.0 |
| 27                   | --- | --- | --- | --- | --- | 6.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 0.0 |
| 28                   | --- | --- | --- | --- | --- | 6.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 0.0 |
| 29                   | --- | --- | --- | --- | --- | 6.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 0.0 |
| 30                   | --- | --- | --- | --- | --- | 6.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 0.0 |
| 31                   | --- | --- | --- | --- | --- | 6.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 0.0 |
| TOTAL                |     |     |     |     |     | ---  | 6.0  | --- | 6.0   | 6.0  | 6.0 | 0.0 |
| MEAN                 |     |     |     |     |     | 93   | 186  |     | 186   | 186  | --- | 0.0 |
| MAX                  |     |     |     |     |     | 3.1  | 6.0  | 180 | 186   | 186  | 180 | 86  |
| MIN                  |     |     |     |     |     | 6.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 2.8 |
| AC-FT                |     |     |     |     |     | 0.0  | 6.0  | 6.0 | 6.0   | 6.0  | 6.0 | 6.0 |
|                      |     |     |     |     |     | 184  | 369  | 357 | 369   | 369  | 357 | 171 |
| IRRIGATION YEAR 1991 |     |     |     |     |     |      |      |     |       |      |     |     |
| TOTAL                |     |     |     |     |     | 1097 | MEAN | 3   | AC-FT | 2175 |     |     |

A-32

20-NOV-91

13204070 RIVER RUN  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN   | FEB  | MAR  | APR  | MAY   | JUN  | JUL  | AUG  | SEP  | OCT  |
|----------------------|-----|-----|-------|------|------|------|-------|------|------|------|------|------|
| 1                    | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 2                    | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 3                    | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 4                    | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 5                    | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 6                    | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 7                    | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 8                    | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 9                    | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 10                   | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 11                   | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 12                   | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 13                   | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 14                   | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 15                   | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 16                   | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 17                   | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 18                   | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 19                   | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 20                   | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 21                   | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 22                   | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 23                   | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 24                   | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 25                   | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 26                   | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 27                   | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 28                   | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 29                   | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 30                   | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| 31                   | --- | --- | ---   | ---  | ---  | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| TOTAL                |     |     |       |      |      | ---  | 18    | ---  | 18   | 18   | 18   | 18   |
| MEAN                 |     |     |       |      |      | 540  | 558   | ---  | 18   | 18   | ---  | 18   |
| MAX                  |     |     |       |      |      | 18   | 18    | 540  | 558  | 558  | 540  | 558  |
| MIN                  |     |     |       |      |      | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
| AC-FT                |     |     |       |      |      | 18   | 18    | 18   | 18   | 18   | 18   | 18   |
|                      |     |     |       |      |      | 1071 | 1107  | 1071 | 1107 | 1107 | 1071 | 1107 |
| IRRIGATION YEAR 1991 |     |     | TOTAL | 3852 | MEAN | 11   | AC-FT | 7640 |      |      |      |      |

A-33

20-NOV-91

13204190 BOISE CITY CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN   | FEB  | MAR  | APR | MAY   | JUN  | JUL  | AUG  | SEP  | OCT |
|----------------------|-----|-----|-------|------|------|-----|-------|------|------|------|------|-----|
| 1                    | --- | --- | ---   | ---  | ---  | 0.0 | 29    | 32   | 28   | 28   | 23   | 15  |
| 2                    | --- | --- | ---   | ---  | ---  | 0.0 | 29    | 33   | 28   | 28   | 23   | 15  |
| 3                    | --- | --- | ---   | ---  | ---  | 0.0 | 30    | 33   | 28   | 27   | 23   | 15  |
| 4                    | --- | --- | ---   | ---  | ---  | 0.0 | 30    | 33   | 28   | 27   | 23   | 16  |
| 5                    | --- | --- | ---   | ---  | ---  | 0.0 | 30    | 32   | 28   | 27   | 22   | 16  |
| 6                    | --- | --- | ---   | ---  | ---  | 0.0 | 30    | 32   | 28   | 27   | 22   | 16  |
| 7                    | --- | --- | ---   | ---  | ---  | 0.0 | 30    | 31   | 18   | 27   | 22   | 16  |
| 8                    | --- | --- | ---   | ---  | ---  | 0.0 | 29    | 30   | 0.0  | 27   | 21   | 16  |
| 9                    | --- | --- | ---   | ---  | ---  | 1.4 | 29    | 30   | 5.0  | 27   | 21   | 16  |
| 10                   | --- | --- | ---   | ---  | ---  | 2.9 | 29    | 29   | 28   | 26   | 21   | 16  |
| 11                   | --- | --- | ---   | ---  | ---  | 4.3 | 29    | 29   | 28   | 26   | 21   | 16  |
| 12                   | --- | --- | ---   | ---  | ---  | 5.7 | 28    | 29   | 28   | 26   | 20   | 16  |
| 13                   | --- | --- | ---   | ---  | ---  | 7.1 | 28    | 29   | 28   | 26   | 20   | 16  |
| 14                   | --- | --- | ---   | ---  | ---  | 8.6 | 28    | 30   | 28   | 26   | 19   | 16  |
| 15                   | --- | --- | ---   | ---  | ---  | 10  | 28    | 30   | 28   | 26   | 19   | 10  |
| 16                   | --- | --- | ---   | ---  | ---  | 10  | 28    | 30   | 28   | 26   | 19   | 0.0 |
| 17                   | --- | --- | ---   | ---  | ---  | 3.0 | 28    | 30   | 28   | 27   | 18   | 0.0 |
| 18                   | --- | --- | ---   | ---  | ---  | 10  | 28    | 30   | 28   | 27   | 18   | 0.0 |
| 19                   | --- | --- | ---   | ---  | ---  | 15  | 28    | 30   | 29   | 27   | 17   | 0.0 |
| 20                   | --- | --- | ---   | ---  | ---  | 19  | 28    | 30   | 29   | 27   | 17   | 0.0 |
| 21                   | --- | --- | ---   | ---  | ---  | 24  | 28    | 30   | 29   | 26   | 17   | 0.0 |
| 22                   | --- | --- | ---   | ---  | ---  | 28  | 29    | 30   | 29   | 26   | 16   | 0.0 |
| 23                   | --- | --- | ---   | ---  | ---  | 28  | 29    | 30   | 29   | 25   | 16   | 0.0 |
| 24                   | --- | --- | ---   | ---  | ---  | 28  | 29    | 30   | 29   | 24   | 16   | 0.0 |
| 25                   | --- | --- | ---   | ---  | ---  | 28  | 29    | 30   | 29   | 24   | 16   | 0.0 |
| 26                   | --- | --- | ---   | ---  | ---  | 29  | 30    | 30   | 29   | 24   | 16   | 0.0 |
| 27                   | --- | --- | ---   | ---  | ---  | 29  | 30    | 30   | 29   | 23   | 16   | 0.0 |
| 28                   | --- | --- | ---   | ---  | ---  | 29  | 30    | 29   | 28   | 23   | 16   | 0.0 |
| 29                   | --- | --- | ---   | ---  | ---  | 29  | 30    | 29   | 28   | 23   | 15   | 0.0 |
| 30                   | --- | --- | ---   | ---  | ---  | 29  | 31    | 29   | 28   | 23   | 15   | 0.0 |
| 31                   | --- | --- | ---   | ---  | ---  | 29  | 31    | 28   | 28   | 23   | 15   | 0.0 |
| TOTAL                |     |     |       |      |      | --- | 32    | ---  | 28   | 23   | ---  | 0.0 |
| MEAN                 |     |     |       |      |      | 377 | 903   | 906  | 814  | 798  | 564  | 231 |
| MAX                  |     |     |       |      |      | 13  | 29    | 30   | 26   | 26   | 19   | 7.4 |
| MIN                  |     |     |       |      |      | 29  | 32    | 33   | 29   | 28   | 23   | 16  |
| AC-FT                |     |     |       |      |      | 0.0 | 28    | 28   | 0.0  | 23   | 15   | 0.0 |
|                      |     |     |       |      |      | 748 | 1791  | 1797 | 1614 | 1582 | 1119 | 457 |
| IRRIGATION YEAR 1991 |     |     | TOTAL | 4592 | MEAN | 13  | AC-FT | 9108 |      |      |      |     |

A-34

13205515      SETTLERS CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN   | FEB   | MAR  | APR  | MAY   | JUN   | JUL  | AUG  | SEP  | OCT |
|----------------------|-----|-----|-------|-------|------|------|-------|-------|------|------|------|-----|
| 1                    | --- | --- | ---   | ---   | ---  | 0.0  | 124   | 159   | 185  | 122  | 90   | 0.0 |
| 2                    | --- | --- | ---   | ---   | ---  | 0.0  | 130   | 171   | 185  | 123  | 90   | 0.0 |
| 3                    | --- | --- | ---   | ---   | ---  | 0.0  | 135   | 183   | 185  | 124  | 90   | 0.0 |
| 4                    | --- | --- | ---   | ---   | ---  | 0.0  | 141   | 183   | 185  | 125  | 78   | 0.0 |
| 5                    | --- | --- | ---   | ---   | ---  | 0.0  | 147   | 183   | 185  | 126  | 65   | 0.0 |
| 6                    | --- | --- | ---   | ---   | ---  | 0.0  | 153   | 184   | 185  | 126  | 53   | 0.0 |
| 7                    | --- | --- | ---   | ---   | ---  | 0.0  | 154   | 184   | 185  | 126  | 40   | 0.0 |
| 8                    | --- | --- | ---   | ---   | ---  | 0.0  | 155   | 184   | 185  | 127  | 28   | 0.0 |
| 9                    | --- | --- | ---   | ---   | ---  | 15   | 156   | 185   | 185  | 127  | 15   | 0.0 |
| 10                   | --- | --- | ---   | ---   | ---  | 18   | 158   | 185   | 182  | 127  | 0.0  | 0.0 |
| 11                   | --- | --- | ---   | ---   | ---  | 21   | 159   | 185   | 180  | 128  | 0.0  | 0.0 |
| 12                   | --- | --- | ---   | ---   | ---  | 24   | 160   | 185   | 177  | 128  | 0.0  | 0.0 |
| 13                   | --- | --- | ---   | ---   | ---  | 26   | 161   | 185   | 175  | 128  | 0.0  | 0.0 |
| 14                   | --- | --- | ---   | ---   | ---  | 29   | 159   | 185   | 172  | 127  | 0.0  | 0.0 |
| 15                   | --- | --- | ---   | ---   | ---  | 32   | 157   | 185   | 154  | 126  | 0.0  | 0.0 |
| 16                   | --- | --- | ---   | ---   | ---  | 35   | 154   | 185   | 154  | 125  | 0.0  | 0.0 |
| 17                   | --- | --- | ---   | ---   | ---  | 38   | 152   | 185   | 153  | 123  | 0.0  | 0.0 |
| 18                   | --- | --- | ---   | ---   | ---  | 41   | 150   | 185   | 151  | 122  | 0.0  | 0.0 |
| 19                   | --- | --- | ---   | ---   | ---  | 44   | 148   | 185   | 150  | 121  | 0.0  | 0.0 |
| 20                   | --- | --- | ---   | ---   | ---  | 46   | 145   | 185   | 149  | 121  | 0.0  | 0.0 |
| 21                   | --- | --- | ---   | ---   | ---  | 49   | 143   | 185   | 147  | 121  | 0.0  | 0.0 |
| 22                   | --- | --- | ---   | ---   | ---  | 52   | 146   | 185   | 146  | 121  | 0.0  | 0.0 |
| 23                   | --- | --- | ---   | ---   | ---  | 75   | 148   | 185   | 146  | 121  | 0.0  | 0.0 |
| 24                   | --- | --- | ---   | ---   | ---  | 85   | 151   | 185   | 145  | 120  | 0.0  | 0.0 |
| 25                   | --- | --- | ---   | ---   | ---  | 95   | 154   | 185   | 144  | 120  | 0.0  | 0.0 |
| 26                   | --- | --- | ---   | ---   | ---  | 99   | 156   | 185   | 144  | 120  | 0.0  | 0.0 |
| 27                   | --- | --- | ---   | ---   | ---  | 104  | 159   | 185   | 143  | 120  | 0.0  | 0.0 |
| 28                   | --- | --- | ---   | ---   | ---  | 108  | 161   | 185   | 142  | 120  | 0.0  | 0.0 |
| 29                   | --- | --- | ---   | ---   | ---  | 112  | 164   | 185   | 141  | 90   | 0.0  | 0.0 |
| 30                   | --- | --- | ---   | ---   | ---  | 118  | 164   | 185   | 141  | 90   | 0.0  | 0.0 |
| 31                   | --- | --- | ---   | ---   | ---  | ---  | 169   | ---   | 133  | 90   | 0.0  | 0.0 |
| TOTAL                |     |     |       |       |      | 1265 | 4712  | 5501  | 5014 | 3704 | 548  | 0   |
| MEAN                 |     |     |       |       |      | 42   | 152   | 183   | 162  | 119  | 18   | 0.0 |
| MAX                  |     |     |       |       |      | 118  | 169   | 185   | 185  | 128  | 90   | 0.0 |
| MIN                  |     |     |       |       |      | 0.0  | 124   | 159   | 121  | 90   | 0.0  | 0.0 |
| AC-FT                |     |     |       |       |      | 2508 | 9346  | 10911 | 9944 | 7347 | 1086 | 0   |
| IRRIGATION YEAR 1991 |     |     | TOTAL | 20742 | MEAN | 57   | AC-FT | 41142 |      |      |      |     |

13205517 DAVIS CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR  | APR | MAY   | JUN  | JUL | AUG | SEP | OCT |
|----------------------|-----|-----|-----|-----|------|-----|-------|------|-----|-----|-----|-----|
| 1                    | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 2                    | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 3                    | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 4                    | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 5                    | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 6                    | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 7                    | --- | --- | --- | --- | ---  | 0.0 | 3.0   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 8                    | --- | --- | --- | --- | ---  | 0.0 | 6.0   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 9                    | --- | --- | --- | --- | ---  | 0.0 | 6.0   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 10                   | --- | --- | --- | --- | ---  | 0.0 | 6.0   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 11                   | --- | --- | --- | --- | ---  | 0.0 | 6.0   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 12                   | --- | --- | --- | --- | ---  | 0.0 | 6.0   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 13                   | --- | --- | --- | --- | ---  | 0.0 | 6.0   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 14                   | --- | --- | --- | --- | ---  | 0.0 | 6.0   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 15                   | --- | --- | --- | --- | ---  | 0.0 | 6.0   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 16                   | --- | --- | --- | --- | ---  | 0.0 | 6.0   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 17                   | --- | --- | --- | --- | ---  | 0.0 | 2.0   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 18                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 19                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 20                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 21                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 22                   | --- | --- | --- | --- | ---  | 0.0 | 5.0   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 23                   | --- | --- | --- | --- | ---  | 0.0 | 5.3   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 24                   | --- | --- | --- | --- | ---  | 0.0 | 5.7   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 25                   | --- | --- | --- | --- | ---  | 0.0 | 6.0   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 26                   | --- | --- | --- | --- | ---  | 0.0 | 6.3   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 27                   | --- | --- | --- | --- | ---  | 0.0 | 6.7   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
| 28                   | --- | --- | --- | --- | ---  | 0.0 | 7.0   | 7.0  | 7.0 | 7.0 | 4.0 | 0.0 |
| 29                   | --- | --- | --- | --- | ---  | 0.0 | 7.0   | 7.0  | 7.0 | 7.0 | 0.0 | 0.0 |
| 30                   | --- | --- | --- | --- | ---  | 0.0 | 7.0   | 7.0  | 7.0 | 7.0 | 0.0 | 0.0 |
| 31                   | --- | --- | --- | --- | ---  | 0.0 | 7.0   | 7.0  | 7.0 | 7.0 | 0.0 | 0.0 |
| TOTAL                |     |     |     |     |      | --- | 7.0   | ---  | 7.0 | 7.0 | --- | 0.0 |
| MEAN                 |     |     |     |     |      | 0   | 129   |      |     |     |     | 0.0 |
| MAX                  |     |     |     |     |      | 0.0 | 4.2   | 210  | 217 | 217 | 179 | 0   |
| MIN                  |     |     |     |     |      | 0.0 | 7.0   | 7.0  | 7.0 | 7.0 | 6.0 | 0.0 |
| AC-FT                |     |     |     |     |      | 0.0 | 0.0   | 7.0  | 7.0 | 7.0 | 7.0 | 0.0 |
|                      |     |     |     |     |      | 0   | 256   | 417  | 430 | 430 | 355 | 0   |
| IRRIGATION YEAR 1991 |     |     |     |     |      |     |       |      |     |     |     |     |
| TOTAL                |     |     |     | 952 | MEAN | 3   | AC-FT | 1888 |     |     |     |     |

20-NOV-91

13205613 BOISE CITY PARKS  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR  | MAY | JUN   | JUL | AUG | SEP | OCT |
|----------------------|-----|-----|-----|-----|-----|------|-----|-------|-----|-----|-----|-----|
| 1                    | --- | --- | --- | --- | --- | 0.0  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.3 |
| 2                    | --- | --- | --- | --- | --- | 0.0  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.3 |
| 3                    | --- | --- | --- | --- | --- | 0.0  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.3 |
| 4                    | --- | --- | --- | --- | --- | 0.0  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.3 |
| 5                    | --- | --- | --- | --- | --- | 0.0  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.3 |
| 6                    | --- | --- | --- | --- | --- | 0.0  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.3 |
| 7                    | --- | --- | --- | --- | --- | 0.0  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.3 |
| 8                    | --- | --- | --- | --- | --- | 0.0  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.3 |
| 9                    | --- | --- | --- | --- | --- | 0.0  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.3 |
| 10                   | --- | --- | --- | --- | --- | 0.0  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.3 |
| 11                   | --- | --- | --- | --- | --- | 0.0  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.3 |
| 12                   | --- | --- | --- | --- | --- | 0.0  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.3 |
| 13                   | --- | --- | --- | --- | --- | 0.0  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.3 |
| 14                   | --- | --- | --- | --- | --- | 0.0  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.3 |
| 15                   | --- | --- | --- | --- | --- | 0.0  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.3 |
| 16                   | --- | --- | --- | --- | --- | 0.0  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 17                   | --- | --- | --- | --- | --- | 0.0  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 18                   | --- | --- | --- | --- | --- | 0.0  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 19                   | --- | --- | --- | --- | --- | 0.3  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 20                   | --- | --- | --- | --- | --- | 0.3  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 21                   | --- | --- | --- | --- | --- | 0.3  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 22                   | --- | --- | --- | --- | --- | 0.3  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 23                   | --- | --- | --- | --- | --- | 0.3  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 24                   | --- | --- | --- | --- | --- | 0.3  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 25                   | --- | --- | --- | --- | --- | 0.3  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 26                   | --- | --- | --- | --- | --- | 0.3  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 27                   | --- | --- | --- | --- | --- | 0.3  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 28                   | --- | --- | --- | --- | --- | 0.3  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 29                   | --- | --- | --- | --- | --- | 0.3  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 30                   | --- | --- | --- | --- | --- | 0.3  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 31                   | --- | --- | --- | --- | --- | 0.3  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| TOTAL                |     |     |     |     |     | ---  | 0.2 | ---   | 0.2 | 0.2 | 0.2 | 0.0 |
| MEAN                 |     |     |     |     |     | 4    | 6   | 6     | 6   | 6   | 6   | 4   |
| MAX                  |     |     |     |     |     | 0.1  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.1 |
| MIN                  |     |     |     |     |     | 0.3  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.3 |
| AC-FT                |     |     |     |     |     | 0.0  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
|                      |     |     |     |     |     | 8    | 12  | 12    | 12  | 12  | 12  | 8   |
| IRRIGATION YEAR 1991 |     |     |     |     |     |      |     |       |     |     |     |     |
| TOTAL                |     |     |     | 38  |     | MEAN | 0   | AC-FT | 76  |     |     |     |

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20-NOV-91

13205622 THURMAN MILL CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN   | FEB  | MAR  | APR | MAY   | JUN  | JUL  | AUG  | SEP  | OCT |
|----------------------|-----|-----|-------|------|------|-----|-------|------|------|------|------|-----|
| 1                    | --- | --- | ---   | ---  | ---  | 0.0 | 22    | 24   | 24   | 28   | 24   | 15  |
| 2                    | --- | --- | ---   | ---  | ---  | 0.0 | 22    | 25   | 24   | 28   | 24   | 15  |
| 3                    | --- | --- | ---   | ---  | ---  | 0.0 | 23    | 25   | 25   | 28   | 24   | 15  |
| 4                    | --- | --- | ---   | ---  | ---  | 0.0 | 23    | 25   | 26   | 28   | 24   | 16  |
| 5                    | --- | --- | ---   | ---  | ---  | 0.0 | 24    | 26   | 27   | 28   | 23   | 16  |
| 6                    | --- | --- | ---   | ---  | ---  | 0.0 | 24    | 26   | 27   | 28   | 23   | 16  |
| 7                    | --- | --- | ---   | ---  | ---  | 0.0 | 24    | 27   | 28   | 28   | 22   | 16  |
| 8                    | --- | --- | ---   | ---  | ---  | 0.0 | 24    | 28   | 29   | 28   | 22   | 15  |
| 9                    | --- | --- | ---   | ---  | ---  | 1.3 | 24    | 28   | 29   | 28   | 21   | 15  |
| 10                   | --- | --- | ---   | ---  | ---  | 2.6 | 24    | 29   | 29   | 27   | 21   | 14  |
| 11                   | --- | --- | ---   | ---  | ---  | 3.9 | 24    | 29   | 29   | 27   | 21   | 14  |
| 12                   | --- | --- | ---   | ---  | ---  | 5.1 | 24    | 29   | 29   | 27   | 20   | 13  |
| 13                   | --- | --- | ---   | ---  | ---  | 6.4 | 24    | 29   | 28   | 27   | 20   | 13  |
| 14                   | --- | --- | ---   | ---  | ---  | 7.7 | 24    | 29   | 28   | 27   | 19   | 12  |
| 15                   | --- | --- | ---   | ---  | ---  | 9.0 | 24    | 29   | 28   | 27   | 19   | 0.0 |
| 16                   | --- | --- | ---   | ---  | ---  | 12  | 24    | 29   | 28   | 27   | 18   | 0.0 |
| 17                   | --- | --- | ---   | ---  | ---  | 15  | 25    | 29   | 28   | 27   | 18   | 0.0 |
| 18                   | --- | --- | ---   | ---  | ---  | 18  | 25    | 29   | 28   | 27   | 18   | 0.0 |
| 19                   | --- | --- | ---   | ---  | ---  | 21  | 25    | 29   | 29   | 27   | 18   | 0.0 |
| 20                   | --- | --- | ---   | ---  | ---  | 24  | 25    | 28   | 29   | 27   | 18   | 0.0 |
| 21                   | --- | --- | ---   | ---  | ---  | 27  | 25    | 28   | 29   | 27   | 18   | 0.0 |
| 22                   | --- | --- | ---   | ---  | ---  | 30  | 24    | 28   | 29   | 27   | 18   | 0.0 |
| 23                   | --- | --- | ---   | ---  | ---  | 29  | 24    | 27   | 29   | 26   | 18   | 0.0 |
| 24                   | --- | --- | ---   | ---  | ---  | 27  | 24    | 27   | 29   | 26   | 18   | 0.0 |
| 25                   | --- | --- | ---   | ---  | ---  | 26  | 24    | 27   | 29   | 25   | 18   | 0.0 |
| 26                   | --- | --- | ---   | ---  | ---  | 25  | 23    | 27   | 29   | 25   | 18   | 0.0 |
| 27                   | --- | --- | ---   | ---  | ---  | 24  | 23    | 26   | 29   | 24   | 17   | 0.0 |
| 28                   | --- | --- | ---   | ---  | ---  | 22  | 23    | 26   | 28   | 24   | 17   | 0.0 |
| 29                   | --- | --- | ---   | ---  | ---  | 21  | 23    | 25   | 28   | 24   | 16   | 0.0 |
| 30                   | --- | --- | ---   | ---  | ---  | 21  | 24    | 25   | 28   | 24   | 16   | 0.0 |
| 31                   | --- | --- | ---   | ---  | ---  | --- | 24    | 25   | 28   | 24   | 15   | 0.0 |
| TOTAL                |     |     |       |      |      | --- | 24    | ---  | 28   | 24   | 15   | 0.0 |
| MEAN                 |     |     |       |      |      | 378 | 739   | 817  | 864  | 820  | 584  | 205 |
| MAX                  |     |     |       |      |      | 13  | 24    | 27   | 28   | 26   | 19   | 6.6 |
| MIN                  |     |     |       |      |      | 30  | 25    | 29   | 29   | 28   | 24   | 16  |
| AC-FT                |     |     |       |      |      | 0.0 | 22    | 24   | 24   | 24   | 15   | 0.0 |
|                      |     |     |       |      |      | 751 | 1465  | 1620 | 1714 | 1626 | 1157 | 406 |
| IRRIGATION YEAR 1991 |     |     | TOTAL | 4406 | MEAN | 12  | AC-FT | 8738 |      |      |      |     |

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20-NOV-91

13205638 BOISE WATER CORP  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN   | FEB | MAR  | APR | MAY   | JUN  | JUL | AUG | SEP | OCT |
|----------------------|-----|-----|-------|-----|------|-----|-------|------|-----|-----|-----|-----|
| 1                    | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 3.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 2                    | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 3.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 3                    | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 3.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 4                    | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 3.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 5                    | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 3.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 6                    | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 3.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 7                    | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 3.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 8                    | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 3.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 9                    | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 3.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 10                   | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 3.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 11                   | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 3.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 12                   | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 3.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 13                   | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 3.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 14                   | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 3.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 15                   | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 3.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 16                   | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 3.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 17                   | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 3.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 18                   | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 3.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 19                   | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 2.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 20                   | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 2.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 21                   | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 2.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 22                   | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 2.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 23                   | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 2.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 24                   | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 2.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 25                   | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 2.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 26                   | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 2.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 27                   | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 2.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 28                   | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 2.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 29                   | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 2.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 30                   | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 2.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| 31                   | --- | --- | ---   | --- | ---  | 3.0 | 3.0   | 2.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| TOTAL                |     |     |       |     |      | --- | 3.0   | ---  | 2.0 | 2.0 | 2.0 | 2.0 |
| MEAN                 |     |     |       |     |      | 90  | 93    | 77   | 62  | 62  | 60  | 62  |
| MAX                  |     |     |       |     |      | 3.0 | 3.0   | 2.6  | 2.0 | 2.0 | 2.0 | 2.0 |
| MIN                  |     |     |       |     |      | 3.0 | 3.0   | 3.0  | 2.0 | 2.0 | 2.0 | 2.0 |
| AC-FT                |     |     |       |     |      | 179 | 184   | 153  | 123 | 123 | 119 | 123 |
| IRRIGATION YEAR 1991 |     |     | TOTAL | 506 | MEAN | 1   | AC-FT | 1003 |     |     |     |     |

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20-NOV-91

13205640 FARMERS UNION CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN   | FEB   | MAR  | APR  | MAY   | JUN   | JUL   | AUG  | SEP  | OCT  |
|----------------------|-----|-----|-------|-------|------|------|-------|-------|-------|------|------|------|
| 1                    | --- | --- | ---   | ---   | ---  | 0.0  | 130   | 174   | 182   | 156  | 70   | 77   |
| 2                    | --- | --- | ---   | ---   | ---  | 2.1  | 135   | 173   | 182   | 154  | 70   | 78   |
| 3                    | --- | --- | ---   | ---   | ---  | 4.3  | 141   | 173   | 186   | 154  | 70   | 79   |
| 4                    | --- | --- | ---   | ---   | ---  | 6.4  | 146   | 173   | 190   | 154  | 70   | 80   |
| 5                    | --- | --- | ---   | ---   | ---  | 8.5  | 151   | 172   | 194   | 154  | 70   | 68   |
| 6                    | --- | --- | ---   | ---   | ---  | 11   | 157   | 172   | 198   | 154  | 70   | 68   |
| 7                    | --- | --- | ---   | ---   | ---  | 13   | 162   | 171   | 202   | 159  | 70   | 68   |
| 8                    | --- | --- | ---   | ---   | ---  | 15   | 163   | 171   | 206   | 159  | 70   | 68   |
| 9                    | --- | --- | ---   | ---   | ---  | 17   | 162   | 170   | 206   | 165  | 70   | 68   |
| 10                   | --- | --- | ---   | ---   | ---  | 50   | 160   | 180   | 205   | 165  | 70   | 68   |
| 11                   | --- | --- | ---   | ---   | ---  | 50   | 159   | 180   | 204   | 165  | 69   | 68   |
| 12                   | --- | --- | ---   | ---   | ---  | 50   | 157   | 194   | 203   | 165  | 68   | 68   |
| 13                   | --- | --- | ---   | ---   | ---  | 50   | 160   | 207   | 201   | 165  | 67   | 68   |
| 14                   | --- | --- | ---   | ---   | ---  | 50   | 162   | 221   | 200   | 163  | 75   | 68   |
| 15                   | --- | --- | ---   | ---   | ---  | 75   | 162   | 235   | 199   | 160  | 75   | 23   |
| 16                   | --- | --- | ---   | ---   | ---  | 95   | 161   | 248   | 199   | 158  | 80   | 0.0  |
| 17                   | --- | --- | ---   | ---   | ---  | 95   | 161   | 262   | 196   | 159  | 76   | 0.0  |
| 18                   | --- | --- | ---   | ---   | ---  | 95   | 161   | 262   | 195   | 159  | 77   | 0.0  |
| 19                   | --- | --- | ---   | ---   | ---  | 95   | 160   | 262   | 169   | 160  | 77   | 0.0  |
| 20                   | --- | --- | ---   | ---   | ---  | 145  | 160   | 244   | 169   | 160  | 77   | 0.0  |
| 21                   | --- | --- | ---   | ---   | ---  | 145  | 167   | 244   | 157   | 150  | 77   | 0.0  |
| 22                   | --- | --- | ---   | ---   | ---  | 95   | 166   | 244   | 156   | 155  | 77   | 0.0  |
| 23                   | --- | --- | ---   | ---   | ---  | 95   | 164   | 244   | 156   | 155  | 77   | 0.0  |
| 24                   | --- | --- | ---   | ---   | ---  | 96   | 163   | 244   | 155   | 155  | 77   | 0.0  |
| 25                   | --- | --- | ---   | ---   | ---  | 96   | 169   | 244   | 142   | 155  | 77   | 0.0  |
| 26                   | --- | --- | ---   | ---   | ---  | 96   | 174   | 244   | 131   | 155  | 77   | 0.0  |
| 27                   | --- | --- | ---   | ---   | ---  | 96   | 156   | 243   | 142   | 155  | 77   | 0.0  |
| 28                   | --- | --- | ---   | ---   | ---  | 97   | 156   | 243   | 155   | 155  | 77   | 0.0  |
| 29                   | --- | --- | ---   | ---   | ---  | 97   | 174   | 242   | 155   | 155  | 77   | 0.0  |
| 30                   | --- | --- | ---   | ---   | ---  | 110  | 174   | 242   | 155   | 155  | 77   | 0.0  |
| 31                   | --- | --- | ---   | ---   | ---  | ---  | 174   | ---   | 151   | 70   | ---  | 0.0  |
| TOTAL                |     |     |       |       |      | 1950 | 4945  | 6478  | 5541  | 4748 | 2211 | 1017 |
| MEAN                 |     |     |       |       |      | 65   | 160   | 216   | 179   | 153  | 74   | 33   |
| MAX                  |     |     |       |       |      | 145  | 174   | 262   | 206   | 165  | 80   | 80   |
| MIN                  |     |     |       |       |      | 0.0  | 130   | 170   | 131   | 70   | 67   | 0.0  |
| AC-FT                |     |     |       |       |      | 3867 | 9808  | 12849 | 10990 | 9418 | 4386 | 2017 |
| IRRIGATION YEAR 1991 |     |     | TOTAL | 26889 | MEAN | 74   | AC-FT | 53333 |       |      |      |      |

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20-NOV-91

13205641 BOISE VALLEY CANAL (INCLUDED IN FARMERS UNION)  
 DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
 MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR  | MAY  | JUN  | JUL   | AUG   | SEP  | OCT  |
|----------------------|-----|-----|-----|-----|-----|------|------|------|-------|-------|------|------|
| 1                    | --- | --- | --- | --- | --- | 0.0  | 34   | 45   | 42    | 48    | 43   | 43   |
| 2                    | --- | --- | --- | --- | --- | 0.0  | 35   | 45   | 52    | 48    | 43   | 43   |
| 3                    | --- | --- | --- | --- | --- | 0.0  | 36   | 45   | 52    | 48    | 43   | 43   |
| 4                    | --- | --- | --- | --- | --- | 0.0  | 36   | 45   | 52    | 48    | 43   | 43   |
| 5                    | --- | --- | --- | --- | --- | 0.0  | 37   | 45   | 52    | 48    | 43   | 43   |
| 6                    | --- | --- | --- | --- | --- | 0.0  | 37   | 45   | 52    | 48    | 43   | 43   |
| 7                    | --- | --- | --- | --- | --- | 0.0  | 37   | 45   | 52    | 48    | 43   | 43   |
| 8                    | --- | --- | --- | --- | --- | 0.0  | 37   | 45   | 52    | 48    | 43   | 43   |
| 9                    | --- | --- | --- | --- | --- | 0.0  | 37   | 45   | 52    | 48    | 43   | 43   |
| 10                   | --- | --- | --- | --- | --- | 0.0  | 38   | 45   | 43    | 48    | 43   | 43   |
| 11                   | --- | --- | --- | --- | --- | 0.0  | 38   | 45   | 43    | 48    | 43   | 43   |
| 12                   | --- | --- | --- | --- | --- | 0.0  | 38   | 53   | 43    | 48    | 43   | 43   |
| 13                   | --- | --- | --- | --- | --- | 0.0  | 38   | 53   | 43    | 48    | 43   | 43   |
| 14                   | --- | --- | --- | --- | --- | 0.0  | 38   | 53   | 43    | 48    | 43   | 43   |
| 15                   | --- | --- | --- | --- | --- | 0.0  | 43   | 53   | 43    | 48    | 43   | 43   |
| 16                   | --- | --- | --- | --- | --- | 11   | 44   | 53   | 43    | 48    | 43   | 43   |
| 17                   | --- | --- | --- | --- | --- | 43   | 44   | 53   | 42    | 48    | 43   | 8.0  |
| 18                   | --- | --- | --- | --- | --- | 43   | 44   | 53   | 42    | 48    | 43   | 0.0  |
| 19                   | --- | --- | --- | --- | --- | 44   | 44   | 53   | 42    | 48    | 43   | 0.0  |
| 20                   | --- | --- | --- | --- | --- | 44   | 44   | 53   | 42    | 48    | 43   | 0.0  |
| 21                   | --- | --- | --- | --- | --- | 44   | 43   | 53   | 42    | 48    | 43   | 0.0  |
| 22                   | --- | --- | --- | --- | --- | 44   | 43   | 53   | 42    | 28    | 43   | 0.0  |
| 23                   | --- | --- | --- | --- | --- | 44   | 43   | 53   | 42    | 31    | 43   | 0.0  |
| 24                   | --- | --- | --- | --- | --- | 45   | 43   | 53   | 42    | 35    | 43   | 0.0  |
| 25                   | --- | --- | --- | --- | --- | 45   | 43   | 53   | 42    | 38    | 43   | 0.0  |
| 26                   | --- | --- | --- | --- | --- | 45   | 44   | 53   | 42    | 41    | 43   | 0.0  |
| 27                   | --- | --- | --- | --- | --- | 45   | 45   | 53   | 42    | 45    | 43   | 0.0  |
| 28                   | --- | --- | --- | --- | --- | 46   | 45   | 53   | 42    | 48    | 43   | 0.0  |
| 29                   | --- | --- | --- | --- | --- | 46   | 15   | 53   | 47    | 48    | 43   | 0.0  |
| 30                   | --- | --- | --- | --- | --- | 46   | 45   | 53   | 47    | 48    | 43   | 0.0  |
| 31                   | --- | --- | --- | --- | --- | 31   | 45   | 53   | 47    | 48    | 43   | 0.0  |
| TOTAL                |     |     |     |     |     | ---  | 45   | ---  | 48    | 43    | 43   | 0.0  |
| MEAN                 |     |     |     |     |     | 665  | 1240 | 1502 | 1406  | 1408  | 1290 | 610  |
| MAX                  |     |     |     |     |     | 22   | 40   | 50   | 45    | 45    | 43   | 20   |
| MIN                  |     |     |     |     |     | 46   | 45   | 53   | 52    | 48    | 43   | 43   |
| AC-FT                |     |     |     |     |     | 0.0  | 15   | 45   | 42    | 28    | 43   | 0.0  |
| IRRIGATION YEAR 1991 |     |     |     |     |     | 1319 | 2460 | 2979 | 2789  | 2793  | 2559 | 1210 |
| TOTAL                |     |     |     |     |     | 8121 | MEAN | 22   | AC-FT | 16108 |      |      |

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20-NOV-91

13205643 CAPITOL VIEW PUMP (INCLUDED IN FARMERS UNION)  
 DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
 MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB  | MAR | APR  | MAY | JUN   | JUL  | AUG | SEP | OCT |
|----------------------|-----|-----|-----|------|-----|------|-----|-------|------|-----|-----|-----|
| 1                    | --- | --- | --- | ---  | --- | 0.0  | 0.0 | 7.0   | 7.0  | 7.0 | 7.0 | 7.0 |
| 2                    | --- | --- | --- | ---  | --- | 0.0  | 0.0 | 7.0   | 7.0  | 7.0 | 7.0 | 7.0 |
| 3                    | --- | --- | --- | ---  | --- | 0.0  | 0.0 | 7.0   | 7.0  | 7.0 | 7.0 | 7.0 |
| 4                    | --- | --- | --- | ---  | --- | 0.0  | 0.0 | 7.0   | 7.0  | 7.0 | 7.0 | 7.0 |
| 5                    | --- | --- | --- | ---  | --- | 0.0  | 0.0 | 7.0   | 7.0  | 7.0 | 7.0 | 7.0 |
| 6                    | --- | --- | --- | ---  | --- | 0.0  | 3.0 | 7.0   | 7.0  | 7.0 | 7.0 | 7.0 |
| 7                    | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 7.0 |
| 8                    | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 7.0 |
| 9                    | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 7.0 |
| 10                   | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 7.0 |
| 11                   | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 7.0 |
| 12                   | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 7.0 |
| 13                   | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 7.0 |
| 14                   | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 7.0 |
| 15                   | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 7.0 |
| 16                   | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 7.0 |
| 17                   | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 0.0 |
| 18                   | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 0.0 |
| 19                   | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 0.0 |
| 20                   | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 0.0 |
| 21                   | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 0.0 |
| 22                   | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 0.0 |
| 23                   | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 0.0 |
| 24                   | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 0.0 |
| 25                   | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 0.0 |
| 26                   | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 0.0 |
| 27                   | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 0.0 |
| 28                   | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 0.0 |
| 29                   | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 0.0 |
| 30                   | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 0.0 |
| 31                   | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 0.0 |
| TOTAL                |     |     |     |      |     | ---  | 7.0 | ---   | 7.0  | 7.0 | 7.0 | 0.0 |
| MEAN                 |     |     |     |      |     | 0    | 185 |       |      | 7.0 | --- | 0.0 |
| MAX                  |     |     |     |      |     | 0.0  | 6.0 | 210   | 217  | 217 | 210 | 98  |
| MIN                  |     |     |     |      |     | 0.0  | 7.0 | 7.0   | 7.0  | 7.0 | 7.0 | 3.2 |
| AC-FT                |     |     |     |      |     | 0.0  | 0.0 | 7.0   | 7.0  | 7.0 | 7.0 | 7.0 |
|                      |     |     |     |      |     | 0    | 367 | 417   | 430  | 430 | 417 | 194 |
| IRRIGATION YEAR 1991 |     |     |     |      |     |      |     |       |      |     |     |     |
| TOTAL                |     |     |     | 1137 |     | MEAN | 3   | AC-FT | 2255 |     |     |     |

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13206090 NEW DRY CREEK CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR  | MAY  | JUN  | JUL   | AUG   | SEP  | OCT |
|----------------------|-----|-----|-----|-----|-----|------|------|------|-------|-------|------|-----|
| 1                    | --- | --- | --- | --- | --- | 0.0  | 46   | 54   | 52    | 63    | 34   | 30  |
| 2                    | --- | --- | --- | --- | --- | 0.0  | 49   | 55   | 52    | 64    | 33   | 30  |
| 3                    | --- | --- | --- | --- | --- | 0.0  | 53   | 57   | 54    | 64    | 33   | 30  |
| 4                    | --- | --- | --- | --- | --- | 0.0  | 56   | 57   | 57    | 65    | 33   | 30  |
| 5                    | --- | --- | --- | --- | --- | 0.0  | 59   | 59   | 59    | 66    | 33   | 30  |
| 6                    | --- | --- | --- | --- | --- | 0.0  | 62   | 61   | 61    | 66    | 33   | 30  |
| 7                    | --- | --- | --- | --- | --- | 0.0  | 62   | 64   | 64    | 66    | 33   | 30  |
| 8                    | --- | --- | --- | --- | --- | 0.0  | 62   | 66   | 66    | 65    | 33   | 30  |
| 9                    | --- | --- | --- | --- | --- | 0.0  | 63   | 68   | 66    | 65    | 33   | 30  |
| 10                   | --- | --- | --- | --- | --- | 0.0  | 63   | 70   | 66    | 64    | 33   | 30  |
| 11                   | --- | --- | --- | --- | --- | 0.0  | 63   | 70   | 66    | 64    | 33   | 30  |
| 12                   | --- | --- | --- | --- | --- | 0.0  | 63   | 70   | 66    | 64    | 33   | 30  |
| 13                   | --- | --- | --- | --- | --- | 20   | 63   | 68   | 66    | 48    | 33   | 30  |
| 14                   | --- | --- | --- | --- | --- | 20   | 63   | 66   | 66    | 48    | 33   | 30  |
| 15                   | --- | --- | --- | --- | --- | 20   | 64   | 64   | 66    | 48    | 33   | 30  |
| 16                   | --- | --- | --- | --- | --- | 20   | 64   | 61   | 63    | 48    | 33   | 30  |
| 17                   | --- | --- | --- | --- | --- | 20   | 64   | 59   | 63    | 49    | 33   | 10  |
| 18                   | --- | --- | --- | --- | --- | 20   | 56   | 57   | 64    | 49    | 33   | 0.0 |
| 19                   | --- | --- | --- | --- | --- | 20   | 49   | 57   | 64    | 49    | 20   | 0.0 |
| 20                   | --- | --- | --- | --- | --- | 20   | 41   | 57   | 64    | 49    | 33   | 0.0 |
| 21                   | --- | --- | --- | --- | --- | 20   | 33   | 56   | 65    | 49    | 30   | 0.0 |
| 22                   | --- | --- | --- | --- | --- | 20   | 35   | 56   | 65    | 49    | 28   | 0.0 |
| 23                   | --- | --- | --- | --- | --- | 20   | 37   | 55   | 66    | 52    | 25   | 0.0 |
| 24                   | --- | --- | --- | --- | --- | 23   | 39   | 55   | 66    | 45    | 23   | 0.0 |
| 25                   | --- | --- | --- | --- | --- | 26   | 41   | 10   | 66    | 45    | 20   | 0.0 |
| 26                   | --- | --- | --- | --- | --- | 29   | 43   | 58   | 65    | 45    | 20   | 0.0 |
| 27                   | --- | --- | --- | --- | --- | 31   | 45   | 57   | 64    | 40    | 22   | 0.0 |
| 28                   | --- | --- | --- | --- | --- | 34   | 47   | 56   | 64    | 40    | 23   | 0.0 |
| 29                   | --- | --- | --- | --- | --- | 37   | 47   | 55   | 63    | 40    | 25   | 0.0 |
| 30                   | --- | --- | --- | --- | --- | 40   | 49   | 54   | 62    | 39    | 27   | 0.0 |
| 31                   | --- | --- | --- | --- | --- | 43   | 50   | 53   | 61    | 38    | 28   | 0.0 |
| TOTAL                |     |     |     |     |     | ---  | 52   | ---  | 62    | 37    | 30   | 0.0 |
| MEAN                 |     |     |     |     |     | 483  | 1620 | 1734 | 1943  | 1604  | 883  | 430 |
| MAX                  |     |     |     |     |     | 16   | 52   | 58   | 63    | 52    | 29   | 14  |
| MIN                  |     |     |     |     |     | 43   | 64   | 70   | 66    | 66    | 34   | 30  |
| AC-FT                |     |     |     |     |     | 0.0  | 33   | 10   | 52    | 35    | 20   | 0.0 |
| IRRIGATION YEAR 1991 |     |     |     |     |     | 958  | 3212 | 3439 | 3854  | 3181  | 1752 | 853 |
| TOTAL                |     |     |     |     |     | 8696 | MEAN | 24   | AC-FT | 17248 |      |     |

20-NOV-91

13206092 NEW UNION CANAL (INCLUDED IN NEW DRY CREEK)  
 DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
 MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB  | MAR | APR  | MAY | JUN   | JUL  | AUG | SEP | OCT |
|----------------------|-----|-----|-----|------|-----|------|-----|-------|------|-----|-----|-----|
| 1                    | --- | --- | --- | ---  | --- | 0.0  | 12  | 12    | 12   | 12  | 12  | 12  |
| 2                    | --- | --- | --- | ---  | --- | 0.0  | 12  | 12    | 12   | 12  | 12  | 12  |
| 3                    | --- | --- | --- | ---  | --- | 0.0  | 12  | 12    | 12   | 12  | 12  | 12  |
| 4                    | --- | --- | --- | ---  | --- | 0.0  | 12  | 12    | 12   | 12  | 12  | 12  |
| 5                    | --- | --- | --- | ---  | --- | 0.0  | 12  | 12    | 12   | 12  | 12  | 12  |
| 6                    | --- | --- | --- | ---  | --- | 0.0  | 12  | 12    | 12   | 12  | 12  | 12  |
| 7                    | --- | --- | --- | ---  | --- | 0.0  | 12  | 12    | 12   | 12  | 12  | 12  |
| 8                    | --- | --- | --- | ---  | --- | 0.0  | 12  | 12    | 12   | 12  | 12  | 12  |
| 9                    | --- | --- | --- | ---  | --- | 0.0  | 12  | 12    | 12   | 12  | 12  | 12  |
| 10                   | --- | --- | --- | ---  | --- | 0.0  | 12  | 12    | 12   | 12  | 12  | 12  |
| 11                   | --- | --- | --- | ---  | --- | 0.0  | 12  | 12    | 12   | 12  | 12  | 12  |
| 12                   | --- | --- | --- | ---  | --- | 0.0  | 13  | 12    | 12   | 12  | 12  | 12  |
| 13                   | --- | --- | --- | ---  | --- | 0.0  | 13  | 12    | 12   | 12  | 12  | 12  |
| 14                   | --- | --- | --- | ---  | --- | 0.0  | 13  | 12    | 12   | 12  | 12  | 12  |
| 15                   | --- | --- | --- | ---  | --- | 0.0  | 13  | 12    | 12   | 12  | 12  | 12  |
| 16                   | --- | --- | --- | ---  | --- | 0.0  | 13  | 12    | 12   | 12  | 12  | 3.0 |
| 17                   | --- | --- | --- | ---  | --- | 0.0  | 13  | 12    | 12   | 12  | 12  | 0.0 |
| 18                   | --- | --- | --- | ---  | --- | 0.0  | 13  | 12    | 12   | 12  | 12  | 0.0 |
| 19                   | --- | --- | --- | ---  | --- | 0.0  | 13  | 12    | 12   | 12  | 12  | 0.0 |
| 20                   | --- | --- | --- | ---  | --- | 0.0  | 13  | 12    | 12   | 12  | 12  | 0.0 |
| 21                   | --- | --- | --- | ---  | --- | 0.0  | 13  | 12    | 12   | 12  | 12  | 0.0 |
| 22                   | --- | --- | --- | ---  | --- | 0.0  | 13  | 12    | 12   | 12  | 12  | 0.0 |
| 23                   | --- | --- | --- | ---  | --- | 0.0  | 13  | 12    | 12   | 12  | 12  | 0.0 |
| 24                   | --- | --- | --- | ---  | --- | 0.0  | 12  | 12    | 12   | 12  | 12  | 0.0 |
| 25                   | --- | --- | --- | ---  | --- | 0.0  | 12  | 12    | 12   | 12  | 12  | 0.0 |
| 26                   | --- | --- | --- | ---  | --- | 0.0  | 12  | 0.0   | 12   | 12  | 12  | 0.0 |
| 27                   | --- | --- | --- | ---  | --- | 0.0  | 12  | 3.0   | 12   | 12  | 12  | 0.0 |
| 28                   | --- | --- | --- | ---  | --- | 4.0  | 12  | 4.5   | 12   | 12  | 12  | 0.0 |
| 29                   | --- | --- | --- | ---  | --- | 12   | 12  | 6.0   | 12   | 12  | 12  | 0.0 |
| 30                   | --- | --- | --- | ---  | --- | 12   | 12  | 7.5   | 12   | 12  | 12  | 0.0 |
| 31                   | --- | --- | --- | ---  | --- | 12   | 12  | 9.0   | 12   | 12  | 12  | 0.0 |
| TOTAL                |     |     |     |      |     | ---  | 12  | 11    | 12   | 12  | 12  | 0.0 |
| MEAN                 |     |     |     |      |     | 40   | 383 | 317   | 12   | 12  | --- | 0.0 |
| MAX                  |     |     |     |      |     | 1.3  | 12  | 11    | 372  | 372 | 360 | 171 |
| MIN                  |     |     |     |      |     | 12   | 13  | 12    | 12   | 12  | 12  | 5.5 |
| AC-FT                |     |     |     |      |     | 0.0  | 12  | 0.0   | 12   | 12  | 12  | 12  |
|                      |     |     |     |      |     | 79   | 759 | 628   | 738  | 738 | 714 | 339 |
| IRRIGATION YEAR 1991 |     |     |     |      |     |      |     |       |      |     |     |     |
| TOTAL                |     |     |     | 2014 |     | MEAN | 6   | AC-FT | 3994 |     |     |     |

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20-NOV-91

13206205 LEMP CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR  | APR | MAY   | JUN | JUL | AUG | SEP | OCT |
|----------------------|-----|-----|-----|-----|------|-----|-------|-----|-----|-----|-----|-----|
| 1                    | --- | --- | --- | --- | ---  | 0.0 | 3.0   | 3.0 | 3.0 | 2.0 | 0.5 | 0.0 |
| 2                    | --- | --- | --- | --- | ---  | 0.0 | 3.0   | 3.0 | 3.0 | 1.5 | 0.0 | 0.5 |
| 3                    | --- | --- | --- | --- | ---  | 0.0 | 3.0   | 3.0 | 3.0 | 1.0 | 0.0 | 1.0 |
| 4                    | --- | --- | --- | --- | ---  | 0.0 | 3.0   | 3.0 | 3.0 | 0.5 | 0.5 | 1.5 |
| 5                    | --- | --- | --- | --- | ---  | 0.0 | 3.0   | 3.0 | 3.0 | 0.0 | 1.0 | 2.0 |
| 6                    | --- | --- | --- | --- | ---  | 0.0 | 3.0   | 3.0 | 3.0 | 0.0 | 1.5 | 2.5 |
| 7                    | --- | --- | --- | --- | ---  | 0.0 | 3.0   | 3.0 | 3.0 | 0.5 | 2.0 | 3.0 |
| 8                    | --- | --- | --- | --- | ---  | 0.0 | 2.5   | 3.0 | 3.0 | 1.0 | 2.5 | 3.0 |
| 9                    | --- | --- | --- | --- | ---  | 0.4 | 2.0   | 3.0 | 3.0 | 1.5 | 3.0 | 3.0 |
| 10                   | --- | --- | --- | --- | ---  | 0.9 | 1.5   | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 |
| 11                   | --- | --- | --- | --- | ---  | 1.3 | 1.0   | 3.0 | 3.0 | 2.5 | 2.5 | 3.0 |
| 12                   | --- | --- | --- | --- | ---  | 1.7 | 0.5   | 3.0 | 3.0 | 3.0 | 2.0 | 3.0 |
| 13                   | --- | --- | --- | --- | ---  | 2.1 | 0.0   | 3.0 | 3.0 | 3.0 | 1.5 | 3.0 |
| 14                   | --- | --- | --- | --- | ---  | 2.6 | 0.0   | 3.0 | 3.0 | 3.0 | 1.0 | 3.0 |
| 15                   | --- | --- | --- | --- | ---  | 3.0 | 0.0   | 3.0 | 3.0 | 3.0 | 0.5 | 0.0 |
| 16                   | --- | --- | --- | --- | ---  | 2.6 | 0.0   | 3.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 17                   | --- | --- | --- | --- | ---  | 2.1 | 0.0   | 3.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 18                   | --- | --- | --- | --- | ---  | 1.7 | 0.0   | 3.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 19                   | --- | --- | --- | --- | ---  | 1.3 | 0.0   | 3.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 20                   | --- | --- | --- | --- | ---  | 0.9 | 0.0   | 3.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 21                   | --- | --- | --- | --- | ---  | 0.4 | 0.4   | 3.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 22                   | --- | --- | --- | --- | ---  | 0.0 | 0.9   | 3.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 23                   | --- | --- | --- | --- | ---  | 0.4 | 1.3   | 3.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 24                   | --- | --- | --- | --- | ---  | 0.9 | 1.7   | 3.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 25                   | --- | --- | --- | --- | ---  | 1.3 | 2.1   | 3.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 26                   | --- | --- | --- | --- | ---  | 1.7 | 2.6   | 3.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 27                   | --- | --- | --- | --- | ---  | 2.1 | 3.0   | 3.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 28                   | --- | --- | --- | --- | ---  | 2.6 | 3.0   | 3.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 29                   | --- | --- | --- | --- | ---  | 3.0 | 3.0   | 3.0 | 3.0 | 2.5 | 0.0 | 0.0 |
| 30                   | --- | --- | --- | --- | ---  | 3.0 | 3.0   | 3.0 | 3.0 | 2.0 | 0.0 | 0.0 |
| 31                   | --- | --- | --- | --- | ---  | --- | 3.0   | 3.0 | 3.0 | 1.5 | 0.0 | 0.0 |
| TOTAL                |     |     |     |     |      |     | 3.0   | --- | 2.5 | 1.0 | --- | 0.0 |
| MEAN                 |     |     |     |     |      | 36  | 52    | 90  | 93  | 68  | 22  | 32  |
| MAX                  |     |     |     |     |      | 1.2 | 1.7   | 3.0 | 3.0 | 2.2 | 0.7 | 1.0 |
| MIN                  |     |     |     |     |      | 3.0 | 3.0   | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| AC-FT                |     |     |     |     |      | 0.0 | 0.0   | 3.0 | 2.5 | 0.0 | 0.0 | 0.0 |
|                      |     |     |     |     |      | 71  | 104   | 179 | 183 | 134 | 43  | 62  |
| IRRIGATION YEAR 1991 |     |     |     |     |      |     |       |     |     |     |     |     |
| TOTAL                |     |     |     | 392 | MEAN | 1   | AC-FT | 776 |     |     |     |     |

A-45

20-NOV-91

13206220 WARM SPRINGS CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR  | APR | MAY   | JUN  | JUL | AUG | SEP | OCT |
|----------------------|-----|-----|-----|-----|------|-----|-------|------|-----|-----|-----|-----|
| 1                    | --- | --- | --- | --- | ---  | 0.0 | 4.0   | 3.7  | 4.0 | 4.0 | 4.0 | 2.0 |
| 2                    | --- | --- | --- | --- | ---  | 0.0 | 4.0   | 3.8  | 4.0 | 4.0 | 4.0 | 2.0 |
| 3                    | --- | --- | --- | --- | ---  | 0.0 | 4.0   | 4.0  | 4.0 | 4.0 | 4.0 | 2.0 |
| 4                    | --- | --- | --- | --- | ---  | 0.0 | 4.0   | 4.0  | 4.0 | 4.0 | 4.0 | 2.0 |
| 5                    | --- | --- | --- | --- | ---  | 0.0 | 4.0   | 4.0  | 4.0 | 4.0 | 4.0 | 2.0 |
| 6                    | --- | --- | --- | --- | ---  | 0.0 | 4.0   | 4.0  | 4.0 | 4.0 | 4.0 | 2.0 |
| 7                    | --- | --- | --- | --- | ---  | 0.0 | 4.0   | 4.0  | 4.0 | 4.0 | 4.0 | 2.0 |
| 8                    | --- | --- | --- | --- | ---  | 0.0 | 4.0   | 4.0  | 4.0 | 4.0 | 4.0 | 2.0 |
| 9                    | --- | --- | --- | --- | ---  | 0.4 | 4.0   | 4.0  | 4.0 | 4.0 | 4.0 | 2.0 |
| 10                   | --- | --- | --- | --- | ---  | 0.9 | 4.0   | 4.0  | 4.0 | 4.0 | 4.0 | 2.0 |
| 11                   | --- | --- | --- | --- | ---  | 1.3 | 4.0   | 4.0  | 4.0 | 4.0 | 4.0 | 2.0 |
| 12                   | --- | --- | --- | --- | ---  | 1.7 | 4.0   | 4.0  | 4.0 | 4.0 | 4.0 | 2.0 |
| 13                   | --- | --- | --- | --- | ---  | 2.1 | 4.0   | 4.0  | 4.0 | 4.0 | 4.0 | 2.0 |
| 14                   | --- | --- | --- | --- | ---  | 2.6 | 4.0   | 4.0  | 4.0 | 4.0 | 4.0 | 2.0 |
| 15                   | --- | --- | --- | --- | ---  | 3.0 | 4.0   | 4.0  | 4.0 | 4.0 | 4.0 | 2.0 |
| 16                   | --- | --- | --- | --- | ---  | 3.0 | 4.0   | 4.0  | 4.0 | 4.0 | 4.0 | 2.0 |
| 17                   | --- | --- | --- | --- | ---  | 3.0 | 4.0   | 4.0  | 4.0 | 4.0 | 4.0 | 0.0 |
| 18                   | --- | --- | --- | --- | ---  | 3.0 | 4.0   | 4.0  | 4.0 | 4.0 | 4.0 | 0.0 |
| 19                   | --- | --- | --- | --- | ---  | 3.0 | 4.0   | 4.0  | 4.0 | 4.0 | 4.0 | 0.0 |
| 20                   | --- | --- | --- | --- | ---  | 3.0 | 4.0   | 4.0  | 4.0 | 4.0 | 4.0 | 0.0 |
| 21                   | --- | --- | --- | --- | ---  | 3.0 | 3.9   | 4.0  | 4.0 | 4.0 | 4.0 | 0.0 |
| 22                   | --- | --- | --- | --- | ---  | 3.0 | 3.7   | 4.0  | 4.0 | 4.0 | 4.0 | 0.0 |
| 23                   | --- | --- | --- | --- | ---  | 3.1 | 3.6   | 4.0  | 4.0 | 4.0 | 4.0 | 0.0 |
| 24                   | --- | --- | --- | --- | ---  | 3.3 | 3.4   | 4.0  | 4.0 | 4.0 | 4.0 | 0.0 |
| 25                   | --- | --- | --- | --- | ---  | 3.4 | 3.3   | 4.0  | 4.0 | 4.0 | 4.0 | 0.0 |
| 26                   | --- | --- | --- | --- | ---  | 3.6 | 3.1   | 4.0  | 4.0 | 4.0 | 3.7 | 0.0 |
| 27                   | --- | --- | --- | --- | ---  | 3.7 | 3.0   | 4.0  | 4.0 | 4.0 | 3.3 | 0.0 |
| 28                   | --- | --- | --- | --- | ---  | 3.9 | 3.0   | 4.0  | 4.0 | 4.0 | 3.0 | 0.0 |
| 29                   | --- | --- | --- | --- | ---  | 4.0 | 3.2   | 4.0  | 4.0 | 4.0 | 2.7 | 0.0 |
| 30                   | --- | --- | --- | --- | ---  | 4.0 | 3.3   | 4.0  | 4.0 | 4.0 | 2.3 | 0.0 |
| 31                   | --- | --- | --- | --- | ---  | --- | 3.5   | ---  | 4.0 | 4.0 | 2.0 | 0.0 |
| TOTAL                |     |     |     |     |      | 62  | 117   | 120  | 4.0 | 4.0 | --- | 0.0 |
| MEAN                 |     |     |     |     |      | 2.1 | 3.8   | 4.0  | 124 | 124 | 113 | 30  |
| MAX                  |     |     |     |     |      | 4.0 | 4.0   | 4.0  | 4.0 | 4.0 | 3.8 | 1.0 |
| MIN                  |     |     |     |     |      | 0.0 | 3.0   | 3.7  | 4.0 | 4.0 | 2.0 | 0.0 |
| AC-FT                |     |     |     |     |      | 123 | 232   | 237  | 246 | 246 | 224 | 60  |
| IRRIGATION YEAR 1991 |     |     |     |     |      |     |       |      |     |     |     |     |
| TOTAL                |     |     |     | 690 | MEAN | 2   | AC-FT | 1367 |     |     |     |     |

A-46

20-NOV-91

13206260 GRAHAM-GILBERT CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR  | MAY | JUN   | JUL | AUG | SEP | OCT |
|----------------------|-----|-----|-----|-----|-----|------|-----|-------|-----|-----|-----|-----|
| 1                    | --- | --- | --- | --- | --- | 0.0  | 1.0 | 0.3   | 1.0 | 1.0 | 1.0 | 0.0 |
| 2                    | --- | --- | --- | --- | --- | 0.0  | 1.0 | 0.2   | 1.0 | 1.0 | 1.0 | 0.0 |
| 3                    | --- | --- | --- | --- | --- | 0.0  | 1.0 | 0.0   | 1.0 | 1.0 | 1.0 | 0.0 |
| 4                    | --- | --- | --- | --- | --- | 0.0  | 1.0 | 0.0   | 1.0 | 1.0 | 0.8 | 0.0 |
| 5                    | --- | --- | --- | --- | --- | 0.0  | 1.0 | 0.2   | 1.0 | 1.0 | 0.7 | 0.0 |
| 6                    | --- | --- | --- | --- | --- | 0.0  | 1.0 | 0.3   | 1.0 | 1.0 | 0.5 | 0.0 |
| 7                    | --- | --- | --- | --- | --- | 0.0  | 0.9 | 0.5   | 1.0 | 1.0 | 0.3 | 0.0 |
| 8                    | --- | --- | --- | --- | --- | 0.0  | 0.7 | 0.7   | 1.0 | 1.0 | 0.2 | 0.0 |
| 9                    | --- | --- | --- | --- | --- | 0.0  | 0.6 | 0.8   | 1.0 | 1.0 | 0.0 | 0.0 |
| 10                   | --- | --- | --- | --- | --- | 0.0  | 0.4 | 1.0   | 1.0 | 1.0 | 0.0 | 0.0 |
| 11                   | --- | --- | --- | --- | --- | 0.0  | 0.3 | 1.0   | 1.0 | 1.0 | 0.0 | 0.0 |
| 12                   | --- | --- | --- | --- | --- | 0.0  | 0.1 | 1.0   | 1.0 | 1.0 | 0.0 | 0.0 |
| 13                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 1.0   | 1.0 | 1.0 | 0.0 | 0.0 |
| 14                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 1.0   | 1.0 | 1.0 | 0.0 | 0.0 |
| 15                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 1.0   | 1.0 | 1.0 | 0.0 | 0.0 |
| 16                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 1.0   | 1.0 | 1.0 | 0.0 | 0.0 |
| 17                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 1.0   | 1.0 | 1.0 | 0.0 | 0.0 |
| 18                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 1.0   | 1.0 | 1.0 | 0.0 | 0.0 |
| 19                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 1.0   | 1.0 | 1.0 | 0.0 | 0.0 |
| 20                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 1.0   | 1.0 | 1.0 | 0.0 | 0.0 |
| 21                   | --- | --- | --- | --- | --- | 0.0  | 0.1 | 1.0   | 1.0 | 1.0 | 0.0 | 0.0 |
| 22                   | --- | --- | --- | --- | --- | 0.0  | 0.3 | 1.0   | 1.0 | 1.0 | 0.0 | 0.0 |
| 23                   | --- | --- | --- | --- | --- | 0.1  | 0.4 | 1.0   | 1.0 | 1.0 | 0.0 | 0.0 |
| 24                   | --- | --- | --- | --- | --- | 0.3  | 0.6 | 1.0   | 1.0 | 1.0 | 0.0 | 0.0 |
| 25                   | --- | --- | --- | --- | --- | 0.4  | 0.7 | 1.0   | 1.0 | 1.0 | 0.0 | 0.0 |
| 26                   | --- | --- | --- | --- | --- | 0.6  | 0.9 | 1.0   | 1.0 | 1.0 | 0.0 | 0.0 |
| 27                   | --- | --- | --- | --- | --- | 0.7  | 1.0 | 1.0   | 1.0 | 1.0 | 0.0 | 0.0 |
| 28                   | --- | --- | --- | --- | --- | 0.9  | 1.0 | 1.0   | 1.0 | 1.0 | 0.0 | 0.0 |
| 29                   | --- | --- | --- | --- | --- | 1.0  | 0.8 | 1.0   | 1.0 | 1.0 | 0.0 | 0.0 |
| 30                   | --- | --- | --- | --- | --- | 1.0  | 0.7 | 1.0   | 1.0 | 1.0 | 0.0 | 0.0 |
| 31                   | --- | --- | --- | --- | --- | ---  | 0.5 | ---   | 1.0 | 1.0 | 0.0 | 0.0 |
| TOTAL                |     |     |     |     |     |      |     |       |     |     |     |     |
| MEAN                 |     |     |     |     |     | 5    | 16  | 24    | 31  | 31  | 6   | 0   |
| MAX                  |     |     |     |     |     | 0.2  | 0.5 | 0.8   | 1.0 | 1.0 | 0.2 | 0.0 |
| MIN                  |     |     |     |     |     | 1.0  | 1.0 | 1.0   | 1.0 | 1.0 | 1.0 | 0.0 |
| AC-FT                |     |     |     |     |     | 10   | 32  | 48    | 61  | 61  | 11  | 0   |
| IRRIGATION YEAR 1991 |     |     |     |     |     |      |     |       |     |     |     |     |
| TOTAL                |     |     |     |     | 113 | MEAN | 0   | AC-FT | 223 |     |     |     |

A-47

20-NOV-91

13206265 BALLENTYNE CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN   | FEB  | MAR  | APR | MAY   | JUN  | JUL  | AUG | SEP | OCT |
|----------------------|-----|-----|-------|------|------|-----|-------|------|------|-----|-----|-----|
| 1                    | --- | --- | ---   | ---  | ---  | 0.0 | 17    | 18   | 18   | 15  | 14  | 5.0 |
| 2                    | --- | --- | ---   | ---  | ---  | 0.0 | 17    | 18   | 18   | 15  | 14  | 5.0 |
| 3                    | --- | --- | ---   | ---  | ---  | 0.0 | 18    | 18   | 18   | 15  | 14  | 5.0 |
| 4                    | --- | --- | ---   | ---  | ---  | 0.0 | 18    | 18   | 18   | 15  | 13  | 5.0 |
| 5                    | --- | --- | ---   | ---  | ---  | 0.0 | 18    | 18   | 18   | 15  | 11  | 5.0 |
| 6                    | --- | --- | ---   | ---  | ---  | 0.0 | 18    | 18   | 18   | 15  |     |     |
| 7                    | --- | --- | ---   | ---  | ---  | 0.0 | 18    | 18   | 18   | 15  | 10  | 5.0 |
| 8                    | --- | --- | ---   | ---  | ---  | 0.0 | 18    | 18   | 18   | 15  | 8.7 | 5.0 |
| 9                    | --- | --- | ---   | ---  | ---  | 0.0 | 18    | 18   | 18   | 15  | 7.3 | 5.0 |
| 10                   | --- | --- | ---   | ---  | ---  | 0.0 | 18    | 18   | 18   | 16  | 6.0 | 5.0 |
| 11                   | --- | --- | ---   | ---  | ---  | 0.0 | 18    | 18   | 18   | 16  | 6.0 | 5.0 |
| 12                   | --- | --- | ---   | ---  | ---  | 0.0 | 18    | 18   | 18   | 16  | 6.0 | 5.0 |
| 13                   | --- | --- | ---   | ---  | ---  | 0.0 | 18    | 18   | 18   | 16  | 6.0 | 5.0 |
| 14                   | --- | --- | ---   | ---  | ---  | 0.0 | 18    | 18   | 18   | 16  | 6.0 | 5.0 |
| 15                   | --- | --- | ---   | ---  | ---  | 0.0 | 18    | 18   | 18   | 16  | 6.0 | 5.0 |
| 16                   | --- | --- | ---   | ---  | ---  | 0.0 | 18    | 18   | 18   | 16  | 6.0 | 0.0 |
| 17                   | --- | --- | ---   | ---  | ---  | 2.3 | 18    | 18   | 18   | 16  | 6.0 | 0.0 |
| 18                   | --- | --- | ---   | ---  | ---  | 4.6 | 18    | 18   | 18   | 16  | 6.0 | 0.0 |
| 19                   | --- | --- | ---   | ---  | ---  | 6.9 | 18    | 18   | 18   | 16  | 6.0 | 0.0 |
| 20                   | --- | --- | ---   | ---  | ---  | 9.1 | 18    | 18   | 18   | 16  | 5.8 | 0.0 |
| 21                   | --- | --- | ---   | ---  | ---  | 11  | 18    | 18   | 18   | 16  | 5.7 | 0.0 |
| 22                   | --- | --- | ---   | ---  | ---  | 14  | 18    | 18   | 18   | 16  | 5.5 | 0.0 |
| 23                   | --- | --- | ---   | ---  | ---  | 16  | 18    | 18   | 18   | 16  | 5.3 | 0.0 |
| 24                   | --- | --- | ---   | ---  | ---  | 16  | 18    | 18   | 18   | 16  | 5.2 | 0.0 |
| 25                   | --- | --- | ---   | ---  | ---  | 16  | 17    | 18   | 18   | 16  | 5.0 | 0.0 |
| 26                   | --- | --- | ---   | ---  | ---  | 16  | 17    | 18   | 18   | 15  | 5.0 | 0.0 |
| 27                   | --- | --- | ---   | ---  | ---  | 17  | 17    | 18   | 17   | 15  | 4.8 | 0.0 |
| 28                   | --- | --- | ---   | ---  | ---  | 17  | 17    | 18   | 17   | 15  | 4.7 | 0.0 |
| 29                   | --- | --- | ---   | ---  | ---  | 17  | 17    | 18   | 16   | 15  | 4.5 | 0.0 |
| 30                   | --- | --- | ---   | ---  | ---  | 17  | 17    | 18   | 16   | 15  | 4.3 | 0.0 |
| 31                   | --- | --- | ---   | ---  | ---  | 17  | 17    | 18   | 15   | 15  | 4.2 | 0.0 |
| TOTAL                |     |     |       |      |      | --- | 18    | ---  | 15   | 15  | 4.0 | 0.0 |
| MEAN                 |     |     |       |      |      | 197 | 549   |      |      | 14  | --- | 0.0 |
| MAX                  |     |     |       |      |      | 6.6 | 18    |      | 542  | 477 | 210 | 70  |
| MIN                  |     |     |       |      |      | 17  | 18    |      | 17   | 15  | 7.0 | 2.3 |
| AC-FT                |     |     |       |      |      | 0.0 | 17    |      | 18   | 16  | 14  | 5.0 |
|                      |     |     |       |      |      | 391 | 1089  | 1070 | 1074 | 947 | 417 | 139 |
| IRRIGATION YEAR 1991 |     |     | TOTAL | 2585 | MEAN | 7   | AC-FT | 5126 |      |     |     |     |

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20-NOV-91

13206270 CONWAY-HAMMING CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN   | FEB | MAR  | APR | MAY   | JUN | JUL | AUG | SEP | OCT |
|----------------------|-----|-----|-------|-----|------|-----|-------|-----|-----|-----|-----|-----|
| 1                    | --- | --- | ---   | --- | ---  | 0.0 | 3.0   | 2.0 | 3.0 | 3.0 | 3.0 | 0.0 |
| 2                    | --- | --- | ---   | --- | ---  | 0.0 | 3.0   | 2.5 | 3.0 | 3.0 | 3.0 | 0.5 |
| 3                    | --- | --- | ---   | --- | ---  | 0.0 | 3.0   | 3.0 | 3.0 | 3.0 | 3.0 | 1.0 |
| 4                    | --- | --- | ---   | --- | ---  | 0.0 | 3.0   | 3.0 | 3.0 | 3.0 | 3.0 | 1.5 |
| 5                    | --- | --- | ---   | --- | ---  | 0.0 | 3.0   | 3.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| 6                    | --- | --- | ---   | --- | ---  | 0.0 | 3.0   | 3.0 | 3.0 | 3.0 | 3.0 | 2.5 |
| 7                    | --- | --- | ---   | --- | ---  | 0.0 | 2.6   | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 8                    | --- | --- | ---   | --- | ---  | 0.0 | 2.1   | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 9                    | --- | --- | ---   | --- | ---  | 0.0 | 1.7   | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 10                   | --- | --- | ---   | --- | ---  | 0.0 | 1.3   | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 11                   | --- | --- | ---   | --- | ---  | 0.0 | 0.9   | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 12                   | --- | --- | ---   | --- | ---  | 0.0 | 0.4   | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 13                   | --- | --- | ---   | --- | ---  | 0.0 | 0.0   | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 14                   | --- | --- | ---   | --- | ---  | 0.0 | 0.4   | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 15                   | --- | --- | ---   | --- | ---  | 0.0 | 0.9   | 3.0 | 3.0 | 3.0 | 3.0 | 0.0 |
| 16                   | --- | --- | ---   | --- | ---  | 0.0 | 1.3   | 3.0 | 3.0 | 3.0 | 3.0 | 0.0 |
| 17                   | --- | --- | ---   | --- | ---  | 0.0 | 1.7   | 3.0 | 3.0 | 3.0 | 3.0 | 0.0 |
| 18                   | --- | --- | ---   | --- | ---  | 0.0 | 2.1   | 3.0 | 3.0 | 3.0 | 3.0 | 0.0 |
| 19                   | --- | --- | ---   | --- | ---  | 0.0 | 2.6   | 3.0 | 3.0 | 3.0 | 3.0 | 0.0 |
| 20                   | --- | --- | ---   | --- | ---  | 0.0 | 3.0   | 3.0 | 3.0 | 3.0 | 3.0 | 0.0 |
| 21                   | --- | --- | ---   | --- | ---  | 0.0 | 2.6   | 3.0 | 3.0 | 3.0 | 3.0 | 0.0 |
| 22                   | --- | --- | ---   | --- | ---  | 0.0 | 2.1   | 3.0 | 3.0 | 3.0 | 3.0 | 0.0 |
| 23                   | --- | --- | ---   | --- | ---  | 0.4 | 1.7   | 3.0 | 3.0 | 3.0 | 3.0 | 0.0 |
| 24                   | --- | --- | ---   | --- | ---  | 0.9 | 1.3   | 3.0 | 3.0 | 3.0 | 3.0 | 0.0 |
| 25                   | --- | --- | ---   | --- | ---  | 1.3 | 0.9   | 3.0 | 3.0 | 3.0 | 3.0 | 0.0 |
| 26                   | --- | --- | ---   | --- | ---  | 1.7 | 0.4   | 3.0 | 3.0 | 3.0 | 2.5 | 0.0 |
| 27                   | --- | --- | ---   | --- | ---  | 2.1 | 0.0   | 3.0 | 3.0 | 3.0 | 2.0 | 0.0 |
| 28                   | --- | --- | ---   | --- | ---  | 2.6 | 0.0   | 3.0 | 3.0 | 3.0 | 1.5 | 0.0 |
| 29                   | --- | --- | ---   | --- | ---  | 3.0 | 0.5   | 3.0 | 3.0 | 3.0 | 1.0 | 0.0 |
| 30                   | --- | --- | ---   | --- | ---  | 3.0 | 1.0   | 3.0 | 3.0 | 3.0 | 0.5 | 0.0 |
| 31                   | --- | --- | ---   | --- | ---  | --- | 1.5   | --- | 3.0 | 3.0 | 0.0 | 0.0 |
| TOTAL                |     |     |       |     |      | 15  | 51    | 89  | 93  | 93  | 80  | 32  |
| MEAN                 |     |     |       |     |      | 0.5 | 1.6   | 3.0 | 3.0 | 3.0 | 2.7 | 1.0 |
| MAX                  |     |     |       |     |      | 3.0 | 3.0   | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| MIN                  |     |     |       |     |      | 0.0 | 0.0   | 2.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| AC-FT                |     |     |       |     |      | 30  | 101   | 176 | 184 | 184 | 158 | 62  |
| IRRIGATION YEAR 1991 |     |     | TOTAL | 452 | MEAN | 1   | AC-FT | 895 |     |     |     |     |

A-49

13206274 EAGLE ISLAND PARK  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR | MAY  | JUN | JUL   | AUG | SEP | OCT |
|----------------------|-----|-----|-----|-----|-----|-----|------|-----|-------|-----|-----|-----|
| 1                    | --- | --- | --- | --- | --- | 0.0 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3 | 0.3 |
| 2                    | --- | --- | --- | --- | --- | 0.0 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3 | 0.3 |
| 3                    | --- | --- | --- | --- | --- | 0.0 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3 | 0.3 |
| 4                    | --- | --- | --- | --- | --- | 0.0 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3 | 0.3 |
| 5                    | --- | --- | --- | --- | --- | 0.0 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3 | 0.3 |
| 6                    | --- | --- | --- | --- | --- | 0.0 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3 | 0.3 |
| 7                    | --- | --- | --- | --- | --- | 0.0 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3 | 0.3 |
| 8                    | --- | --- | --- | --- | --- | 0.0 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3 | 0.3 |
| 9                    | --- | --- | --- | --- | --- | 0.0 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3 | 0.3 |
| 10                   | --- | --- | --- | --- | --- | 0.0 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3 | 0.3 |
| 11                   | --- | --- | --- | --- | --- | 0.0 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3 | 0.3 |
| 12                   | --- | --- | --- | --- | --- | 0.0 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3 | 0.4 |
| 13                   | --- | --- | --- | --- | --- | 0.0 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3 | 0.4 |
| 14                   | --- | --- | --- | --- | --- | 0.0 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3 | 0.4 |
| 15                   | --- | --- | --- | --- | --- | 0.0 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3 | 0.4 |
| 16                   | --- | --- | --- | --- | --- | 0.0 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3 | 0.4 |
| 17                   | --- | --- | --- | --- | --- | 0.3 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3 | 0.0 |
| 18                   | --- | --- | --- | --- | --- | 0.3 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3 | 0.0 |
| 19                   | --- | --- | --- | --- | --- | 0.3 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3 | 0.0 |
| 20                   | --- | --- | --- | --- | --- | 0.3 | 0.2  | 0.3 | 0.2   | 0.2 | 0.3 | 0.0 |
| 21                   | --- | --- | --- | --- | --- | 0.3 | 0.2  | 0.3 | 0.2   | 0.2 | 0.3 | 0.0 |
| 22                   | --- | --- | --- | --- | --- | 0.3 | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.0 |
| 23                   | --- | --- | --- | --- | --- | 0.3 | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.0 |
| 24                   | --- | --- | --- | --- | --- | 0.3 | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.0 |
| 25                   | --- | --- | --- | --- | --- | 0.3 | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.0 |
| 26                   | --- | --- | --- | --- | --- | 0.3 | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.0 |
| 27                   | --- | --- | --- | --- | --- | 0.4 | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.0 |
| 28                   | --- | --- | --- | --- | --- | 0.4 | 0.2  | 0.2 | 0.2   | 0.2 | 0.3 | 0.0 |
| 29                   | --- | --- | --- | --- | --- | 0.4 | 0.2  | 0.2 | 0.2   | 0.2 | 0.3 | 0.0 |
| 30                   | --- | --- | --- | --- | --- | 0.4 | 0.2  | 0.2 | 0.2   | 0.2 | 0.3 | 0.0 |
| 31                   | --- | --- | --- | --- | --- | 0.4 | 0.2  | 0.2 | 0.2   | 0.2 | 0.3 | 0.0 |
| TOTAL                |     |     |     |     |     | 5   | 8    | 8   | 8     | 8   | 9   | 5   |
| MEAN                 |     |     |     |     |     | 0.2 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3 | 0.2 |
| MAX                  |     |     |     |     |     | 0.4 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3 | 0.4 |
| MIN                  |     |     |     |     |     | 0.0 | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.0 |
| AC-FT                |     |     |     |     |     | 10  | 16   | 16  | 16    | 16  | 17  | 10  |
| IRRIGATION YEAR 1991 |     |     |     |     |     | 50  | MEAN | 0   | AC-FT | 100 |     |     |

20-NOV-91

13206290 THOMAS AIKEN CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR | MAY  | JUN | JUL   | AUG | SEP | OCT |
|----------------------|-----|-----|-----|-----|-----|-----|------|-----|-------|-----|-----|-----|
| 1                    | --- | --- | --- | --- | --- | 0.0 | 3.0  | 2.3 | 3.0   | 2.0 | 0.5 | 3.0 |
| 2                    | --- | --- | --- | --- | --- | 0.0 | 3.0  | 2.2 | 3.0   | 1.5 | 0.0 | 3.0 |
| 3                    | --- | --- | --- | --- | --- | 0.0 | 3.0  | 2.0 | 3.0   | 1.0 | 0.0 | 3.0 |
| 4                    | --- | --- | --- | --- | --- | 0.0 | 3.0  | 2.0 | 3.0   | 0.5 | 0.5 | 3.0 |
| 5                    | --- | --- | --- | --- | --- | 0.0 | 3.0  | 2.2 | 3.0   | 0.0 | 1.0 | 3.0 |
| 6                    | --- | --- | --- | --- | --- | 0.0 | 3.0  | 2.3 | 3.0   | 0.0 | 1.5 | 3.0 |
| 7                    | --- | --- | --- | --- | --- | 0.0 | 2.6  | 2.5 | 3.0   | 0.5 | 2.0 | 3.0 |
| 8                    | --- | --- | --- | --- | --- | 0.0 | 2.1  | 2.7 | 3.0   | 1.0 | 2.5 | 3.0 |
| 9                    | --- | --- | --- | --- | --- | 0.0 | 1.7  | 2.8 | 3.0   | 1.5 | 3.0 | 3.0 |
| 10                   | --- | --- | --- | --- | --- | 0.0 | 1.3  | 3.0 | 3.0   | 2.0 | 3.0 | 3.0 |
| 11                   | --- | --- | --- | --- | --- | 0.0 | 0.9  | 3.0 | 3.0   | 2.5 | 2.5 | 3.0 |
| 12                   | --- | --- | --- | --- | --- | 0.0 | 0.4  | 3.0 | 3.0   | 3.0 | 2.0 | 3.0 |
| 13                   | --- | --- | --- | --- | --- | 0.0 | 0.0  | 3.0 | 3.0   | 3.0 | 1.5 | 3.0 |
| 14                   | --- | --- | --- | --- | --- | 0.0 | 0.0  | 3.0 | 3.0   | 3.0 | 1.0 | 0.0 |
| 15                   | --- | --- | --- | --- | --- | 0.0 | 0.0  | 3.0 | 3.0   | 3.0 | 0.5 | 0.0 |
| 16                   | --- | --- | --- | --- | --- | 0.4 | 0.0  | 3.0 | 3.0   | 3.0 | 0.0 | 0.0 |
| 17                   | --- | --- | --- | --- | --- | 0.9 | 0.0  | 3.0 | 3.0   | 3.0 | 0.0 | 0.0 |
| 18                   | --- | --- | --- | --- | --- | 1.3 | 0.0  | 3.0 | 3.0   | 3.0 | 0.5 | 0.0 |
| 19                   | --- | --- | --- | --- | --- | 1.7 | 0.0  | 3.0 | 3.0   | 3.0 | 1.0 | 0.0 |
| 20                   | --- | --- | --- | --- | --- | 2.1 | 0.0  | 3.0 | 3.0   | 3.0 | 1.5 | 0.0 |
| 21                   | --- | --- | --- | --- | --- | 2.6 | 0.4  | 3.0 | 3.0   | 3.0 | 2.0 | 0.0 |
| 22                   | --- | --- | --- | --- | --- | 3.0 | 0.9  | 3.0 | 3.0   | 3.0 | 2.5 | 0.0 |
| 23                   | --- | --- | --- | --- | --- | 3.0 | 1.3  | 3.0 | 3.0   | 3.0 | 3.0 | 0.0 |
| 24                   | --- | --- | --- | --- | --- | 3.0 | 1.7  | 3.0 | 3.0   | 3.0 | 3.0 | 0.0 |
| 25                   | --- | --- | --- | --- | --- | 3.0 | 2.1  | 3.0 | 3.0   | 3.0 | 3.0 | 0.0 |
| 26                   | --- | --- | --- | --- | --- | 3.0 | 2.6  | 3.0 | 3.0   | 3.0 | 3.0 | 0.0 |
| 27                   | --- | --- | --- | --- | --- | 3.0 | 3.0  | 3.0 | 3.0   | 3.0 | 3.0 | 0.0 |
| 28                   | --- | --- | --- | --- | --- | 3.0 | 3.0  | 3.0 | 3.0   | 3.0 | 3.0 | 0.0 |
| 29                   | --- | --- | --- | --- | --- | 3.0 | 2.8  | 3.0 | 3.0   | 2.5 | 3.0 | 0.0 |
| 30                   | --- | --- | --- | --- | --- | 3.0 | 2.7  | 3.0 | 3.0   | 2.0 | 3.0 | 0.0 |
| 31                   | --- | --- | --- | --- | --- | --- | 2.5  | --- | 2.5   | 1.5 | 3.0 | 0.0 |
| TOTAL                |     |     |     |     |     | 36  | 50   | 84  | 93    | 1.0 | --- | 0.0 |
| MEAN                 |     |     |     |     |     | 1.2 | 1.6  | 2.8 | 68    | 53  | 39  |     |
| MAX                  |     |     |     |     |     | 3.0 | 3.0  | 3.0 | 3.0   | 3.0 | 3.0 | 1.3 |
| MIN                  |     |     |     |     |     | 0.0 | 0.0  | 2.0 | 0.0   | 0.0 | 0.0 | 0.0 |
| AC-FT                |     |     |     |     |     | 71  | 99   | 167 | 183   | 134 | 105 | 77  |
| IRRIGATION YEAR 1991 |     |     |     |     |     |     |      |     |       |     |     |     |
| TOTAL                |     |     |     |     |     | 422 | MEAN | 1   | AC-FT | 837 |     |     |

A-51

13206292 MACE-CATLIN CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB  | MAR | APR  | MAY | JUN   | JUL  | AUG | SEP | OCT |
|----------------------|-----|-----|-----|------|-----|------|-----|-------|------|-----|-----|-----|
| 1                    | --- | --- | --- | ---  | --- | 0.0  | 7.3 | 7.0   | 5.0  | 6.7 | 6.2 | 7.0 |
| 2                    | --- | --- | --- | ---  | --- | 0.0  | 7.4 | 6.5   | 5.0  | 6.5 | 6.0 | 6.8 |
| 3                    | --- | --- | --- | ---  | --- | 0.0  | 7.6 | 6.0   | 5.0  | 6.3 | 6.0 | 6.7 |
| 4                    | --- | --- | --- | ---  | --- | 0.0  | 7.7 | 6.0   | 5.0  | 6.2 | 6.0 | 6.5 |
| 5                    | --- | --- | --- | ---  | --- | 0.0  | 7.9 | 6.5   | 5.0  | 6.0 | 6.0 | 6.3 |
| 6                    | --- | --- | --- | ---  | --- | 0.0  | 8.0 | 7.0   | 5.0  | 6.0 | 6.0 | 6.2 |
| 7                    | --- | --- | --- | ---  | --- | 0.0  | 7.7 | 7.5   | 5.0  | 6.0 | 6.0 | 6.0 |
| 8                    | --- | --- | --- | ---  | --- | 0.0  | 7.4 | 8.0   | 5.0  | 6.0 | 6.0 | 6.0 |
| 9                    | --- | --- | --- | ---  | --- | 0.0  | 7.1 | 8.5   | 5.0  | 6.0 | 6.0 | 6.0 |
| 10                   | --- | --- | --- | ---  | --- | 0.0  | 6.9 | 9.0   | 5.2  | 6.0 | 6.0 | 6.0 |
| 11                   | --- | --- | --- | ---  | --- | 0.0  | 6.6 | 9.0   | 5.3  | 6.0 | 6.0 | 6.0 |
| 12                   | --- | --- | --- | ---  | --- | 0.0  | 6.3 | 9.0   | 5.5  | 6.0 | 6.0 | 6.0 |
| 13                   | --- | --- | --- | ---  | --- | 0.0  | 6.0 | 9.0   | 5.7  | 6.0 | 6.0 | 6.0 |
| 14                   | --- | --- | --- | ---  | --- | 0.0  | 5.9 | 9.0   | 5.8  | 6.2 | 6.0 | 6.0 |
| 15                   | --- | --- | --- | ---  | --- | 0.0  | 5.7 | 9.0   | 6.0  | 6.3 | 6.0 | 0.0 |
| 16                   | --- | --- | --- | ---  | --- | 0.6  | 5.6 | 9.0   | 6.0  | 6.5 | 6.0 | 0.0 |
| 17                   | --- | --- | --- | ---  | --- | 1.1  | 5.4 | 9.0   | 6.5  | 6.7 | 6.0 | 0.0 |
| 18                   | --- | --- | --- | ---  | --- | 1.7  | 5.3 | 9.0   | 7.0  | 6.8 | 6.2 | 0.0 |
| 19                   | --- | --- | --- | ---  | --- | 2.3  | 5.1 | 9.0   | 7.5  | 7.0 | 6.3 | 0.0 |
| 20                   | --- | --- | --- | ---  | --- | 2.9  | 5.0 | 9.0   | 8.0  | 7.0 | 6.5 | 0.0 |
| 21                   | --- | --- | --- | ---  | --- | 3.4  | 5.6 | 9.0   | 8.5  | 7.0 | 6.7 | 0.0 |
| 22                   | --- | --- | --- | ---  | --- | 4.0  | 6.1 | 9.0   | 9.0  | 7.0 | 6.8 | 0.0 |
| 23                   | --- | --- | --- | ---  | --- | 4.4  | 6.7 | 9.0   | 9.0  | 7.0 | 7.0 | 0.0 |
| 24                   | --- | --- | --- | ---  | --- | 4.9  | 7.3 | 9.0   | 8.7  | 7.0 | 7.0 | 0.0 |
| 25                   | --- | --- | --- | ---  | --- | 5.3  | 7.9 | 9.0   | 8.3  | 7.0 | 7.0 | 0.0 |
| 26                   | --- | --- | --- | ---  | --- | 5.7  | 8.4 | 8.3   | 8.0  | 7.0 | 7.0 | 0.0 |
| 27                   | --- | --- | --- | ---  | --- | 6.1  | 9.0 | 7.7   | 7.7  | 7.0 | 7.0 | 0.0 |
| 28                   | --- | --- | --- | ---  | --- | 6.6  | 9.0 | 7.0   | 7.3  | 6.8 | 7.0 | 0.0 |
| 29                   | --- | --- | --- | ---  | --- | 7.0  | 8.5 | 6.3   | 7.0  | 6.7 | 7.0 | 0.0 |
| 30                   | --- | --- | --- | ---  | --- | 7.1  | 8.0 | 5.7   | 7.0  | 6.5 | 7.0 | 0.0 |
| 31                   | --- | --- | --- | ---  | --- | ---  | 7.5 | ---   | 6.8  | 6.3 | --- | 0.0 |
| TOTAL                |     |     |     |      |     | 63   | 216 | 242   | 201  | 202 | 191 | 88  |
| MEAN                 |     |     |     |      |     | 2.1  | 7.0 | 8.1   | 6.5  | 6.5 | 6.4 | 2.8 |
| MAX                  |     |     |     |      |     | 7.1  | 9.0 | 9.0   | 9.0  | 7.0 | 7.0 | 7.0 |
| MIN                  |     |     |     |      |     | 0.0  | 5.0 | 5.7   | 5.0  | 6.0 | 6.0 | 0.0 |
| AC-FT                |     |     |     |      |     | 125  | 428 | 480   | 398  | 400 | 378 | 174 |
| IRRIGATION YEAR 1991 |     |     |     |      |     |      |     |       |      |     |     |     |
| TOTAL                |     |     |     | 1202 |     | MEAN | 3   | AC-FT | 2383 |     |     |     |

25-NOV-91

13206295 MACE-MACE CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR  | MAY | JUN   | JUL | AUG | SEP | OCT |
|----------------------|-----|-----|-----|-----|-----|------|-----|-------|-----|-----|-----|-----|
| 1                    | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.0 | 3.0 | 0.0 | 0.0 |
| 2                    | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.0 | 3.0 | 0.0 | 0.0 |
| 3                    | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.0 | 3.0 | 0.0 | 0.0 |
| 4                    | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.0 | 3.0 | 0.0 | 0.0 |
| 5                    | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.0 | 3.0 | 0.0 | 0.0 |
| 6                    | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.0 | 3.0 | 0.0 | 0.0 |
| 7                    | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.0 | 2.5 | 0.0 | 0.0 |
| 8                    | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.0 | 2.0 | 0.0 | 0.0 |
| 9                    | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.0 | 1.5 | 0.0 | 0.0 |
| 10                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.0 | 1.0 | 0.0 | 0.0 |
| 11                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.0 | 0.5 | 0.0 | 0.0 |
| 12                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 |
| 13                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 |
| 14                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 |
| 15                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 |
| 16                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 |
| 17                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 |
| 18                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 |
| 19                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 |
| 20                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 |
| 21                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 |
| 22                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 |
| 23                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 |
| 24                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 |
| 25                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 0.5 | 0.0 | 0.0 | 0.0 |
| 26                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 1.0 | 0.0 | 0.0 | 0.0 |
| 27                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 1.5 | 0.0 | 0.0 | 0.0 |
| 28                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 2.0 | 0.0 | 0.0 | 0.0 |
| 29                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 2.5 | 0.0 | 0.0 | 0.0 |
| 30                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 3.0 | 0.0 | 0.0 | 0.0 |
| 31                   | --- | --- | --- | --- | --- | 0.0  | 0.0 | 0.0   | 3.0 | 0.0 | 0.0 | 0.0 |
| TOTAL                |     |     |     |     |     | ---  | 0.0 | ---   | 3.0 | 0.0 | --- | 0.0 |
| MEAN                 |     |     |     |     |     | 0    | 0   | 0     | 17  | 26  |     | 0.0 |
| MAX                  |     |     |     |     |     | 0.0  | 0.0 | 0.0   | 0.5 | 0.8 | 0   | 0   |
| MIN                  |     |     |     |     |     | 0.0  | 0.0 | 0.0   | 3.0 | 3.0 | 0.0 | 0.0 |
| AC-FT                |     |     |     |     |     | 0    | 0   | 0     | 0.0 | 0.0 | 0.0 | 0.0 |
| IRRIGATION YEAR 1991 |     |     |     |     |     | 0    | 0   | 0     | 33  | 51  | 0   | 0   |
| TOTAL                |     |     |     | 42  |     | MEAN | 0   | AC-FT | 83  |     |     |     |

A-53

20-NOV-91

13206308 WROTEN PUMP  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR  | APR | MAY   | JUN | JUL | AUG | SEP | OCT |
|----------------------|-----|-----|-----|-----|------|-----|-------|-----|-----|-----|-----|-----|
| 1                    | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.7 | 0.2 | 0.0 |
| 2                    | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 1.0 | 0.5 | 0.0 | 0.0 |
| 3                    | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 1.0 | 0.3 | 0.0 | 0.0 |
| 4                    | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 1.0 | 0.2 | 0.0 | 0.0 |
| 5                    | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.2 | 1.0 | 0.0 | 0.0 | 0.0 |
| 6                    | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.3 | 1.0 | 1.0 | 0.0 | 0.0 |
| 7                    | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.5 | 1.0 | 1.0 | 0.0 | 0.0 |
| 8                    | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.7 | 1.0 | 1.0 | 0.0 | 0.0 |
| 9                    | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.8 | 1.0 | 1.0 | 0.0 | 0.0 |
| 10                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| 11                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| 12                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| 13                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| 14                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 |
| 15                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 1.0 | 1.0 | 0.2 | 0.0 | 0.0 |
| 16                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 1.0 | 1.0 | 0.3 | 0.0 | 0.0 |
| 17                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 1.0 | 1.0 | 0.5 | 0.0 | 0.0 |
| 18                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 1.0 | 1.0 | 0.7 | 0.0 | 0.0 |
| 19                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 1.0 | 1.0 | 0.8 | 0.0 | 0.0 |
| 20                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| 21                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| 22                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| 23                   | --- | --- | --- | --- | ---  | 2.0 | 0.0   | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| 24                   | --- | --- | --- | --- | ---  | 1.7 | 0.0   | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| 25                   | --- | --- | --- | --- | ---  | 1.4 | 0.0   | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| 26                   | --- | --- | --- | --- | ---  | 1.1 | 0.0   | 1.0 | 0.8 | 1.0 | 0.0 | 0.0 |
| 27                   | --- | --- | --- | --- | ---  | 0.9 | 0.0   | 0.8 | 0.7 | 1.0 | 0.0 | 0.0 |
| 28                   | --- | --- | --- | --- | ---  | 0.6 | 0.0   | 0.7 | 0.5 | 1.0 | 0.0 | 0.0 |
| 29                   | --- | --- | --- | --- | ---  | 0.3 | 0.0   | 0.5 | 0.3 | 1.0 | 0.0 | 0.0 |
| 30                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.3 | 0.2 | 0.8 | 0.0 | 0.0 |
| 31                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.2 | 0.0 | 0.7 | 0.0 | 0.0 |
| TOTAL                |     |     |     |     |      | --- | 0.0   | --- | 1.0 | 0.5 | 0.0 | 0.0 |
| MEAN                 |     |     |     |     |      | 8   | 0     | 21  | 26  | 0.3 | --- | 0.0 |
| MAX                  |     |     |     |     |      | 0.3 | 0.0   | 0.7 | 0.8 | 23  | 0   | 0   |
| MIN                  |     |     |     |     |      | 2.0 | 0.0   | 1.0 | 1.0 | 0.7 | 0.0 | 0.0 |
| AC-FT                |     |     |     |     |      | 0.0 | 0.0   | 0.0 | 0.0 | 1.0 | 0.2 | 0.0 |
| IRRIGATION YEAR 1991 |     |     |     |     |      | 16  | 0     | 42  | 52  | 45  | 0   | 0   |
| TOTAL                |     |     |     | 78  | MEAN | 0   | AC-FT | 154 |     |     |     |     |

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20-NOV-91

13208450 HART-DAVIS CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB  | MAR | APR  | MAY | JUN   | JUL  | AUG | SEP | OCT |
|----------------------|-----|-----|-----|------|-----|------|-----|-------|------|-----|-----|-----|
| 1                    | --- | --- | --- | ---  | --- | 0.0  | 7.3 | 9.0   | 9.0  | 8.3 | 6.0 | 4.0 |
| 2                    | --- | --- | --- | ---  | --- | 0.0  | 7.7 | 9.0   | 9.0  | 8.0 | 6.0 | 4.0 |
| 3                    | --- | --- | --- | ---  | --- | 0.0  | 8.0 | 9.0   | 9.0  | 7.7 | 6.0 | 4.0 |
| 4                    | --- | --- | --- | ---  | --- | 0.0  | 8.3 | 9.0   | 9.0  | 7.3 | 6.0 | 4.0 |
| 5                    | --- | --- | --- | ---  | --- | 0.0  | 8.7 | 9.0   | 9.0  | 7.0 | 6.0 | 4.0 |
| 6                    | --- | --- | --- | ---  | --- | 0.0  | 9.0 | 9.0   | 9.0  | 7.0 | 6.0 | 4.0 |
| 7                    | --- | --- | --- | ---  | --- | 0.0  | 9.0 | 9.0   | 9.0  | 7.0 | 6.0 | 4.0 |
| 8                    | --- | --- | --- | ---  | --- | 0.0  | 9.0 | 9.0   | 9.0  | 7.0 | 6.0 | 4.0 |
| 9                    | --- | --- | --- | ---  | --- | 1.3  | 9.0 | 9.0   | 9.0  | 7.0 | 6.0 | 4.0 |
| 10                   | --- | --- | --- | ---  | --- | 2.6  | 9.0 | 9.0   | 9.0  | 7.0 | 6.0 | 4.0 |
| 11                   | --- | --- | --- | ---  | --- | 3.9  | 9.0 | 9.0   | 9.0  | 7.0 | 6.0 | 4.0 |
| 12                   | --- | --- | --- | ---  | --- | 5.1  | 9.0 | 9.0   | 9.0  | 7.0 | 6.0 | 4.0 |
| 13                   | --- | --- | --- | ---  | --- | 6.4  | 9.0 | 9.0   | 9.0  | 7.0 | 6.0 | 4.0 |
| 14                   | --- | --- | --- | ---  | --- | 7.7  | 8.4 | 9.0   | 9.0  | 7.0 | 6.0 | 4.0 |
| 15                   | --- | --- | --- | ---  | --- | 9.0  | 7.9 | 9.0   | 9.0  | 7.0 | 6.0 | 4.0 |
| 16                   | --- | --- | --- | ---  | --- | 8.9  | 7.3 | 9.0   | 9.0  | 7.0 | 6.0 | 0.0 |
| 17                   | --- | --- | --- | ---  | --- | 8.7  | 6.7 | 9.0   | 9.0  | 7.0 | 6.0 | 0.0 |
| 18                   | --- | --- | --- | ---  | --- | 8.6  | 6.1 | 9.0   | 9.0  | 7.0 | 6.0 | 0.0 |
| 19                   | --- | --- | --- | ---  | --- | 8.4  | 5.6 | 9.0   | 9.0  | 7.0 | 5.7 | 0.0 |
| 20                   | --- | --- | --- | ---  | --- | 8.3  | 5.0 | 9.0   | 9.0  | 7.0 | 5.3 | 0.0 |
| 21                   | --- | --- | --- | ---  | --- | 8.1  | 5.6 | 9.0   | 9.0  | 7.0 | 5.0 | 0.0 |
| 22                   | --- | --- | --- | ---  | --- | 8.0  | 6.1 | 9.0   | 9.0  | 6.8 | 4.7 | 0.0 |
| 23                   | --- | --- | --- | ---  | --- | 7.9  | 6.7 | 9.0   | 9.0  | 6.7 | 4.3 | 0.0 |
| 24                   | --- | --- | --- | ---  | --- | 7.8  | 7.3 | 9.0   | 9.0  | 6.5 | 4.0 | 0.0 |
| 25                   | --- | --- | --- | ---  | --- | 7.6  | 7.9 | 9.0   | 9.0  | 6.3 | 4.0 | 0.0 |
| 26                   | --- | --- | --- | ---  | --- | 7.5  | 8.4 | 9.0   | 9.0  | 6.2 | 4.0 | 0.0 |
| 27                   | --- | --- | --- | ---  | --- | 7.4  | 9.0 | 9.0   | 9.0  | 6.0 | 4.0 | 0.0 |
| 28                   | --- | --- | --- | ---  | --- | 7.3  | 9.0 | 9.0   | 9.0  | 6.0 | 4.0 | 0.0 |
| 29                   | --- | --- | --- | ---  | --- | 7.1  | 9.0 | 9.0   | 9.0  | 6.0 | 4.0 | 0.0 |
| 30                   | --- | --- | --- | ---  | --- | 7.0  | 9.0 | 9.0   | 9.0  | 6.0 | 4.0 | 0.0 |
| 31                   | --- | --- | --- | ---  | --- | ---  | 9.0 | 9.0   | 9.0  | 6.0 | 4.0 | 0.0 |
| TOTAL                |     |     |     |      |     | 155  | 246 | 270   | 279  | 212 | 159 | 56  |
| MEAN                 |     |     |     |      |     | 5.2  | 7.9 | 9.0   | 9.0  | 6.8 | 5.3 | 1.8 |
| MAX                  |     |     |     |      |     | 9.0  | 9.0 | 9.0   | 9.0  | 8.3 | 6.0 | 4.0 |
| MIN                  |     |     |     |      |     | 0.0  | 5.0 | 9.0   | 8.7  | 6.0 | 4.0 | 0.0 |
| AC-FT                |     |     |     |      |     | 307  | 488 | 536   | 553  | 420 | 315 | 111 |
| IRRIGATION YEAR 1991 |     |     |     |      |     |      |     |       |      |     |     |     |
| TOTAL                |     |     |     | 1376 |     | MEAN | 4   | AC-FT | 2729 |     |     |     |

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13208710 MIDDLETON CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB   | MAR | APR  | MAY  | JUN   | JUL   | AUG  | SEP  | OCT  |
|----------------------|-----|-----|-----|-------|-----|------|------|-------|-------|------|------|------|
| 1                    | --- | --- | --- | ---   | --- | 0.0  | 117  | 121   | 110   | 141  | 139  | 94   |
| 2                    | --- | --- | --- | ---   | --- | 0.0  | 118  | 121   | 106   | 146  | 133  | 94   |
| 3                    | --- | --- | --- | ---   | --- | 0.0  | 120  | 122   | 106   | 162  | 127  | 95   |
| 4                    | --- | --- | --- | ---   | --- | 0.0  | 121  | 123   | 117   | 161  | 127  | 95   |
| 5                    | --- | --- | --- | ---   | --- | 0.0  | 122  | 123   | 128   | 161  | 120  | 96   |
| 6                    | --- | --- | --- | ---   | --- | 0.0  | 123  | 124   | 139   | 160  | 112  | 96   |
| 7                    | --- | --- | --- | ---   | --- | 0.0  | 125  | 125   | 150   | 160  | 105  | 97   |
| 8                    | --- | --- | --- | ---   | --- | 0.0  | 126  | 126   | 161   | 157  | 98   | 97   |
| 9                    | --- | --- | --- | ---   | --- | 0.0  | 127  | 127   | 172   | 153  | 90   | 97   |
| 10                   | --- | --- | --- | ---   | --- | 25   | 124  | 128   | 172   | 150  | 83   | 96   |
| 11                   | --- | --- | --- | ---   | --- | 80   | 122  | 129   | 166   | 146  | 83   | 96   |
| 12                   | --- | --- | --- | ---   | --- | 80   | 119  | 129   | 160   | 143  | 81   | 95   |
| 13                   | --- | --- | --- | ---   | --- | 100  | 116  | 130   | 153   | 139  | 78   | 95   |
| 14                   | --- | --- | --- | ---   | --- | 101  | 114  | 131   | 147   | 142  | 84   | 94   |
| 15                   | --- | --- | --- | ---   | --- | 101  | 111  | 133   | 151   | 144  | 89   | 94   |
| 16                   | --- | --- | --- | ---   | --- | 102  | 108  | 134   | 154   | 140  | 87   | 93   |
| 17                   | --- | --- | --- | ---   | --- | 102  | 106  | 135   | 152   | 135  | 85   | 93   |
| 18                   | --- | --- | --- | ---   | --- | 103  | 103  | 136   | 146   | 136  | 81   | 92   |
| 19                   | --- | --- | --- | ---   | --- | 103  | 100  | 136   | 140   | 136  | 92   | 92   |
| 20                   | --- | --- | --- | ---   | --- | 104  | 97   | 136   | 133   | 137  | 92   | 91   |
| 21                   | --- | --- | --- | ---   | --- | 104  | 95   | 136   | 127   | 137  | 92   | 91   |
| 22                   | --- | --- | --- | ---   | --- | 105  | 92   | 135   | 133   | 136  | 93   | 90   |
| 23                   | --- | --- | --- | ---   | --- | 105  | 96   | 135   | 138   | 136  | 93   | 30   |
| 24                   | --- | --- | --- | ---   | --- | 107  | 101  | 131   | 139   | 135  | 93   | 0.0  |
| 25                   | --- | --- | --- | ---   | --- | 108  | 105  | 127   | 152   | 134  | 93   | 0.0  |
| 26                   | --- | --- | --- | ---   | --- | 110  | 109  | 127   | 143   | 134  | 93   | 0.0  |
| 27                   | --- | --- | --- | ---   | --- | 111  | 114  | 124   | 142   | 133  | 93   | 0.0  |
| 28                   | --- | --- | --- | ---   | --- | 113  | 118  | 120   | 142   | 133  | 94   | 0.0  |
| 29                   | --- | --- | --- | ---   | --- | 114  | 118  | 117   | 138   | 135  | 94   | 0.0  |
| 30                   | --- | --- | --- | ---   | --- | 116  | 119  | 113   | 154   | 136  | 94   | 0.0  |
| 31                   | --- | --- | --- | ---   | --- | ---  | 120  | ---   | 172   | 138  | ---  | 0.0  |
| TOTAL                |     |     |     |       |     | 2092 | 3505 | 3832  | 4441  | 4434 | 2917 | 2102 |
| MEAN                 |     |     |     |       |     | 70   | 113  | 128   | 143   | 143  | 97   | 68   |
| MAX                  |     |     |     |       |     | 116  | 127  | 136   | 172   | 162  | 139  | 97   |
| MIN                  |     |     |     |       |     | 0.0  | 92   | 113   | 106   | 133  | 78   | 0.0  |
| AC-FT                |     |     |     |       |     | 4148 | 6951 | 7601  | 8808  | 8794 | 5785 | 4168 |
| IRRIGATION YEAR 1991 |     |     |     |       |     |      |      |       |       |      |      |      |
| TOTAL                |     |     |     | 23320 |     | MEAN | 64   | AC-FT | 46255 |      |      |      |

20-NOV-91

13208738 BARBER PUMPS  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR | MAY    | JUN       | JUL | AUG | SEP | OCT |
|----------------------|-----|-----|-----|-----|-----|-----|--------|-----------|-----|-----|-----|-----|
| 1                    | --- | --- | --- | --- | --- | 0.0 | 0.0    | 0.7       | 0.7 | 0.7 | 0.7 | 0.0 |
| 2                    | --- | --- | --- | --- | --- | 0.0 | 0.7    | 0.7       | 0.0 | 0.7 | 0.7 | 0.0 |
| 3                    | --- | --- | --- | --- | --- | 0.0 | 0.7    | 0.7       | 0.0 | 0.7 | 0.0 | 0.7 |
| 4                    | --- | --- | --- | --- | --- | 0.0 | 0.7    | 0.0       | 0.7 | 0.7 | 0.0 | 0.7 |
| 5                    | --- | --- | --- | --- | --- | 0.0 | 0.7    | 0.0       | 0.7 | 0.7 | 0.7 | 0.7 |
| 6                    | --- | --- | --- | --- | --- | 0.0 | 0.7    | 0.7       | 0.7 | 0.0 | 0.7 | 0.7 |
| 7                    | --- | --- | --- | --- | --- | 0.0 | 0.0    | 0.7       | 0.7 | 0.0 | 0.7 | 0.7 |
| 8                    | --- | --- | --- | --- | --- | 0.0 | 0.0    | 0.7       | 0.7 | 0.0 | 0.7 | 0.7 |
| 9                    | --- | --- | --- | --- | --- | 0.0 | 0.7    | 0.7       | 0.0 | 0.7 | 0.7 | 0.0 |
| 10                   | --- | --- | --- | --- | --- | 0.0 | 0.7    | 0.7       | 0.0 | 0.7 | 0.7 | 0.0 |
| 11                   | --- | --- | --- | --- | --- | 0.0 | 0.7    | 0.7       | 0.0 | 0.7 | 0.0 | 0.7 |
| 12                   | --- | --- | --- | --- | --- | 0.0 | 0.7    | 0.0       | 0.7 | 0.7 | 0.0 | 0.7 |
| 13                   | --- | --- | --- | --- | --- | 0.0 | 0.7    | 0.0       | 0.7 | 0.7 | 0.7 | 0.7 |
| 14                   | --- | --- | --- | --- | --- | 0.0 | 0.7    | 0.7       | 0.7 | 0.0 | 0.7 | 0.7 |
| 15                   | --- | --- | --- | --- | --- | 0.0 | 0.0    | 0.7       | 0.7 | 0.0 | 0.7 | 0.7 |
| 16                   | --- | --- | --- | --- | --- | 0.0 | 0.0    | 0.7       | 0.7 | 0.7 | 0.7 | 0.0 |
| 17                   | --- | --- | --- | --- | --- | 0.0 | 0.7    | 0.7       | 0.0 | 0.7 | 0.7 | 0.0 |
| 18                   | --- | --- | --- | --- | --- | 0.0 | 0.7    | 0.7       | 0.0 | 0.7 | 0.0 | 0.0 |
| 19                   | --- | --- | --- | --- | --- | 0.0 | 0.7    | 0.0       | 0.7 | 0.7 | 0.0 | 0.0 |
| 20                   | --- | --- | --- | --- | --- | 0.0 | 0.7    | 0.0       | 0.7 | 0.7 | 0.7 | 0.0 |
| 21                   | --- | --- | --- | --- | --- | 0.0 | 0.7    | 0.7       | 0.7 | 0.0 | 0.7 | 0.0 |
| 22                   | --- | --- | --- | --- | --- | 0.0 | 0.0    | 0.7       | 0.7 | 0.0 | 0.7 | 0.0 |
| 23                   | --- | --- | --- | --- | --- | 0.0 | 0.0    | 0.7       | 0.7 | 0.0 | 0.7 | 0.0 |
| 24                   | --- | --- | --- | --- | --- | 0.0 | 0.7    | 0.7       | 0.0 | 0.7 | 0.7 | 0.0 |
| 25                   | --- | --- | --- | --- | --- | 0.7 | 0.7    | 0.7       | 0.0 | 0.7 | 0.0 | 0.0 |
| 26                   | --- | --- | --- | --- | --- | 0.7 | 0.7    | 0.0       | 0.7 | 0.7 | 0.0 | 0.0 |
| 27                   | --- | --- | --- | --- | --- | 0.7 | 0.7    | 0.0       | 0.7 | 0.7 | 0.0 | 0.0 |
| 28                   | --- | --- | --- | --- | --- | 0.7 | 0.7    | 0.7       | 0.7 | 0.7 | 0.7 | 0.0 |
| 29                   | --- | --- | --- | --- | --- | 0.7 | 0.0    | 0.7       | 0.7 | 0.0 | 0.7 | 0.0 |
| 30                   | --- | --- | --- | --- | --- | 0.7 | 0.0    | 0.7       | 0.7 | 0.0 | 0.7 | 0.0 |
| 31                   | --- | --- | --- | --- | --- | 0.0 | 0.7    | 0.7       | 0.7 | 0.7 | 0.7 | 0.0 |
| TOTAL                |     |     |     |     |     | --- | 0.7    | ---       | 0.0 | 0.7 | 0.7 | 0.0 |
| MEAN                 |     |     |     |     |     | 4   | 15     | 15        | 15  | 16  | 15  | 7   |
| MAX                  |     |     |     |     |     | 0.1 | 0.5    | 0.5       | 0.5 | 0.5 | 0.5 | 0.2 |
| MIN                  |     |     |     |     |     | 0.7 | 0.7    | 0.7       | 0.7 | 0.7 | 0.7 | 0.7 |
| AC-FT                |     |     |     |     |     | 0.0 | 0.0    | 0.0       | 0.0 | 0.0 | 0.0 | 0.0 |
| IRRIGATION YEAR 1991 |     |     |     |     |     | 8   | 31     | 31        | 29  | 32  | 31  | 14  |
| TOTAL                |     |     |     |     |     | 88  | MEAN 0 | AC-FT 174 |     |     |     |     |

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| DAY                  | NOV | DEC | JAN | FEB | MAR  | APR | MAY   | JUN | JUL | AUG | SEP | OCT |
|----------------------|-----|-----|-----|-----|------|-----|-------|-----|-----|-----|-----|-----|
| 1                    | --- | --- | --- | --- | ---  | 0.0 | 1.2   | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 |
| 2                    | --- | --- | --- | --- | ---  | 0.0 | 1.2   | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 |
| 3                    | --- | --- | --- | --- | ---  | 0.0 | 1.2   | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 |
| 4                    | --- | --- | --- | --- | ---  | 0.0 | 1.2   | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 |
| 5                    | --- | --- | --- | --- | ---  | 0.0 | 1.2   | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 |
| 6                    | --- | --- | --- | --- | ---  | 0.0 | 1.2   | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 |
| 7                    | --- | --- | --- | --- | ---  | 0.0 | 1.2   | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 |
| 8                    | --- | --- | --- | --- | ---  | 0.0 | 1.2   | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 |
| 9                    | --- | --- | --- | --- | ---  | 0.0 | 1.2   | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 |
| 10                   | --- | --- | --- | --- | ---  | 0.0 | 1.2   | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 |
| 11                   | --- | --- | --- | --- | ---  | 0.0 | 1.2   | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 |
| 12                   | --- | --- | --- | --- | ---  | 0.0 | 1.2   | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 |
| 13                   | --- | --- | --- | --- | ---  | 0.0 | 1.2   | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 |
| 14                   | --- | --- | --- | --- | ---  | 0.0 | 1.2   | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 |
| 15                   | --- | --- | --- | --- | ---  | 0.0 | 1.2   | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 |
| 16                   | --- | --- | --- | --- | ---  | 0.2 | 1.2   | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 |
| 17                   | --- | --- | --- | --- | ---  | 0.3 | 1.2   | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 |
| 18                   | --- | --- | --- | --- | ---  | 0.5 | 1.2   | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 |
| 19                   | --- | --- | --- | --- | ---  | 0.7 | 1.2   | 1.2 | 1.2 | 1.2 | 1.0 | 0.0 |
| 20                   | --- | --- | --- | --- | ---  | 0.9 | 1.2   | 1.2 | 1.2 | 1.2 | 0.8 | 0.0 |
| 21                   | --- | --- | --- | --- | ---  | 1.0 | 1.2   | 1.2 | 1.2 | 1.2 | 0.6 | 0.0 |
| 22                   | --- | --- | --- | --- | ---  | 1.2 | 1.2   | 1.2 | 1.2 | 1.2 | 0.4 | 0.0 |
| 23                   | --- | --- | --- | --- | ---  | 1.2 | 1.2   | 1.2 | 1.2 | 1.2 | 0.2 | 0.0 |
| 24                   | --- | --- | --- | --- | ---  | 1.2 | 1.2   | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 |
| 25                   | --- | --- | --- | --- | ---  | 1.2 | 1.2   | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 |
| 26                   | --- | --- | --- | --- | ---  | 1.2 | 1.2   | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 |
| 27                   | --- | --- | --- | --- | ---  | 1.2 | 1.2   | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 |
| 28                   | --- | --- | --- | --- | ---  | 1.2 | 1.2   | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 |
| 29                   | --- | --- | --- | --- | ---  | 1.2 | 1.2   | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 |
| 30                   | --- | --- | --- | --- | ---  | 1.2 | 1.2   | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 |
| 31                   | --- | --- | --- | --- | ---  | 1.2 | 1.2   | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 |
| TOTAL                |     |     |     |     |      | --- | 1.2   | --- | 1.2 | 1.2 | 0.0 | 0.0 |
| MEAN                 |     |     |     |     |      | 14  | 37    |     | 1.2 | 1.2 | --- | 0.0 |
| MAX                  |     |     |     |     |      | 0.5 | 1.2   |     | 37  | 37  |     |     |
| MIN                  |     |     |     |     |      | 1.2 | 1.2   |     | 1.2 | 1.2 | 23  | 0   |
| AC-FT                |     |     |     |     |      | 0.0 | 1.2   |     | 1.2 | 1.2 | 0.8 | 0.0 |
|                      |     |     |     |     |      | 29  | 74    |     | 1.2 | 1.2 | 1.2 | 0.0 |
| IRRIGATION YEAR 1991 |     |     |     |     |      |     |       |     | 74  | 74  | 46  | 0   |
| TOTAL                |     |     |     | 185 | MEAN | 1   | AC-FT | 367 |     |     |     | 0   |

20-NOV-91

13209480 PHYLLIS CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN   | FEB   | MAR  | APR   | MAY   | JUN    | JUL   | AUG   | SEP  | OCT  |
|----------------------|-----|-----|-------|-------|------|-------|-------|--------|-------|-------|------|------|
| 1                    | --- | --- | ---   | ---   | ---  | 0.0   | 350   | 364    | 378   | 429   | 146  | 55   |
| 2                    | --- | --- | ---   | ---   | ---  | 0.0   | 354   | 363    | 366   | 427   | 148  | 55   |
| 3                    | --- | --- | ---   | ---   | ---  | 50    | 358   | 362    | 366   | 425   | 151  | 55   |
| 4                    | --- | --- | ---   | ---   | ---  | 150   | 363   | 389    | 373   | 422   | 151  | 55   |
| 5                    | --- | --- | ---   | ---   | ---  | 153   | 367   | 389    | 380   | 420   | 150  | 55   |
| 6                    | --- | --- | ---   | ---   | ---  | 156   | 371   | 394    | 388   | 418   | 150  | 55   |
| 7                    | --- | --- | ---   | ---   | ---  | 158   | 375   | 400    | 395   | 418   | 149  | 55   |
| 8                    | --- | --- | ---   | ---   | ---  | 161   | 379   | 405    | 402   | 417   | 148  | 55   |
| 9                    | --- | --- | ---   | ---   | ---  | 164   | 378   | 410    | 409   | 416   | 148  | 55   |
| 10                   | --- | --- | ---   | ---   | ---  | 174   | 378   | 416    | 409   | 415   | 35   | 55   |
| 11                   | --- | --- | ---   | ---   | ---  | 184   | 377   | 421    | 410   | 415   | 35   | 55   |
| 12                   | --- | --- | ---   | ---   | ---  | 194   | 376   | 421    | 410   | 80    | 42   | 55   |
| 13                   | --- | --- | ---   | ---   | ---  | 200   | 376   | 421    | 411   | 160   | 42   | 55   |
| 14                   | --- | --- | ---   | ---   | ---  | 205   | 375   | 422    | 411   | 160   | 42   | 20   |
| 15                   | --- | --- | ---   | ---   | ---  | 211   | 374   | 422    | 440   | 160   | 42   | 0.0  |
| 16                   | --- | --- | ---   | ---   | ---  | 216   | 373   | 422    | 450   | 160   | 42   | 0.0  |
| 17                   | --- | --- | ---   | ---   | ---  | 229   | 373   | 423    | 450   | 160   | 42   | 0.0  |
| 18                   | --- | --- | ---   | ---   | ---  | 242   | 372   | 423    | 447   | 160   | 42   | 0.0  |
| 19                   | --- | --- | ---   | ---   | ---  | 254   | 350   | 423    | 445   | 165   | 43   | 0.0  |
| 20                   | --- | --- | ---   | ---   | ---  | 267   | 328   | 425    | 442   | 172   | 43   | 0.0  |
| 21                   | --- | --- | ---   | ---   | ---  | 280   | 305   | 427    | 446   | 172   | 44   | 0.0  |
| 22                   | --- | --- | ---   | ---   | ---  | 293   | 283   | 430    | 449   | 172   | 44   | 0.0  |
| 23                   | --- | --- | ---   | ---   | ---  | 305   | 297   | 432    | 453   | 141   | 45   | 0.0  |
| 24                   | --- | --- | ---   | ---   | ---  | 318   | 311   | 434    | 453   | 141   | 45   | 0.0  |
| 25                   | --- | --- | ---   | ---   | ---  | 323   | 325   | 436    | 447   | 141   | 45   | 0.0  |
| 26                   | --- | --- | ---   | ---   | ---  | 327   | 338   | 436    | 433   | 141   | 47   | 0.0  |
| 27                   | --- | --- | ---   | ---   | ---  | 332   | 352   | 424    | 432   | 141   | 48   | 0.0  |
| 28                   | --- | --- | ---   | ---   | ---  | 337   | 366   | 413    | 432   | 141   | 50   | 0.0  |
| 29                   | --- | --- | ---   | ---   | ---  | 341   | 366   | 401    | 431   | 142   | 52   | 0.0  |
| 30                   | --- | --- | ---   | ---   | ---  | 346   | 365   | 389    | 430   | 142   | 53   | 0.0  |
| 31                   | --- | --- | ---   | ---   | ---  | ---   | 364   | ---    | 431   | 143   | ---  | 0.0  |
| TOTAL                |     |     |       |       |      | 6568  | 11018 | 12336  | 13018 | 7616  | 2263 | 735  |
| MEAN                 |     |     |       |       |      | 219   | 355   | 411    | 420   | 246   | 75   | 24   |
| MAX                  |     |     |       |       |      | 346   | 379   | 436    | 453   | 429   | 151  | 55   |
| MIN                  |     |     |       |       |      | 0.0   | 283   | 362    | 366   | 80    | 35   | 0.0  |
| AC-FT                |     |     |       |       |      | 13028 | 21854 | 24469  | 25821 | 15105 | 4488 | 1458 |
| IRRIGATION YEAR 1991 |     |     | TOTAL | 53553 | MEAN | 147   | AC-FT | 106222 |       |       |      |      |

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20-NOV-91

13209482 EUREKA #1 CANAL (INCLUDED IN PHYLIS)  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR  | MAY  | JUN  | JUL   | AUG   | SEP  | OCT |
|----------------------|-----|-----|-----|-----|-----|------|------|------|-------|-------|------|-----|
| 1                    | --- | --- | --- | --- | --- | 0.0  | 28   | 31   | 33    | 27    | 23   | 19  |
| 2                    | --- | --- | --- | --- | --- | 0.0  | 28   | 31   | 33    | 27    | 23   | 19  |
| 3                    | --- | --- | --- | --- | --- | 0.0  | 29   | 31   | 33    | 27    | 23   | 19  |
| 4                    | --- | --- | --- | --- | --- | 0.0  | 29   | 31   | 33    | 27    | 23   | 19  |
| 5                    | --- | --- | --- | --- | --- | 0.0  | 29   | 31   | 33    | 27    | 23   | 19  |
| 6                    | --- | --- | --- | --- | --- | 0.0  | 29   | 31   | 33    | 27    | 23   | 19  |
| 7                    | --- | --- | --- | --- | --- | 0.0  | 29   | 31   | 33    | 27    | 23   | 19  |
| 8                    | --- | --- | --- | --- | --- | 0.0  | 30   | 32   | 33    | 27    | 23   | 19  |
| 9                    | --- | --- | --- | --- | --- | 20   | 30   | 32   | 33    | 27    | 22   | 19  |
| 10                   | --- | --- | --- | --- | --- | 21   | 30   | 32   | 33    | 26    | 22   | 19  |
| 11                   | --- | --- | --- | --- | --- | 21   | 30   | 33   | 33    | 26    | 22   | 19  |
| 12                   | --- | --- | --- | --- | --- | 22   | 30   | 33   | 25    | 26    | 22   | 19  |
| 13                   | --- | --- | --- | --- | --- | 23   | 30   | 33   | 25    | 25    | 22   | 19  |
| 14                   | --- | --- | --- | --- | --- | 23   | 30   | 33   | 25    | 25    | 22   | 19  |
| 15                   | --- | --- | --- | --- | --- | 24   | 30   | 33   | 25    | 25    | 23   | 7.0 |
| 16                   | --- | --- | --- | --- | --- | 24   | 30   | 33   | 25    | 25    | 23   | 0.0 |
| 17                   | --- | --- | --- | --- | --- | 25   | 30   | 33   | 25    | 26    | 23   | 0.0 |
| 18                   | --- | --- | --- | --- | --- | 26   | 29   | 33   | 25    | 26    | 19   | 0.0 |
| 19                   | --- | --- | --- | --- | --- | 26   | 29   | 33   | 25    | 26    | 19   | 0.0 |
| 20                   | --- | --- | --- | --- | --- | 27   | 29   | 33   | 33    | 27    | 19   | 0.0 |
| 21                   | --- | --- | --- | --- | --- | 28   | 29   | 33   | 33    | 27    | 19   | 0.0 |
| 22                   | --- | --- | --- | --- | --- | 28   | 29   | 33   | 32    | 27    | 19   | 0.0 |
| 23                   | --- | --- | --- | --- | --- | 29   | 29   | 33   | 32    | 27    | 19   | 0.0 |
| 24                   | --- | --- | --- | --- | --- | 29   | 29   | 33   | 31    | 26    | 19   | 0.0 |
| 25                   | --- | --- | --- | --- | --- | 30   | 30   | 33   | 31    | 26    | 19   | 0.0 |
| 26                   | --- | --- | --- | --- | --- | 30   | 30   | 33   | 31    | 25    | 19   | 0.0 |
| 27                   | --- | --- | --- | --- | --- | 29   | 30   | 33   | 27    | 24    | 19   | 0.0 |
| 28                   | --- | --- | --- | --- | --- | 29   | 31   | 33   | 27    | 24    | 19   | 0.0 |
| 29                   | --- | --- | --- | --- | --- | 29   | 31   | 33   | 27    | 23    | 19   | 0.0 |
| 30                   | --- | --- | --- | --- | --- | 29   | 31   | 33   | 27    | 23    | 19   | 0.0 |
| 31                   | --- | --- | --- | --- | --- | 28   | 31   | 33   | 27    | 23    | 19   | 0.0 |
| TOTAL                |     |     |     |     |     | ---  | 31   | ---  | 27    | 23    | 19   | 0.0 |
| MEAN                 |     |     |     |     |     | 599  | 918  | 975  | 910   | 793   | 627  | 254 |
| MAX                  |     |     |     |     |     | 20   | 30   | 33   | 29    | 26    | 21   | 8.2 |
| MIN                  |     |     |     |     |     | 30   | 31   | 33   | 33    | 27    | 23   | 19  |
| AC-FT                |     |     |     |     |     | 0.0  | 28   | 31   | 25    | 23    | 19   | 0.0 |
| IRRIGATION YEAR 1991 |     |     |     |     |     | 1189 | 1821 | 1934 | 1805  | 1573  | 1244 | 504 |
| TOTAL                |     |     |     |     |     | 5076 | MEAN | 14   | AC-FT | 10069 |      |     |

09-A-60

20-NOV-91

13209630 LITTLE PIONEER CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  |
|----------------------|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| 1                    | --- | --- | --- | --- | --- | 15   | 31   | 31   | 29   | 27   | 27   | 20   |
| 2                    | --- | --- | --- | --- | --- | 16   | 31   | 31   | 29   | 27   | 26   | 20   |
| 3                    | --- | --- | --- | --- | --- | 17   | 31   | 31   | 29   | 28   | 26   | 20   |
| 4                    | --- | --- | --- | --- | --- | 18   | 31   | 31   | 29   | 29   | 26   | 21   |
| 5                    | --- | --- | --- | --- | --- | 19   | 31   | 31   | 29   | 29   | 26   | 21   |
| 6                    | --- | --- | --- | --- | --- | 20   | 31   | 31   | 29   | 30   | 25   | 21   |
| 7                    | --- | --- | --- | --- | --- | 21   | 31   | 31   | 29   | 30   | 25   | 22   |
| 8                    | --- | --- | --- | --- | --- | 22   | 30   | 31   | 29   | 30   | 25   | 22   |
| 9                    | --- | --- | --- | --- | --- | 23   | 30   | 31   | 29   | 30   | 24   | 22   |
| 10                   | --- | --- | --- | --- | --- | 24   | 29   | 31   | 29   | 30   | 24   | 22   |
| 11                   | --- | --- | --- | --- | --- | 25   | 28   | 31   | 29   | 29   | 24   | 22   |
| 12                   | --- | --- | --- | --- | --- | 26   | 27   | 31   | 29   | 29   | 24   | 22   |
| 13                   | --- | --- | --- | --- | --- | 27   | 27   | 31   | 30   | 29   | 23   | 22   |
| 14                   | --- | --- | --- | --- | --- | 28   | 26   | 31   | 30   | 29   | 23   | 22   |
| 15                   | --- | --- | --- | --- | --- | 29   | 25   | 31   | 30   | 29   | 23   | 22   |
| 16                   | --- | --- | --- | --- | --- | 30   | 25   | 31   | 30   | 29   | 22   | 23   |
| 17                   | --- | --- | --- | --- | --- | 30   | 24   | 31   | 30   | 29   | 22   | 23   |
| 18                   | --- | --- | --- | --- | --- | 30   | 24   | 31   | 30   | 30   | 21   | 23   |
| 19                   | --- | --- | --- | --- | --- | 30   | 23   | 31   | 30   | 30   | 21   | 23   |
| 20                   | --- | --- | --- | --- | --- | 29   | 23   | 31   | 30   | 30   | 21   | 23   |
| 21                   | --- | --- | --- | --- | --- | 29   | 22   | 30   | 30   | 30   | 20   | 23   |
| 22                   | --- | --- | --- | --- | --- | 29   | 23   | 30   | 30   | 30   | 20   | 23   |
| 23                   | --- | --- | --- | --- | --- | 29   | 25   | 30   | 30   | 29   | 19   | 23   |
| 24                   | --- | --- | --- | --- | --- | 29   | 26   | 29   | 30   | 29   | 19   | 23   |
| 25                   | --- | --- | --- | --- | --- | 30   | 27   | 29   | 29   | 29   | 19   | 23   |
| 26                   | --- | --- | --- | --- | --- | 30   | 28   | 29   | 29   | 28   | 19   | 23   |
| 27                   | --- | --- | --- | --- | --- | 30   | 30   | 29   | 28   | 28   | 19   | 23   |
| 28                   | --- | --- | --- | --- | --- | 30   | 31   | 29   | 28   | 28   | 20   | 23   |
| 29                   | --- | --- | --- | --- | --- | 31   | 31   | 29   | 27   | 28   | 20   | 23   |
| 30                   | --- | --- | --- | --- | --- | 31   | 31   | 29   | 27   | 28   | 20   | 23   |
| 31                   | --- | --- | --- | --- | --- | ---  | 31   | 29   | 26   | 27   | 20   | 23   |
| TOTAL                |     |     |     |     |     | 777  | 863  | 913  | 900  | 896  | 668  | 690  |
| MEAN                 |     |     |     |     |     | 26   | 28   | 30   | 29   | 29   | 22   | 22   |
| MAX                  |     |     |     |     |     | 31   | 31   | 31   | 30   | 30   | 27   | 23   |
| MIN                  |     |     |     |     |     | 15   | 22   | 29   | 26   | 27   | 19   | 20   |
| AC-FT                |     |     |     |     |     | 1541 | 1712 | 1811 | 1784 | 1777 | 1325 | 1368 |
| IRRIGATION YEAR 1991 |     |     |     |     |     |      |      |      |      |      |      |      |
| TOTAL                |     |     |     |     |     |      |      |      |      |      |      |      |
| MEAN                 |     |     |     |     |     |      |      |      |      |      |      |      |
| 16                   |     |     |     |     |     |      |      |      |      |      |      |      |
| AC-FT                |     |     |     |     |     |      |      |      |      |      |      |      |
| 11317                |     |     |     |     |     |      |      |      |      |      |      |      |

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20-NOV-91

13209990 CANYON COUNTY CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR   | MAY   | JUN  | JUL  | AUG   | SEP   | OCT  |
|----------------------|-----|-----|-----|-----|-----|-------|-------|------|------|-------|-------|------|
| 1                    | --- | --- | --- | --- | --- | 0.0   | 45    | 61   | 64   | 52    | 56    | 52   |
| 2                    | --- | --- | --- | --- | --- | 0.0   | 49    | 67   | 63   | 55    | 55    | 52   |
| 3                    | --- | --- | --- | --- | --- | 0.0   | 52    | 70   | 63   | 59    | 54    | 53   |
| 4                    | --- | --- | --- | --- | --- | 0.0   | 56    | 73   | 63   | 62    | 54    | 54   |
| 5                    | --- | --- | --- | --- | --- | 0.0   | 59    | 73   | 64   | 66    | 54    | 55   |
| 6                    | --- | --- | --- | --- | --- | 0.0   | 63    | 73   | 64   | 69    | 53    | 56   |
| 7                    | --- | --- | --- | --- | --- | 0.0   | 66    | 73   | 64   | 69    | 53    | 57   |
| 8                    | --- | --- | --- | --- | --- | 0.0   | 65    | 73   | 65   | 68    | 52    | 58   |
| 9                    | --- | --- | --- | --- | --- | 0.0   | 64    | 72   | 65   | 67    | 52    | 58   |
| 10                   | --- | --- | --- | --- | --- | 4.3   | 63    | 72   | 65   | 67    | 51    | 58   |
| 11                   | --- | --- | --- | --- | --- | 8.6   | 63    | 72   | 66   | 66    | 51    | 58   |
| 12                   | --- | --- | --- | --- | --- | 13    | 62    | 72   | 66   | 65    | 49    | 58   |
| 13                   | --- | --- | --- | --- | --- | 17    | 61    | 73   | 67   | 64    | 47    | 58   |
| 14                   | --- | --- | --- | --- | --- | 21    | 60    | 73   | 68   | 64    | 45    | 58   |
| 15                   | --- | --- | --- | --- | --- | 26    | 58    | 74   | 68   | 63    | 43    | 20   |
| 16                   | --- | --- | --- | --- | --- | 30    | 56    | 74   | 69   | 62    | 41    | 0.0  |
| 17                   | --- | --- | --- | --- | --- | 32    | 54    | 75   | 69   | 61    | 39    | ---  |
| 18                   | --- | --- | --- | --- | --- | 34    | 52    | 75   | 68   | 59    | 39    | ---  |
| 19                   | --- | --- | --- | --- | --- | 36    | 50    | 75   | 66   | 58    | 39    | ---  |
| 20                   | --- | --- | --- | --- | --- | 38    | 48    | 74   | 65   | 57    | 39    | ---  |
| 21                   | --- | --- | --- | --- | --- | 40    | 46    | 74   | 64   | 57    | 39    | ---  |
| 22                   | --- | --- | --- | --- | --- | 42    | 45    | 73   | 62   | 57    | 39    | ---  |
| 23                   | --- | --- | --- | --- | --- | 44    | 45    | 72   | 61   | 58    | 38    | ---  |
| 24                   | --- | --- | --- | --- | --- | 46    | 44    | 72   | 61   | 58    | 38    | ---  |
| 25                   | --- | --- | --- | --- | --- | 46    | 43    | 71   | 59   | 58    | 38    | ---  |
| 26                   | --- | --- | --- | --- | --- | 46    | 42    | 71   | 57   | 59    | 40    | ---  |
| 27                   | --- | --- | --- | --- | --- | 46    | 42    | 70   | 55   | 59    | 43    | ---  |
| 28                   | --- | --- | --- | --- | --- | 45    | 41    | 68   | 52   | 59    | 45    | ---  |
| 29                   | --- | --- | --- | --- | --- | 45    | 41    | 67   | 50   | 58    | 47    | ---  |
| 30                   | --- | --- | --- | --- | --- | 45    | 40    | 66   | 48   | 57    | 50    | ---  |
| 31                   | --- | --- | --- | --- | --- | ---   | 56    | ---  | 48   | 57    | ---   | ---  |
| TOTAL                |     |     |     |     |     | 705   | 1638  | 2146 | 1929 | 1888  | 1380  | 805  |
| MEAN                 |     |     |     |     |     | 23    | 53    | 72   | 62   | 61    | 46    | 50   |
| MAX                  |     |     |     |     |     | 46    | 66    | 75   | 69   | 69    | 56    | 58   |
| MIN                  |     |     |     |     |     | 0.0   | 41    | 61   | 48   | 52    | 38    | 0.0  |
| AC-FT                |     |     |     |     |     | 1397  | 3248  | 4256 | 3826 | 3744  | 2736  | 1597 |
| IRRIGATION YEAR 1991 |     |     |     |     |     | TOTAL | 10489 | MEAN | 29   | AC-FT | 20803 |      |

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20-NOV-91

13210005 CALDWELL HIGHLINE CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR  | MAY   | JUN  | JUL  | AUG  | SEP  | OCT |
|----------------------|-----|-----|-----|-----|-----|------|-------|------|------|------|------|-----|
| 1                    | --- | --- | --- | --- | --- | 0.0  | 37    | 43   | 38   | 40   | 36   | 25  |
| 2                    | --- | --- | --- | --- | --- | 0.0  | 37    | 43   | 38   | 39   | 36   | 25  |
| 3                    | --- | --- | --- | --- | --- | 30   | 36    | 44   | 38   | 39   | 36   | 25  |
| 4                    | --- | --- | --- | --- | --- | 30   | 36    | 44   | 38   | 38   | 36   | 25  |
| 5                    | --- | --- | --- | --- | --- | 31   | 35    | 44   | 38   | 38   | 36   | 25  |
| 6                    | --- | --- | --- | --- | --- | ---  | ---   | ---  | ---  | ---  | ---  | --- |
| 7                    | --- | --- | --- | --- | --- | 31   | 35    | 43   | 38   | 37   | 25   | 25  |
| 8                    | --- | --- | --- | --- | --- | 31   | 34    | 43   | 38   | 37   | 25   | 25  |
| 9                    | --- | --- | --- | --- | --- | 32   | 34    | 42   | 38   | 37   | 25   | 25  |
| 10                   | --- | --- | --- | --- | --- | 32   | 33    | 41   | 38   | 38   | 25   | 25  |
| 11                   | --- | --- | --- | --- | --- | 32   | 33    | 41   | 38   | 38   | 25   | 25  |
| 12                   | --- | --- | --- | --- | --- | 33   | 34    | 40   | 38   | 38   | 25   | 25  |
| 13                   | --- | --- | --- | --- | --- | 33   | 34    | 40   | 39   | 39   | 25   | 25  |
| 14                   | --- | --- | --- | --- | --- | 33   | 34    | 40   | 39   | 39   | 25   | 25  |
| 15                   | --- | --- | --- | --- | --- | 34   | 34    | 40   | 39   | 39   | 25   | 8.0 |
| 16                   | --- | --- | --- | --- | --- | 34   | 34    | 40   | 40   | 39   | 25   | 0.0 |
| 17                   | --- | --- | --- | --- | --- | 34   | 35    | 40   | 40   | 38   | 25   | 0.0 |
| 18                   | --- | --- | --- | --- | --- | 35   | 35    | 40   | 40   | 38   | 25   | 0.0 |
| 19                   | --- | --- | --- | --- | --- | 35   | 35    | 40   | 40   | 37   | 25   | 0.0 |
| 20                   | --- | --- | --- | --- | --- | 35   | 35    | 40   | 40   | 37   | 25   | 0.0 |
| 21                   | --- | --- | --- | --- | --- | 36   | 36    | 40   | 41   | 36   | 25   | 0.0 |
| 22                   | --- | --- | --- | --- | --- | 36   | 36    | 40   | 41   | 36   | 25   | 0.0 |
| 23                   | --- | --- | --- | --- | --- | 36   | 36    | 40   | 41   | 36   | 25   | 0.0 |
| 24                   | --- | --- | --- | --- | --- | 37   | 37    | 39   | 41   | 36   | 25   | 0.0 |
| 25                   | --- | --- | --- | --- | --- | 37   | 38    | 39   | 41   | 36   | 25   | 0.0 |
| 26                   | --- | --- | --- | --- | --- | 37   | 39    | 39   | 41   | 36   | 25   | 0.0 |
| 27                   | --- | --- | --- | --- | --- | 37   | 40    | 39   | 41   | 36   | 25   | 0.0 |
| 28                   | --- | --- | --- | --- | --- | 37   | 41    | 39   | 41   | 36   | 25   | 0.0 |
| 29                   | --- | --- | --- | --- | --- | 37   | 42    | 39   | 41   | 36   | 25   | 0.0 |
| 30                   | --- | --- | --- | --- | --- | 37   | 42    | 39   | 40   | 36   | 25   | 0.0 |
| 31                   | --- | --- | --- | --- | --- | 37   | 42    | 38   | 40   | 36   | 25   | 0.0 |
| TOTAL                |     |     |     |     |     | ---  | 43    | ---  | 40   | 36   | 25   | 0.0 |
| MEAN                 |     |     |     |     |     | 959  | 1131  | 1218 | 1222 | 1154 | 805  | 333 |
| MAX                  |     |     |     |     |     | 32   | 36    | 41   | 39   | 37   | 27   | 11  |
| MIN                  |     |     |     |     |     | 37   | 43    | 44   | 41   | 40   | 36   | 25  |
| AC-FT                |     |     |     |     |     | 1902 | 2243  | 2416 | 2424 | 2289 | 1597 | 661 |
| IRRIGATION YEAR 1991 |     |     |     |     |     |      |       |      |      |      |      |     |
| TOTAL                |     |     |     |     |     | 6822 |       |      |      |      |      |     |
| MEAN                 |     |     |     |     |     | 19   |       |      |      |      |      |     |
| AC-FT                |     |     |     |     |     |      | 13531 |      |      |      |      |     |

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20-NOV-91

13210984 RIVERSIDE CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN   | FEB   | MAR  | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT  |
|----------------------|-----|-----|-------|-------|------|-------|-------|-------|-------|-------|-------|------|
| 1                    | --- | --- | ---   | ---   | ---  | 177   | 198   | 210   | 224   | 227   | 249   | 228  |
| 2                    | --- | --- | ---   | ---   | ---  | 180   | 200   | 208   | 221   | 230   | 249   | 228  |
| 3                    | --- | --- | ---   | ---   | ---  | 183   | 202   | 206   | 221   | 234   | 248   | 230  |
| 4                    | --- | --- | ---   | ---   | ---  | 186   | 204   | 204   | 220   | 237   | 248   | 232  |
| 5                    | --- | --- | ---   | ---   | ---  | 190   | 206   | 204   | 219   | 241   | 250   | 235  |
| 6                    | --- | --- | ---   | ---   | ---  | 193   | 208   | 202   | 218   | 244   | 251   | 237  |
| 7                    | --- | --- | ---   | ---   | ---  | 196   | 210   | 200   | 217   | 244   | 253   | 239  |
| 8                    | --- | --- | ---   | ---   | ---  | 199   | 212   | 198   | 216   | 246   | 254   | 241  |
| 9                    | --- | --- | ---   | ---   | ---  | 202   | 214   | 195   | 215   | 247   | 256   | 238  |
| 10                   | --- | --- | ---   | ---   | ---  | 205   | 213   | 193   | 215   | 249   | 257   | 236  |
| 11                   | --- | --- | ---   | ---   | ---  | 208   | 212   | 191   | 217   | 250   | 257   | 233  |
| 12                   | --- | --- | ---   | ---   | ---  | 212   | 211   | 191   | 218   | 252   | 253   | 230  |
| 13                   | --- | --- | ---   | ---   | ---  | 215   | 210   | 194   | 220   | 253   | 248   | 228  |
| 14                   | --- | --- | ---   | ---   | ---  | 218   | 209   | 198   | 221   | 253   | 244   | 225  |
| 15                   | --- | --- | ---   | ---   | ---  | 221   | 209   | 201   | 223   | 252   | 240   | 75   |
| 16                   | --- | --- | ---   | ---   | ---  | 219   | 208   | 204   | 224   | 251   | 235   | 0.0  |
| 17                   | --- | --- | ---   | ---   | ---  | 217   | 207   | 208   | 224   | 250   | 231   | 0.0  |
| 18                   | --- | --- | ---   | ---   | ---  | 214   | 206   | 211   | 225   | 248   | 231   | 0.0  |
| 19                   | --- | --- | ---   | ---   | ---  | 212   | 205   | 211   | 227   | 247   | 232   | 0.0  |
| 20                   | --- | --- | ---   | ---   | ---  | 210   | 204   | 215   | 228   | 246   | 233   | 0.0  |
| 21                   | --- | --- | ---   | ---   | ---  | 208   | 203   | 220   | 229   | 246   | 234   | 0.0  |
| 22                   | --- | --- | ---   | ---   | ---  | 205   | 202   | 224   | 231   | 247   | 235   | 0.0  |
| 23                   | --- | --- | ---   | ---   | ---  | 203   | 204   | 228   | 232   | 248   | 236   | 0.0  |
| 24                   | --- | --- | ---   | ---   | ---  | 201   | 207   | 233   | 232   | 249   | 237   | 0.0  |
| 25                   | --- | --- | ---   | ---   | ---  | 201   | 209   | 237   | 233   | 249   | 237   | 0.0  |
| 26                   | --- | --- | ---   | ---   | ---  | 200   | 211   | 237   | 234   | 250   | 231   | 0.0  |
| 27                   | --- | --- | ---   | ---   | ---  | 200   | 214   | 234   | 235   | 251   | 224   | 0.0  |
| 28                   | --- | --- | ---   | ---   | ---  | 199   | 216   | 232   | 236   | 251   | 218   | 0.0  |
| 29                   | --- | --- | ---   | ---   | ---  | 199   | 216   | 229   | 241   | 251   | 211   | 0.0  |
| 30                   | --- | --- | ---   | ---   | ---  | 198   | 214   | 226   | 223   | 250   | 220   | 0.0  |
| 31                   | --- | --- | ---   | ---   | ---  | ---   | 212   | ---   | 223   | 250   | ---   | 0.0  |
| TOTAL                |     |     |       |       |      | 6071  | 6455  | 6344  | 6960  | 7638  | 7199  | 3335 |
| MEAN                 |     |     |       |       |      | 202   | 208   | 211   | 225   | 246   | 240   | 108  |
| MAX                  |     |     |       |       |      | 221   | 216   | 237   | 241   | 253   | 257   | 241  |
| MIN                  |     |     |       |       |      | 177   | 198   | 191   | 215   | 227   | 211   | 0.0  |
| AC-FT                |     |     |       |       |      | 12042 | 12803 | 12583 | 13806 | 15150 | 14278 | 6614 |
| IRRIGATION YEAR 1991 |     |     | TOTAL | 44001 | MEAN | 121   | AC-FT | 87275 |       |       |       |      |

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20-NOV-91

13210992 SEBREE CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY   | NOV | DEC | JAN | FEB | MAR | APR  | MAY   | JUN   | JUL   | AUG   | SEP   | OCT  |
|-------|-----|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|------|
| 1     | --- | --- | --- | --- | --- | 0.0  | 198   | 254   | 256   | 239   | 218   | 154  |
| 2     | --- | --- | --- | --- | --- | 0.0  | 200   | 251   | 253   | 241   | 216   | 154  |
| 3     | --- | --- | --- | --- | --- | 0.0  | 201   | 249   | 253   | 243   | 215   | 156  |
| 4     | --- | --- | --- | --- | --- | 60   | 202   | 246   | 255   | 245   | 215   | 158  |
| 5     | --- | --- | --- | --- | --- | 68   | 203   | 246   | 258   | 247   | 209   | 160  |
| 6     | --- | --- | --- | --- | --- | 76   | 207   | 251   | 260   | 249   | 204   | 160  |
| 7     | --- | --- | --- | --- | --- | 84   | 211   | 256   | 262   | 249   | 198   | 160  |
| 8     | --- | --- | --- | --- | --- | 92   | 215   | 261   | 265   | 246   | 192   | 147  |
| 9     | --- | --- | --- | --- | --- | 100  | 219   | 266   | 267   | 243   | 187   | 147  |
| 10    | --- | --- | --- | --- | --- | 107  | 219   | 271   | 267   | 241   | 181   | 147  |
| 11    | --- | --- | --- | --- | --- | 114  | 219   | 276   | 265   | 238   | 181   | 147  |
| 12    | --- | --- | --- | --- | --- | 121  | 220   | 276   | 263   | 235   | 175   | 147  |
| 13    | --- | --- | --- | --- | --- | 129  | 220   | 276   | 261   | 232   | 185   | 147  |
| 14    | --- | --- | --- | --- | --- | 136  | 220   | 275   | 259   | 232   | 185   | 147  |
| 15    | --- | --- | --- | --- | --- | 143  | 220   | 275   | 257   | 229   | 185   | 50   |
| 16    | --- | --- | --- | --- | --- | 150  | 211   | 275   | 255   | 227   | 185   | 0.0  |
| 17    | --- | --- | --- | --- | --- | 155  | 202   | 274   | 255   | 224   | 185   | 0.0  |
| 18    | --- | --- | --- | --- | --- | 160  | 193   | 274   | 253   | 222   | 185   | 0.0  |
| 19    | --- | --- | --- | --- | --- | 165  | 184   | 274   | 250   | 219   | 185   | 0.0  |
| 20    | --- | --- | --- | --- | --- | 170  | 175   | 276   | 248   | 226   | 175   | 0.0  |
| 21    | --- | --- | --- | --- | --- | 175  | 166   | 278   | 246   | 226   | 175   | 0.0  |
| 22    | --- | --- | --- | --- | --- | 180  | 157   | 279   | 243   | 227   | 175   | 0.0  |
| 23    | --- | --- | --- | --- | --- | 185  | 178   | 281   | 241   | 227   | 175   | 0.0  |
| 24    | --- | --- | --- | --- | --- | 190  | 199   | 275   | 241   | 228   | 175   | 0.0  |
| 25    | --- | --- | --- | --- | --- | 191  | 219   | 269   | 240   | 228   | 175   | 0.0  |
| 26    | --- | --- | --- | --- | --- | 192  | 240   | 269   | 240   | 226   | 172   | 0.0  |
| 27    | --- | --- | --- | --- | --- | 194  | 261   | 266   | 239   | 223   | 168   | 0.0  |
| 28    | --- | --- | --- | --- | --- | 195  | 261   | 264   | 238   | 223   | 165   | 0.0  |
| 29    | --- | --- | --- | --- | --- | 196  | 261   | 261   | 238   | 222   | 161   | 0.0  |
| 30    | --- | --- | --- | --- | --- | 197  | 259   | 258   | 237   | 220   | 158   | 0.0  |
| 31    | --- | --- | --- | --- | --- | ---  | 256   | ---   | 237   | 219   | ---   | 0.0  |
| TOTAL |     |     |     |     |     | 3925 | 6594  | 8001  | 7802  | 7194  | 5559  | 2181 |
| MEAN  |     |     |     |     |     | 131  | 213   | 267   | 252   | 232   | 185   | 70   |
| MAX   |     |     |     |     |     | 197  | 261   | 281   | 267   | 249   | 218   | 160  |
| MIN   |     |     |     |     |     | 0.0  | 157   | 246   | 237   | 219   | 158   | 0.0  |
| AC-FT |     |     |     |     |     | 7785 | 13080 | 15870 | 15475 | 14269 | 11025 | 4326 |

IRRIGATION YEAR 1991

TOTAL

41255

MEAN

113

AC-FT

81829

20-NOV-91

13210993 CAMPBELL CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR  | MAY  | JUN  | JUL   | AUG  | SEP | OCT |
|----------------------|-----|-----|-----|-----|-----|------|------|------|-------|------|-----|-----|
| 1                    | --- | --- | --- | --- | --- | 0.0  | 24   | 16   | 23    | 23   | 17  | 12  |
| 2                    | --- | --- | --- | --- | --- | 0.0  | 23   | 15   | 22    | 22   | 17  | 12  |
| 3                    | --- | --- | --- | --- | --- | 0.0  | 22   | 15   | 22    | 22   | 17  | 12  |
| 4                    | --- | --- | --- | --- | --- | 0.0  | 21   | 15   | 22    | 21   | 17  | 12  |
| 5                    | --- | --- | --- | --- | --- | 0.0  | 20   | 15   | 21    | 20   | 17  | 12  |
| 6                    | --- | --- | --- | --- | --- | 0.0  | 19   | 16   | 21    | 19   | 17  | 12  |
| 7                    | --- | --- | --- | --- | --- | 3.3  | 18   | 17   | 20    | 19   | 17  | 12  |
| 8                    | --- | --- | --- | --- | --- | 6.7  | 19   | 18   | 20    | 19   | 16  | 12  |
| 9                    | --- | --- | --- | --- | --- | 10   | 19   | 19   | 19    | 20   | 16  | 12  |
| 10                   | --- | --- | --- | --- | --- | 11   | 20   | 20   | 19    | 20   | 16  | 12  |
| 11                   | --- | --- | --- | --- | --- | 12   | 20   | 21   | 20    | 20   | 16  | 12  |
| 12                   | --- | --- | --- | --- | --- | 13   | 21   | 21   | 20    | 21   | 16  | 12  |
| 13                   | --- | --- | --- | --- | --- | 15   | 21   | 21   | 20    | 21   | 16  | 12  |
| 14                   | --- | --- | --- | --- | --- | 16   | 22   | 22   | 21    | 21   | 15  | 12  |
| 15                   | --- | --- | --- | --- | --- | 17   | 22   | 22   | 21    | 21   | 15  | 12  |
| 16                   | --- | --- | --- | --- | --- | 18   | 21   | 22   | 22    | 21   | 15  | 12  |
| 17                   | --- | --- | --- | --- | --- | 18   | 21   | 23   | 22    | 21   | 14  | 0.0 |
| 18                   | --- | --- | --- | --- | --- | 19   | 21   | 23   | 22    | 21   | 14  | 0.0 |
| 19                   | --- | --- | --- | --- | --- | 19   | 21   | 23   | 21    | 21   | 14  | 0.0 |
| 20                   | --- | --- | --- | --- | --- | 20   | 20   | 24   | 20    | 21   | 14  | 0.0 |
| 21                   | --- | --- | --- | --- | --- | 20   | 20   | 24   | 20    | 21   | 14  | 0.0 |
| 22                   | --- | --- | --- | --- | --- | 21   | 19   | 25   | 19    | 21   | 14  | 0.0 |
| 23                   | --- | --- | --- | --- | --- | 21   | 19   | 26   | 19    | 21   | 14  | 0.0 |
| 24                   | --- | --- | --- | --- | --- | 22   | 18   | 26   | 18    | 20   | 14  | 0.0 |
| 25                   | --- | --- | --- | --- | --- | 22   | 18   | 27   | 19    | 19   | 14  | 0.0 |
| 26                   | --- | --- | --- | --- | --- | 23   | 17   | 27   | 20    | 19   | 14  | 0.0 |
| 27                   | --- | --- | --- | --- | --- | 23   | 17   | 26   | 21    | 18   | 14  | 0.0 |
| 28                   | --- | --- | --- | --- | --- | 24   | 16   | 25   | 21    | 17   | 13  | 0.0 |
| 29                   | --- | --- | --- | --- | --- | 24   | 16   | 25   | 22    | 17   | 13  | 0.0 |
| 30                   | --- | --- | --- | --- | --- | 25   | 16   | 24   | 23    | 17   | 13  | 0.0 |
| 31                   | --- | --- | --- | --- | --- | 16   | 16   | 24   | 24    | 17   | 13  | 0.0 |
| TOTAL                |     |     |     |     |     | 423  | 606  | 643  | 643   | 617  | 449 | 180 |
| MEAN                 |     |     |     |     |     | 14   | 20   | 21   | 21    | 20   | 15  | 5.8 |
| MAX                  |     |     |     |     |     | 25   | 24   | 27   | 24    | 23   | 17  | 12  |
| MIN                  |     |     |     |     |     | 0.0  | 16   | 15   | 18    | 17   | 12  | 0.0 |
| AC-FT                |     |     |     |     |     | 839  | 1203 | 1275 | 1275  | 1223 | 891 | 357 |
| IRRIGATION YEAR 1991 |     |     |     |     |     |      |      |      |       |      |     |     |
| TOTAL                |     |     |     |     |     | 3561 | MEAN | 10   | AC-FT | 7062 |     |     |

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13210994 SIEBENBERG CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN   | FEB  | MAR  | APR | MAY   | JUN  | JUL | AUG | SEP | OCT |
|----------------------|-----|-----|-------|------|------|-----|-------|------|-----|-----|-----|-----|
| 1                    | --- | --- | ---   | ---  | ---  | 0.0 | 6.0   | 11   | 10  | 10  | 7.5 | 5.7 |
| 2                    | --- | --- | ---   | ---  | ---  | 0.0 | 6.6   | 11   | 10  | 9.7 | 7.7 | 5.0 |
| 3                    | --- | --- | ---   | ---  | ---  | 0.0 | 7.1   | 10   | 10  | 9.3 | 7.8 | 5.0 |
| 4                    | --- | --- | ---   | ---  | ---  | 0.0 | 7.7   | 10   | 10  | 9.0 | 8.0 | 5.2 |
| 5                    | --- | --- | ---   | ---  | ---  | 0.0 | 8.3   | 10   | 10  | 8.7 | 8.0 | 5.3 |
| 6                    | --- | --- | ---   | ---  | ---  | 0.8 | 8.9   | 10   | 10  | 8.3 | 8.0 | 5.5 |
| 7                    | --- | --- | ---   | ---  | ---  | 1.6 | 9.4   | 10   | 11  | 8.0 | 8.0 | 5.7 |
| 8                    | --- | --- | ---   | ---  | ---  | 2.4 | 10    | 11   | 11  | 8.0 | 8.0 | 5.8 |
| 9                    | --- | --- | ---   | ---  | ---  | 3.2 | 10    | 11   | 11  | 8.0 | 8.0 | 6.0 |
| 10                   | --- | --- | ---   | ---  | ---  | 4.0 | 10    | 11   | 11  | 8.0 | 8.0 | 6.0 |
| 11                   | --- | --- | ---   | ---  | ---  | 5.0 | 10    | 12   | 11  | 8.0 | 8.0 | 6.0 |
| 12                   | --- | --- | ---   | ---  | ---  | 6.0 | 10    | 12   | 11  | 8.0 | 8.0 | 6.0 |
| 13                   | --- | --- | ---   | ---  | ---  | 7.0 | 10    | 12   | 11  | 8.0 | 8.3 | 6.0 |
| 14                   | --- | --- | ---   | ---  | ---  | 8.0 | 10    | 12   | 11  | 8.0 | 8.7 | 6.0 |
| 15                   | --- | --- | ---   | ---  | ---  | 9.0 | 10    | 12   | 11  | 8.0 | 9.0 | 0.0 |
| 16                   | --- | --- | ---   | ---  | ---  | 10  | 10    | 12   | 11  | 7.8 | 9.3 | 0.0 |
| 17                   | --- | --- | ---   | ---  | ---  | 11  | 11    | 12   | 11  | 7.7 | 9.7 | 0.0 |
| 18                   | --- | --- | ---   | ---  | ---  | 11  | 11    | 12   | 11  | 7.5 | 10  | 0.0 |
| 19                   | --- | --- | ---   | ---  | ---  | 11  | 11    | 12   | 11  | 7.3 | 10  | 0.0 |
| 20                   | --- | --- | ---   | ---  | ---  | 11  | 11    | 12   | 11  | 7.2 | 10  | 0.0 |
| 21                   | --- | --- | ---   | ---  | ---  | 10  | 12    | 12   | 11  | 7.0 | 10  | 0.0 |
| 22                   | --- | --- | ---   | ---  | ---  | 10  | 12    | 11   | 10  | 7.0 | 10  | 0.0 |
| 23                   | --- | --- | ---   | ---  | ---  | 10  | 12    | 11   | 10  | 7.0 | 10  | 0.0 |
| 24                   | --- | --- | ---   | ---  | ---  | 10  | 12    | 11   | 10  | 7.0 | 10  | 0.0 |
| 25                   | --- | --- | ---   | ---  | ---  | 9.4 | 12    | 10   | 10  | 7.0 | 10  | 0.0 |
| 26                   | --- | --- | ---   | ---  | ---  | 8.9 | 11    | 10   | 10  | 7.0 | 10  | 0.0 |
| 27                   | --- | --- | ---   | ---  | ---  | 8.3 | 11    | 10   | 10  | 7.0 | 9.3 | 0.0 |
| 28                   | --- | --- | ---   | ---  | ---  | 7.7 | 11    | 10   | 10  | 7.0 | 8.6 | 0.0 |
| 29                   | --- | --- | ---   | ---  | ---  | 7.1 | 11    | 10   | 10  | 7.0 | 7.9 | 0.0 |
| 30                   | --- | --- | ---   | ---  | ---  | 6.6 | 11    | 10   | 10  | 7.0 | 7.1 | 0.0 |
| 31                   | --- | --- | ---   | ---  | ---  | --- | 11    | 10   | 10  | 7.2 | 6.4 | 0.0 |
| TOTAL                |     |     |       |      |      | 189 | 314   | 330  | 324 | 242 | 259 | 79  |
| MEAN                 |     |     |       |      |      | 6.3 | 10    | 11   | 10  | 7.8 | 8.6 | 2.6 |
| MAX                  |     |     |       |      |      | 11  | 12    | 12   | 11  | 10  | 10  | 6.0 |
| MIN                  |     |     |       |      |      | 0.0 | 6.0   | 10   | 10  | 7.0 | 6.4 | 0.0 |
| AC-FT                |     |     |       |      |      | 375 | 622   | 654  | 643 | 480 | 514 | 157 |
| IRRIGATION YEAR 1991 |     |     | TOTAL | 1737 | MEAN | 5   | AC-FT | 3445 |     |     |     |     |

13211001 SHIPLEY PUMPS  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR  | MAY | JUN   | JUL | AUG | SEP | OCT |
|----------------------|-----|-----|-----|-----|-----|------|-----|-------|-----|-----|-----|-----|
| 1                    | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.2 |
| 2                    | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.2 |
| 3                    | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.2 |
| 4                    | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.2 |
| 5                    | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.2 |
| 6                    | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.2 |
| 7                    | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.2 |
| 8                    | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.2 |
| 9                    | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.2 |
| 10                   | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.2 |
| 11                   | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.2 |
| 12                   | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.2 |
| 13                   | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.2 |
| 14                   | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.2 |
| 15                   | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.2 |
| 16                   | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.2 |
| 17                   | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 18                   | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 19                   | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 20                   | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 21                   | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 22                   | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 23                   | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 24                   | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 25                   | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 26                   | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 27                   | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 28                   | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 29                   | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 30                   | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| 31                   | --- | --- | --- | --- | --- | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.0 |
| TOTAL                |     |     |     |     |     | ---  | 0.2 | ---   | 0.2 | 0.2 | 0.2 | 0.0 |
| MEAN                 |     |     |     |     |     | 6    | 6   |       | 6   | 6   | --- | 0.0 |
| MAX                  |     |     |     |     |     | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 3   |
| MIN                  |     |     |     |     |     | 0.2  | 0.2 | 0.2   | 0.2 | 0.2 | 0.2 | 0.1 |
| AC-FT                |     |     |     |     |     | 12   | 12  | 12    | 12  | 12  | 12  | 0.0 |
| IRRIGATION YEAR 1991 |     |     |     |     |     |      |     |       |     |     |     | 6   |
| TOTAL                |     |     |     | 40  |     | MEAN | 0   | AC-FT | 78  |     |     |     |

13211003 WAGNER PUMPS  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

[illegible]

20-NOV-91

13211603 SIMPLOT PUMPS  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR  | MAY | JUN   | JUL | AUG | SEP | OCT |
|----------------------|-----|-----|-----|-----|-----|------|-----|-------|-----|-----|-----|-----|
| 1                    | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.6 |
| 2                    | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.6 |
| 3                    | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.6 |
| 4                    | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.6 |
| 5                    | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.6 |
| 6                    | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.6 |
| 7                    | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.6 |
| 8                    | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.6 |
| 9                    | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.6 |
| 10                   | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.6 |
| 11                   | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.6 |
| 12                   | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.6 |
| 13                   | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.6 |
| 14                   | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.6 |
| 15                   | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.6 |
| 16                   | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.6 |
| 17                   | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.0 |
| 18                   | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.0 |
| 19                   | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.0 |
| 20                   | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.0 |
| 21                   | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.0 |
| 22                   | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.0 |
| 23                   | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.0 |
| 24                   | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.0 |
| 25                   | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.0 |
| 26                   | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.0 |
| 27                   | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.0 |
| 28                   | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.0 |
| 29                   | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.0 |
| 30                   | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.0 |
| 31                   | --- | --- | --- | --- | --- | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.0 |
| TOTAL                |     |     |     |     |     | 18   | 19  | 18    | 19  | 19  | 18  | 9   |
| MEAN                 |     |     |     |     |     | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.3 |
| MAX                  |     |     |     |     |     | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.6 |
| MIN                  |     |     |     |     |     | 0.6  | 0.6 | 0.6   | 0.6 | 0.6 | 0.6 | 0.0 |
| AC-FT                |     |     |     |     |     | 36   | 37  | 36    | 37  | 37  | 36  | 18  |
| IRRIGATION YEAR 1991 |     |     |     |     |     |      |     |       |     |     |     |     |
| TOTAL                |     |     |     | 119 |     | MEAN | 0   | AC-FT | 235 |     |     |     |

A-70

20-NOV-91

13211725 EUREKA #2  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR   | MAY   | JUN  | JUL  | AUG  | SEP  | OCT  |
|----------------------|-----|-----|-----|-----|-----|-------|-------|------|------|------|------|------|
| 1                    | --- | --- | --- | --- | --- | 0.0   | 100   | 110  | 98   | 120  | 110  | 90   |
| 2                    | --- | --- | --- | --- | --- | 0.0   | 99    | 110  | 94   | 119  | 110  | 90   |
| 3                    | --- | --- | --- | --- | --- | 0.0   | 99    | 110  | 90   | 119  | 110  | 90   |
| 4                    | --- | --- | --- | --- | --- | 0.0   | 98    | 110  | 90   | 118  | 110  | 90   |
| 5                    | --- | --- | --- | --- | --- | 0.0   | 97    | 110  | 93   | 117  | 110  | 90   |
| 6                    | --- | --- | --- | --- | --- | 0.0   | 96    | 110  | 97   | 117  | 108  | 90   |
| 7                    | --- | --- | --- | --- | --- | 0.0   | 96    | 111  | 100  | 116  | 107  | 90   |
| 8                    | --- | --- | --- | --- | --- | 0.0   | 95    | 113  | 103  | 116  | 105  | 90   |
| 9                    | --- | --- | --- | --- | --- | 0.0   | 98    | 114  | 107  | 115  | 103  | 90   |
| 10                   | --- | --- | --- | --- | --- | 0.0   | 101   | 115  | 110  | 114  | 102  | 90   |
| 11                   | --- | --- | --- | --- | --- | 10    | 104   | 117  | 110  | 113  | 100  | 91   |
| 12                   | --- | --- | --- | --- | --- | 21    | 106   | 118  | 110  | 112  | 100  | 92   |
| 13                   | --- | --- | --- | --- | --- | 31    | 109   | 118  | 110  | 111  | 100  | 93   |
| 14                   | --- | --- | --- | --- | --- | 42    | 112   | 118  | 110  | 110  | 100  | 93   |
| 15                   | --- | --- | --- | --- | --- | 52    | 115   | 117  | 110  | 110  | 100  | 94   |
| 16                   | --- | --- | --- | --- | --- | 63    | 110   | 117  | 110  | 112  | 100  | 95   |
| 17                   | --- | --- | --- | --- | --- | 73    | 105   | 116  | 110  | 113  | 100  | 96   |
| 18                   | --- | --- | --- | --- | --- | 76    | 100   | 116  | 110  | 115  | 100  | 97   |
| 19                   | --- | --- | --- | --- | --- | 78    | 95    | 115  | 113  | 117  | 100  | 98   |
| 20                   | --- | --- | --- | --- | --- | 81    | 90    | 115  | 115  | 118  | 98   | 98   |
| 21                   | --- | --- | --- | --- | --- | 83    | 85    | 115  | 118  | 120  | 97   | 99   |
| 22                   | --- | --- | --- | --- | --- | 86    | 80    | 115  | 120  | 120  | 95   | 100  |
| 23                   | --- | --- | --- | --- | --- | 88    | 84    | 115  | 123  | 118  | 93   | 100  |
| 24                   | --- | --- | --- | --- | --- | 91    | 89    | 115  | 125  | 117  | 92   | 100  |
| 25                   | --- | --- | --- | --- | --- | 92    | 93    | 115  | 125  | 115  | 90   | 100  |
| 26                   | --- | --- | --- | --- | --- | 94    | 97    | 115  | 124  | 113  | 90   | 100  |
| 27                   | --- | --- | --- | --- | --- | 95    | 101   | 115  | 123  | 112  | 90   | 100  |
| 28                   | --- | --- | --- | --- | --- | 96    | 106   | 111  | 123  | 110  | 90   | 100  |
| 29                   | --- | --- | --- | --- | --- | 97    | 110   | 107  | 122  | 110  | 90   | 100  |
| 30                   | --- | --- | --- | --- | --- | 99    | 110   | 103  | 121  | 110  | 90   | 100  |
| 31                   | --- | --- | --- | --- | --- | ---   | 110   | ---  | 120  | 110  | 90   | 100  |
| TOTAL                |     |     |     |     |     | 1448  | 3090  | 3404 | 3433 | 3557 | 2990 | 2945 |
| MEAN                 |     |     |     |     |     | 48    | 100   | 113  | 111  | 115  | 100  | 95   |
| MAX                  |     |     |     |     |     | 99    | 115   | 118  | 125  | 120  | 110  | 100  |
| MIN                  |     |     |     |     |     | 0.0   | 80    | 103  | 90   | 110  | 90   | 90   |
| AC-FT                |     |     |     |     |     | 2872  | 6129  | 6751 | 6808 | 7055 | 5931 | 5841 |
| IRRIGATION YEAR 1991 |     |     |     |     |     |       |       |      |      |      |      |      |
| TOTAL                |     |     |     |     |     | 20866 |       |      |      |      |      |      |
| MEAN                 |     |     |     |     |     | 57    |       |      |      |      |      |      |
| AC-FT                |     |     |     |     |     |       | 41387 |      |      |      |      |      |

A-71

20-NOV-91

13211735 UPPER CENTER POINT CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR  | MAY  | JUN  | JUL   | AUG  | SEP  | OCT  |
|----------------------|-----|-----|-----|-----|-----|------|------|------|-------|------|------|------|
| 1                    | --- | --- | --- | --- | --- | 0.0  | 19   | 24   | 21    | 24   | 19   | 16   |
| 2                    | --- | --- | --- | --- | --- | 0.0  | 18   | 25   | 21    | 24   | 19   | 16   |
| 3                    | --- | --- | --- | --- | --- | 0.0  | 18   | 25   | 21    | 23   | 18   | 16   |
| 4                    | --- | --- | --- | --- | --- | 0.0  | 17   | 26   | 21    | 23   | 18   | 16   |
| 5                    | --- | --- | --- | --- | --- | 0.0  | 16   | 26   | 22    | 23   | 18   | 16   |
| 6                    | --- | --- | --- | --- | --- | 0.0  | 15   | 26   | 22    | 22   | 18   | 16   |
| 7                    | --- | --- | --- | --- | --- | 0.0  | 15   | 26   | 23    | 22   | 18   | 16   |
| 8                    | --- | --- | --- | --- | --- | 0.0  | 14   | 25   | 24    | 22   | 18   | 16   |
| 9                    | --- | --- | --- | --- | --- | 0.0  | 14   | 25   | 24    | 22   | 18   | 16   |
| 10                   | --- | --- | --- | --- | --- | 0.0  | 14   | 24   | 25    | 22   | 18   | 16   |
| 11                   | --- | --- | --- | --- | --- | 1.6  | 14   | 24   | 25    | 22   | 18   | 16   |
| 12                   | --- | --- | --- | --- | --- | 3.1  | 14   | 23   | 25    | 22   | 18   | 16   |
| 13                   | --- | --- | --- | --- | --- | 4.7  | 14   | 23   | 25    | 22   | 18   | 16   |
| 14                   | --- | --- | --- | --- | --- | 6.3  | 14   | 23   | 25    | 22   | 17   | 15   |
| 15                   | --- | --- | --- | --- | --- | 7.9  | 14   | 23   | 25    | 22   | 17   | 15   |
| 16                   | --- | --- | --- | --- | --- | 9.4  | 14   | 23   | 25    | 22   | 16   | 15   |
| 17                   | --- | --- | --- | --- | --- | 11   | 14   | 23   | 25    | 21   | 16   | 15   |
| 18                   | --- | --- | --- | --- | --- | 12   | 14   | 23   | 25    | 21   | 15   | 16   |
| 19                   | --- | --- | --- | --- | --- | 12   | 15   | 23   | 24    | 21   | 15   | 17   |
| 20                   | --- | --- | --- | --- | --- | 13   | 15   | 23   | 24    | 20   | 15   | 17   |
| 21                   | --- | --- | --- | --- | --- | 14   | 15   | 23   | 23    | 20   | 15   | 18   |
| 22                   | --- | --- | --- | --- | --- | 15   | 15   | 22   | 22    | 20   | 16   | 18   |
| 23                   | --- | --- | --- | --- | --- | 15   | 16   | 22   | 22    | 20   | 16   | 18   |
| 24                   | --- | --- | --- | --- | --- | 16   | 17   | 22   | 21    | 20   | 16   | 18   |
| 25                   | --- | --- | --- | --- | --- | 16   | 18   | 21   | 21    | 20   | 16   | 18   |
| 26                   | --- | --- | --- | --- | --- | 17   | 20   | 21   | 22    | 20   | 16   | 18   |
| 27                   | --- | --- | --- | --- | --- | 17   | 21   | 21   | 22    | 20   | 16   | 18   |
| 28                   | --- | --- | --- | --- | --- | 18   | 22   | 21   | 23    | 20   | 16   | 18   |
| 29                   | --- | --- | --- | --- | --- | 18   | 23   | 21   | 23    | 20   | 16   | 18   |
| 30                   | --- | --- | --- | --- | --- | 19   | 23   | 21   | 24    | 20   | 16   | 18   |
| 31                   | --- | --- | --- | --- | --- | ---  | 24   | ---  | 24    | 19   | ---  | 18   |
| TOTAL                |     |     |     |     |     | 246  | 516  | 696  | 718   | 661  | 504  | 515  |
| MEAN                 |     |     |     |     |     | 8.2  | 17   | 23   | 23    | 21   | 17   | 17   |
| MAX                  |     |     |     |     |     | 19   | 24   | 26   | 25    | 24   | 19   | 18   |
| MIN                  |     |     |     |     |     | 0.0  | 14   | 21   | 21    | 19   | 15   | 15   |
| AC-FT                |     |     |     |     |     | 488  | 1022 | 1380 | 1423  | 1311 | 1000 | 1021 |
| IRRIGATION YEAR 1991 |     |     |     |     |     |      |      |      |       |      |      |      |
| TOTAL                |     |     |     |     |     | 3854 | MEAN | 11   | AC-FT | 7644 |      |      |

A-72

13211745 MCMANUS AND TEATER CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT |
|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1                    | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.0 | 3.0 | 1.5 | 2.5 |
| 2                    | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 0.5 | 2.5 | 1.0 | 3.0 |
| 3                    | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 0.0 | 2.0 | 0.5 | 3.0 |
| 4                    | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 0.0 | 1.5 | 0.0 | 3.0 |
| 5                    | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 0.5 | 1.0 | 0.0 | 3.0 |
| 6                    | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.0 | 0.5 | 0.5 | 3.0 |
| 7                    | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.5 | 0.0 | 1.0 | 3.0 |
| 8                    | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 2.0 | 0.0 | 1.5 | 3.0 |
| 9                    | --- | --- | --- | --- | --- | 0.0 | 2.6 | 3.0 | 2.5 | 0.5 | 2.0 | 3.0 |
| 10                   | --- | --- | --- | --- | --- | 0.0 | 2.1 | 3.0 | 3.0 | 1.0 | 2.5 | 3.0 |
| 11                   | --- | --- | --- | --- | --- | 0.0 | 1.7 | 3.0 | 3.0 | 1.5 | 3.0 | 2.5 |
| 12                   | --- | --- | --- | --- | --- | 0.0 | 1.3 | 3.0 | 3.0 | 2.0 | 3.0 | 2.0 |
| 13                   | --- | --- | --- | --- | --- | 0.0 | 0.9 | 3.0 | 3.0 | 2.5 | 3.0 | 1.5 |
| 14                   | --- | --- | --- | --- | --- | 0.0 | 0.4 | 3.0 | 3.0 | 3.0 | 3.0 | 1.0 |
| 15                   | --- | --- | --- | --- | --- | 0.0 | 0.0 | 3.0 | 3.0 | 3.0 | 3.0 | 0.5 |
| 16                   | --- | --- | --- | --- | --- | 0.0 | 0.0 | 3.0 | 3.0 | 3.0 | 3.0 | 0.0 |
| 17                   | --- | --- | --- | --- | --- | 0.0 | 0.0 | 3.0 | 3.0 | 3.0 | 3.0 | 0.0 |
| 18                   | --- | --- | --- | --- | --- | 0.4 | 0.0 | 3.0 | 3.0 | 3.0 | 3.0 | 0.0 |
| 19                   | --- | --- | --- | --- | --- | 0.9 | 0.0 | 3.0 | 3.0 | 3.0 | 3.0 | 0.0 |
| 20                   | --- | --- | --- | --- | --- | 1.3 | 0.0 | 3.0 | 3.0 | 3.0 | 2.5 | 0.0 |
| 21                   | --- | --- | --- | --- | --- | 1.7 | 0.0 | 3.0 | 3.0 | 3.0 | 2.0 | 0.0 |
| 22                   | --- | --- | --- | --- | --- | 2.1 | 0.0 | 3.0 | 3.0 | 3.0 | 1.5 | 0.0 |
| 23                   | --- | --- | --- | --- | --- | 2.6 | 0.4 | 3.0 | 3.0 | 3.0 | 1.0 | 0.0 |
| 24                   | --- | --- | --- | --- | --- | 3.0 | 0.9 | 3.0 | 3.0 | 3.0 | 0.5 | 0.0 |
| 25                   | --- | --- | --- | --- | --- | 3.0 | 1.3 | 3.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 26                   | --- | --- | --- | --- | --- | 3.0 | 1.7 | 3.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 27                   | --- | --- | --- | --- | --- | 3.0 | 2.1 | 3.0 | 3.0 | 3.0 | 0.0 | 0.0 |
| 28                   | --- | --- | --- | --- | --- | 3.0 | 2.6 | 2.5 | 3.0 | 3.0 | 0.5 | 0.0 |
| 29                   | --- | --- | --- | --- | --- | 3.0 | 3.0 | 2.0 | 3.0 | 3.0 | 1.0 | 0.0 |
| 30                   | --- | --- | --- | --- | --- | 3.0 | 3.0 | 1.5 | 3.0 | 3.0 | 1.5 | 0.0 |
| 31                   | --- | --- | --- | --- | --- | --- | 3.0 | --- | 3.0 | 2.5 | 2.0 | 0.0 |
| TOTAL                |     |     |     |     |     | 30  | 51  | 87  | 75  | 71  | --- | 0.0 |
| MEAN                 |     |     |     |     |     | 1.0 | 1.6 | 2.9 | 2.4 | 2.3 | 50  | 37  |
| MAX                  |     |     |     |     |     | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 1.7 | 1.2 |
| MIN                  |     |     |     |     |     | 0.0 | 0.0 | 1.5 | 0.0 | 0.0 | 3.0 | 3.0 |
| AC-FT                |     |     |     |     |     | 60  | 101 | 173 | 149 | 140 | 99  | 73  |
| IRRIGATION YEAR 1991 |     |     |     |     |     |     |     |     |     |     |     |     |
| TOTAL                |     |     |     |     |     | 401 |     |     |     |     |     |     |
| MEAN                 |     |     |     |     |     |     |     |     |     |     |     |     |
| 1                    |     |     |     |     |     |     |     |     |     |     |     |     |
| AC-FT                |     |     |     |     |     |     |     |     |     |     |     |     |
| 794                  |     |     |     |     |     |     |     |     |     |     |     |     |

20-NOV-91

13211747 ATWELL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR  | APR | MAY   | JUN | JUL | AUG | SEP | OCT |
|----------------------|-----|-----|-----|-----|------|-----|-------|-----|-----|-----|-----|-----|
| 1                    | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2                    | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3                    | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4                    | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5                    | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6                    | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7                    | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8                    | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9                    | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 26                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 28                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 5.0 | 5.0 |
| 29                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 1.7 | 5.0 | 5.0 | 5.0 | 5.0 |
| 30                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 3.3 | 5.0 | 5.0 | 5.0 | 5.0 |
| 31                   | --- | --- | --- | --- | ---  | 0.0 | 0.0   | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| TOTAL                |     |     |     |     |      | --- | 0.0   | --- | 5.0 | 5.0 | 5.0 | 5.0 |
| MEAN                 |     |     |     |     |      | 0   | 0     | 10  | 25  | 5.0 | --- | 5.0 |
| MAX                  |     |     |     |     |      | 0.0 | 0.0   | 0.3 | 0.8 | 25  | 25  | 30  |
| MIN                  |     |     |     |     |      | 0.0 | 0.0   | 5.0 | 5.0 | 5.0 | 0.8 | 5.0 |
| AC-FT                |     |     |     |     |      | 0   | 0     | 20  | 50  | 50  | 50  | 60  |
| IRRIGATION YEAR 1991 |     |     |     |     |      |     |       |     |     |     |     |     |
| TOTAL                |     |     |     | 115 | MEAN | 0   | AC-FT | 228 |     |     |     |     |

A-74

25-FEB-92

13211825 LOWER CENTER POINT CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR  | MAY  | JUN  | JUL   | AUG   | SEP  | OCT  |
|----------------------|-----|-----|-----|-----|-----|------|------|------|-------|-------|------|------|
| 1                    | --- | --- | --- | --- | --- | 0.0  | 33   | 30   | 35    | 32    | 24   | 21   |
| 2                    | --- | --- | --- | --- | --- | 0.0  | 32   | 29   | 35    | 31    | 24   | 20   |
| 3                    | --- | --- | --- | --- | --- | 0.0  | 31   | 28   | 35    | 30    | 24   | 20   |
| 4                    | --- | --- | --- | --- | --- | 0.0  | 30   | 27   | 35    | 30    | 24   | 20   |
| 5                    | --- | --- | --- | --- | --- | 0.0  | 30   | 26   | 35    | 29    | 24   | 19   |
| 6                    | --- | --- | --- | --- | --- | 0.0  | 29   | 26   | 36    | 28    | 24   | 19   |
| 7                    | --- | --- | --- | --- | --- | 0.0  | 28   | 28   | 36    | 27    | 25   | 18   |
| 8                    | --- | --- | --- | --- | --- | 0.0  | 27   | 30   | 36    | 27    | 25   | 18   |
| 9                    | --- | --- | --- | --- | --- | 0.0  | 27   | 32   | 37    | 27    | 25   | 17   |
| 10                   | --- | --- | --- | --- | --- | 0.0  | 27   | 33   | 37    | 26    | 26   | 17   |
| 11                   | --- | --- | --- | --- | --- | 2.3  | 27   | 35   | 37    | 26    | 26   | 17   |
| 12                   | --- | --- | --- | --- | --- | 4.6  | 27   | 37   | 37    | 26    | 26   | 17   |
| 13                   | --- | --- | --- | --- | --- | 6.9  | 27   | 37   | 37    | 25    | 26   | 17   |
| 14                   | --- | --- | --- | --- | --- | 9.1  | 27   | 38   | 37    | 25    | 25   | 17   |
| 15                   | --- | --- | --- | --- | --- | 11   | 27   | 38   | 37    | 25    | 25   | 17   |
| 16                   | --- | --- | --- | --- | --- | 14   | 28   | 39   | 37    | 25    | 24   | 17   |
| 17                   | --- | --- | --- | --- | --- | 16   | 29   | 39   | 37    | 25    | 24   | 17   |
| 18                   | --- | --- | --- | --- | --- | 17   | 30   | 40   | 37    | 26    | 23   | 17   |
| 19                   | --- | --- | --- | --- | --- | 18   | 32   | 40   | 35    | 26    | 23   | 17   |
| 20                   | --- | --- | --- | --- | --- | 19   | 33   | 40   | 34    | 26    | 23   | 17   |
| 21                   | --- | --- | --- | --- | --- | 19   | 34   | 39   | 32    | 26    | 23   | 17   |
| 22                   | --- | --- | --- | --- | --- | 20   | 35   | 38   | 31    | 26    | 23   | 17   |
| 23                   | --- | --- | --- | --- | --- | 21   | 35   | 38   | 29    | 26    | 23   | 17   |
| 24                   | --- | --- | --- | --- | --- | 22   | 34   | 37   | 29    | 25    | 23   | 17   |
| 25                   | --- | --- | --- | --- | --- | 24   | 34   | 36   | 29    | 25    | 23   | 17   |
| 26                   | --- | --- | --- | --- | --- | 25   | 33   | 35   | 30    | 25    | 23   | 17   |
| 27                   | --- | --- | --- | --- | --- | 27   | 33   | 35   | 30    | 25    | 23   | 17   |
| 28                   | --- | --- | --- | --- | --- | 28   | 32   | 35   | 31    | 24    | 22   | 17   |
| 29                   | --- | --- | --- | --- | --- | 30   | 32   | 35   | 31    | 24    | 22   | 17   |
| 30                   | --- | --- | --- | --- | --- | 31   | 32   | 35   | 32    | 24    | 22   | 17   |
| 31                   | --- | --- | --- | --- | --- | ---  | 31   | ---  | 32    | 24    | 21   | 17   |
| TOTAL                |     |     |     |     |     | 365  | 946  | 1033 | 1057  | 814   | 714  | 546  |
| MEAN                 |     |     |     |     |     | 12   | 31   | 34   | 34    | 26    | 24   | 18   |
| MAX                  |     |     |     |     |     | 31   | 35   | 40   | 37    | 32    | 26   | 21   |
| MIN                  |     |     |     |     |     | 0.0  | 27   | 26   | 29    | 24    | 21   | 17   |
| AC-FT                |     |     |     |     |     | 724  | 1876 | 2048 | 2096  | 1615  | 1415 | 1082 |
| IRRIGATION YEAR 1991 |     |     |     |     |     |      |      |      |       |       |      |      |
| TOTAL                |     |     |     |     |     | 5473 | MEAN | 15   | AC-FT | 10855 |      |      |

A-75

20-NOV-91

13212548 BOWMAN AND SWISHER CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR  | MAY  | JUN  | JUL   | AUG  | SEP  | OCT |
|----------------------|-----|-----|-----|-----|-----|------|------|------|-------|------|------|-----|
| 1                    | --- | --- | --- | --- | --- | 0.0  | 17   | 20   | 23    | 18   | 22   | 16  |
| 2                    | --- | --- | --- | --- | --- | 0.0  | 18   | 20   | 23    | 18   | 22   | 15  |
| 3                    | --- | --- | --- | --- | --- | 0.0  | 18   | 20   | 23    | 18   | 21   | 15  |
| 4                    | --- | --- | --- | --- | --- | 0.0  | 19   | 20   | 23    | 18   | 21   | 15  |
| 5                    | --- | --- | --- | --- | --- | 0.0  | 19   | 20   | 23    | 17   | 21   | 15  |
| 6                    | --- | --- | --- | --- | --- | 0.0  | 20   | 20   | 22    | 17   | 21   | 15  |
| 7                    | --- | --- | --- | --- | --- | 0.0  | 20   | 20   | 22    | 17   | 21   | 15  |
| 8                    | --- | --- | --- | --- | --- | 0.0  | 21   | 19   | 21    | 17   | 21   | 15  |
| 9                    | --- | --- | --- | --- | --- | 0.0  | 21   | 19   | 21    | 17   | 21   | 15  |
| 10                   | --- | --- | --- | --- | --- | 0.0  | 21   | 18   | 20    | 17   | 21   | 15  |
| 11                   | --- | --- | --- | --- | --- | 2.3  | 21   | 18   | 20    | 17   | 21   | 15  |
| 12                   | --- | --- | --- | --- | --- | 4.6  | 22   | 17   | 20    | 17   | 21   | 15  |
| 13                   | --- | --- | --- | --- | --- | 6.9  | 22   | 17   | 20    | 17   | 21   | 15  |
| 14                   | --- | --- | --- | --- | --- | 9.1  | 22   | 17   | 20    | 17   | 21   | 15  |
| 15                   | --- | --- | --- | --- | --- | 11   | 22   | 17   | 20    | 17   | 20   | 15  |
| 16                   | --- | --- | --- | --- | --- | 14   | 22   | 17   | 20    | 17   | 20   | 15  |
| 17                   | --- | --- | --- | --- | --- | 16   | 21   | 17   | 20    | 17   | 19   | 0.0 |
| 18                   | --- | --- | --- | --- | --- | 16   | 21   | 17   | 20    | 18   | 19   | 0.0 |
| 19                   | --- | --- | --- | --- | --- | 17   | 20   | 17   | 20    | 18   | 18   | 0.0 |
| 20                   | --- | --- | --- | --- | --- | 17   | 20   | 17   | 19    | 18   | 18   | 0.0 |
| 21                   | --- | --- | --- | --- | --- | 18   | 19   | 18   | 19    | 19   | 18   | 0.0 |
| 22                   | --- | --- | --- | --- | --- | 18   | 19   | 19   | 19    | 19   | 18   | 0.0 |
| 23                   | --- | --- | --- | --- | --- | 19   | 19   | 20   | 18    | 20   | 18   | 0.0 |
| 24                   | --- | --- | --- | --- | --- | 19   | 19   | 21   | 18    | 20   | 18   | 0.0 |
| 25                   | --- | --- | --- | --- | --- | 19   | 19   | 22   | 18    | 21   | 18   | 0.0 |
| 26                   | --- | --- | --- | --- | --- | 18   | 20   | 23   | 18    | 22   | 18   | 0.0 |
| 27                   | --- | --- | --- | --- | --- | 18   | 20   | 23   | 18    | 22   | 18   | 0.0 |
| 28                   | --- | --- | --- | --- | --- | 18   | 20   | 23   | 18    | 22   | 17   | 0.0 |
| 29                   | --- | --- | --- | --- | --- | 18   | 20   | 23   | 18    | 22   | 17   | 0.0 |
| 30                   | --- | --- | --- | --- | --- | 17   | 20   | 23   | 18    | 23   | 17   | 0.0 |
| 31                   | --- | --- | --- | --- | --- | 17   | 20   | 23   | 18    | 23   | 16   | 0.0 |
| TOTAL                |     |     |     |     |     | 296  | 622  | 581  | 619   | 583  | 581  | 226 |
| MEAN                 |     |     |     |     |     | 9.9  | 20   | 19   | 20    | 19   | 19   | 7.3 |
| MAX                  |     |     |     |     |     | 19   | 22   | 23   | 23    | 23   | 22   | 16  |
| MIN                  |     |     |     |     |     | 0.0  | 17   | 17   | 18    | 17   | 16   | 0.0 |
| AC-FT                |     |     |     |     |     | 587  | 1234 | 1151 | 1227  | 1155 | 1151 | 447 |
| IRRIGATION YEAR 1991 |     |     |     |     |     |      |      |      |       |      |      |     |
| TOTAL                |     |     |     |     |     | 3506 | MEAN | 10   | AC-FT | 6953 |      |     |

20-NOV-91

13212645 BAXTER CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR  | MAY  | JUN | JUL | AUG  | SEP  | OCT |
|----------------------|-----|-----|-----|-----|-----|------|------|-----|-----|------|------|-----|
| 1                    | --- | --- | --- | --- | --- | 0.0  | 16   | 15  | 14  | 17   | 18   | 14  |
| 2                    | --- | --- | --- | --- | --- | 0.0  | 16   | 15  | 14  | 17   | 18   | 14  |
| 3                    | --- | --- | --- | --- | --- | 0.0  | 15   | 15  | 14  | 17   | 19   | 14  |
| 4                    | --- | --- | --- | --- | --- | 0.0  | 15   | 15  | 14  | 18   | 19   | 14  |
| 5                    | --- | --- | --- | --- | --- | 0.0  | 15   | 15  | 15  | 18   | 19   | 13  |
| 6                    | --- | --- | --- | --- | --- | 0.0  | 15   | 15  | 15  | 18   | 19   | 13  |
| 7                    | --- | --- | --- | --- | --- | 0.0  | 15   | 15  | 15  | 18   | 19   | 13  |
| 8                    | --- | --- | --- | --- | --- | 0.0  | 14   | 14  | 16  | 18   | 19   | 13  |
| 9                    | --- | --- | --- | --- | --- | 0.0  | 14   | 14  | 16  | 18   | 19   | 12  |
| 10                   | --- | --- | --- | --- | --- | 0.0  | 14   | 13  | 17  | 18   | 19   | 12  |
| 11                   | --- | --- | --- | --- | --- | 0.0  | 13   | 12  | 17  | 18   | 19   | 12  |
| 12                   | --- | --- | --- | --- | --- | 1.9  | 13   | 12  | 17  | 18   | 19   | 12  |
| 13                   | --- | --- | --- | --- | --- | 3.7  | 13   | 11  | 17  | 18   | 19   | 12  |
| 14                   | --- | --- | --- | --- | --- | 5.6  | 13   | 11  | 17  | 18   | 19   | 12  |
| 15                   | --- | --- | --- | --- | --- | 7.4  | 12   | 11  | 17  | 18   | 18   | 12  |
| 16                   | --- | --- | --- | --- | --- | 9.3  | 12   | 11  | 17  | 18   | 18   | 12  |
| 17                   | --- | --- | --- | --- | --- |      | 12   | 11  | 17  | 18   | 17   | 0.0 |
| 18                   | --- | --- | --- | --- | --- | 11   | 12   | 11  | 17  | 18   | 16   | 0.0 |
| 19                   | --- | --- | --- | --- | --- | 13   | 12   | 11  | 17  | 18   | 16   | 0.0 |
| 20                   | --- | --- | --- | --- | --- | 13   | 12   | 11  | 17  | 18   | 15   | 0.0 |
| 21                   | --- | --- | --- | --- | --- | 14   | 11   | 11  | 17  | 17   | 15   | 0.0 |
| 22                   | --- | --- | --- | --- | --- | 14   | 11   | 11  | 16  | 17   | 15   | 0.0 |
| 23                   | --- | --- | --- | --- | --- | 15   | 11   | 12  | 16  | 17   | 15   | 0.0 |
| 24                   | --- | --- | --- | --- | --- | 15   | 11   | 12  | 16  | 17   | 15   | 0.0 |
| 25                   | --- | --- | --- | --- | --- | 16   | 12   | 13  | 15  | 17   | 15   | 0.0 |
| 26                   | --- | --- | --- | --- | --- | 16   | 12   | 13  | 15  | 17   | 15   | 0.0 |
| 27                   | --- | --- | --- | --- | --- | 16   | 13   | 14  | 15  | 17   | 15   | 0.0 |
| 28                   | --- | --- | --- | --- | --- | 16   | 13   | 14  | 15  | 17   | 15   | 0.0 |
| 29                   | --- | --- | --- | --- | --- | 16   | 14   | 14  | 15  | 17   | 15   | 0.0 |
| 30                   | --- | --- | --- | --- | --- | 16   | 14   | 14  | 16  | 17   | 15   | 0.0 |
| 31                   | --- | --- | --- | --- | --- | 16   | 15   | 14  | 16  | 17   | 15   | 0.0 |
| TOTAL                |     |     |     |     |     | ---  | 15   | --- | 17  | 17   | 14   | 0.0 |
| MEAN                 |     |     |     |     |     | 251  | 413  | 387 | 494 | 542  | 504  | 179 |
| MAX                  |     |     |     |     |     | 8.4  | 13   | 13  | 16  | 17   | 17   | 5.8 |
| MIN                  |     |     |     |     |     | 16   | 16   | 15  | 14  | 17   | 19   | 14  |
| AC-FT                |     |     |     |     |     | 0.0  | 11   | 11  | 14  | 17   | 14   | 0.0 |
|                      |     |     |     |     |     | 498  | 819  | 767 | 979 | 1075 | 1000 | 355 |
| IRRIGATION YEAR 1991 |     |     |     |     |     |      |      |     |     |      |      |     |
| TOTAL                |     |     |     |     |     | 2770 |      |     |     |      |      |     |
| MEAN                 |     |     |     |     |     | 8    |      |     |     |      |      |     |
| AC-FT                |     |     |     |     |     |      | 5493 |     |     |      |      |     |

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20-NOV-91

13212832 ANDREWS CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB  | MAR  | APR | MAY   | JUN  | JUL  | AUG  | SEP | OCT |
|----------------------|-----|-----|-----|------|------|-----|-------|------|------|------|-----|-----|
| 1                    | --- | --- | --- | ---  | ---  | --- | ---   | ---  | ---  | ---  | --- | --- |
| 2                    | --- | --- | --- | ---  | ---  | 0.0 | 17    | 14   | 19   | 20   | 19  | 12  |
| 3                    | --- | --- | --- | ---  | ---  | 0.0 | 17    | 14   | 19   | 20   | 18  | 11  |
| 4                    | --- | --- | --- | ---  | ---  | 0.0 | 16    | 14   | 19   | 19   | 18  | 11  |
| 5                    | --- | --- | --- | ---  | ---  | 0.0 | 16    | 14   | 19   | 19   | 17  | 11  |
| 6                    | --- | --- | --- | ---  | ---  | 0.0 | 16    | 14   | 20   | 19   | 17  | 11  |
| 7                    | --- | --- | --- | ---  | ---  | --- | ---   | ---  | ---  | ---  | --- | --- |
| 8                    | --- | --- | --- | ---  | ---  | 0.0 | 16    | 14   | 20   | 18   | 17  | 11  |
| 9                    | --- | --- | --- | ---  | ---  | 0.0 | 15    | 14   | 21   | 18   | 17  | 10  |
| 10                   | --- | --- | --- | ---  | ---  | 0.0 | 15    | 15   | 22   | 18   | 17  | 10  |
| 11                   | --- | --- | --- | ---  | ---  | 0.0 | 15    | 15   | 22   | 18   | 17  | 10  |
| 12                   | --- | --- | --- | ---  | ---  | 0.0 | 14    | 15   | 23   | 18   | 17  | 10  |
| 13                   | --- | --- | --- | ---  | ---  | 1.6 | 14    | 16   | 23   | 18   | 17  | 10  |
| 14                   | --- | --- | --- | ---  | ---  | 3.1 | 13    | 16   | 23   | 18   | 17  | 10  |
| 15                   | --- | --- | --- | ---  | ---  | 4.7 | 13    | 16   | 23   | 18   | 17  | 10  |
| 16                   | --- | --- | --- | ---  | ---  | 6.3 | 12    | 16   | 24   | 18   | 17  | 10  |
| 17                   | --- | --- | --- | ---  | ---  | 7.9 | 12    | 16   | 24   | 18   | 16  | 10  |
| 18                   | --- | --- | --- | ---  | ---  | --- | ---   | 16   | 24   | 18   | 16  | 10  |
| 19                   | --- | --- | --- | ---  | ---  | 9.4 | 12    | 16   | 25   | 18   | 16  | 10  |
| 20                   | --- | --- | --- | ---  | ---  | 11  | 12    | 16   | 25   | 19   | 15  | 0.0 |
| 21                   | --- | --- | --- | ---  | ---  | 12  | 12    | 16   | 25   | 19   | 15  | 0.0 |
| 22                   | --- | --- | --- | ---  | ---  | 12  | 12    | 16   | 24   | 19   | 14  | 0.0 |
| 23                   | --- | --- | --- | ---  | ---  | 13  | 12    | 16   | 23   | 19   | 14  | 0.0 |
| 24                   | --- | --- | --- | ---  | ---  | 13  | 12    | 17   | 23   | 20   | 14  | 0.0 |
| 25                   | --- | --- | --- | ---  | ---  | 14  | 12    | 17   | 23   | 20   | 14  | 0.0 |
| 26                   | --- | --- | --- | ---  | ---  | 14  | 12    | 18   | 22   | 20   | 14  | 0.0 |
| 27                   | --- | --- | --- | ---  | ---  | 15  | 13    | 18   | 21   | 20   | 14  | 0.0 |
| 28                   | --- | --- | --- | ---  | ---  | 15  | 13    | 19   | 20   | 20   | 14  | 0.0 |
| 29                   | --- | --- | --- | ---  | ---  | 16  | 13    | 19   | 20   | 20   | 14  | 0.0 |
| 30                   | --- | --- | --- | ---  | ---  | 16  | 14    | 19   | 20   | 20   | 14  | 0.0 |
| 31                   | --- | --- | --- | ---  | ---  | 16  | 14    | 19   | 20   | 20   | 14  | 0.0 |
| TOTAL                | --- | --- | --- | ---  | ---  | 17  | 14    | 19   | 20   | 20   | 13  | 0.0 |
| MEAN                 | --- | --- | --- | ---  | ---  | --- | 14    | ---  | 20   | 20   | 12  | 0.0 |
| MAX                  | --- | --- | --- | ---  | ---  | 233 | 425   | 486  | 670  | 591  | 462 | 156 |
| MIN                  | --- | --- | --- | ---  | ---  | 7.8 | 14    | 16   | 22   | 19   | 15  | 5.0 |
| AC-FT                | --- | --- | --- | ---  | ---  | 17  | 17    | 19   | 25   | 20   | 19  | 12  |
|                      | --- | --- | --- | ---  | ---  | 0.0 | 12    | 14   | 19   | 18   | 12  | 0.0 |
|                      | --- | --- | --- | ---  | ---  | 462 | 843   | 963  | 1328 | 1171 | 915 | 309 |
| IRRIGATION YEAR 1991 |     |     |     |      |      |     |       |      |      |      |     |     |
| TOTAL                |     |     |     | 3021 | MEAN | 8   | AC-FT | 5992 |      |      |     |     |

A-78

13212896 MAMMON PUMPS  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

[illegible]

20-NOV-91

13212938 HAAS CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB  | MAR | APR  | MAY | JUN   | JUL  | AUG | SEP | OCT |
|----------------------|-----|-----|-----|------|-----|------|-----|-------|------|-----|-----|-----|
| 1                    | --- | --- | --- | ---  | --- | 0.0  | 7.0 | 5.0   | 12   | 6.0 | 8.0 | 6.0 |
| 2                    | --- | --- | --- | ---  | --- | 0.0  | 7.6 | 5.0   | 12   | 6.3 | 8.0 | 6.0 |
| 3                    | --- | --- | --- | ---  | --- | 0.0  | 8.1 | 5.0   | 12   | 6.7 | 8.0 | 6.0 |
| 4                    | --- | --- | --- | ---  | --- | 0.0  | 8.7 | 5.0   | 12   | 7.0 | 8.0 | 6.3 |
| 5                    | --- | --- | --- | ---  | --- | 0.0  | 9.3 | 5.0   | 12   | 7.3 | 8.0 | 6.6 |
| 6                    | --- | --- | --- | ---  | --- | 0.0  | 9.9 | 5.0   | 12   | 7.7 | 7.8 | 6.9 |
| 7                    | --- | --- | --- | ---  | --- | 0.0  | 10  | 5.5   | 12   | 8.0 | 7.7 | 7.1 |
| 8                    | --- | --- | --- | ---  | --- | 0.0  | 11  | 6.0   | 12   | 8.0 | 7.5 | 7.4 |
| 9                    | --- | --- | --- | ---  | --- | 0.0  | 10  | 6.5   | 12   | 8.0 | 7.3 | 7.7 |
| 10                   | --- | --- | --- | ---  | --- | 0.0  | 9.9 | 7.0   | 12   | 8.0 | 7.2 | 8.0 |
| 11                   | --- | --- | --- | ---  | --- | 0.9  | 9.3 | 7.5   | 12   | 8.0 | 7.0 | 7.8 |
| 12                   | --- | --- | --- | ---  | --- | 1.7  | 8.7 | 8.0   | 11   | 8.0 | 7.0 | 7.7 |
| 13                   | --- | --- | --- | ---  | --- | 2.6  | 8.1 | 8.0   | 10   | 8.0 | 6.8 | 7.5 |
| 14                   | --- | --- | --- | ---  | --- | 3.4  | 7.6 | 8.0   | 9.0  | 8.0 | 6.7 | 7.3 |
| 15                   | --- | --- | --- | ---  | --- | 4.3  | 7.0 | 8.0   | 8.0  | 8.0 | 6.5 | 7.2 |
| 16                   | --- | --- | --- | ---  | --- | 5.1  | 6.4 | 8.0   | 7.0  | 8.3 | 6.3 | 7.0 |
| 17                   | --- | --- | --- | ---  | --- | 6.0  | 5.9 | 8.0   | 6.0  | 8.7 | 6.2 | 6.8 |
| 18                   | --- | --- | --- | ---  | --- | 6.4  | 5.3 | 8.0   | 6.0  | 9.0 | 6.0 | 6.7 |
| 19                   | --- | --- | --- | ---  | --- | 6.9  | 4.7 | 8.0   | 6.5  | 9.3 | 6.0 | 6.5 |
| 20                   | --- | --- | --- | ---  | --- | 7.3  | 4.1 | 8.0   | 7.0  | 9.7 | 6.0 | 6.3 |
| 21                   | --- | --- | --- | ---  | --- | 7.7  | 3.6 | 8.7   | 7.5  | 10  | 6.0 | 6.2 |
| 22                   | --- | --- | --- | ---  | --- | 8.1  | 3.0 | 9.3   | 8.0  | 10  | 6.0 | 6.0 |
| 23                   | --- | --- | --- | ---  | --- | 8.6  | 3.3 | 10    | 8.5  | 9.7 | 6.0 | 6.0 |
| 24                   | --- | --- | --- | ---  | --- | 9.0  | 3.6 | 11    | 9.0  | 9.3 | 6.0 | 6.0 |
| 25                   | --- | --- | --- | ---  | --- | 8.7  | 3.9 | 11    | 9.0  | 9.0 | 6.0 | 6.0 |
| 26                   | --- | --- | --- | ---  | --- | 8.4  | 4.1 | 12    | 8.5  | 8.7 | 6.0 | 6.0 |
| 27                   | --- | --- | --- | ---  | --- | 8.1  | 4.4 | 12    | 8.0  | 8.3 | 6.0 | 6.0 |
| 28                   | --- | --- | --- | ---  | --- | 7.9  | 4.7 | 12    | 7.5  | 8.0 | 6.0 | 6.0 |
| 29                   | --- | --- | --- | ---  | --- | 7.6  | 5.0 | 12    | 7.0  | 8.0 | 6.0 | 6.0 |
| 30                   | --- | --- | --- | ---  | --- | 7.3  | 5.0 | 12    | 6.5  | 8.0 | 6.0 | 6.0 |
| 31                   | --- | --- | --- | ---  | --- | ---  | 5.0 | ---   | 6.0  | 8.0 | 6.0 | 6.0 |
| TOTAL                |     |     |     |      |     | 126  | 205 | 245   | 288  | 255 | 202 | 205 |
| MEAN                 |     |     |     |      |     | 4.2  | 6.6 | 8.1   | 9.3  | 8.2 | 6.7 | 6.6 |
| MAX                  |     |     |     |      |     | 9.0  | 11  | 12    | 12   | 10  | 8.0 | 8.0 |
| MIN                  |     |     |     |      |     | 0.0  | 3.0 | 5.0   | 6.0  | 6.0 | 6.0 | 6.0 |
| AC-FT                |     |     |     |      |     | 250  | 407 | 485   | 571  | 506 | 401 | 407 |
| IRRIGATION YEAR 1991 |     |     |     |      |     |      |     |       |      |     |     |     |
| TOTAL                |     |     |     | 1526 |     | MEAN | 4   | AC-FT | 3025 |     |     |     |

A-80

25-NOV-91

13212954 PARMA CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR  | MAY   | JUN  | JUL  | AUG  | SEP  | OCT  |
|----------------------|-----|-----|-----|-----|-----|------|-------|------|------|------|------|------|
| 1                    | --- | --- | --- | --- | --- | 0.0  | 36    | 31   | 26   | 20   | 19   | 19   |
| 2                    | --- | --- | --- | --- | --- | 0.0  | 35    | 30   | 26   | 20   | 19   | 19   |
| 3                    | --- | --- | --- | --- | --- | 0.0  | 34    | 28   | 25   | 19   | 18   | 19   |
| 4                    | --- | --- | --- | --- | --- | 0.0  | 33    | 27   | 25   | 19   | 18   | 19   |
| 5                    | --- | --- | --- | --- | --- | 0.0  | 32    | 26   | 25   | 19   | 18   | 19   |
| 6                    | --- | --- | --- | --- | --- | 0.0  | 31    | 26   | 25   | 19   | 18   | 18   |
| 7                    | --- | --- | --- | --- | --- | 0.0  | 30    | 27   | 25   | 18   | 18   | 18   |
| 8                    | --- | --- | --- | --- | --- | 0.0  | 29    | 28   | 25   | 18   | 18   | 18   |
| 9                    | --- | --- | --- | --- | --- | 0.0  | 29    | 29   | 25   | 18   | 18   | 17   |
| 10                   | --- | --- | --- | --- | --- | 0.0  | 29    | 29   | 25   | 19   | 18   | 17   |
| 11                   | --- | --- | --- | --- | --- | 0.0  | 29    | 29   | 25   | 19   | 18   | 17   |
| 12                   | --- | --- | --- | --- | --- | 3.7  | 29    | 30   | 25   | 19   | 18   | 17   |
| 13                   | --- | --- | --- | --- | --- | 7.4  | 29    | 31   | 24   | 20   | 18   | 17   |
| 14                   | --- | --- | --- | --- | --- | 11   | 29    | 31   | 24   | 21   | 18   | 17   |
| 15                   | --- | --- | --- | --- | --- | 15   | 29    | 31   | 24   | 21   | 18   | 17   |
| 16                   | --- | --- | --- | --- | --- | 19   | 29    | 30   | 23   | 22   | 17   | 18   |
| 17                   | --- | --- | --- | --- | --- | 22   | 29    | 30   | 22   | 22   | 17   | 18   |
| 18                   | --- | --- | --- | --- | --- | 26   | 30    | 29   | 22   | 22   | 17   | 18   |
| 19                   | --- | --- | --- | --- | --- | 27   | 30    | 28   | 21   | 21   | 16   | 18   |
| 20                   | --- | --- | --- | --- | --- | 27   | 31    | 28   | 21   | 21   | 16   | 18   |
| 21                   | --- | --- | --- | --- | --- | 28   | 31    | 27   | 21   | 21   | 16   | 18   |
| 22                   | --- | --- | --- | --- | --- | 29   | 32    | 27   | 22   | 20   | 17   | 18   |
| 23                   | --- | --- | --- | --- | --- | 30   | 32    | 27   | 22   | 20   | 17   | 17   |
| 24                   | --- | --- | --- | --- | --- | 30   | 32    | 27   | 22   | 20   | 17   | 17   |
| 25                   | --- | --- | --- | --- | --- | 31   | 32    | 28   | 22   | 20   | 17   | 17   |
| 26                   | --- | --- | --- | --- | --- | 32   | 32    | 28   | 23   | 20   | 18   | 17   |
| 27                   | --- | --- | --- | --- | --- | 32   | 32    | 28   | 23   | 20   | 18   | 17   |
| 28                   | --- | --- | --- | --- | --- | 32   | 33    | 28   | 23   | 20   | 19   | 17   |
| 29                   | --- | --- | --- | --- | --- | 33   | 33    | 28   | 22   | 20   | 19   | 17   |
| 30                   | --- | --- | --- | --- | --- | 34   | 33    | 28   | 22   | 20   | 19   | 17   |
| 31                   | --- | --- | --- | --- | --- | 35   | 33    | 27   | 21   | 20   | 19   | 17   |
| TOTAL                | --- | --- | --- | --- | --- | ---  | 32    | 27   | 21   | 20   | 19   | 17   |
| MEAN                 | --- | --- | --- | --- | --- | ---  | 32    | ---  | 20   | 20   | 19   | 17   |
| MAX                  | --- | --- | --- | --- | --- | 507  | 971   | 846  | 716  | 619  | 537  | 545  |
| MIN                  | --- | --- | --- | --- | --- | 17   | 31    | 28   | 23   | 20   | 18   | 18   |
| AC-FT                | --- | --- | --- | --- | --- | 35   | 36    | 31   | 26   | 22   | 19   | 19   |
| IRRIGATION YEAR 1991 | --- | --- | --- | --- | --- | 0.0  | 29    | 26   | 20   | 18   | 16   | 17   |
| TOTAL                | --- | --- | --- | --- | --- | 1006 | 1926  | 1677 | 1419 | 1228 | 1064 | 1080 |
| MEAN                 | --- | --- | --- | --- | --- | 13   | AC-FT | 9399 | ---  | ---  | ---  | ---  |

20-NOV-91

13212954 PARMA CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB  | MAR  | APR  | MAY   | JUN  | JUL  | AUG  | SEP  | OCT  |
|----------------------|-----|-----|-----|------|------|------|-------|------|------|------|------|------|
| 1                    | --- | --- | --- | ---  | ---  | 0.0  | 36    | 31   | 26   | 20   | 19   | 19   |
| 2                    | --- | --- | --- | ---  | ---  | 0.0  | 35    | 30   | 26   | 20   | 19   | 19   |
| 3                    | --- | --- | --- | ---  | ---  | 0.0  | 34    | 28   | 25   | 19   | 18   | 19   |
| 4                    | --- | --- | --- | ---  | ---  | 0.0  | 33    | 27   | 25   | 19   | 18   | 19   |
| 5                    | --- | --- | --- | ---  | ---  | 0.0  | 32    | 26   | 25   | 19   | 18   | 19   |
| 6                    | --- | --- | --- | ---  | ---  | 0.0  | 31    | 26   | 25   | 19   | 18   | 18   |
| 7                    | --- | --- | --- | ---  | ---  | 0.0  | 30    | 27   | 25   | 18   | 18   | 18   |
| 8                    | --- | --- | --- | ---  | ---  | 0.0  | 29    | 28   | 25   | 18   | 18   | 18   |
| 9                    | --- | --- | --- | ---  | ---  | 0.0  | 29    | 29   | 25   | 18   | 18   | 17   |
| 10                   | --- | --- | --- | ---  | ---  | 0.0  | 29    | 29   | 25   | 19   | 18   | 17   |
| 11                   | --- | --- | --- | ---  | ---  | 0.0  | 29    | 29   | 25   | 19   | 18   | 17   |
| 12                   | --- | --- | --- | ---  | ---  | 3.7  | 29    | 30   | 25   | 20   | 18   | 17   |
| 13                   | --- | --- | --- | ---  | ---  | 7.4  | 29    | 31   | 24   | 21   | 18   | 17   |
| 14                   | --- | --- | --- | ---  | ---  | 11   | 29    | 31   | 24   | 21   | 18   | 17   |
| 15                   | --- | --- | --- | ---  | ---  | 15   | 29    | 30   | 23   | 22   | 17   | 18   |
| 16                   | --- | --- | --- | ---  | ---  | 19   | 29    | 30   | 22   | 22   | 17   | 18   |
| 17                   | --- | --- | --- | ---  | ---  | 22   | 29    | 29   | 22   | 22   | 17   | 18   |
| 18                   | --- | --- | --- | ---  | ---  | 26   | 30    | 28   | 21   | 22   | 17   | 18   |
| 19                   | --- | --- | --- | ---  | ---  | 27   | 30    | 28   | 21   | 21   | 16   | 18   |
| 20                   | --- | --- | --- | ---  | ---  | 27   | 31    | 27   | 21   | 21   | 16   | 18   |
| 21                   | --- | --- | --- | ---  | ---  | 28   | 31    | 27   | 21   | 21   | 16   | 18   |
| 22                   | --- | --- | --- | ---  | ---  | 29   | 32    | 27   | 22   | 20   | 17   | 18   |
| 23                   | --- | --- | --- | ---  | ---  | 30   | 32    | 27   | 22   | 20   | 17   | 17   |
| 24                   | --- | --- | --- | ---  | ---  | 30   | 32    | 27   | 22   | 20   | 17   | 17   |
| 25                   | --- | --- | --- | ---  | ---  | 31   | 32    | 28   | 23   | 20   | 18   | 17   |
| 26                   | --- | --- | --- | ---  | ---  | 32   | 32    | 28   | 23   | 20   | 18   | 17   |
| 27                   | --- | --- | --- | ---  | ---  | 32   | 32    | 28   | 23   | 20   | 19   | 17   |
| 28                   | --- | --- | --- | ---  | ---  | 32   | 33    | 28   | 22   | 20   | 19   | 17   |
| 29                   | --- | --- | --- | ---  | ---  | 33   | 33    | 28   | 22   | 20   | 19   | 17   |
| 30                   | --- | --- | --- | ---  | ---  | 34   | 33    | 28   | 22   | 20   | 19   | 17   |
| 31                   | --- | --- | --- | ---  | ---  | 35   | 33    | 27   | 21   | 20   | 19   | 17   |
| TOTAL                | --- | --- | --- | ---  | ---  | ---  | 33    | 27   | 21   | 20   | 19   | 17   |
| MEAN                 | --- | --- | --- | ---  | ---  | ---  | 32    | 27   | 20   | 20   | 19   | 17   |
| MAX                  | --- | --- | --- | ---  | ---  | 507  | 971   | 846  | 716  | 619  | 537  | 545  |
| MIN                  | --- | --- | --- | ---  | ---  | 17   | 31    | 28   | 23   | 20   | 18   | 18   |
| AC-FT                | --- | --- | --- | ---  | ---  | 35   | 36    | 31   | 26   | 22   | 19   | 19   |
|                      |     |     |     |      |      | 0.0  | 29    | 26   | 20   | 18   | 16   | 17   |
|                      |     |     |     |      |      | 1006 | 1926  | 1677 | 1419 | 1228 | 1064 | 1080 |
| IRRIGATION YEAR 1991 |     |     |     |      |      |      |       |      |      |      |      |      |
| TOTAL                |     |     |     | 4739 | MEAN | 13   | AC-FT | 9399 |      |      |      |      |

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20-NOV-91

13212966 ISLAND HIGHLINE CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN   | FEB  | MAR  | APR  | MAY   | JUN   | JUL  | AUG  | SEP  | OCT  |
|----------------------|-----|-----|-------|------|------|------|-------|-------|------|------|------|------|
| 1                    | --- | --- | ---   | ---  | ---  | 0.0  | 28    | 35    | 35   | 37   | 28   | 26   |
| 2                    | --- | --- | ---   | ---  | ---  | 0.0  | 29    | 35    | 34   | 36   | 28   | 25   |
| 3                    | --- | --- | ---   | ---  | ---  | 0.0  | 29    | 35    | 32   | 35   | 28   | 25   |
| 4                    | --- | --- | ---   | ---  | ---  | 0.0  | 30    | 36    | 32   | 34   | 28   | 26   |
| 5                    | --- | --- | ---   | ---  | ---  | 0.0  | 31    | 36    | 33   | 33   | 28   | 26   |
| 6                    | --- | --- | ---   | ---  | ---  | 0.0  | 32    | 36    | 33   | 32   | 28   | 27   |
| 7                    | --- | --- | ---   | ---  | ---  | 0.0  | 32    | 36    | 34   | 31   | 28   | 28   |
| 8                    | --- | --- | ---   | ---  | ---  | 0.0  | 33    | 37    | 35   | 31   | 28   | 29   |
| 9                    | --- | --- | ---   | ---  | ---  | 0.0  | 33    | 37    | 35   | 31   | 28   | 29   |
| 10                   | --- | --- | ---   | ---  | ---  | 0.0  | 33    | 37    | 36   | 32   | 28   | 30   |
| 11                   | --- | --- | ---   | ---  | ---  | 5.1  | 33    | 38    | 36   | 32   | 28   | 30   |
| 12                   | --- | --- | ---   | ---  | ---  | 10   | 32    | 38    | 35   | 32   | 28   | 30   |
| 13                   | --- | --- | ---   | ---  | ---  | 15   | 32    | 38    | 34   | 33   | 28   | 31   |
| 14                   | --- | --- | ---   | ---  | ---  | 21   | 32    | 38    | 34   | 33   | 28   | 31   |
| 15                   | --- | --- | ---   | ---  | ---  | 26   | 32    | 37    | 33   | 33   | 29   | 31   |
| 16                   | --- | --- | ---   | ---  | ---  | 31   | 31    | 37    | 32   | 33   | 29   | 31   |
| 17                   | --- | --- | ---   | ---  | ---  | 36   | 30    | 36    | 31   | 33   | 29   | 32   |
| 18                   | --- | --- | ---   | ---  | ---  | 35   | 29    | 36    | 31   | 33   | 30   | 32   |
| 19                   | --- | --- | ---   | ---  | ---  | 35   | 29    | 35    | 31   | 32   | 30   | 32   |
| 20                   | --- | --- | ---   | ---  | ---  | 34   | 28    | 35    | 31   | 32   | 30   | 32   |
| 21                   | --- | --- | ---   | ---  | ---  | 34   | 27    | 36    | 32   | 32   | 30   | 33   |
| 22                   | --- | --- | ---   | ---  | ---  | 33   | 26    | 37    | 32   | 32   | 30   | 33   |
| 23                   | --- | --- | ---   | ---  | ---  | 33   | 27    | 38    | 32   | 31   | 30   | 33   |
| 24                   | --- | --- | ---   | ---  | ---  | 32   | 28    | 39    | 32   | 31   | 30   | 33   |
| 25                   | --- | --- | ---   | ---  | ---  | 31   | 29    | 40    | 32   | 30   | 30   | 33   |
| 26                   | --- | --- | ---   | ---  | ---  | 31   | 31    | 41    | 33   | 29   | 30   | 33   |
| 27                   | --- | --- | ---   | ---  | ---  | 30   | 32    | 41    | 34   | 29   | 29   | 33   |
| 28                   | --- | --- | ---   | ---  | ---  | 30   | 33    | 40    | 35   | 28   | 28   | 33   |
| 29                   | --- | --- | ---   | ---  | ---  | 29   | 34    | 38    | 35   | 28   | 27   | 33   |
| 30                   | --- | --- | ---   | ---  | ---  | 29   | 34    | 37    | 36   | 28   | 28   | 33   |
| 31                   | --- | --- | ---   | ---  | ---  | ---  | 34    | ---   | 37   | 28   | 27   | 33   |
| TOTAL                |     |     |       |      |      | 560  | 953   | 1112  | 1035 | 984  | 863  | 948  |
| MEAN                 |     |     |       |      |      | 19   | 31    | 37    | 33   | 32   | 29   | 31   |
| MAX                  |     |     |       |      |      | 36   | 34    | 41    | 37   | 37   | 30   | 33   |
| MIN                  |     |     |       |      |      | 0.0  | 26    | 35    | 31   | 28   | 27   | 25   |
| AC-FT                |     |     |       |      |      | 1111 | 1891  | 2206  | 2053 | 1951 | 1711 | 1880 |
| IRRIGATION YEAR 1991 |     |     | TOTAL | 6454 | MEAN | 18   | AC-FT | 12802 |      |      |      |      |

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20-NOV-91

13212992 CRAWFORTH PUMPS  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT |
|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1                    | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 2                    | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 3                    | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 4                    | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.7 |
| 5                    | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.7 |
| 6                    | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.7 |
| 7                    | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.7 |
| 8                    | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.7 |
| 9                    | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.7 |
| 10                   | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.6 |
| 11                   | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.6 |
| 12                   | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.6 |
| 13                   | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.6 |
| 14                   | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.5 |
| 15                   | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.5 |
| 16                   | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.5 |
| 17                   | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.5 |
| 18                   | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.5 |
| 19                   | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.4 |
| 20                   | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.4 |
| 21                   | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.4 |
| 22                   | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.3 |
| 23                   | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.3 |
| 24                   | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.3 |
| 25                   | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.3 |
| 26                   | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.3 |
| 27                   | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.2 |
| 28                   | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.2 |
| 29                   | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.2 |
| 30                   | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.2 |
| 31                   | --- | --- | --- | --- | --- | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.1 |
| TOTAL                |     |     |     |     |     | 0   | 25  | 24  | 25  | 25  | 24  | 12  |
| MEAN                 |     |     |     |     |     | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.6 |
| MAX                  |     |     |     |     |     | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| MIN                  |     |     |     |     |     | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 |
| AC-FT                |     |     |     |     |     | 0   | 49  | 48  | 49  | 49  | 48  | 25  |
| IRRIGATION YEAR 1991 |     |     |     |     |     |     |     |     |     |     |     |     |
| TOTAL                |     |     |     |     |     |     |     |     |     |     |     |     |
| 135                  |     |     |     |     |     |     |     |     |     |     |     |     |
| MEAN                 |     |     |     |     |     |     |     |     |     |     |     |     |
| 0                    |     |     |     |     |     |     |     |     |     |     |     |     |
| AC-FT                |     |     |     |     |     |     |     |     |     |     |     |     |
| 267                  |     |     |     |     |     |     |     |     |     |     |     |     |

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20-NOV-91

13212994 MCDONNELL ISLAND CANAL  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY   | NOV | DEC | JAN | FEB | MAR | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  |
|-------|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| 1     | --- | --- | --- | --- | --- | 0.0  | 26   | 41   | 30   | 40   | 25   | 20   |
| 2     | --- | --- | --- | --- | --- | 0.0  | 26   | 42   | 28   | 39   | 25   | 19   |
| 3     | --- | --- | --- | --- | --- | 0.0  | 27   | 43   | 27   | 39   | 26   | 19   |
| 4     | --- | --- | --- | --- | --- | 0.0  | 27   | 43   | 27   | 38   | 26   | 19   |
| 5     | --- | --- | --- | --- | --- | 0.0  | 28   | 44   | 28   | 37   | 26   | 20   |
| 6     | --- | --- | --- | --- | --- | 0.0  | 28   | 44   | 28   | 37   | 26   | 20   |
| 7     | --- | --- | --- | --- | --- | 0.0  | 28   | 44   | 30   | 37   | 26   | 20   |
| 8     | --- | --- | --- | --- | --- | 0.0  | 29   | 43   | 31   | 36   | 26   | 21   |
| 9     | --- | --- | --- | --- | --- | 0.0  | 29   | 41   | 32   | 36   | 26   | 22   |
| 10    | --- | --- | --- | --- | --- | 0.0  | 29   | 40   | 34   | 35   | 26   | 23   |
| 11    | --- | --- | --- | --- | --- | 0.0  | 29   | 39   | 35   | 34   | 26   | 23   |
| 12    | --- | --- | --- | --- | --- | 3.9  | 29   | 37   | 35   | 34   | 26   | 24   |
| 13    | --- | --- | --- | --- | --- | 7.7  | 29   | 36   | 35   | 33   | 26   | 25   |
| 14    | --- | --- | --- | --- | --- | 12   | 29   | 36   | 34   | 32   | 26   | 25   |
| 15    | --- | --- | --- | --- | --- | 15   | 29   | 37   | 34   | 31   | 27   | 26   |
| 16    | --- | --- | --- | --- | --- | 19   | 29   | 38   | 33   | 31   | 28   | 27   |
| 17    | --- | --- | --- | --- | --- | 23   | 31   | 39   | 33   | 31   | 29   | 27   |
| 18    | --- | --- | --- | --- | --- | 27   | 33   | 39   | 32   | 30   | 29   | 28   |
| 19    | --- | --- | --- | --- | --- | 29   | 35   | 40   | 32   | 29   | 30   | 29   |
| 20    | --- | --- | --- | --- | --- | 30   | 37   | 41   | 34   | 28   | 31   | 29   |
| 21    | --- | --- | --- | --- | --- | 32   | 39   | 41   | 36   | 27   | 31   | 30   |
| 22    | --- | --- | --- | --- | --- | 33   | 41   | 40   | 38   | 26   | 30   | 30   |
| 23    | --- | --- | --- | --- | --- | 35   | 43   | 39   | 40   | 25   | 29   | 31   |
| 24    | --- | --- | --- | --- | --- | 36   | 43   | 38   | 42   | 25   | 28   | 31   |
| 25    | --- | --- | --- | --- | --- | 38   | 42   | 37   | 44   | 24   | 26   | 31   |
| 26    | --- | --- | --- | --- | --- | 36   | 42   | 36   | 44   | 24   | 25   | 30   |
| 27    | --- | --- | --- | --- | --- | 35   | 41   | 35   | 43   | 24   | 24   | 30   |
| 28    | --- | --- | --- | --- | --- | 33   | 41   | 35   | 43   | 24   | 24   | 30   |
| 29    | --- | --- | --- | --- | --- | 31   | 40   | 34   | 42   | 23   | 23   | 30   |
| 30    | --- | --- | --- | --- | --- | 29   | 40   | 32   | 41   | 23   | 22   | 29   |
| 31    | --- | --- | --- | --- | --- | 28   | 40   | 31   | 41   | 24   | 22   | 29   |
| TOTAL |     |     |     |     |     | 533  | 1052 | 1161 | 1097 | 935  | 787  | 811  |
| MEAN  |     |     |     |     |     | 18   | 34   | 39   | 35   | 30   | 26   | 26   |
| MAX   |     |     |     |     |     | 38   | 43   | 44   | 44   | 40   | 31   | 31   |
| MIN   |     |     |     |     |     | 0.0  | 26   | 31   | 27   | 23   | 21   | 19   |
| AC-FT |     |     |     |     |     | 1057 | 2086 | 2302 | 2175 | 1855 | 1560 | 1609 |

# STREAM FLOW MEASURING STATIONS

## PRELIMINARY DATA

26-NOV-91

13185000 BOISE RIVER NEAR TWIN SPRINGS  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY    | JUN    | JUL   | AUG   | SEP   | OCT   |
|----------------------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|
| 1                    | 356   | 270   | 454   | 358   | 436   | 622   | 971    | 2025   | 1497  | 377   | 261   | 261   |
| 2                    | 331   | 289   | 458   | 356   | 467   | 766   | 1089   | 2459   | 1427  | 365   | 257   | 257   |
| 3                    | 293   | 282   | 580   | 340   | 484   | 730   | 1132   | 3143   | 1415  | 361   | 254   | 255   |
| 4                    | 341   | 276   | 749   | 294   | 624   | 734   | 1061   | 3376   | 1385  | 356   | 254   | 255   |
| 5                    | 397   | 313   | 965   | 292   | 1045  | 877   | 1033   | 3182   | 1310  | 372   | 251   | 258   |
| 6                    | 336   | 262   | 1107  | 289   | 757   | 1207  | 1168   | 2693   | 1197  | 374   | 248   | 260   |
| 7                    | 282   | 223   | 970   | 284   | 589   | 1215  | 1430   | 2409   | 1095  | 364   | 247   | 258   |
| 8                    | 337   | 256   | 713   | 292   | 550   | 931   | 1792   | 2346   | 990   | 349   | 247   | 255   |
| 9                    | 351   | 304   | 630   | 304   | 484   | 846   | 2396   | 2299   | 902   | 339   | 264   | 255   |
| 10                   | 340   | 315   | 552   | 309   | 504   | 763   | 1954   | 2576   | 838   | 331   | 320   | 254   |
| 11                   | 328   | 379   | 428   | 307   | 475   | 659   | 1755   | 3089   | 785   | 331   | 425   | 253   |
| 12                   | 322   | 321   | 409   | 318   | 447   | 670   | 1597   | 3456   | 740   | 323   | 347   | 252   |
| 13                   | 325   | 281   | 431   | 323   | 458   | 620   | 1573   | 3086   | 697   | 319   | 303   | 251   |
| 14                   | 340   | 279   | 471   | 325   | 453   | 643   | 1707   | 2685   | 663   | 315   | 288   | 251   |
| 15                   | 341   | 219   | 478   | 358   | 429   | 715   | 1788   | 2314   | 636   | 315   | 280   | 252   |
| 16                   | 342   | 233   | 442   | 465   | 433   | 748   | 2004   | 2212   | 605   | 331   | 278   | 253   |
| 17                   | 343   | 317   | 412   | 549   | 426   | 755   | 2503   | 2089   | 577   | 323   | 274   | 253   |
| 18                   | 343   | 351   | 398   | 465   | 435   | 740   | 2898   | 1972   | 556   | 314   | 270   | 251   |
| 19                   | 325   | 304   | 346   | 421   | 447   | 756   | 2561   | 1979   | 531   | 309   | 268   | 254   |
| 20                   | 336   | 281   | 294   | 400   | 474   | 807   | 2272   | 2052   | 513   | 307   | 265   | 256   |
| 21                   | 333   | 218   | 238   | 390   | 464   | 893   | 2203   | 1935   | 508   | 298   | 261   | 258   |
| 22                   | 328   | 180   | 241   | 393   | 478   | 1131  | 2294   | 1807   | 484   | 291   | 261   | 259   |
| 23                   | 329   | 187   | 276   | 404   | 481   | 1245  | 2845   | 1742   | 478   | 287   | 264   | 266   |
| 24                   | 306   | 286   | 309   | 400   | 467   | 1568  | 3189   | 1651   | 502   | 285   | 263   | 267   |
| 25                   | 320   | 346   | 291   | 394   | 458   | 1653  | 3308   | 1596   | 494   | 282   | 262   | 277   |
| 26                   | 332   | 446   | 275   | 404   | 449   | 1402  | 3087   | 1509   | 495   | 279   | 259   | 333   |
| 27                   | 282   | 475   | 275   | 403   | 421   | 1212  | 2742   | 1503   | 456   | 281   | 256   | 344   |
| 28                   | 264   | 415   | 271   | 406   | 417   | 1074  | 2350   | 1422   | 433   | 302   | 257   | 296   |
| 29                   | 265   | 350   | 262   | ---   | 423   | 1020  | 2152   | 1451   | 411   | 289   | 272   | 273   |
| 30                   | 323   | 397   | 261   | ---   | 419   | 964   | 2129   | 1648   | 393   | 267   | 269   | 270   |
| 31                   | ---   | 500   | 319   | ---   | 470   | ---   | 1971   | ---    | 382   | 262   | ---   | 248   |
| TOTAL                | 9791  | 9553  | 14302 | 10242 | 15367 | 27964 | 62954  | 67705  | 23393 | 9898  | 8226  | 8183  |
| MEAN                 | 326   | 308   | 461   | 366   | 496   | 932   | 2031   | 2257   | 755   | 319   | 274   | 264   |
| MAX                  | 397   | 500   | 1107  | 549   | 1045  | 1653  | 3308   | 3456   | 1497  | 377   | 425   | 344   |
| MIN                  | 264   | 180   | 238   | 284   | 417   | 620   | 971    | 1422   | 382   | 262   | 247   | 248   |
| AC-FT                | 19421 | 18947 | 28369 | 20315 | 30480 | 55467 | 124869 | 134292 | 46399 | 19633 | 16316 | 16231 |
| IRRIGATION YEAR 1991 |       |       |       |       |       |       |        |        |       |       |       |       |
| TOTAL                |       |       |       |       |       |       |        |        |       |       |       |       |
| MEAN                 |       |       |       |       |       |       |        |        |       |       |       |       |
| AC-FT                |       |       |       |       |       |       |        |        |       |       |       |       |

IRRIGATION YEAR 1991

TOTAL

267578

MEAN

733

AC-FT

530740

## PRELIMINARY DATA

26-NOV-91

13186000 SOUTH FORK BOISE RIVER NR FEATHERVILLE  
 DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
 MEAN VALUES

| DAY                  | NOV   | DEC   | JAN   | FEB    | MAR   | APR   | MAY   | JUN    | JUL   | AUG  | SEP   | OCT  |
|----------------------|-------|-------|-------|--------|-------|-------|-------|--------|-------|------|-------|------|
| 1                    | 185   | 256   | 156   | 182    | 214   | 340   | 454   | 1202   | 750   | 200  | 158   | 155  |
| 2                    | 177   | 256   | 156   | 182    | 223   | 374   | 528   | 1486   | 716   | 180  | 158   | 160  |
| 3                    | 162   | 255   | 156   | 195    | 227   | 373   | 541   | 1885   | 697   | 176  | 176   | 158  |
| 4                    | 220   | 151   | 156   | 199    | 244   | 392   | 488   | 2051   | 665   | 176  | 150   | 157  |
| 5                    | 222   | 171   | 156   | 198    | 311   | 435   | 478   | 2004   | 629   | 179  | 145   | 160  |
| 6                    | 184   | 231   | 156   | 184    | 250   | 508   | 547   | 1725   | 584   | 174  | 147   | 161  |
| 7                    | 159   | 167   | 166   | 167    | 218   | 506   | 665   | 1585   | 541   | 169  | 145   | 161  |
| 8                    | 197   | 248   | 193   | 165    | 222   | 406   | 830   | 1562   | 504   | 164  | 145   | 160  |
| 9                    | 204   | 166   | 242   | 165    | 206   | 397   | 1068  | 1540   | 472   | 160  | 160   | 163  |
| 10                   | 190   | 170   | 242   | 164    | 228   | 359   | 859   | 1746   | 449   | 157  | 227   | 163  |
| 11                   | 184   | 241   | 235   | 164    | 217   | 317   | 781   | 2051   | 418   | 156  | 237   | 149  |
| 12                   | 196   | 243   | 229   | 170    | 207   | 326   | 728   | 2244   | 393   | 152  | 211   | 142  |
| 13                   | 199   | 157   | 237   | 179    | 217   | 307   | 700   | 2045   | 369   | 150  | 343   | 141  |
| 14                   | 190   | 155   | 242   | 185    | 210   | 320   | 745   | 1773   | 352   | 148  | 188   | 140  |
| 15                   | 191   | 144   | 242   | 193    | 198   | 341   | 801   | 1527   | 339   | 149  | 176   | 140  |
| 16                   | 192   | 213   | 254   | 214    | 199   | 360   | 913   | 1434   | 323   | 159  | 173   | 140  |
| 17                   | 194   | 244   | 256   | 222    | 206   | 361   | 1244  | 1361   | 308   | 163  | 170   | 138  |
| 18                   | 196   | 185   | 235   | 193    | 209   | 346   | 1466  | 1090   | 297   | 156  | 166   | 139  |
| 19                   | 183   | 202   | 216   | 193    | 219   | 343   | 1268  | 1130   | 285   | 155  | 164   | 139  |
| 20                   | 183   | 249   | 202   | 192    | 233   | 365   | 1113  | 1210   | 275   | 158  | 521   | 140  |
| 21                   | 181   | 257   | 195   | 197    | 234   | 416   | 1076  | 1154   | 273   | 155  | 162   | 141  |
| 22                   | 180   | 256   | 188   | 200    | 234   | 472   | 1209  | 1076   | 267   | 148  | 159   | 143  |
| 23                   | 185   | 256   | 263   | 201    | 233   | 518   | 1550  | 1028   | 276   | 144  | 158   | 152  |
| 24                   | 163   | 234   | 228   | 193    | 233   | 613   | 1822  | 966    | 279   | 140  | 159   | 150  |
| 25                   | 196   | 153   | 263   | 190    | 233   | 601   | 1928  | 909    | 274   | 136  | 158   | 158  |
| 26                   | 207   | 153   | 239   | 196    | 225   | 529   | 1812  | 847    | 273   | 135  | 156   | 192  |
| 27                   | 252   | 153   | 263   | 191    | 224   | 481   | 1615  | 826    | 255   | 136  | 156   | 203  |
| 28                   | 256   | 156   | 241   | 191    | 223   | 451   | 1399  | 818    | 239   | 153  | 158   | 174  |
| 29                   | 255   | 156   | 263   | ---    | 222   | 460   | 1276  | 815    | 227   | 160  | 165   | 160  |
| 30                   | 221   | 156   | 240   | ---    | 232   | 443   | 1235  | 821    | 215   | 161  | 158   | 149  |
| 31                   | ---   | 156   | 218   | ---    | 268   | ---   | 1141  | ---    | 209   | ---  | ---   | ---  |
| TOTAL                | 5905  | 6186  | 6723  | 5267   | 7015  | 12457 | 32278 | 41910  | 12152 | 4915 | 5541  | 4808 |
| MEAN                 | 197   | 200   | 217   | 188    | 226   | 415   | 1041  | 1397   | 392   | 159  | 185   | 155  |
| MAX                  | 256   | 257   | 263   | 222    | 311   | 613   | 1928  | 2244   | 750   | 200  | 521   | 203  |
| MIN                  | 159   | 144   | 156   | 164    | 198   | 307   | 454   | 815    | 209   | 135  | 145   | 138  |
| AC-FT                | 11712 | 12270 | 13334 | 10447  | 13915 | 24709 | 64024 | 83129  | 24104 | 9749 | 10991 | 9537 |
| IRRIGATION YEAR 1991 |       |       |       | 145158 | MEAN  | 398   | AC-FT | 287920 |       |      |       |      |

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## PRELIMINARY DATA

26-NOV-91

13190500 SOUTH FORK BOISE RIVER AT ANDERSON RANCH DAM  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV   | DEC   | JAN   | FEB    | MAR   | APR   | MAY    | JUN   | JUL   | AUG   | SEP   | OCT   |
|----------------------|-------|-------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|
| 1                    | 303   | 298   | 300   | 304    | 307   | 568   | 600    | 575   | 1579  | 1505  | 622   | 302   |
| 2                    | 303   | 299   | 300   | 298    | 308   | 604   | 604    | 587   | 1576  | 1508  | 616   | 302   |
| 3                    | 303   | 298   | 299   | 298    | 307   | 605   | 603    | 595   | 1569  | 1504  | 617   | 301   |
| 4                    | 303   | 295   | 298   | 292    | 306   | 604   | 602    | 598   | 1569  | 1502  | 611   | 302   |
| 5                    | 303   | 295   | 299   | 293    | 300   | 607   | 599    | 595   | 1565  | 1501  | 597   | 303   |
| 6                    | 303   | 295   | 299   | 297    | 297   | 609   | 599    | 600   | 1561  |       |       |       |
| 7                    | 303   | 295   | 299   | 296    | 295   | 603   | 599    | 603   | 1513  | 1496  | 596   | 303   |
| 8                    | 303   | 295   | 297   | 308    | 298   | 599   | 598    | 598   | 1566  | 1491  | 597   | 302   |
| 9                    | 302   | 295   | 296   | 314    | 299   | 595   | 602    | 598   | 1566  | 1487  | 595   | 302   |
| 10                   | 300   | 295   | 296   | 313    | 299   | 593   | 603    | 597   | 1566  | 1486  | 594   | 302   |
| 11                   | 299   | 291   | 296   | 313    | 300   | 598   | 603    |       | 1564  | 1485  | 603   | 355   |
| 12                   | 299   | 294   | 297   | 307    | 303   | 598   | 602    | 597   | 1563  |       |       |       |
| 13                   | 299   | 300   | 298   | 305    | 302   | 598   | 599    | 598   | 1560  | 1482  | 788   | 269   |
| 14                   | 299   | 301   | 298   | 306    | 298   | 598   | 600    | 601   | 1555  | 1478  | 803   | 284   |
| 15                   | 299   | 303   | 305   | 304    | 300   | 600   | 593    | 604   | 1554  | 1473  | 801   | 301   |
| 16                   | 299   | 306   | 310   | 305    | 303   | 598   | 597    | 603   | 1551  | 1469  | 799   | 302   |
| 17                   | 299   | 304   | 306   | 305    | 303   | 600   | 599    | 603   | 1546  | 1464  | 800   | 309   |
| 18                   | 305   | 301   | 303   | 306    | 303   | 599   | 602    | 603   | 1543  | 1462  |       |       |
| 19                   | 303   | 299   | 303   | 304    | 303   | 599   | 603    | 605   | 1546  | 1460  | 800   | 299   |
| 20                   | 310   | 304   | 304   | 303    | 303   | 597   | 601    | 625   | 1544  | 1455  | 795   | 296   |
| 21                   | 307   | 307   | 306   | 303    | 303   | 595   | 599    | 890   | 1543  | 1046  | 803   | 306   |
| 22                   | 322   | 305   | 305   | 302    | 300   | 598   | 591    |       | 1541  | 808   | 803   | 303   |
| 23                   | 340   | 303   | 306   | 301    | 296   | 599   | 592    | 1245  | 1541  |       | 796   | 300   |
| 24                   | 339   | 303   | 305   | 302    | 299   | 600   | 597    | 1562  | 1536  | 590   |       |       |
| 25                   | 339   | 303   | 306   | 302    | 297   | 599   | 598    | 1597  | 1535  | 607   | 794   | 297   |
| 26                   |       |       |       |        |       | 601   | 599    | 1600  | 1535  | 604   | 795   | 297   |
| 27                   | 344   | 303   | 306   | 302    | 295   | 600   | 601    | 1600  | 1535  | 597   | 600   | 297   |
| 28                   | 338   | 301   | 306   | 302    | 293   | 603   | 601    |       |       | 598   | 601   | 294   |
| 29                   | 307   | 300   | 305   | 307    | 299   | 603   | 599    | 1590  | 1532  |       | 598   | 297   |
| 30                   | 298   | 299   | 306   | ---    | 306   | 603   | 601    | 1589  | 1528  | 598   | 597   |       |
| 31                   | 297   | 300   | 302   | ---    | 306   | 603   | 601    | 1587  | 1525  | 598   | 593   | 303   |
|                      | ---   | 302   | 303   | ---    | 304   | 602   | 603    | 1589  | 1518  | 597   | 598   | 306   |
|                      |       |       |       |        |       | ---   | 589    | 1582  | 1512  | 621   | 606   | 306   |
|                      |       |       |       |        |       |       |        | ---   | 1509  | 630   | 315   | 302   |
|                      |       |       |       |        |       |       |        |       |       | 629   | ---   | 299   |
| TOTAL                | 9265  | 9291  | 9359  | 8487   | 9328  | 17975 | 18576  | 27817 | 47938 | 35226 | 20132 | 9336  |
| MEAN                 | 309   | 300   | 302   | 303    | 301   | 599   | 599    | 927   | 1546  | 1136  | 671   | 301   |
| MAX                  | 344   | 307   | 310   | 314    | 308   | 609   | 604    | 1600  | 1579  | 1508  | 803   | 355   |
| MIN                  | 297   | 291   | 296   | 292    | 293   | 568   | 589    | 575   | 1509  | 590   | 315   | 269   |
| AC-FT                | 18378 | 18429 | 18563 | 16834  | 18502 | 35653 | 36846  | 55176 | 95086 | 69871 | 39933 | 18518 |
| IRRIGATION YEAR 1991 |       |       |       |        |       |       |        |       |       |       |       |       |
| TOTAL                |       |       |       | 222731 |       |       |        |       |       |       |       |       |
| MEAN                 |       |       |       |        |       | 610   |        |       |       |       |       |       |
| AC-FT                |       |       |       |        |       |       | 441786 |       |       |       |       |       |

## PRELIMINARY DATA

25-1000-52

13194100 BOISE RIVER AT ARROWROCK DAM  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV | DEC | JAN | FEB   | MAR   | APR    | MAY    | JUN     | JUL    | AUG    | SEP   | OCT   |
|----------------------|-----|-----|-----|-------|-------|--------|--------|---------|--------|--------|-------|-------|
| 1                    | 0.0 | 0.0 | 0.0 | 0.0   | 801   | 1746   | 4732   | 3175    | 3926   | 2104   | 999   | 78    |
| 2                    | 0.0 | 0.0 | 0.0 | 0.0   | 802   | 2303   | 4544   | 3175    | 4025   | 2148   | 999   | 0.0   |
| 3                    | 0.0 | 0.0 | 0.0 | 0.0   | 803   | 2598   | 4017   | 3193    | 3774   | 2184   | 999   | 0.0   |
| 4                    | 0.0 | 0.0 | 0.0 | 0.0   | 804   | 2585   | 3094   | 2963    | 3638   | 2212   | 997   | 148   |
| 5                    | 0.0 | 0.0 | 0.0 | 0.0   | 806   | 2571   | 2810   | 3003    | 3527   | 2054   | 994   | 404   |
| 6                    | 0.0 | 0.0 | 0.0 | 0.0   | 807   | 2560   | 2093   | 3130    | 3468   | 1978   | 990   | 414   |
| 7                    | 0.0 | 0.0 | 0.0 | 0.0   | 808   | 2553   | 2191   | 3011    | 3298   | 1990   | 987   | 416   |
| 8                    | 0.0 | 0.0 | 0.0 | 0.0   | 809   | 2546   | 2387   | 2967    | 2918   | 1997   | 986   | 427   |
| 9                    | 0.0 | 0.0 | 0.0 | 0.0   | 810   | 4159   | 2657   | 3000    | 2772   | 2001   | 985   | 431   |
| 10                   | 0.0 | 0.0 | 0.0 | 0.0   | 810   | 4968   | 2842   | 3048    | 2828   | 2002   | 987   | 437   |
| 11                   | 0.0 | 0.0 | 0.0 | 0.0   | 897   | 5381   | 2863   | 3123    | 2849   | 2002   | 1001  | 420   |
| 12                   | 0.0 | 0.0 | 0.0 | 0.0   | 1571  | 5527   | 2825   | 3237    | 2849   | 2002   | 2501  | 384   |
| 13                   | 0.0 | 0.0 | 0.0 | 0.0   | 1881  | 5376   | 2765   | 3302    | 2839   | 2001   | 2974  | 402   |
| 14                   | 0.0 | 0.0 | 0.0 | 0.0   | 1874  | 5222   | 2730   | 3547    | 2811   | 1997   | 1922  | 319   |
| 15                   | 0.0 | 0.0 | 0.0 | 0.0   | 1867  | 6418   | 2730   | 3621    | 2776   | 1992   | 1273  | 198   |
| 16                   | 0.0 | 0.0 | 0.0 | 0.0   | 1860  | 6850   | 2772   | 3569    | 2744   | 1976   | 1128  | 121   |
| 17                   | 0.0 | 0.0 | 0.0 | 0.0   | 1852  | 6484   | 2902   | 3680    | 2704   | 1960   | 1121  | 91    |
| 18                   | 0.0 | 0.0 | 0.0 | 0.0   | 1845  | 6115   | 3091   | 3675    | 2678   | 1957   | 1108  | 24    |
| 19                   | 0.0 | 0.0 | 0.0 | 0.0   | 1838  | 5705   | 3210   | 3584    | 2243   | 1434   | 1117  | 76    |
| 20                   | 0.0 | 0.0 | 0.0 | 0.0   | 1831  | 5320   | 3220   | 3518    | 2176   | 1160   | 1091  | 127   |
| 21                   | 0.0 | 0.0 | 0.0 | 267   | 1824  | 4975   | 3182   | 3494    | 2268   | 1167   | 1082  | 118   |
| 22                   | 0.0 | 0.0 | 0.0 | 533   | 1817  | 4617   | 3157   | 3500    | 2329   | 1162   | 1078  | 91    |
| 23                   | 0.0 | 0.0 | 0.0 | 612   | 1810  | 4369   | 3780   | 3525    | 2371   | 1154   | 1031  | 378   |
| 24                   | 0.0 | 0.0 | 0.0 | 613   | 1802  | 5929   | 3821   | 3542    | 2402   | 1145   | 898   | 199   |
| 25                   | 0.0 | 0.0 | 0.0 | 734   | 1795  | 6826   | 3842   | 3549    | 2426   | 1136   | 882   | 33    |
| 26                   | 0.0 | 0.0 | 0.0 | 801   | 1788  | 6408   | 3851   | 3546    | 2445   | 1040   | 863   | 40    |
| 27                   | 0.0 | 0.0 | 0.0 | 801   | 1781  | 5338   | 3800   | 3539    | 2453   | 990    | 846   | 0.0   |
| 28                   | 0.0 | 0.0 | 0.0 | 801   | 1774  | 5044   | 3681   | 3521    | 2447   | 992    | 860   | 0.0   |
| 29                   | 0.0 | 0.0 | 0.0 | ---   | 1767  | 4739   | 3528   | 3497    | 2064   | 994    | 877   | 0.0   |
| 30                   | 0.0 | 0.0 | 0.0 | ---   | 1760  | 4973   | 3396   | 3493    | 1976   | 997    | 877   | 0.0   |
| 31                   | --- | 0.0 | 0.0 | ---   | 1752  | ---    | 3277   | ---     | 2050   | 999    | 348   | 0.0   |
| TOTAL                | 0   | 0   | 0   | 5162  | 45046 | 140205 | 99790  | 100727  | 86074  | 50927  | 33924 | 5833  |
| MEAN                 | 0.0 | 0.0 | 0.0 | 184   | 1453  | 4674   | 3219   | 3358    | 2777   | 1643   | 1131  | 188   |
| MAX                  | 0.0 | 0.0 | 0.0 | 801   | 1881  | 6850   | 4732   | 3680    | 4025   | 2212   | 2974  | 437   |
| MIN                  | 0.0 | 0.0 | 0.0 | 0.0   | 801   | 1746   | 2093   | 2963    | 1976   | 990    | 348   | 0.0   |
| AC-FT                | 0   | 0   | 0   | 10239 | 89349 | 278097 | 197933 | 199792  | 170728 | 101014 | 67288 | 11570 |
| IRRIGATION YEAR 1991 |     |     |     |       | MEAN  | 1555   | AC-FT  | 1126009 |        |        |       |       |

A-89

## PRELIMINARY DATA

26-NOV-91

13200000 MORES CREEK ABOVE ROBIE CREEK  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV  | DEC  | JAN  | FEB  | MAR   | APR   | MAY   | JUN   | JUL   | AUG | SEP  | OCT  |
|----------------------|------|------|------|------|-------|-------|-------|-------|-------|-----|------|------|
| 1                    | 47   | 36   | 52   | 61   | 101   | 138   | 252   | 263   | 127   | 19  | 9.2  | 21   |
| 2                    | 48   | 43   | 44   | 61   | 157   | 170   | 258   | 265   | 109   | 19  | 9.4  | 20   |
| 3                    | 45   | 43   | 42   | 73   | 170   | 194   | 255   | 274   | 97    | 18  | 9.6  | 20   |
| 4                    | 47   | 46   | 44   | 76   | 273   | 199   | 246   | 279   | 87    | 17  | 9.8  | 20   |
| 5                    | 75   | 48   | 49   | 78   | 438   | 224   | 244   | 285   | 79    | 19  | 9.2  | 21   |
| 6                    | 66   | 33   | 53   | 74   | 282   | 291   | 262   | 260   | 73    | 21  | 8.5  | 22   |
| 7                    | 52   | 35   | 56   | 70   | 201   | 308   | 291   | 237   | 68    | 20  | 8.4  | 22   |
| 8                    | 52   | 40   | 50   | 68   | 179   | 253   | 346   | 219   | 64    | 19  | 7.2  | 22   |
| 9                    | 52   | 45   | 45   | 68   | 155   | 239   | 427   | 207   | 56    | 18  | 9.4  | 22   |
| 10                   | 52   | 47   | 43   | 69   | 149   | 244   | 353   | 202   | 52    | 17  | 14   | 22   |
| 11                   | 50   | 44   | 42   | 74   | 136   | 212   | 329   | 201   | 51    | 16  | 31   | 21   |
| 12                   | 48   | 41   | 44   | 80   | 128   | 198   | 306   | 202   | 49    | 15  | 34   | 21   |
| 13                   | 48   | 45   | 47   | 84   | 130   | 187   | 283   | 194   | 46    | 14  | 29   | 21   |
| 14                   | 49   | 41   | 45   | 87   | 130   | 185   | 283   | 181   | 45    | 14  | 25   | 22   |
| 15                   | 50   | 37   | 44   | 92   | 119   | 213   | 289   | 167   | 42    | 14  | 22   | 22   |
| 16                   | 46   | 40   | 43   | 110  | 117   | 245   | 302   | 153   | 40    | 16  | 21   | 22   |
| 17                   | 49   | 43   | 46   | 113  | 114   | 263   | 356   | 143   | 37    | 17  | 20   | 22   |
| 18                   | 49   | 45   | 47   | 97   | 116   | 288   | 430   | 141   | 37    | 16  | 19   | 22   |
| 19                   | 49   | 39   | 48   | 96   | 122   | 280   | 390   | 136   | 36    | 15  | 19   | 23   |
| 20                   | 51   | 35   | 47   | 97   | 135   | 275   | 355   | 132   | 35    | 14  | 19   | 24   |
| 21                   | 53   | 31   | 43   | 102  | 133   | 279   | 340   | 126   | 32    | 13  | 18   | 25   |
| 22                   | 54   | 27   | 50   | 105  | 131   | 309   | 346   | 118   | 31    | 13  | 18   | 26   |
| 23                   | 54   | 27   | 54   | 104  | 131   | 322   | 364   | 111   | 30    | 11  | 19   | 27   |
| 24                   | 52   | 35   | 60   | 100  | 133   | 372   | 364   | 109   | 35    | 11  | 19   | 32   |
| 25                   | 53   | 40   | 58   | 95   | 135   | 405   | 359   | 111   | 39    | 11  | 19   | 32   |
| 26                   | 59   | 45   | 60   | 96   | 116   | 353   | 344   | 107   | 34    | 10  | 19   | 69   |
| 27                   | 47   | 50   | 59   | 92   | 107   | 318   | 321   | 116   | 30    | 10  | 18   | 81   |
| 28                   | 55   | 45   | 60   | 91   | 103   | 289   | 293   | 121   | 30    | 10  | 19   | 56   |
| 29                   | 50   | 42   | 57   | ---  | 103   | 274   | 274   | 126   | 27    | 10  | 21   | 47   |
| 30                   | 56   | 42   | 58   | ---  | 102   | 259   | 299   | 158   | 25    | 10  | 20   | 41   |
| 31                   | ---  | 47   | 58   | ---  | 111   | ---   | 282   | ---   | 21    | 9.8 | ---  | 39   |
| TOTAL                | 1558 | 1257 | 1548 | 2413 | 4656  | 7786  | 9841  | 5343  | 1554  | 456 | 524  | 897  |
| MEAN                 | 52   | 41   | 50   | 86   | 150   | 260   | 317   | 178   | 50    | 15  | 17   | 29   |
| MAX                  | 75   | 50   | 60   | 113  | 438   | 405   | 430   | 285   | 127   | 21  | 34   | 81   |
| MIN                  | 45   | 27   | 42   | 61   | 101   | 138   | 244   | 107   | 20    | 9.7 | 7.2  | 20   |
| AC-FT                | 3090 | 2493 | 3070 | 4786 | 9235  | 15444 | 19520 | 10598 | 3082  | 904 | 1039 | 1779 |
| IRRIGATION YEAR 1991 |      |      |      |      | 37832 |       | 104   | AC-FT | 75040 |     |      |      |

## PRELIMINARY DATA

26-NOV-91

13203600 BOISE RIVER BELOW DIVERSION DAM NR BOISE  
 DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
 MEAN VALUES

| DAY                  | NOV    | DEC  | JAN  | FEB  | MAR  | APR   | MAY   | JUN    | JUL    | AUG   | SEP   | OCT   |
|----------------------|--------|------|------|------|------|-------|-------|--------|--------|-------|-------|-------|
| 1                    | 143    | 150  | 150  | 152  | 151  | 141   | 1451  | 1679   | 1636   | 1572  | 1131  | 405   |
| 2                    | 149    | 150  | 150  | 152  | 151  | 274   | 1524  | 1667   | 1641   | 1574  | 1136  | 413   |
| 3                    | 150    | 150  | 150  | 152  | 152  | 381   | 1515  | 1666   | 1632   | 1573  | 1132  | 405   |
| 4                    | 150    | 152  | 150  | 152  | 152  | 364   | 1496  | 1690   | 1634   | 1577  | 1132  | 402   |
| 5                    | 150    | 154  | 150  | 152  | 151  | 384   | 1494  | 1685   | 1649   | 1574  | 1119  | 398   |
| 6                    | 150    | 152  | 150  | 152  | 150  | 393   | 1529  | 1681   | 1681   | 1573  | 1111  | 394   |
| 7                    | 150    | 152  | 150  | 153  | 152  | 392   | 1578  | 1685   | 1693   | 1569  | 1111  | 418   |
| 8                    | 165    | 152  | 150  | 151  | 153  | 487   | 1606  | 1684   | 1750   | 1553  | 1110  | 425   |
| 9                    | 141    | 152  | 150  | 152  | 153  | 525   | 1618  | 1689   | 1740   | 1567  | 1034  | 423   |
| 10                   | 147    | 152  | 150  | 150  | 154  | 662   | 1588  | 1716   | 1752   | 1569  | 953   | 424   |
| 11                   | 147    | 151  | 150  | 151  | 155  | 735   | 1583  | 1750   | 1765   | 1564  | 615   | 417   |
| 12                   | 147    | 150  | 151  | 151  | 161  | 748   | 1583  | 1794   | 1769   | 1418  | 413   | 410   |
| 13                   | 147    | 150  | 150  | 152  | 156  | 795   | 1584  | 1831   | 1762   | 1349  | 397   | 410   |
| 14                   | 152    | 150  | 150  | 153  | 151  | 819   | 1563  | 1843   | 1761   | 1310  | 396   | 352   |
| 15                   | 155    | 150  | 150  | 156  | 144  | 896   | 1539  | 1830   | 1728   | 1300  | 399   | 268   |
| 16                   | 157    | 150  | 150  | 157  | 147  | 1014  | 1535  | 1830   | 1684   | 1303  | 377   | 215   |
| 17                   | 160    | 150  | 150  | 157  | 150  | 1051  | 1492  | 1835   | 1681   | 1304  | 365   | 196   |
| 18                   | 163    | 150  | 149  | 157  | 153  | 1046  | 1438  | 1847   | 1683   | 1306  | 363   | 185   |
| 19                   | 160    | 150  | 150  | 151  | 157  | 1043  | 1427  | 1837   | 1675   | 1307  | 358   | 160   |
| 20                   | 160    | 150  | 150  | 143  | 158  | 1094  | 1396  | 1831   | 1673   | 1310  | 358   | 154   |
| 21                   | 155    | 150  | 150  | 151  | 159  | 1128  | 1373  | 1840   | 1673   | 1314  | 359   | 152   |
| 22                   | 153    | 150  | 156  | 153  | 162  | 1106  | 1353  | 1849   | 1673   | 1317  | 359   | 146   |
| 23                   | 152    | 150  | 153  | 152  | 166  | 1131  | 1341  | 1849   | 1679   | 1304  | 363   | 141   |
| 24                   | 152    | 150  | 149  | 150  | 166  | 1165  | 1371  | 1843   | 1660   | 1293  | 377   | 139   |
| 25                   | 152    | 150  | 152  | 156  | 163  | 1181  | 1418  | 1792   | 1638   | 1294  | 385   | 133   |
| 26                   | 155    | 150  | 152  | 157  | 160  | 1177  | 1438  | 1798   | 1613   | 1282  | 383   | 134   |
| 27                   | 155    | 150  | 152  | 153  | 156  | 1181  | 1481  | 1800   | 1586   | 1249  | 382   | 136   |
| 28                   | 152    | 150  | 153  | 150  | 157  | 1178  | 1522  | 1787   | 1573   | 1233  | 381   | 137   |
| 29                   | 150    | 150  | 152  | ---  | 160  | 1183  | 1641  | 1743   | 1565   | 1222  | 385   | 134   |
| 30                   | 150    | 150  | 152  | ---  | 152  | 1276  | 1711  | 1661   | 1562   | 1181  | 389   | 130   |
| 31                   | ---    | 150  | 152  | ---  | 144  | ---   | 1704  | ---    | 1565   | 1139  | ---   | 131   |
| TOTAL                | 4566   | 4664 | 4670 | 4268 | 4792 | 24947 | 46888 | 53029  | 51775  | 42998 | 18771 | 8384  |
| MEAN                 | 152    | 150  | 151  | 152  | 155  | 832   | 1513  | 1768   | 1670   | 1387  | 626   | 270   |
| MAX                  | 165    | 154  | 156  | 157  | 166  | 1276  | 1711  | 1849   | 1769   | 1577  | 1136  | 425   |
| MIN                  | 141    | 150  | 149  | 143  | 144  | 141   | 1341  | 1661   | 1562   | 1139  | 358   | 130   |
| AC-FT                | 9057   | 9252 | 9263 | 8465 | 9505 | 49483 | 93002 | 105183 | 102695 | 85287 | 37232 | 16630 |
| IRRIGATION YEAR 1991 |        |      |      |      |      |       |       |        |        |       |       |       |
| TOTAL                | 269752 |      |      |      |      |       |       |        |        |       |       |       |
| MEAN                 | 739    |      |      |      |      |       |       |        |        |       |       |       |
| AC-FT                | 535053 |      |      |      |      |       |       |        |        |       |       |       |

A-91

## 25-FEB-92

13206000

BOISE RIVER AT GLENWOOD BRIDGE

DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991

MEAN VALUES

| DAY                  | NOV   | DEC   | JAN   | FEB    | MAR   | APR   | MAY   | JUN    | JUL   | AUG   | SEP   | OCT   |
|----------------------|-------|-------|-------|--------|-------|-------|-------|--------|-------|-------|-------|-------|
| 1                    | 170   | 174   | 157   | 166    | 166   | 158   | 770   | 846    | 783   | 822   | 502   | 272   |
| 2                    | 179   | 176   | 155   | 166    | 166   | 248   | 827   | 825    | 769   | 822   | 500   | 290   |
| 3                    | 181   | 174   | 154   | 166    | 165   | 502   | 827   | 810    | 736   | 822   | 496   | 282   |
| 4                    | 187   | 173   | 153   | 166    | 170   | 473   | 790   | 816    | 746   | 822   | 496   | 283   |
| 5                    | 225   | 177   | 152   | 166    | 169   | 476   | 759   | 831    | 736   | 816   | 493   | 294   |
| 6                    | 183   | 176   | 154   | 165    | 163   | 492   | 753   | 811    | 754   | 809   | 487   | 290   |
| 7                    | 181   | 174   | 160   | 164    | 159   | 480   | 787   | 803    | 763   | 802   | 487   | 286   |
| 8                    | 179   | 175   | 159   | 164    | 161   | 490   | 830   | 797    | 809   | 803   | 484   | 283   |
| 9                    | 171   | 170   | 163   | 164    | 163   | 495   | 840   | 795    | 892   | 803   | 499   | 282   |
| 10                   | 178   | 166   | 168   | 163    | 162   | 503   | 805   | 809    | 931   | 790   | 470   | 287   |
| 11                   | 180   | 167   | 173   | 167    | 159   | 547   | 806   | 828    |       |       |       |       |
| 12                   | 180   | 162   | 228   | 165    | 176   | 554   | 814   | 852    | 821   | 783   | 440   | 289   |
| 13                   | 181   | 163   | 206   | 175    | 170   | 555   | 809   | 873    | 821   | 695   | 351   | 281   |
| 14                   | 180   | 167   | 194   | 166    | 166   | 542   | 792   | 888    | 814   | 627   | 353   | 276   |
| 15                   | 180   | 158   | 194   | 169    | 155   | 576   | 760   | 875    | 910   | 643   | 353   | 254   |
| 16                   | 180   | 160   | 176   | 175    | 159   | 633   | 754   |        | 942   | 637   | 353   | 216   |
| 17                   | 180   | 160   | 173   | 167    | 164   | 700   | 814   | 866    | 916   |       |       |       |
| 18                   | 181   | 165   | 170   | ---    | 170   | 665   | 755   | 869    | 903   | 630   | 353   | 216   |
| 19                   | 181   | 166   | 168   | 173    | 175   | 645   | 725   | 880    | 917   | 624   | 353   | 216   |
| 20                   | 185   | 160   | 168   | 181    | 181   | 638   | 704   | 882    | 960   | 617   | 353   | 167   |
| 21                   | 184   | 155   | 167   | 180    | 179   | 667   | 671   | 880    | 959   | 611   | 282   | 167   |
| 22                   | 173   | 157   | 169   | 185    | 182   | 642   | 640   | 890    |       | 605   | 218   | 154   |
| 23                   | 173   | 159   | 175   | 166    | 179   | 610   | 640   | 899    | 963   | 577   |       |       |
| 24                   | 172   | 160   | 167   | 171    | 184   | 643   | 607   | 900    | 941   | 578   | 216   | 153   |
| 25                   | 194   | 162   | 168   | 162    | 189   | 665   | 595   | 901    | 943   | 576   | 218   | 152   |
| 26                   | 178   | 163   | 169   | 167    | 178   | 652   | 597   | 879    | 918   | 574   | 220   | 142   |
| 27                   | 177   | 161   | 168   | 178    | 179   | 646   | 614   |        | 951   | 574   | 229   | 146   |
| 28                   | 176   | 160   | 167   | 158    | 170   | 643   | 635   | 863    |       |       | 251   | 151   |
| 29                   | 172   | 157   | 164   | ---    | 175   | 642   | 690   | 876    | 903   | 574   |       |       |
| 30                   | 171   | 164   | 165   | ---    | 176   | 675   | 776   | 872    | 870   | 574   | 254   | 176   |
| 31                   | ---   | 158   | 165   | ---    | 160   | ---   | 869   | 875    | 855   | 554   | 261   | 157   |
| TOTAL                | 5408  | 5117  | 5268  | 4555   | 5269  | 16855 | 23284 | 25608  | 26773 | 531   | 258   | 144   |
| MEAN                 | 180   | 165   | 170   | 169    | 170   | 562   | 751   | 854    | 864   | 526   | 258   | 142   |
| MAX                  | 225   | 177   | 228   | 185    | 189   | 700   | 871   | 901    | 963   | 510   | 262   | 135   |
| MIN                  | 170   | 155   | 152   | 158    | 155   | 158   | 595   | 795    | 736   | 510   | 216   | 134   |
| AC-FT                | 10727 | 10149 | 10449 | 9035   | 10450 | 33432 | 46184 | 50793  | 53104 | 41119 | 21327 | 13322 |
| IRRIGATION YEAR 1991 |       |       | TOTAL | 156336 | MEAN  | 428   | AC-FT | 310092 |       |       |       |       |

## PRELIMINARY DATA

25-FEB-92

13210050 BOISE RIVER NR MIDDLETON  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV    | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   |
|----------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1                    | 252    | 252   | 272   | 251   | 240   | 188   | 172   | 295   | 327   | 188   | 194   | 129   |
| 2                    | 253    | 256   | 263   | 255   | 248   | 172   | 215   | 268   | 309   | 203   | 181   | 141   |
| 3                    | 254    | 255   | 268   | 257   | 239   | 275   | 234   | 252   | 246   | 196   | 182   | 141   |
| 4                    | 255    | 255   | 266   | 257   | 243   | 286   | 219   | 231   | 232   | 199   | 188   | 138   |
| 5                    | 256    | 253   | 261   | 260   | 250   | 261   | 195   | 243   | 218   | 212   | 195   | 146   |
| 6                    | 257    | 252   | 269   | 256   | 240   | 273   | 181   | 247   | 199   | 212   | 187   | 160   |
| 7                    | 259    | 252   | 274   | 252   | 238   | 263   | 163   | 263   | 199   | 218   | 195   | 158   |
| 8                    | 262    | 249   | 275   | 248   | 240   | 255   | 192   | 253   | 172   | 215   | 203   | 162   |
| 9                    | 256    | 249   | 276   | 248   | 241   | 257   | 219   | 250   | 182   | 206   | 241   | 162   |
| 10                   | 259    | 250   | 273   | 248   | 239   | 250   | 220   | 242   | 182   | 206   | 241   | 162   |
| 11                   | 277    | 253   | 290   | 247   | 238   | 242   | 224   | 237   | 224   | 193   | 280   | 165   |
| 12                   | 283    | 247   | 348   | 243   | 240   | 246   | 224   | 237   | 227   | 201   | 324   | 169   |
| 13                   | 286    | 259   | 332   | 250   | 250   | 238   | 246   | 233   | 233   | 271   | 340   | 165   |
| 14                   | 279    | 265   | 316   | 246   | 242   | 210   | 263   | 250   | 247   | 266   | 284   | 164   |
| 15                   | 278    | 262   | 319   | 245   | 235   | 202   | 227   | 271   | 247   | 241   | 237   | 218   |
| 16                   | 278    | 258   | 299   | 250   | 232   | 206   | 218   | 264   | 253   | 222   | 232   | 194   |
| 17                   | 277    | 259   | 291   | 252   | 237   | 275   | 305   | 242   | 242   | 198   | 222   | 163   |
| 18                   | 277    | 261   | 274   | 252   | 244   | 259   | 354   | 243   | 218   | 208   | 184   | 164   |
| 19                   | 281    | 254   | 269   | 250   | 247   | 251   | 329   | 243   | 224   | 208   | 171   | 165   |
| 20                   | 282    | 258   | 273   | 243   | 255   | 211   | 326   | 243   | 228   | 191   | 167   | 170   |
| 21                   | 284    | 194   | 274   | 237   | 251   | 219   | 298   | 253   | 229   | 194   | 145   | 171   |
| 22                   | 282    | 125   | 271   | 240   | 252   | 209   | 282   | 254   | 233   | 222   | 142   | 169   |
| 23                   | 278    | 142   | 275   | 240   | 257   | 165   | 261   | 263   | 236   | 227   | 138   | 169   |
| 24                   | 279    | 199   | 269   | 238   | 258   | 170   | 241   | 274   | 243   | 233   | 147   | 168   |
| 25                   | 276    | 212   | 262   | 239   | 262   | 202   | 208   | 292   | 249   | 235   | 152   | 163   |
| 26                   | 284    | 326   | 263   | 242   | 258   | 215   | 185   | 295   | 253   | 234   | 160   | 176   |
| 27                   | 279    | 314   | 260   | 244   | 245   | 200   | 173   | 290   | 233   | 263   | 153   | 212   |
| 28                   | 277    | 272   | 261   | 242   | 230   | 201   | 172   | 268   | 222   | 262   | 153   | 241   |
| 29                   | 276    | 245   | 249   | ---   | 228   | 190   | 185   | 281   | 213   | 242   | 152   | 206   |
| 30                   | 263    | 198   | 253   | ---   | 227   | 139   | 272   | 296   | 222   | 242   | 164   | 198   |
| 31                   | ---    | 269   | 249   | ---   | 215   | ---   | 302   | 379   | 194   | 232   | 151   | 193   |
| TOTAL                | 8138   | 7591  | 8591  | 6929  | 7521  | 6729  | 7324  | 7913  | 7142  | 6823  | 5862  | 5327  |
| MEAN                 | 271    | 245   | 277   | 247   | 243   | 224   | 236   | 264   | 230   | 220   | 195   | 172   |
| MAX                  | 286    | 326   | 348   | 260   | 262   | 286   | 354   | 379   | 327   | 271   | 340   | 241   |
| MIN                  | 252    | 125   | 249   | 237   | 215   | 139   | 163   | 231   | 172   | 188   | 138   | 129   |
| AC-FT                | 16142  | 15056 | 17041 | 13744 | 14918 | 13346 | 14527 | 15696 | 14166 | 13534 | 11627 | 10567 |
| IRRIGATION YEAR 1991 | TOTAL  |       |       |       |       |       |       |       |       |       |       |       |
|                      | 85891  |       |       |       |       |       |       |       |       |       |       |       |
|                      | MEAN   |       |       |       |       |       |       |       |       |       |       |       |
|                      | 235    |       |       |       |       |       |       |       |       |       |       |       |
|                      | AC-FT  |       |       |       |       |       |       |       |       |       |       |       |
|                      | 170364 |       |       |       |       |       |       |       |       |       |       |       |

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## PRELIMINARY DATA

26-NOV-91

13213000 BOISE RIVER PARMA  
 DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
 MEAN VALUES

| DAY                  | NOV    | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   |
|----------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1                    | 848    | 734   | 1859  | 723   | 749   | 425   | 448   | 856   | 1141  | 373   | 500   | 510   |
| 2                    | 832    | 738   | 1066  | 726   | 751   | 365   | 443   | 799   | 983   | 337   | 514   | 491   |
| 3                    | 826    | 731   | 975   | 725   | 751   | 356   | 467   | 740   | 873   | 348   | 479   | 491   |
| 4                    | 834    | 732   | 983   | 730   | 743   | 496   | 447   | 669   | 738   | 369   | 451   | 482   |
| 5                    | 864    | 729   | 941   | 748   | 763   | 491   | 371   | 766   | 674   | 434   | 475   | 507   |
| 6                    | 847    | 720   | 945   | 749   | 734   | 491   | 367   | 830   | 581   | 412   | 490   | 504   |
| 7                    | 825    | 725   | 821   | 741   | 726   | 561   | 343   | 882   | 510   | 421   | 514   | 502   |
| 8                    | 823    | 726   | 693   | 731   | 721   | 514   | 342   | 851   | 534   | 416   | 541   | 472   |
| 9                    | 812    | 723   | 690   | 732   | 722   | 435   | 548   | 763   | 439   | 397   | 586   | 480   |
| 10                   | 793    | 722   | 741   | 734   | 715   | 457   | 609   | 729   | 424   | 439   | 766   | 478   |
| 11                   | 810    | 726   | 747   | 732   | 707   | 493   | 691   | 683   | 458   | 434   | 861   | 490   |
| 12                   | 812    | 719   | 816   | 731   | 707   | 624   | 764   | 565   | 468   | 419   | 900   | 506   |
| 13                   | 840    | 715   | 967   | 753   | 734   | 632   | 850   | 493   | 512   | 507   | 793   | 492   |
| 14                   | 832    | 716   | 953   | 761   | 722   | 624   | 971   | 558   | 512   | 451   | 698   | 487   |
| 15                   | 826    | 707   | 942   | 750   | 705   | 603   | 927   | 637   | 494   | 441   | 645   | 587   |
| 16                   | 819    | 700   | 912   | 762   | 697   | 564   | 842   | 623   | 498   | 384   | 627   | 527   |
| 17                   | 811    | 698   | 848   | 770   | 692   | 670   | 1084  | 593   | 467   | 402   | 563   | 519   |
| 18                   | 807    | 706   | 827   | 753   | 689   | 744   | 1658  | 559   | 463   | 437   | 499   | 624   |
| 19                   | 823    | 716   | 818   | 753   | 691   | 645   | 1472  | 538   | 502   | 463   | 456   | 793   |
| 20                   | 806    | 689   | 801   | 748   | 692   | 598   | 1408  | 516   | 552   | 428   | 449   | 807   |
| 21                   | 793    | 656   | 786   | 743   | 656   | 569   | 1319  | 465   | 560   | 408   | 445   | 808   |
| 22                   | 789    | 483   | 779   | 733   | 603   | 543   | 1190  | 491   | 541   | 401   | 442   | 801   |
| 23                   | 774    | 563   | 777   | 737   | 623   | 434   | 1138  | 522   | 505   | 398   | 448   | 807   |
| 24                   | 770    | 602   | 778   | 733   | 617   | 422   | 1138  | 618   | 530   | 430   | 430   | 807   |
| 25                   | 763    | 671   | 761   | 732   | 614   | 536   | 1138  | 656   | 516   | 426   | 402   | 823   |
| 26                   | 768    | 752   | 756   | 733   | 599   | 646   | 1138  | 670   | 497   | 405   | 395   | 1012  |
| 27                   | 763    | 817   | 756   | 740   | 525   | 609   | 1138  | 693   | 491   | 449   | 382   | 1069  |
| 28                   | 758    | 753   | 754   | 748   | 477   | 631   | 870   | 744   | 478   | 446   | 422   | 951   |
| 29                   | 752    | 657   | 738   | ---   | 462   | 618   | 579   | 865   | 509   | 431   | 489   | 919   |
| 30                   | 747    | 2773  | 735   | ---   | 458   | 520   | 695   | 1184  | 488   | 422   | 511   | 897   |
| 31                   | ---    | 2757  | 733   | ---   | 459   | ---   | 855   | ---   | 437   | 460   | ---   | 871   |
| TOTAL                | 24164  | 25854 | 26697 | 20747 | 20504 | 16315 | 26247 | 20555 | 17373 | 12988 | 16172 | 20512 |
| MEAN                 | 805    | 834   | 861   | 741   | 661   | 544   | 847   | 685   | 560   | 419   | 539   | 662   |
| MAX                  | 864    | 2773  | 1859  | 770   | 763   | 744   | 1658  | 1184  | 1141  | 507   | 900   | 1069  |
| MIN                  | 747    | 483   | 690   | 723   | 458   | 356   | 342   | 465   | 424   | 337   | 382   | 472   |
| AC-FT                | 47929  | 51281 | 52954 | 41152 | 40670 | 32361 | 52061 | 40770 | 34460 | 25761 | 32077 | 40686 |
| IRRIGATION YEAR 1991 | TOTAL  |       |       |       |       |       |       |       |       |       |       |       |
|                      | 248128 |       |       |       |       |       |       |       |       |       |       |       |
|                      | MEAN   |       |       |       |       |       |       |       |       |       |       |       |
|                      | 680    |       |       |       |       |       |       |       |       |       |       |       |
|                      | AC-FT  |       |       |       |       |       |       |       |       |       |       |       |
|                      | 492161 |       |       |       |       |       |       |       |       |       |       |       |

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1. The first part of the report is a summary of the work done during the year.  
 2. The second part is a detailed account of the work done during the year.  
 3. The third part is a list of the names of the persons who have been employed during the year.  
 4. The fourth part is a list of the names of the persons who have been employed during the year.  
 5. The fifth part is a list of the names of the persons who have been employed during the year.  
 6. The sixth part is a list of the names of the persons who have been employed during the year.  
 7. The seventh part is a list of the names of the persons who have been employed during the year.  
 8. The eighth part is a list of the names of the persons who have been employed during the year.  
 9. The ninth part is a list of the names of the persons who have been employed during the year.  
 10. The tenth part is a list of the names of the persons who have been employed during the year.

SUMMARY OF THE WORK DONE DURING THE YEAR  
 1. The first part of the report is a summary of the work done during the year.  
 2. The second part is a detailed account of the work done during the year.  
 3. The third part is a list of the names of the persons who have been employed during the year.  
 4. The fourth part is a list of the names of the persons who have been employed during the year.  
 5. The fifth part is a list of the names of the persons who have been employed during the year.  
 6. The sixth part is a list of the names of the persons who have been employed during the year.  
 7. The seventh part is a list of the names of the persons who have been employed during the year.  
 8. The eighth part is a list of the names of the persons who have been employed during the year.  
 9. The ninth part is a list of the names of the persons who have been employed during the year.  
 10. The tenth part is a list of the names of the persons who have been employed during the year.

RESERVOIRS

| NAME                                                                                              | AGE | SEX | DATE | TIME | PLACE | REMARKS |
|---------------------------------------------------------------------------------------------------|-----|-----|------|------|-------|---------|
| 1. The first part of the report is a summary of the work done during the year.                    | 21  | M   | 1910 | 10   | 10    | 10      |
| 2. The second part is a detailed account of the work done during the year.                        | 22  | M   | 1911 | 11   | 11    | 11      |
| 3. The third part is a list of the names of the persons who have been employed during the year.   | 23  | M   | 1912 | 12   | 12    | 12      |
| 4. The fourth part is a list of the names of the persons who have been employed during the year.  | 24  | M   | 1913 | 13   | 13    | 13      |
| 5. The fifth part is a list of the names of the persons who have been employed during the year.   | 25  | M   | 1914 | 14   | 14    | 14      |
| 6. The sixth part is a list of the names of the persons who have been employed during the year.   | 26  | M   | 1915 | 15   | 15    | 15      |
| 7. The seventh part is a list of the names of the persons who have been employed during the year. | 27  | M   | 1916 | 16   | 16    | 16      |
| 8. The eighth part is a list of the names of the persons who have been employed during the year.  | 28  | M   | 1917 | 17   | 17    | 17      |
| 9. The ninth part is a list of the names of the persons who have been employed during the year.   | 29  | M   | 1918 | 18   | 18    | 18      |
| 10. The tenth part is a list of the names of the persons who have been employed during the year.  | 30  | M   | 1919 | 19   | 19    | 19      |

## PRELIMINARY DATA

25-FEB-92

13190000 ANDERSON RANCH RESERVOIR  
 CONTENTS IN ACRE FEET, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991

| DAY  | NOV    | DEC    | JAN    | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    | OCT   |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 1    | 150883 | 145857 | 139395 | 134573 | 131741 | 134242 | 132365 | 177867 | 211515 | 141077 | 82042  | 54939 |
| 2    | 150697 | 145438 | 138842 | 134295 | 131977 | 134034 | 132653 | 180154 | 209965 | 138416 | 81237  | 54802 |
| 3    | 150393 | 145019 | 138680 | 134182 | 132047 | 133851 | 132935 | 183251 | 208386 | 135373 | 80280  | 54483 |
| 4    | 150449 | 144671 | 138500 | 134070 | 132362 | 133833 | 133094 | 186682 | 206801 | 132835 | 79399  | 54262 |
| 5    | 150344 | 144499 | 138416 | 133945 | 132677 | 133797 | 133253 | 190042 | 205093 | 130490 | 78518  | 54064 |
| 6    | 150145 | 144199 | 138386 | 133797 | 132991 | 134034 | 133714 | 192699 | 203230 | 127853 | 77725  | 53863 |
| 7    | 149922 | 144022 | 138045 | 133667 | 133306 | 134271 | 134378 | 195017 | 201337 | 125234 | 76932  | 53669 |
| 8    | 149705 | 143798 | 138021 | 133560 | 133324 | 134117 | 135527 | 197243 | 199295 | 122618 | 76139  | 53502 |
| 9    | 149599 | 143586 | 137853 | 133406 | 133324 | 134034 | 137146 | 199459 | 196904 | 120033 | 75362  | 53293 |
| 10   | 149456 | 143314 | 137781 | 133141 | 133406 | 133987 | 138284 | 201992 | 194766 | 117447 | 74983  | 53138 |
| 11   | 149296 | 143259 | 137649 | 132935 | 133596 | 133543 | 139137 | 205071 | 192218 | 114861 | 74014  | 52929 |
| 12   | 149137 | 143211 | 137595 | 132859 | 133543 | 133324 | 139875 | 208554 | 189945 | 112028 | 72836  | 52658 |
| 13   | 149002 | 142999 | 137570 | 132783 | 133560 | 132971 | 140548 | 212157 | 187954 | 109195 | 71662  | 52345 |
| 14   | 148947 | 142787 | 137544 | 132706 | 133560 | 132624 | 141287 | 214629 | 185601 | 106362 | 70515  | 52075 |
| 15   | 148842 | 142515 | 137519 | 132683 | 133714 | 132471 | 142140 | 216709 | 183228 | 104056 | 69361  | 51682 |
| 16   | 148671 | 142328 | 137493 | 132596 | 133714 | 132418 | 143314 | 218565 | 180833 | 101410 | 68311  | 51284 |
| 17   | 148511 | 141983 | 137457 | 132509 | 133697 | 131765 | 145282 | 220180 | 178414 | 98765  | 67373  | 50886 |
| 18   | 148315 | 142013 | 137457 | 132422 | 133614 | 131630 | 147836 | 221664 | 175967 | 96119  | 65848  | 50672 |
| 19   | 148112 | 141928 | 137457 | 132335 | 133714 | 131324 | 149816 | 223033 | 173501 | 94367  | 64505  | 50300 |
| 20   | 147904 | 141874 | 137086 | 132182 | 133750 | 131398 | 151020 | 224229 | 171017 | 93148  | 63336  | 49947 |
| 21   | 147689 | 141360 | 136720 | 132047 | 133780 | 131472 | 152480 | 224183 | 168543 | 91929  | 62158  | 49582 |
| 22   | 147475 | 141185 | 136379 | 132182 | 133880 | 131546 | 154262 | 223381 | 166047 | 90710  | 60992  | 49310 |
| 23   | 147125 | 140620 | 136295 | 132182 | 133987 | 131620 | 156752 | 222398 | 163581 | 89852  | 60063  | 49031 |
| 24   | 146769 | 140410 | 136085 | 132182 | 134070 | 131694 | 159826 | 221294 | 161121 | 89034  | 59239  | 48811 |
| 25   | 146451 | 140308 | 135918 | 132159 | 134088 | 132130 | 163144 | 219985 | 158648 | 88181  | 58376  | 48748 |
| 26   | 146806 | 139875 | 135722 | 131977 | 134117 | 132365 | 166199 | 218700 | 155706 | 87529  | 57579  | 48681 |
| 27   | 146751 | 139827 | 135527 | 131794 | 134141 | 132518 | 168707 | 217005 | 153421 | 86471  | 56848  | 48610 |
| 28   | 146610 | 139743 | 135397 | 131712 | 134295 | 132447 | 170800 | 215540 | 150772 | 85615  | 56129  | 48565 |
| 29   | 146176 | 139587 | 135006 | ---    | 134295 | 132418 | 172706 | 214334 | 148487 | 84760  | 55405  | 48416 |
| 30   | 146102 | 139533 | 134929 | ---    | 134295 | 132418 | 174723 | 212976 | 145723 | 83904  | 55095  | 48178 |
| 31   | ---    | 139533 | 134852 | ---    | 134407 | ---    | 176202 | ---    | 143138 | 82933  | ---    | 47962 |
| MAX  | 150883 | 145857 | 139395 | 134573 | 134407 | 134271 | 176202 | 224229 | 211515 | 141077 | 82042  | 54939 |
| MIN  | 146102 | 139533 | 134852 | 131712 | 131741 | 131324 | 132365 | 177867 | 143138 | 82933  | 55095  | 47962 |
| CHNG |        | -6569  | -4681  | -3140  | 2695   | -1989  | 43784  | 36774  | -69838 | -60205 | -27838 | -7133 |

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## PRELIMINARY DATA

25-FEB-92

13194000 ARROWROCK RESERVOIR  
 CONTENTS IN ACRE FEET, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991

| DAY  | NOV    | DEC    | JAN    | FEB    | MAR    | APR     | MAY   | JUN   | JUL    | AUG   | SEP   | OCT   |
|------|--------|--------|--------|--------|--------|---------|-------|-------|--------|-------|-------|-------|
| 1    | 82476  | 124082 | 162880 | 205901 | 237300 | 205573  | 27573 | 23091 | 29302  | 14730 | 14582 | 6695  |
| 2    | 83855  | 125373 | 164038 | 207201 | 237661 | 204026  | 23150 | 23689 | 27663  | 14571 | 14537 | 8547  |
| 3    | 85206  | 126665 | 165298 | 208628 | 237972 | 201771  | 19831 | 25535 | 26319  | 14296 | 14527 | 10030 |
| 4    | 86770  | 127957 | 166474 | 209997 | 238750 | 199703  | 17405 | 28519 | 25196  | 13986 | 14439 | 11157 |
| 5    | 88339  | 129298 | 167767 | 211325 | 240147 | 197946  | 15832 | 30953 | 24168  | 14092 | 14342 | 12284 |
| 6    | 89763  | 130561 | 169089 | 212702 | 240982 | 196868  | 15719 | 31959 | 23124  | 14378 | 14235 | 12702 |
| 7    | 91079  | 131662 | 170101 | 214000 | 241434 | 195880  | 16326 | 32513 | 22097  | 14582 | 14128 | 12836 |
| 8    | 92555  | 132978 | 171028 | 215407 | 241876 | 194246  | 17405 | 32945 | 21851  | 14674 | 14036 | 13272 |
| 9    | 94090  | 134302 | 172899 | 216836 | 242161 | 189500  | 19442 | 33404 | 21844  | 14724 | 14009 | 13746 |
| 10   | 95517  | 135577 | 174083 | 218314 | 242432 | 182897  | 19849 | 34177 | 21580  | 14746 | 13819 | 14338 |
| 11   | 96964  | 137120 | 175716 | 219770 | 242432 | 175183  | 19666 | 35854 | 21106  | 14752 | 14176 | 14869 |
| 12   | 98406  | 138100 | 177110 | 221202 | 241154 | 167287  | 19156 | 38094 | 20494  | 14716 | 11433 | 15415 |
| 13   | 99734  | 139700 | 180829 | 222706 | 239300 | 159710  | 18613 | 39408 | 19760  | 14659 | 7660  | 16022 |
| 14   | 101127 | 140961 | 182143 | 224268 | 237450 | 152242  | 18428 | 39420 | 19038  | 14598 | 5940  | 16878 |
| 15   | 102382 | 141598 | 184047 | 225805 | 235580 | 142378  | 18447 | 38482 | 18290  | 14546 | 5494  | 18082 |
| 16   | 103644 | 143095 | 185475 | 227675 | 233680 | 131697  | 18888 | 37483 | 17532  | 14531 | 5331  | 19262 |
| 17   | 104886 | 144499 | 186877 | 229577 | 231808 | 121671  | 20455 | 36096 | 16755  | 14474 | 5162  | 20796 |
| 18   | 106090 | 145955 | 188259 | 231288 | 229883 | 112289  | 22427 | 34425 | 16047  | 14393 | 5029  | 22167 |
| 19   | 107826 | 147233 | 189299 | 232872 | 228118 | 103591  | 23294 | 32993 | 16209  | 15006 | 4874  | 23376 |
| 20   | 108602 | 148412 | 190962 | 234380 | 226293 | 96414   | 23404 | 32233 | 16547  | 15527 | 4751  | 24478 |
| 21   | 110759 | 149448 | 192143 | 235370 | 224450 | 89653   | 23315 | 31903 | 16612  | 15455 | 4634  | 25566 |
| 22   | 112143 | 150328 | 193246 | 235863 | 222683 | 84229   | 23751 | 32009 | 16455  | 15174 | 4527  | 26682 |
| 23   | 113546 | 151210 | 194489 | 236282 | 220911 | 79772   | 24268 | 32185 | 16179  | 14909 | 4132  | 27220 |
| 24   | 114847 | 152242 | 195788 | 236670 | 219118 | 72133   | 25112 | 32119 | 15884  | 14609 | 4001  | 28196 |
| 25   | 116269 | 153499 | 197057 | 236853 | 217405 | 64122   | 26138 | 31952 | 15501  | 14296 | 3894  | 29488 |
| 26   | 117678 | 154881 | 198311 | 236935 | 215589 | 56886   | 26666 | 31609 | 15063  | 14211 | 3817  | 30976 |
| 27   | 119027 | 156314 | 199577 | 236980 | 213754 | 50163   | 26544 | 31295 | 14474  | 14282 | 3759  | 32585 |
| 28   | 120318 | 157802 | 200759 | 237058 | 211873 | 44398   | 25761 | 30857 | 13842  | 14384 | 3686  | 33974 |
| 29   | 121500 | 159016 | 201995 | ---    | 210128 | 39048   | 24873 | 30487 | 14077  | 14500 | 3622  | 35298 |
| 30   | 122886 | 160127 | 203194 | ---    | 208326 | 33235   | 24233 | 30551 | 14531  | 14552 | 4834  | 36599 |
| 31   | ---    | 161500 | 204524 | ---    | 206675 | ---     | 23486 | ---   | 14716  | 14577 | ---   | 37663 |
| MAX  | 122886 | 161500 | 204524 | 237058 | 242432 | 205573  | 27573 | 39420 | 29302  | 15527 | 14582 | 37663 |
| MIN  | 82476  | 124082 | 162880 | 205901 | 206675 | 33235   | 15719 | 23091 | 13842  | 13986 | 3622  | 6695  |
| CHNG | 38614  | 43024  | 43024  | 32534  | -30383 | -173440 | -9749 | 7065  | -15835 | -139  | -9743 | 32829 |

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## PRELIMINARY DATA

25-FEB-92

13201500 LUCKY PEAK RESERVOIR  
 CONTENTS IN ACRE FEET, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991

| DAY  | NOV   | DEC   | JAN   | FEB   | MAR   | APR    | MAY    | JUN    | JUL    | AUG     | SEP    | OCT   |
|------|-------|-------|-------|-------|-------|--------|--------|--------|--------|---------|--------|-------|
| 1    | 52113 | 46572 | 41080 | 37229 | 34043 | 68031  | 244889 | 263468 | 256393 | 184110  | 57777  | 2661  |
| 2    | 51926 | 46421 | 40923 | 37063 | 34043 | 70417  | 247060 | 263933 | 257097 | 180640  | 53607  | 1861  |
| 3    | 51702 | 46260 | 40765 | 36937 | 34080 | 73179  | 248141 | 264454 | 257476 | 177176  | 49458  | 964   |
| 4    | 51534 | 46027 | 40596 | 36798 | 34290 | 75913  | 248322 | 264481 | 257503 | 173876  | 45348  | 420   |
| 5    | 51392 | 46014 | 40426 | 36696 | 34950 | 78619  | 247705 | 264481 | 256663 | 170157  | 41198  | 404   |
| 6    | 51223 | 45810 | 40244 | 36596 | 35275 | 81439  | 245914 | 264728 | 255987 | 166341  | 37063  | 436   |
| 7    | 51027 | 45593 | 40087 | 36621 | 35412 | 84161  | 243963 | 264701 | 255099 | 162562  | 32923  | 461   |
| 8    | 50856 | 45389 | 39944 | 36507 | 35525 | 86564  | 242356 | 264481 | 253082 | 158820  | 28787  | 501   |
| 9    | 50717 | 45212 | 39774 | 36393 | 35525 | 91805  | 241484 | 264316 | 250698 | 154966  | 24822  | 501   |
| 10   | 50507 | 45009 | 39631 | 36292 | 35525 | 98782  | 240927 | 264070 | 248274 | 151261  | 21125  | 501   |
| 11   | 50310 | 44914 | 39464 | 36178 | 35575 | 106075 | 239997 | 263632 | 246073 | 147511  | 18447  | 453   |
| 12   | 50086 | 44524 | 39528 | 36064 | 36747 | 113717 | 239658 | 263222 | 243619 | 144069  | 19539  | 388   |
| 13   | 49850 | 44323 | 39515 | 36014 | 38534 | 121282 | 239162 | 262866 | 241176 | 140666  | 21615  | 380   |
| 14   | 49653 | 44188 | 39528 | 35964 | 40296 | 128475 | 238692 | 262866 | 238931 | 137338  | 21834  | 469   |
| 15   | 49459 | 43933 | 39528 | 35888 | 42015 | 137955 | 238380 | 263003 | 236672 | 134003  | 20809  | 582   |
| 16   | 49262 | 43705 | 39515 | 35900 | 43705 | 147410 | 238118 | 263030 | 234391 | 130685  | 19592  | 703   |
| 17   | 49052 | 43544 | 39489 | 35938 | 45335 | 157861 | 238432 | 263085 | 232009 | 127340  | 18447  | 735   |
| 18   | 48859 | 43424 | 39412 | 35951 | 46929 | 166735 | 239580 | 262948 | 229559 | 123972  | 17285  | 743   |
| 19   | 48734 | 43291 | 39321 | 35724 | 48541 | 174724 | 241045 | 262428 | 226181 | 119644  | 16140  | 566   |
| 20   | 48597 | 43264 | 39218 | 35025 | 50240 | 181836 | 242566 | 261962 | 222607 | 114734  | 15042  | 663   |
| 21   | 48471 | 43065 | 39063 | 34975 | 51786 | 188227 | 244120 | 261253 | 219199 | 110928  | 14049  | 695   |
| 22   | 48332 | 42825 | 38895 | 34837 | 53349 | 193837 | 245756 | 260518 | 215904 | 107122  | 13078  | 727   |
| 23   | 48209 | 42625 | 38766 | 34737 | 54928 | 198569 | 248274 | 259837 | 212695 | 100168  | 12014  | 638   |
| 24   | 48070 | 42399 | 38624 | 34637 | 56463 | 206178 | 251179 | 259047 | 209607 | 95372   | 10716  | 703   |
| 25   | 47947 | 42213 | 38482 | 34513 | 57982 | 213104 | 253887 | 258397 | 206639 | 90565   | 9395   | 590   |
| 26   | 47778 | 42042 | 38315 | 34389 | 59501 | 219309 | 256555 | 257747 | 203871 | 85670   | 8037   | 703   |
| 27   | 47600 | 41870 | 38175 | 34290 | 61003 | 223863 | 258857 | 257097 | 201168 | 80796   | 6644   | 630   |
| 28   | 47161 | 41739 | 37983 | 34154 | 62412 | 228756 | 260626 | 256799 | 198411 | 75913   | 5280   | 687   |
| 29   | 46957 | 41607 | 37830 | ---   | 63831 | 233262 | 261716 | 256366 | 194913 | 71076   | 3953   | 816   |
| 30   | 46804 | 41396 | 37650 | ---   | 65246 | 240904 | 262310 | 256014 | 191209 | 66380   | 3465   | 743   |
| 31   | ---   | 41238 | 37369 | ---   | 66641 | ---    | 263030 | ---    | 187610 | 61990   | ---    | 638   |
| MAX  | 52113 | 46572 | 41080 | 37229 | 66641 | 240904 | 263030 | 264728 | 257503 | 184110  | 57777  | 2661  |
| MIN  | 46804 | 41238 | 37369 | 34154 | 34043 | 68031  | 238118 | 256014 | 187610 | 61990   | 3465   | 380   |
| CHNG | ---   | -5566 | -3869 | -3215 | 32487 | 174263 | 22126  | -7016  | -68404 | -125620 | -58525 | -2827 |

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IN STREAM FLOW RELEASES



7-APR-92

13201991 BUREAU OF RECLAMATION INSTREAM FLOW RELEASE  
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1990 TO OCTOBER 1991  
MEAN VALUES

| DAY                  | NOV  | DEC  | JAN  | FEB   | MAR  | APR | MAY   | JUN   | JUL | AUG | SEP | OCT  |
|----------------------|------|------|------|-------|------|-----|-------|-------|-----|-----|-----|------|
| 1                    | 73   | 80   | 80   | 82    | 81   | 71  | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0  |
| 2                    | 79   | 80   | 80   | 82    | 81   | 150 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0  |
| 3                    | 80   | 80   | 80   | 82    | 82   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0  |
| 4                    | 80   | 82   | 80   | 82    | 82   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0  |
| 5                    | 80   | 84   | 80   | 82    | 81   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0  |
| 6                    | 80   | 82   | 80   | 82    | 80   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0  |
| 7                    | 80   | 82   | 80   | 83    | 82   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0  |
| 8                    | 95   | 82   | 80   | 81    | 83   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0  |
| 9                    | 71   | 82   | 80   | 82    | 83   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0  |
| 10                   | 77   | 82   | 80   | 80    | 84   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0  |
| 11                   | 77   | 81   | 80   | 81    | 85   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0  |
| 12                   | 77   | 80   | 81   | 81    | 91   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0  |
| 13                   | 77   | 80   | 80   | 82    | 86   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0  |
| 14                   | 82   | 80   | 80   | 83    | 81   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0  |
| 15                   | 85   | 80   | 80   | 86    | 74   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0  |
| 16                   | 87   | 80   | 80   | 87    | 77   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0  |
| 17                   | 90   | 80   | 80   | 87    | 80   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0  |
| 18                   | 93   | 80   | 79   | 87    | 83   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0  |
| 19                   | 90   | 80   | 80   | 81    | 87   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0  |
| 20                   | 90   | 80   | 80   | 73    | 88   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0  |
| 21                   | 85   | 80   | 80   | 81    | 89   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0  |
| 22                   | 83   | 80   | 86   | 83    | 92   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0  |
| 23                   | 82   | 80   | 83   | 82    | 96   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0  |
| 24                   | 82   | 80   | 79   | 80    | 96   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 47   |
| 25                   | 82   | 80   | 82   | 86    | 93   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 62   |
| 26                   | 85   | 80   | 82   | 87    | 90   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 59   |
| 27                   | 85   | 80   | 82   | 83    | 86   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 59   |
| 28                   | 82   | 80   | 83   | 80    | 87   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 60   |
| 29                   | 80   | 80   | 82   | ---   | 90   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 61   |
| 30                   | 80   | 80   | 82   | ---   | 82   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 59   |
| 31                   | ---  | 80   | 82   | ---   | 74   | --- | 0.0   | ---   | 0.0 | 0.0 | 0.0 | 57   |
| TOTAL                | 2466 | 2494 | 2500 | 2308  | 2622 | 221 | 0     | 0     | 0   | 0   | --- | 58   |
| MEAN                 | 82   | 80   | 81   | 82    | 85   | 7.4 | 0.0   | 0     | 0   | 0   | 0   | 522  |
| MAX                  | 95   | 84   | 86   | 87    | 96   | 150 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 17   |
| MIN                  | 71   | 80   | 79   | 73    | 74   | 0.0 | 0.0   | 0.0   | 0.0 | 0.0 | 0.0 | 62   |
| AC-FT                | 4892 | 4947 | 4959 | 4577  | 5201 | 438 | 0     | 0     | 0   | 0   | 0   | 0.0  |
| IRRIGATION YEAR 1991 |      |      |      |       |      |     |       |       |     |     |     |      |
| TOTAL                |      |      |      | 13133 | MEAN | 36  | AC-FT | 26049 |     |     |     | 1035 |

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