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WATER DISTRIBUTION  
AND HYDROMETRIC WORK  
DISTRICT NO. 36  
SNAKE RIVER, IDAHO

1964



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## INTRODUCTION

The annual meeting of Water District No. 36 was held at Idaho Falls on March 2, 1964. H. C. Eagle was reelected as watermaster for the ensuing year.

The following were elected as members of the Committee of Nine:

Leonard Graham, Chairman; Alfred Peters, Vice-Chairman; C. N. Scoresby, Secretary; Leo Murdock, Frank Redfield, R. Willis Walker; Lester Saunders, Harold Nagle, Lavon Christensen.

Advisory members: H. R. Gray, representing the Bureau of Reclamation; William Kerner, representing the Gooding Project; F. C. Gillette, representing Teton Basin.

Principal resolutions adopted at the annual meeting were as follows:

1. That the following transmission losses be charged on stored water: 1.7% Moran to Palisades; 0.8% Palisades to Heise; 4.4% Heise to Lorenzo; 0.5% Lorenzo to Woodville; 6% Woodville to Blackfoot; 4% Henrys Lake to Island Park; 2% Island Park to Warm River; 0.5% Warm River to Ashton.

2. Adopted a budget of \$75,340 to cover the expense of operating the District during the coming year, of which it was estimated that \$34,000 would be available from Federal and State stream gaging funds.

3. Recommended the continuation of a pool committee to obtain and allocate rental water.

4. Reaffirmed support of an integrated multipurpose Burns Creek project calling attention to the benefits for flood control and recreation.

5. Reaffirmed support for the Lower Teton Reclamation Project.



6. Expressed opposition to the diversion of Snake River waters to California or any other state without the execution of a compact between the affected states.

The year 1964 was one of above normal precipitation and runoff. The average precipitation for nine representative stations for the year ending September 30, 1964, was 17.15" compared to the normal of 15.53". Precipitation for November was above normal and produced favorable soil moisture conditions on the watershed. With above normal precipitation in May and over twice normal precipitation in June, runoff was greater than forecast from snow surveys.

Water was released from Palisades Reservoir for flood control during April, May and June. The peak flow at Heise was 20,900 cfs on July 3, with some minor flooding reported in the Menan area.

During the April through June period over 1,000,000 acre-feet spilled to waste past Milner. Had the proposed large Burns Creek Reservoir been available practically all of this could have been stored.

All reservoirs were full on July 1, and for the second consecutive year all allotments were 100% filled.

Withdrawal of stored water started from American Falls on July 8. The 1916 "floodwater" rights were cut on July 20 compared to July 3, 1963. The lowest cut in decrees occurred September 18-20, when April 28, 1892, rights were cut. Regulation in the upper valley was discontinued on October 1. Storage deliveries continued in the lower valley through October 17.

Combined usable storage in the reservoir system on October 17 was 2,056,000 acre-feet. This is 300,000 acre-feet greater than



a year ago and 50% of active capacity.

Flow past Milner for the water year in excess of Idaho Power Company rights amounted to <sup>2,200,000 acre-feet</sup> 1,490,000 acre-feet. Flow past Minidoka dam was curtailed for upstream storage for periods October 15-20 and October 29 to April 15.

The Lower Teton Project was authorized by Congress and the President in September 1964.

Studies were commenced by the Bureau of Reclamation on an enlarged Burns Creek project. It has been proposed that this be named the Lynn Crandall dam.

Drilling at a second damsite and other studies on the Ririe project were carried out by the Corps of Army Engineers.

#### PERSONNEL

The persons engaged in water distribution during 1964 were as follows:

|                   |                                                       |
|-------------------|-------------------------------------------------------|
| H. C. Eagle       | Watermaster and Deputy Com. of Reclamation            |
| Arthur L. Larson  | Hydraulic Engineer and Deputy Watermaster             |
| Robert W. Harper  | Engineering Technician and Hydrographer               |
| O. P. Mortensen   | Deputy Watermaster and Hydrographer at<br>St. Anthony |
| Oleen Dummer      | Hydrographer                                          |
| A. H. Bush        | Hydrographer                                          |
| Charlotte E. Wood | Clerk                                                 |
| Arthur W. Wilson  | Deputy Watermaster and Hydrographer,<br>Teton Basin   |
| Seth L. Hansen    | Deputy Watermaster, Teton Basin                       |
| L. C. Anderson    | Deputy Watermaster, Lower Teton River                 |
| S. B. Garrett     | Deputy Watermaster, Henrys Fork                       |
| Elmer Lenz        | Deputy Watermaster, Upper Fall River                  |
| D. R. Anthony     | Deputy Watermaster, Heise Division                    |
| J. M. Brown       | Deputy Watermaster, Rigby Division                    |
| J. A. Balmforth   | Deputy Watermaster, Idaho Falls Division              |
| Carl J. Anderson  | Deputy Watermaster, Blackfoot Division                |
| William Meador    | Deputy Watermaster, Swan Valley Division              |
| H. R. Gray        | Supt. Minidoka Project, Bur. of Reclamation           |
| C. R. Finley      | Supt. Am. Falls Res., Bureau of Reclamation           |
| Edw. Wilske       | Asst. Supt. Am. Falls Res., Bureau of<br>Reclamation  |
| James L. Braman   | Supt. Jackson Lake, Bureau of Reclamation             |



Personnel, continued

C. T. Vaughan  
John Williams

Supt. Palisades Res., Bureau of Reclamation  
Supt. Island Park Res., Bureau of  
Reclamation

Gage readers: Foster B. Randall, D. R. Anthony, Mrs. Irvin Siepert, R. E. Wagner, W. R. Etherington, R. H. Seymour, Mario M. Purin, Ray Flavel, Dean W. Davis, Raymond Howerton, Earl D. Sears, C. E. Wiseman, Evert Prescott, Rogers Livingston, S. B. Pulliam.

SNOW SURVEYS

The results of snow surveys for the past ten years are shown in the following tabulations. The figures for earlier years are shown in previous annual reports of the District. Normals are those computed by Soil Conservation Service and are for period 1943-57 for snow courses in use during that time.

Depth in Inches (S = Snow, W = Water)

| <u>Year</u>                | <u>Jan. 1</u> |          | <u>Feb. 1</u> |          | <u>Mar. 1</u> |          | <u>April 1</u> |          |
|----------------------------|---------------|----------|---------------|----------|---------------|----------|----------------|----------|
|                            | <u>S</u>      | <u>W</u> | <u>S</u>      | <u>W</u> | <u>S</u>      | <u>W</u> | <u>S</u>       | <u>W</u> |
| <u>Moran (Snake River)</u> |               |          |               |          |               |          |                |          |
| 1955                       | 20            | 2.7      | 24            | 4.7      | 34            | 7.8      | 30             | 10.7     |
| 1956                       | 35            | 9.6      | 50            | 14.0     | 54            | 16.6     | 47             | 18.5     |
| 1957                       | 24            | 5.1      | 41            | 8.2      | 41            | 12.1     | 42             | 13.6     |
| 1958                       | 31            | 6.4      | 43            | 8.7      | 40            | 11.5     | 35             | 11.5     |
| 1959                       | 21            | 4.9      | 36            | 7.6      | 43            | 11.3     | 37             | 11.0     |
| 1960                       | 12            | 1.8      | 25            | 5.2      | 36            | 9.5      | 30             | 10.3     |
| 1961                       | 25            | 4.8      | 26            | 6.2      | 33            | 7.9      | 26             | 7.5      |
| 1962                       | 35            | 8.0      | 41            | 10.4     | 43            | 12.4     | 44             | 14.2     |
| 1963                       | 11            | 1.8      | 27            | 5.2      | 29            | 8.6      | 25             | 8.2      |
| 1964                       | 21            | 3.8      | 40            | 9.1      | 38            | 10.1     | 43             | 12.7     |
| Normal                     |               | 5.1      |               | 8.6      |               | 12.0     |                | 12.1     |

|                                   |   |   |    |      |    |      |    |        |
|-----------------------------------|---|---|----|------|----|------|----|--------|
| <u>Moran Canyon (Snake River)</u> |   |   |    |      |    |      |    |        |
| 1955                              | - | - | 31 | 7.3  | 50 | 12.6 | 54 | 17.3   |
| 1956                              | - | - | 76 | 22.8 | 84 | 27.9 | 75 | 30.4   |
| 1957                              | - | - | 63 | 14.9 | 65 | 20.1 | 70 | 24.6   |
| 1958                              | - | - | 53 | 14.1 | 66 | 21.5 | 65 | 23.9   |
| 1959                              | - | - | 51 | 12.8 | 66 | 18.6 | 61 | 12.3   |
| 1960                              | - | - | 38 | 7.5  | 48 | 13.3 | -  | (14.8) |
| 1961                              | - | - | 35 | 9.5  | 49 | 13.6 | 49 | 16.5   |
| 1962                              | - | - | 57 | 17.3 | 65 | 23.0 | 70 | 26.0   |
| 1963                              | - | - | -  | -    | 45 | 13.1 | 39 | 13.9   |
| 1964                              | - | - | 54 | 13.7 | 49 | 16.7 | 66 | 20.4   |
| Normal                            | - | - |    | 14.2 |    | 20.0 |    | 23.2   |



Depth in Inches (S = Snow, W = Water)

| Year                                 | Jan. 1 |      | Feb. 1 |      | Mar. 1 |      | April 1 |      |
|--------------------------------------|--------|------|--------|------|--------|------|---------|------|
|                                      | S      | W    | S      | W    | S      | W    | S       | W    |
| <u>Arizona Station (Snake River)</u> |        |      |        |      |        |      |         |      |
| 1955                                 | 20     | 3.5  | 29     | 7.3  | 51     | 12.5 | 52      | 17.1 |
| 1956                                 | 48     | 14.2 | 69     | 21.8 | 74     | 26.1 | 68      | 27.8 |
| 1957                                 | 29     | 7.3  | 53     | 12.3 | 62     | 18.8 | 63      | 22.1 |
| 1958                                 | 37     | 8.4  | 39     | 10.1 | 50     | 14.8 | 50      | 17.2 |
| 1959                                 | 24     | 5.8  | 43     | 9.2  | 56     | 14.7 | 62      | 17.8 |
| 1960                                 | 16     | 2.6  | 32     | 6.2  | 40     | 10.8 | 44      | 13.9 |
| 1961                                 | 30     | 7.3  | 33     | 8.3  | 47     | 12.8 | 46      | 15.3 |
| 1962                                 | 44     | 11.7 | 49     | 14.1 | 61     | 19.3 | 67      | 23.5 |
| 1963                                 | 15     | 3.0  | 30     | 5.7  | 36     | 9.8  | 33      | 10.3 |
| 1964                                 | 28     | 6.6  | 50     | 12.5 | 62     | 18.3 | 60      | 18.7 |
| Normal                               |        | 7.5  |        | 12.5 |        | 17.5 |         | 20.0 |

|                                         |    |      |    |      |    |      |    |      |
|-----------------------------------------|----|------|----|------|----|------|----|------|
| <u>Huckleberry Divide (Snake River)</u> |    |      |    |      |    |      |    |      |
| 1955                                    | 23 | 4.0  | 34 | 8.5  | 54 | 13.2 | 56 | 17.9 |
| 1956                                    | 55 | 15.4 | 73 | 22.9 | 77 | 26.2 | 69 | 28.0 |
| 1957                                    | 31 | 7.9  | 52 | 12.9 | 64 | 18.1 | 63 | 21.2 |
| 1958                                    | 40 | 9.5  | 43 | 11.6 | 55 | 17.1 | 55 | 18.8 |
| 1959                                    | 28 | 6.8  | 47 | 10.4 | 58 | 15.6 | 62 | 18.5 |
| 1960                                    | 17 | 3.0  | 35 | 6.3  | 43 | 10.9 | 46 | 13.7 |
| 1961                                    | 32 | 7.6  | 33 | 8.6  | 46 | 12.7 | 50 | 15.2 |
| 1962                                    | 44 | 11.6 | 52 | 14.9 | 63 | 20.1 | 68 | 23.7 |
| 1963                                    | 16 | 3.5  | 35 | 6.6  | 42 | 10.7 | 38 | 11.6 |
| 1964                                    | 29 | 6.7  | 52 | 12.9 | 49 | 14.5 | 63 | 19.7 |
| Normal                                  |    | 8.1  |    | 12.7 |    | 18.3 |    | 21.2 |

|                                          |    |      |    |      |    |      |    |      |
|------------------------------------------|----|------|----|------|----|------|----|------|
| <u>Snake River Station (Snake River)</u> |    |      |    |      |    |      |    |      |
| 1955                                     | 25 | 4.6  | 34 | 8.9  | 55 | 13.8 | 59 | 19.3 |
| 1956                                     | 53 | 15.0 | 77 | 23.9 | 80 | 28.2 | 72 | 20.0 |
| 1957                                     | 32 | 8.8  | 58 | 14.3 | 67 | 20.7 | 69 | 24.4 |
| 1958                                     | 42 | 10.3 | 45 | 12.3 | 58 | 18.1 | 56 | 20.1 |
| 1959                                     | 30 | 7.9  | 42 | 11.0 | 61 | 16.8 | 63 | 19.8 |
| 1960                                     | 14 | 2.3  | 33 | 6.3  | 44 | 11.7 | 43 | 14.2 |
| 1961                                     | 37 | 8.7  | 37 | 10.1 | 53 | 15.1 | 57 | 17.9 |
| 1962                                     | 48 | 12.8 | 53 | 15.9 | 63 | 20.2 | 66 | 23.2 |
| 1963                                     | 19 | 4.8  | 41 | 8.3  | 49 | 13.2 | 44 | 14.6 |
| 1964                                     | 28 | 6.2  | 52 | 12.5 | 52 | 15.0 | 65 | 20.3 |
| Normal                                   |    | 8.6  |    | 13.9 |    | 19.5 |    | 21.9 |

|                                        |     |      |     |      |     |      |     |      |
|----------------------------------------|-----|------|-----|------|-----|------|-----|------|
| <u>Lewis Lake Divide (Snake River)</u> |     |      |     |      |     |      |     |      |
| 1955                                   | 41  | 9.7  | 53  | 16.6 | 97  | 26.9 | 106 | 38.7 |
| 1956                                   | 105 | 35.8 | 139 | 50.5 | 164 | 61.3 | 143 | 65.8 |
| 1957                                   | 53  | 17.6 | 88  | 27.3 | 119 | 41.1 | 123 | 48.0 |
| 1958                                   | 74  | 20.4 | 72  | 23.6 | 101 | 34.1 | 99  | 38.0 |
| 1959                                   | 54  | 17.3 | 76  | 23.4 | 112 | 36.4 | 122 | 42.7 |
| 1960                                   | 26  | 5.5  | 56  | 13.4 | 66  | 21.1 | 78  | 27.1 |
| 1961                                   | 54  | 15.6 | 51  | 17.0 | 89  | 27.6 | 102 | 36.1 |
| 1962                                   | 86  | 25.9 | 86  | 30.8 | 116 | 42.4 | 133 | 50.4 |
| 1963                                   | 31  | 9.7  | 59  | 14.8 | 75  | 23.6 | 71  | 26.3 |
| 1964                                   | 45  | 12.8 | 79  | 22.8 | 79  | 26.8 | 112 | 37.3 |
| Normal                                 |     | 19.2 |     | 30.0 |     | 39.4 |     | 48.4 |



Depth in Inches (S = Snow, W = Water)

| Year                             | Jan. 1 |      | Feb. 1 |      | Mar. 1 |      | April 1 |      |
|----------------------------------|--------|------|--------|------|--------|------|---------|------|
|                                  | S      | W    | S      | W    | S      | W    | S       | W    |
| <u>Aster Creek (Snake River)</u> |        |      |        |      |        |      |         |      |
| 1955                             | 31     | 6.4  | 40     | 10.7 | 82     | 20.1 | 92      | 30.6 |
| 1956                             | 85     | 27.3 | 106    | 35.8 | 125    | 44.5 | 113     | 48.7 |
| 1957                             | 40     | 12.3 | 69     | 19.0 | 97     | 29.9 | 96      | 35.3 |
| 1958                             | 59     | 14.8 | 53     | 16.4 | 69     | 21.8 | 70      | 24.8 |
| 1959                             | 38     | 11.0 | 55     | 15.5 | 81     | 24.1 | 85      | 27.5 |
| 1960                             | 21     | 3.6  | 45     | 9.7  | 49     | 14.6 | 56      | 16.6 |
| 1961                             | 41     | 11.8 | 42     | 12.3 | 71     | 19.7 | 79      | 25.0 |
| 1962                             | 67     | 20.4 | 71     | 23.1 | 93     | 32.0 | 106     | 38.2 |
| 1963                             | 28     | 8.0  | 48     | 10.9 | 61     | 17.7 | 56      | 19.2 |
| 1964                             | 32     | 8.0  | 65     | 16.5 | 62     | 18.3 | 81      | 25.4 |
| Normal                           |        | 14.1 |        | 22.1 |        | 30.0 |         | 36.4 |

|                                   |    |      |    |      |    |      |    |      |
|-----------------------------------|----|------|----|------|----|------|----|------|
| <u>Colter Creek (Snake River)</u> |    |      |    |      |    |      |    |      |
| 1955                              | 24 | 4.8  | 37 | 10.0 | 64 | 12.4 | 64 | 20.7 |
| 1956                              | 61 | 17.2 | 85 | 24.0 | 94 | 28.0 | 80 | 33.1 |
| 1957                              | 39 | 10.4 | 59 | 15.7 | 76 | 25.4 | 81 | 29.0 |
| 1958                              | -  | -    | 46 | 13.0 | 64 | 18.9 | 57 | 20.8 |
| 1959                              | -  | -    | 48 | 12.3 | 65 | 18.7 | 59 | 20.8 |
| 1960                              | -  | -    | 36 | 8.1  | 50 | 12.8 | 44 | 15.5 |
| 1961                              | -  | -    | 34 | 9.2  | 53 | 15.5 | 59 | 19.1 |
| 1962                              | -  | -    | 55 | 16.2 | 68 | 21.9 | 70 | 25.4 |
| 1963                              | -  | -    | 38 | 8.4  | 49 | 14.0 | 47 | 15.7 |
| 1964                              | -  | -    | 57 | 12.8 | 52 | 16.4 | 74 | 22.4 |
| Normal                            | -  | -    |    | 15.3 |    | 21.8 |    | 25.3 |

|                                  |    |      |    |      |    |      |    |      |
|----------------------------------|----|------|----|------|----|------|----|------|
| <u>Glade Creek (Snake River)</u> |    |      |    |      |    |      |    |      |
| 1955                             | 26 | 4.9  | 36 | 9.3  | 60 | 14.9 | 64 | 20.3 |
| 1956                             | 55 | 15.8 | 80 | 25.8 | 89 | 29.9 | 80 | 33.1 |
| 1957                             | 33 | 9.5  | 59 | 14.9 | 72 | 22.1 | 74 | 26.4 |
| 1958                             | 43 | 11.1 | 49 | 14.1 | 60 | 19.5 | 60 | 21.8 |
| 1959                             | 30 | 7.4  | 42 | 11.0 | 61 | 17.1 | 62 | 20.3 |
| 1960                             | 13 | 2.1  | 33 | 6.3  | 45 | 12.0 | 49 | 15.0 |
| 1961                             | 36 | 8.6  | 35 | 10.0 | 50 | 13.9 | 60 | 18.3 |
| 1962                             | 51 | 14.0 | 56 | 17.5 | 70 | 23.4 | 70 | 27.4 |
| 1963                             | 16 | 3.9  | 37 | 9.0  | 44 | 11.8 | 44 | 13.0 |
| 1964                             | 29 | 6.5  | 52 | 12.9 | 50 | 15.1 | 67 | 20.6 |
| Normal                           |    | 9.3  |    | 15.2 |    | 21.1 |    | 24.5 |

|                                |    |      |    |      |    |      |    |      |
|--------------------------------|----|------|----|------|----|------|----|------|
| <u>Base Camp (Snake River)</u> |    |      |    |      |    |      |    |      |
| 1955                           | 27 | 4.1  | 29 | 6.7  | 50 | 12.3 | 56 | 18.1 |
| 1956                           | 48 | 13.7 | 67 | 20.1 | 75 | 23.7 | 62 | 25.8 |
| 1957                           | 30 | 7.3  | 53 | 12.4 | 59 | 18.4 | 61 | 22.3 |
| 1958                           | 33 | 7.9  | 40 | 9.7  | 46 | 13.8 | 43 | 14.2 |
| 1959                           | -  | -    | 51 | 11.5 | 58 | 15.3 | 55 | 17.7 |
| 1960                           | 14 | 2.7  | 30 | 6.1  | 40 | 10.5 | 42 | 13.5 |
| 1961                           | -  | 6.3  | 32 | 7.3  | 44 | 11.5 | 38 | 12.3 |
| 1962                           | 44 | 11.1 | 46 | 13.3 | 56 | 17.3 | 59 | 20.5 |
| 1963                           | 17 | 4.0  | 42 | 8.6  | 42 | 12.0 | 37 | 12.4 |
| 1964                           | 28 | 6.5  | 52 | 12.8 | 51 | 15.2 | 64 | 19.7 |
| Normal                         |    | 8.7  |    | 13.2 |    | 18.2 |    | 19.9 |



Depth in Inches (S = Snow, W = Water)

| <u>Year</u>                                              | <u>Jan. 1</u> |          | <u>Feb. 1</u> |          | <u>Mar. 1</u> |          | <u>April 1</u> |          |
|----------------------------------------------------------|---------------|----------|---------------|----------|---------------|----------|----------------|----------|
|                                                          | <u>S</u>      | <u>W</u> | <u>S</u>      | <u>W</u> | <u>S</u>      | <u>W</u> | <u>S</u>       | <u>W</u> |
| <u>Average water content of ten Jackson Lake courses</u> |               |          |               |          |               |          |                |          |
| 1955                                                     | -             |          | 9.0           |          | 14.6          |          | 21.1           |          |
| 1956                                                     | -             |          | 26.3          |          | 31.2          |          | 34.1           |          |
| 1957                                                     | -             |          | 15.2          |          | 22.7          |          | 26.7           |          |
| 1958                                                     | -             |          | 13.4          |          | 19.1          |          | 21.1           |          |
| 1959                                                     | -             |          | 12.5          |          | 18.9          |          | 20.8           |          |
| 1960                                                     | -             |          | 7.5           |          | 12.7          |          | 15.5           |          |
| 1961                                                     | -             |          | 9.8           |          | 15.0          |          | 18.4           |          |
| 1962                                                     | -             |          | 17.4          |          | 23.2          |          | 27.2           |          |
| 1963                                                     | -             |          | 7.7           |          | 13.4          |          | 14.5           |          |
| 1964                                                     | -             |          | 13.8          |          | 16.2          |          | 21.7           |          |
| Normal                                                   | -             |          | 15.8          |          | 21.8          |          | 25.3           |          |

| <u>Year</u>                           | <u>Feb. 1</u> |          | <u>Mar. 1</u> |          | <u>April 1</u> |          |
|---------------------------------------|---------------|----------|---------------|----------|----------------|----------|
|                                       | <u>S</u>      | <u>W</u> | <u>S</u>      | <u>W</u> | <u>S</u>       | <u>W</u> |
| <u>Turpin Meadows (Buffalo River)</u> |               |          |               |          |                |          |
| 1955                                  | 21            | 3.9      | 28            | 6.1      | 32             | 7.9      |
| 1956                                  | 44            | 12.0     | 54            | 14.1     | 42             | 14.9     |
| 1957                                  | 39            | 8.3      | 39            | 10.1     | 41             | 11.0     |
| 1958                                  | 34            | 6.8      | 37            | 10.1     | 35             | 10.1     |
| 1959                                  | 37            | 7.3      | 42            | 10.1     | 36             | 11.1     |
| 1960                                  | 16            | 2.8      | 24            | 5.6      | 24             | 6.8      |
| 1961                                  | 25            | 5.6      | 31            | 7.4      | 28             | 8.4      |
| 1962                                  | 34            | 8.5      | 40            | 11.4     | 40             | 12.1     |
| 1963                                  | 27            | 4.9      | 31            | 7.1      | 22             | 6.4      |
| 1964                                  | 35            | 7.9      | 38            | 9.6      | 43             | 12.5     |
| Normal                                |               | 8.1      |               | 10.6     |                | 11.6     |

|                                          |    |      |    |      |    |      |
|------------------------------------------|----|------|----|------|----|------|
| <u>Four Mile Meadows (Buffalo River)</u> |    |      |    |      |    |      |
| 1955                                     | 26 | 5.3  | 34 | 7.0  | 42 | 10.6 |
| 1956                                     | 49 | 13.4 | 59 | 16.9 | 53 | 18.4 |
| 1957                                     | 39 | 8.4  | 44 | 10.4 | 48 | 13.1 |
| 1958                                     | 36 | 7.5  | 39 | 10.1 | 43 | 12.6 |
| 1959                                     | 42 | 9.1  | 41 | 12.4 | 46 | 13.6 |
| 1960                                     | 24 | 4.6  | 33 | 7.8  | 34 | 9.6  |
| 1961                                     | 32 | 7.5  | 40 | 10.0 | 44 | 11.4 |
| 1962                                     | 40 | 10.1 | 49 | 13.3 | 54 | 15.9 |
| 1963                                     | 35 | 6.3  | 42 | 10.0 | 36 | 10.5 |
| 1964                                     | 42 | 9.5  | 45 | 11.8 | 51 | 15.1 |
| Normal                                   |    | 9.8  |    | 12.0 |    | 14.3 |



Depth in Inches (S = Snow, W = Water)

| <u>Year</u>                       | <u>Feb. 1</u> |          | <u>Mar. 1</u> |          | <u>April 1</u> |          |
|-----------------------------------|---------------|----------|---------------|----------|----------------|----------|
|                                   | <u>S</u>      | <u>W</u> | <u>S</u>      | <u>W</u> | <u>S</u>       | <u>W</u> |
| <u>Black Rock (Buffalo River)</u> |               |          |               |          |                |          |
| 1955                              | 36            | 7.8      | 54            | 12.5     | 61             | 18.2     |
| 1956                              | 69            | 21.9     | 85            | 27.5     | 78             | 31.9     |
| 1957                              | 53            | 12.6     | 57            | 16.1     | 65             | 20.5     |
| 1958                              | 52            | 11.8     | 59            | 16.3     | 60             | 19.5     |
| 1959                              | 60            | 15.2     | 72            | 19.9     | 67             | 24.3     |
| 1960                              | 39            | 9.5      | 48            | 13.4     | 57             | 17.4     |
| 1961                              | 41            | 10.1     | 52            | 13.3     | 57             | 17.1     |
| 1962                              | 51            | 14.8     | 68            | 20.2     | 72             | 25.0     |
| 1963                              | 48            | 9.1      | 60            | 15.8     | 52             | 17.3     |
| 1964                              | 56            | 13.5     | 57            | 16.8     | 68             | 22.3     |
| Normal                            |               | 15.7     |               | 19.7     |                | 24.3     |

|                                      |    |      |     |      |    |      |
|--------------------------------------|----|------|-----|------|----|------|
| <u>Togwotee Pass (Buffalo River)</u> |    |      |     |      |    |      |
| 1955                                 | 47 | 11.6 | 75  | 19.4 | 83 | 27.7 |
| 1956                                 | 86 | 29.4 | 108 | 36.2 | 99 | 41.5 |
| 1957                                 | 67 | 16.9 | 73  | 22.6 | 81 | 27.9 |
| 1958                                 | 64 | 15.1 | 70  | 21.5 | 73 | 26.2 |
| 1959                                 | 75 | 20.9 | 87  | 26.8 | 84 | 32.2 |
| 1960                                 | 54 | 14.4 | 64  | 19.1 | 74 | 24.6 |
| 1961                                 | 54 | 15.3 | 67  | 19.0 | 71 | 24.0 |
| 1962                                 | 66 | 21.6 | 86  | 28.3 | 89 | 33.4 |
| 1963                                 | 64 | 13.6 | 77  | 22.0 | 69 | 24.4 |
| 1964                                 | 70 | 18.3 | 70  | 22.1 | 85 | 30.3 |
| Normal                               |    | 20.6 |     | 26.0 |    | 32.1 |

| <u>Year</u>                            | <u>Jan. 1</u> |          | <u>Feb. 1</u> |          | <u>Mar. 1</u> |          | <u>April 1</u> |          |
|----------------------------------------|---------------|----------|---------------|----------|---------------|----------|----------------|----------|
|                                        | <u>S</u>      | <u>W</u> | <u>S</u>      | <u>W</u> | <u>S</u>      | <u>W</u> | <u>S</u>       | <u>W</u> |
| <u>Valley View Ranch (Henrys Fork)</u> |               |          |               |          |               |          |                |          |
| 1955                                   | 12            | 1.2      | 32            | 5.7      | 43            | 8.3      | 44             | 13.3     |
| 1956                                   | 40            | 9.7      | 54            | 13.9     | 57            | 17.1     | 46             | 15.9     |
| 1957                                   | 30            | 6.7      | 44            | 10.5     | 51            | 13.6     | 59             | 18.1     |
| 1958                                   | 28            | 5.2      | 31            | 6.5      | 38            | 9.2      | 42             | 12.5     |
| 1959                                   | 19            | 2.7      | 32            | 6.2      | 47            | 11.6     | 44             | 12.8     |
| 1960                                   | 14            | 1.5      | 24            | 4.4      | 30            | 6.9      | 32             | 8.0      |
| 1961                                   | 25            | 4.8      | 23            | 5.8      | 39            | 10.1     | 42             | 13.4     |
| 1962                                   | 37            | 9.0      | 46            | 12.8     | 54            | 15.8     | 58             | 19.4     |
| 1963                                   | 21            | 4.7      | 31            | 7.6      | 32            | 8.4      | 35             | 9.0      |
| 1964                                   | 22            | 4.6      | 45            | 11.5     | 50            | 14.8     | 58             | 19.4     |
| Normal                                 |               | 5.8      |               | 10.5     |               | 13.8     |                | 16.9     |



Depth in Inches (S = Snow, W = Water)

| Year                              | Jan. 1 |      | Feb. 1 |      | Mar. 1 |      | April 1 |      |
|-----------------------------------|--------|------|--------|------|--------|------|---------|------|
|                                   | S      | W    | S      | W    | S      | W    | S       | W    |
| <u>Big Springs (Henry's Fork)</u> |        |      |        |      |        |      |         |      |
| 1955                              | 22     | 3.3  | 39     | 9.1  | 62     | 16.1 | 61      | 21.9 |
| 1956                              | 44     | 11.8 | 70     | 20.5 | 80     | 23.8 | 58      | 22.7 |
| 1957                              | 37     | 9.5  | 58     | 14.5 | 63     | 22.0 | 71      | 26.6 |
| 1958                              | 43     | 9.2  | 42     | 10.9 | 49     | 14.4 | 53      | 18.0 |
| 1959                              | 22     | 4.3  | 45     | 10.8 | 59     | 16.3 | 55      | 16.9 |
| 1960                              | 13     | 1.5  | 27     | 5.6  | 33     | 10.0 | 34      | 11.0 |
| 1961                              | 31     | 6.8  | 30     | 8.8  | 53     | 16.5 | 56      | 19.8 |
| 1962                              | 49     | 13.5 | 56     | 17.5 | 68     | 22.8 | 69      | 25.6 |
| 1963                              | 15     | 3.2  | 28     | 6.2  | 35     | 9.2  | 32      | 10.4 |
| 1964                              | 26     | 5.8  | 49     | 11.4 | 53     | 14.9 | 65      | 21.8 |
| Normal                            |        | 8.2  |        | 14.5 |        | 20.4 |         | 23.6 |

|                                   |    |      |    |      |    |      |    |      |
|-----------------------------------|----|------|----|------|----|------|----|------|
| <u>Island Park (Henry's Fork)</u> |    |      |    |      |    |      |    |      |
| 1955                              | 10 | 2.4  | 34 | 7.0  | 60 | 12.4 | 52 | 16.2 |
| 1956                              | 36 | 9.0  | 58 | 17.8 | 64 | 19.8 | 48 | 17.0 |
| 1957                              | 31 | 7.2  | 48 | 10.4 | 52 | 15.4 | 58 | 19.4 |
| 1958                              | 37 | 7.1  | 41 | 9.7  | 42 | 11.8 | 44 | 14.4 |
| 1959                              | 16 | 2.1  | 35 | 6.8  | 51 | 13.1 | 44 | 13.7 |
| 1960                              | 14 | 1.5  | 26 | 4.8  | 36 | 7.9  | 30 | 8.9  |
| 1961                              | 27 | 5.5  | 26 | 7.0  | 45 | 12.5 | 45 | 15.0 |
| 1962                              | 40 | 10.2 | 49 | 13.2 | 57 | 17.6 | 62 | 20.3 |
| 1963                              | 14 | 3.0  | 25 | 4.9  | 31 | 7.8  | 30 | 8.8  |
| 1964                              | 23 | 4.5  | 42 | 8.7  | 43 | 11.1 | 51 | 15.9 |
| Normal                            |    | 6.4  |    | 11.3 |    | 15.7 |    | 17.8 |

|                                  |    |      |     |      |     |      |     |      |
|----------------------------------|----|------|-----|------|-----|------|-----|------|
| <u>Grassy Lake (Falls River)</u> |    |      |     |      |     |      |     |      |
| 1955                             | 56 | 11.8 | 59  | 16.4 | 93  | 25.2 | 91  | 34.9 |
| 1956                             | 72 | 22.4 | 107 | 36.8 | 122 | 42.6 | 103 | 46.0 |
| 1957                             | 49 | 15.5 | 92  | 24.0 | 100 | 35.8 | 103 | 40.5 |
| 1958                             | 58 | 15.0 | 71  | 21.0 | 81  | 28.0 | 83  | 32.3 |
| 1959                             | 40 | 12.7 | 73  | 20.2 | 90  | 28.7 | 90  | 23.6 |
| 1960                             | 21 | 3.9  | 52  | 11.7 | 68  | 20.1 | 74  | 25.2 |
| 1961                             | 49 | 13.2 | 46  | 15.1 | 74  | 23.3 | 81  | 28.6 |
| 1962                             | 70 | 20.4 | 77  | 25.6 | 92  | 34.4 | 100 | 39.9 |
| 1963                             | 26 | 7.1  | 54  | 14.3 | 63  | 19.0 | 69  | 22.3 |
| 1964                             | 40 | 10.1 | 74  | 19.7 | 78  | 24.4 | 97  | 33.1 |
| Normal                           |    | 15.4 |     | 22.9 |     | 30.6 |     | 36.7 |

|                                 |    |      |     |      |     |      |     |      |
|---------------------------------|----|------|-----|------|-----|------|-----|------|
| <u>Teton Pass (Teton River)</u> |    |      |     |      |     |      |     |      |
| 1955                            | 32 | 7.9  | 52  | 15.6 | 80  | 18.8 | 91  | 34.0 |
| 1956                            | 86 | 26.5 | 113 | 35.6 | 121 | 42.4 | 116 | 51.2 |
| 1957                            | 45 | 13.8 | 64  | 19.4 | 91  | 28.4 | 98  | 35.1 |
| 1958                            | 76 | 16.1 | 86  | 22.4 | 97  | 30.1 | 101 | 37.4 |
| 1959                            | 44 | 12.3 | 76  | 21.6 | 96  | 29.4 | 102 | 36.9 |
| 1960                            | 26 | 5.0  | 48  | 12.1 | 67  | 20.6 | 82  | 28.1 |
| 1961                            | 47 | 11.8 | 47  | 14.2 | 70  | 20.0 | 75  | 25.7 |
| 1962                            | 65 | 18.3 | 82  | 26.2 | 96  | 32.9 | 110 | 42.1 |
| 1963                            | 23 | 5.8  | 33  | 8.5  | 52  | 16.0 | 65  | 21.3 |
| 1964                            | 33 | 9.0  | 64  | 17.7 | 67  | 21.7 | 85  | 27.7 |
| Normal                          |    | 16.3 |     | 24.5 |     | 31.7 |     | 39.1 |



Depth in Inches (S = Snow, W = Water)

| Year                            | Jan. 1 |     | Feb. 1 |      | Mar. 1 |      | April 1 |      |
|---------------------------------|--------|-----|--------|------|--------|------|---------|------|
|                                 | S      | W   | S      | W    | S      | W    | S       | W    |
| <u>State Line (Teton River)</u> |        |     |        |      |        |      |         |      |
| 1955                            | 17     | 2.0 | 25     | 5.6  | 40     | 8.4  | 43      | 12.4 |
| 1956                            | 33     | 9.6 | 51     | 13.6 | 58     | 17.9 | 49      | 18.9 |
| 1957                            | 29     | 6.2 | 40     | 9.3  | 46     | 12.9 | 49      | 16.6 |
| 1958                            | 45     | 7.9 | 54     | 11.6 | 48     | 14.4 | 46      | 15.8 |
| 1959                            | 22     | 4.9 | 37     | 8.3  | 48     | 12.4 | 48      | 14.2 |
| 1960                            | 15     | 2.0 | 25     | 5.0  | 38     | 9.9  | 36      | 12.4 |
| 1961                            | 29     | 5.3 | 29     | 6.1  | 41     | 9.3  | 35      | 10.9 |
| 1962                            | 35     | 8.1 | 40     | 10.4 | 48     | 14.0 | 48      | 15.5 |
| 1963                            | 9      | 1.9 | 19     | 4.0  | 21     | 5.9  | 23      | 6.5  |
| 1964                            | 21     | 4.0 | 38     | 9.8  | 41     | 12.2 | 50      | 16.8 |
| Normal                          |        | 6.6 |        | 10.6 |        | 13.8 |         | 16.4 |

|                                |    |     |    |      |    |      |    |      |
|--------------------------------|----|-----|----|------|----|------|----|------|
| <u>East Rim (Hoback River)</u> |    |     |    |      |    |      |    |      |
| 1955                           | 9  | 1.2 | 17 | 3.5  | 26 | 9.1  | 33 | 9.1  |
| 1956                           | 32 | 7.8 | 45 | 10.7 | 46 | 12.8 | 51 | 15.9 |
| 1957                           | 21 | 5.2 | 28 | 6.7  | 33 | 9.3  | 36 | 11.1 |
| 1958                           | 28 | 5.9 | 27 | 6.5  | 33 | 8.9  | 36 | 9.9  |
| 1959                           | 22 | 5.7 | 31 | 6.9  | 37 | 10.4 | 36 | 10.3 |
| 1960                           | 8  | 1.1 | 15 | 3.5  | 23 | 4.7  | 26 | 7.6  |
| 1961                           | 15 | 2.7 | 15 | 2.8  | 21 | 4.0  | 24 | 6.5  |
| 1962                           | 32 | 8.2 | 39 | 10.5 | 45 | 11.8 | 51 | 14.4 |
| 1963                           | 7  | 1.0 | 27 | 4.8  | 27 | 5.8  | 26 | 6.7  |
| 1964                           |    |     | 30 | 5.8  | 32 | 7.4  | 41 | 10.0 |
| Normal                         |    | 5.5 |    | 6.4  |    | 10.5 |    | 12.4 |

|                                  |    |     |    |     |    |      |    |      |
|----------------------------------|----|-----|----|-----|----|------|----|------|
| <u>Bryan Flat (Hoback River)</u> |    |     |    |     |    |      |    |      |
| 1955                             | 9  | 1.1 | 15 | 3.0 | 29 | 5.0  | 30 | 8.1  |
| 1956                             | 24 | 6.5 | 39 | 8.1 | 41 | 11.1 | 35 | 11.5 |
| 1957                             | 21 | 4.5 | 28 | 5.8 | 27 | 8.3  | 31 | 9.2  |
| 1958                             | 32 | 6.5 | 32 | 7.6 | 35 | 8.9  | 33 | 10.3 |
| 1959                             | 16 | 3.9 | 26 | 6.0 | 31 | 8.3  | 27 | 9.4  |
| 1960                             | 10 | 1.0 | 14 | 4.6 | 20 | 4.4  | 18 | 5.4  |
| 1961                             | -  | -   | 18 | 4.3 | 23 | 5.3  | 21 | 5.9  |
| 1962                             | -  | -   | 36 | 9.7 | 40 | 11.5 | 42 | 13.3 |
| 1963                             | -  | -   | 13 | 2.3 | 7  | 1.9  | 5  | 1.6  |
| 1964                             |    |     | 26 | 4.7 | 28 | 5.8  | 36 | 8.2  |
| Normal                           |    | 4.5 |    | 7.0 |    | 9.4  |    | 11.2 |

|                                        |   |   |    |      |    |      |    |      |
|----------------------------------------|---|---|----|------|----|------|----|------|
| <u>Gros Ventre (Gros Ventre River)</u> |   |   |    |      |    |      |    |      |
| 1955                                   | - | - | -  | -    | 42 | 9.7  | 42 | 9.8  |
| 1956                                   |   |   | 48 | 13.6 | 51 | 14.5 | 56 | 16.2 |
| 1957                                   |   |   | 31 | 7.1  | 42 | 9.0  | 41 | 12.6 |
| 1958                                   |   |   | 32 | 6.7  | -  | 7.2  | 32 | 8.8  |
| 1959                                   |   |   | -  | -    | 43 | 11.9 | 46 | 13.7 |
| 1960                                   |   |   | 21 | 5.0  | -  | 14.0 | 31 | 9.0  |
| 1961                                   |   |   | 19 | 4.0  | 34 | 8.0  | 37 | 9.8  |
| 1962                                   |   |   | 43 | 12.0 | 54 | 15.0 | 57 | 17.1 |
| 1963                                   |   |   | 37 | 8.5  | 32 | 8.0  | 34 | 9.2  |
| 1964                                   |   |   | 37 | 8.0  | 34 | 8.0  | 49 | 17.2 |
| Normal                                 |   |   |    | 8.1  |    | 12.5 |    | 13.7 |



Depth in Inches (S = Snow, W = Water)

| Year                                   | Jan. 1 |     | Feb. 1 |      | Mar. 1 |      | April 1 |      |
|----------------------------------------|--------|-----|--------|------|--------|------|---------|------|
|                                        | S      | W   | S      | W    | S      | W    | S       | W    |
| <u>Grover Park Divide (Salt River)</u> |        |     |        |      |        |      |         |      |
| 1955                                   | 12     | 2.0 | 21     | 4.9  | 30     | 6.9  | 33      | 9.3  |
| 1956                                   | 27     | 7.1 | 38     | 9.8  | 50     | 13.1 | 53      | 12.1 |
| 1957                                   | 24     | 5.4 | 34     | 7.5  | 33     | 9.9  | 42      | 13.6 |
| 1958                                   | 26     | 6.0 | 41     | 8.4  | 45     | 13.0 | 43      | 14.9 |
| 1959                                   | 21     | 5.2 | 24     | 5.5  | 37     | 9.3  | 32      | 10.2 |
| 1960                                   | 16     | 2.6 | 25     | 5.1  | 39     | 10.5 | 35      | 11.3 |
| 1961                                   | 23     | 5.5 | 21     | 4.6  | 30     | 7.5  | 29      | 7.5  |
| 1962                                   | 30     | 8.1 | 37     | 10.5 | 43     | 12.9 | 40      | 15.0 |
| 1963                                   | 7      | 1.0 | 23     | 5.1  | 30     | 7.4  | 25      | 8.1  |
| 1964                                   | 18     | 3.9 | 30     | 6.7  | 33     | 9.0  | 42      | 13.1 |
| Normal                                 |        | 4.8 |        | 7.9  |        | 10.0 |         | 11.9 |

|                                   |    |     |    |      |    |      |    |      |
|-----------------------------------|----|-----|----|------|----|------|----|------|
| <u>CCC Camp FF12 (Salt River)</u> |    |     |    |      |    |      |    |      |
| 1955                              | 18 | 3.0 | 24 | 5.0  | 40 | 7.6  | 40 | 10.8 |
| 1956                              | 27 | 7.2 | 46 | 10.5 | 51 | 13.2 | 39 | 12.1 |
| 1957                              | 29 | 6.5 | 33 | 7.8  | 40 | 11.4 | 46 | 14.9 |
| 1958                              | 26 | 6.0 | 37 | 7.9  | 35 | 10.7 | 37 | 12.4 |
| 1959                              | 24 | 5.8 | 24 | 5.9  | 38 | 9.3  | 33 | 10.7 |
| 1960                              | 15 | 2.6 | 24 | 5.0  | 38 | 9.3  | 26 | 9.6  |
| 1961                              | 25 | 5.3 | 24 | 4.8  | 28 | 6.5  | 30 | 6.9  |
| 1962                              | 31 | 7.0 | 36 | 9.3  | 45 | 11.7 | 40 | 11.5 |
| 1963                              | 8  | 1.6 | 22 | 5.0  | 28 | 7.8  | 27 | 8.5  |
| 1964                              | 20 | 4.0 | 36 | 8.0  | 38 | 9.6  | 45 | 13.5 |
| Normal                            |    | 4.9 |    | 8.3  |    | 10.4 |    | 12.3 |

|                                       |    |      |    |      |    |      |    |      |
|---------------------------------------|----|------|----|------|----|------|----|------|
| <u>Salt River Summit (Salt River)</u> |    |      |    |      |    |      |    |      |
| 1955                                  | 21 | 3.1  | 25 | 5.2  | 45 | 7.9  | 44 | 12.1 |
| 1956                                  | 37 | 10.1 | 59 | 14.8 | 66 | 18.2 | 50 | 18.5 |
| 1957                                  | 36 | 7.3  | 39 | 10.0 | 50 | 14.6 | 54 | 18.6 |
| 1958                                  | 35 | 7.8  | 44 | 9.9  | 51 | 16.1 | 49 | 16.1 |
| 1959                                  | 27 | 6.7  | 30 | 7.4  | 45 | 11.6 | 42 | 14.3 |
| 1960                                  | 15 | 2.0  | 26 | 5.0  | 41 | 10.1 | 35 | 12.3 |
| 1961                                  | 31 | 7.3  | 30 | 6.6  | 38 | 8.7  | 36 | 10.0 |
| 1962                                  | 40 | 8.7  | 44 | 13.0 | 57 | 14.9 | 55 | 19.4 |
| 1963                                  | 11 | 2.0  | 29 | 4.9  | 41 | 10.4 | 38 | 11.8 |
| 1964                                  | 24 | 5.4  | 45 | 10.3 | 43 | 12.5 | 54 | 16.6 |
| Normal                                |    | 6.1  |    | 10.2 |    | 13.3 |    | 16.1 |

|                                     |    |     |    |      |    |      |    |      |
|-------------------------------------|----|-----|----|------|----|------|----|------|
| <u>Greys Boundary (Greys River)</u> |    |     |    |      |    |      |    |      |
| 1955                                | 20 | 1.9 | 24 | 5.5  | 38 | 7.9  | 35 | 11.1 |
| 1956                                | 19 | 4.5 | 38 | 7.8  | 44 | 11.5 | 30 | 10.8 |
| 1957                                | 22 | 4.2 | 30 | 6.3  | 28 | 8.5  | 32 | 12.4 |
| 1958                                | 36 | 6.9 | 45 | 10.2 | 41 | 13.5 | 35 | 12.2 |
| 1959                                | 16 | 4.7 | 23 | 6.2  | 37 | 11.0 | 36 | 11.9 |
| 1960                                | 9  | 1.9 | 24 | 5.0  | 37 | 9.2  | 27 | 10.5 |
| 1961                                | 22 | 5.3 | 21 | 3.9  | 26 | 6.9  | 25 | 7.5  |
| 1962                                | 30 | 6.8 | 39 | 9.5  | 42 | 10.9 | 39 | 13.2 |
| 1963                                | T  | 0   | 20 | 4.5  | 12 | 3.3  | T  | 0    |
| 1964                                | 24 | 4.2 | 39 | 9.8  | 40 | 11.6 | 51 | 15.1 |
| Normal                              |    | 5.1 |    | 7.9  |    | 10.6 |    | 11.9 |



On April 1, 1964, the snow (water content) was the following average percent of normal: above Jackson Lake 86%, Moran to Heise 101%, Island Park 98%, Falls River 90%, Teton River 80%.

Comparable figures for run-off during the year ending September 30, 1964, as percent of normal were: Snake River at Moran 98%, Snake River near Heise 105%, Henrys Fork near Ashton 112%, Falls River near Squirrel 104%, Teton River near St. Anthony 120%.

Precipitation for October, December, February, August, and September was below normal. For all other months it was above normal.

The following tables show forecasts of streamflow made last spring compared to observed run-off:

Forecasts by Soil Conservation Service - April 1, 1964

|                             | Runoff in acre-feet - April thru Sept. |                  |                     |
|-----------------------------|----------------------------------------|------------------|---------------------|
|                             | <u>Forecast</u>                        | <u>Observed*</u> | <u>% difference</u> |
| Snake River at Moran        | 750,000                                | 861,600          | -13.0               |
| Snake River near Heise      | 3,600,000                              | 4,142,000        | -13.1               |
| Salt River near Etna        | 335,000                                | 444,300          | -24.7               |
| Henrys Fork near Ashton     | 640,000                                | 685,500          | - 6.6               |
| Teton River nr. St. Anthony | 400,000                                | 504,000**        | -20.7               |

\* Corrected for storage in upstream reservoirs.

\*\* Corrected for inflow from Cross-Cut Canal.

Forecasts by U. S. Weather Bureau - April 1, 1964

| <u>Station</u>           | <u>Period</u> | <u>Runoff in acre-feet</u> |                  |                     |
|--------------------------|---------------|----------------------------|------------------|---------------------|
|                          |               | <u>Forecast</u>            | <u>Observed*</u> | <u>% difference</u> |
| Snake R. at Moran        | Apr.-Sept.    | 884,000                    | 861,600          | +2.6                |
| Snake R. nr. Heise       | Apr.-Sept.    | 4,020,000                  | 4,142,000        | -3.0                |
| Salt R. nr. Etna         | Oct.-Sept.    | 494,000                    | 619,400          | -20.3               |
| Henrys Fork nr. Ashton   | Oct.-Sept.    | 1,030,000                  | 1,105,000        | -6.8                |
| Henrys Fork nr. Rexburg  | Oct.-Sept.    | 2,020,000                  | 2,527,000**      | -20.0               |
| Falls R. nr. Squirrel    | Oct.-Sept.    | 587,000                    | 568,800          | +3.2                |
| Teton R. nr. St. Anthony | Oct.-Sept.    | 595,000                    | 658,600          | -9.7                |

\* Corrected for storage in upstream reservoirs.

\*\* Corrected for diversions.



The heavy May and June precipitation produced substantially greater runoff than most forecasts had indicated.

1964 REGULATION SCHEDULE

|         |                                                                 |
|---------|-----------------------------------------------------------------|
| July 16 | Cut off rights earlier than January 22, 1916 in upper valley    |
| 20      | Cut off January 22, 1916 priorities                             |
| 22      | Filled part of March 26, 1903 right                             |
| 23      | Cut off October 11, 1900 rights above Blackfoot                 |
| 27      | Cut off 50% April 1, 1898 rights on Snake River and Teton River |
| 29      | Cut off April 1, 1898 rights on Snake River and Teton River     |
| 31      | Cut off 1896 rights                                             |
| Aug. 5  | Cut off November 5, 1895 rights                                 |
| 6       | Cut off June 14, 1895 rights                                    |
| 7       | Cut off March 22, 1895 rights                                   |
| 12      | Filled 50% February 6, 1895 rights                              |
| 19      | Cut off February 6, 1895 rights                                 |
| 26      | Filled 50% August 18, 1894 rights                               |
| 31      | Restored all 1895 rights                                        |
| Sept. 4 | Cut off March 22, 1895 rights                                   |
| 8       | Filled 20% February 6, 1895 rights                              |
| 9       | Cut off August 18, 1894 rights                                  |
| 10      | Cut off June 1, 1892 rights                                     |
| 18      | Cut off April 28, 1892 rights                                   |
| 21      | Restored all 1892 rights                                        |
| 23      | Restored June 1, 1894 rights                                    |
| 25      | Restored all 1894 rights                                        |
| 28      | Filled 20% February 6, 1895 rights                              |
| Oct. 1  | Restored all rights above Blackfoot                             |

Delivery of stored water to lower valley canals continued through October 17.

Storage use charges started July 9 at Minidoka and on July 10 at Milner.

Storage releases from Island Park started July 19, from Henrys Lake July 20, and from Grassy Lake July 22.



## WATER SUPPLY

Runoff in acre-feet at various gaging stations during the year ending September 30, 1964, was as follows:

| <u>Station</u>               | <u>1964<br/>Runoff</u> | <u>Average<br/>runoff<br/>past years</u> | <u>Years<br/>of<br/>Record</u> | <u>1964<br/>% of<br/>Average</u> |
|------------------------------|------------------------|------------------------------------------|--------------------------------|----------------------------------|
| Snake River at Moran         | 1,016,000              | 1,036,000                                | 61                             | 98                               |
| Snake River near Heise       | 5,192,000              | 4,935,000                                | 54                             | 105                              |
| Snake River at Neeley        | 5,549,000              | 4,861,000                                | 38                             | 114                              |
| Falls River near Squirrel    | 568,800                | 544,900                                  | 50                             | 104                              |
| Teton River near St. Anthony | 646,900                | 539,600                                  | 31                             | 120                              |
| Henrys Fork near Ashton      | 1,104,000              | 989,500                                  | 44                             | 112                              |
| Henrys Fork near Rexburg     | 1,537,000              | 1,374,000                                | 55                             | 112                              |

The runoff at Moran has been corrected for Jackson Lake holdovers; near Heise for Jackson Lake and Palisades holdovers; at Neeley for Palisades and American Falls holdovers; at Squirrel for Grassy Lake holdovers; at Ashton for Island Park and Henrys Lake holdovers; at Rexburg for Grassy Lake, Island Park and Henrys Lake holdovers; at St. Anthony for Cross Cut Canal discharge into Teton River.

Runoff was above normal for all stations except Snake River at Moran.

Peak daily discharges were as follows:

|                                |                       |
|--------------------------------|-----------------------|
| Snake River at Moran           | 5,350 cfs on July 3   |
| Snake River near Heise         | 20,900 cfs on July 3  |
| Snake River near Blackfoot     | 24,600 cfs on June 22 |
| Henrys Fork near Rexburg       | 11,000 cfs on June 20 |
| Teton River near St. Anthony   | 5,000 cfs on June 19  |
| Blackfoot River near Blackfoot | 1,120 cfs on May 17   |
| Snake River at Milner          | 20,800 cfs on June 24 |

Minor flooding occurred along Teton River and there was some flooding from seepage from the river in the Menan area.

Annual reservoir holdovers on September 30 during the past ten years are shown in the following tabulation:



Holdovers on September 30 in thousands of acre-feet

| <u>Year</u> | <u>Jackson Lake</u> | <u>Palisades</u> | <u>American Falls</u> | <u>Lake Walcott</u> | <u>Henrys Lake</u> | <u>Island Park</u> | <u>Grassy Lake</u> | <u>Total</u> |
|-------------|---------------------|------------------|-----------------------|---------------------|--------------------|--------------------|--------------------|--------------|
| 1955        | 192.8               |                  | 264                   | 93.6                | 50.4               | 27.1               | 11.2               | 639.1        |
| 1956        | 369.7               |                  | 623                   | 94.5                | 68.9               | 80.0               | 13.1               | 1,249.2      |
| 1957        | 615.8               | 423              | 293                   | 92.2                | 68.8               | 50.1               | 11.9               | 1,554.8      |
| 1958        | 497.3               | 535              | 256                   | 21.3                | 54.7               | 17.2               | 9.3                | 1,390.8      |
| 1959        | 551.3               | 449              | 90                    | 95.2                | 63.1               | 19.8               | 6.4                | 1,274.8      |
| 1960        | 375.0               | 42               | 14                    | 32.8                | 45.5               | 12.8               | 4.5                | 526.6        |
| 1961        | 3.3                 | 294              | 101                   | 57.2                | 38.8               | 13.6               | 5.6                | 513.5        |
| 1962        | 525.4               | 770              | 265                   | 92.5                | 67.5               | 65.0               | 11.3               | 1,796.7      |
| 1963        | 611.9               | 696              | 353                   | 87.0                | 64.1               | 33.5               | 6.3                | 1,851.8      |
| 1964        | 588.4               | 849              | 475                   | 89.8                | 62.8               | 68.7               | 10.4               | 2,144.1      |
| Av.         | 433.1               | 406              | 273                   | 75.6                | 58.5               | 38.8               | 9.0                | 1,294.0      |

Palisades figures are after deducting 200,000 acre-feet dead storage. The usable capacity of the above reservoirs is 4,072,000 acre-feet. The 1964 holdover is the greatest of record.

CHANGES IN POINT OF DIVERSION

Change in Point of Diversion No. 265

A. E. (Bud) Saxton, 2.0 cfs March 6, 1885, and 0.55 cfs July 15, 1888 from Watson Slough Ditch Co. to Parsons Ditch.

Change in Point of Diversion No. 267

Cleo G. Newsome, 1.6 cfs March 6, 1885, from Watson Slough Ditch Co. to Parsons Ditch.

Change in Point of Diversion No. 273

Norman Peterson, Charles H. Moses, and Vear Ellis, 2.5 cfs July 23, 1886, and 2.0 cfs June 1, 1888 from Danskin Ditch to Wearyrick Ditch.

TRANSFERS

Transfer No. 1025

Transfers ownership and place of use of former C. W. Burke water but all remaining in the New Sweden system.

Transfer No. 1034

0.79 cfs June 11, 1880 from Coy Ditch to New Sweden Irrigation District.



## LITIGATION

None.

## COMMUNITY LATERAL MANAGERS

None.

## CANAL DELIVERIES

Daily diversions from Snake River by canals above American Falls reservoir during the 1964 irrigation season are shown on Plates 6-10. Daily diversions for canals below American Falls are shown on Plates 57-69. Miscellaneous measurements of various canals and streams in the headwater areas are shown on Plate 24.

Total diversions during the 1964 irrigation season by all canals in the district, including headwater areas, as tabulated in the annual watermaster bill, amounted to 7,459,000 acre-feet. This is almost the same as in 1963.

### Diversions during 1964 irrigation season by Snake River Canals (downstream order from Heise)

(May thru September for upper valley canals, April 15 to Sept. 30  
for lower valley canals)

| Canal                      | Diversions<br>(acre-feet) | Acres<br>Irrigated | Acre-feet<br>per acre |
|----------------------------|---------------------------|--------------------|-----------------------|
| Riley                      | 4,270                     | 900                | 4.7                   |
| Progressive Irr. Dist.     | 202,200 (a)               | 32,000             | 6.3                   |
| Farmers Friend             | 88,760                    | 10,400             | 8.5                   |
| Enterprise Canal           | 38,110                    | 5,000              | 7.6                   |
| Nelson                     | 630                       | 56                 | 11.2                  |
| Mattson Craig & Arnsberger | 3,280                     | 500                | 6.6                   |
| Ross & Rand                | 780                       | 145                | 5.4                   |
| Butler Island              | 12,750                    | 1,280              | 10.0                  |
| Steele                     | 1,610                     | 220                | 7.3                   |
| Harrison                   | 128,300                   | 13,000             | 9.9                   |
| Cheney                     | 1,350                     | 130                | 10.4                  |
| Rudy Irr. Co.              | 58,640                    | 5,000              | 11.7                  |
| Kite & Nord                | 1,550                     | 200                | 7.8                   |
| Burgess                    | 239,300                   | 22,000             | 10.9                  |
| Clark & Edwards            | 20,950                    | 1,800              | 11.6                  |
| Lowder                     | 12,160                    | 1,000              | 12.2                  |
| East Labelle               | 32,470                    | 3,000              | 10.8                  |
| Sunnydell                  | 38,260                    | 3,960              | 9.7                   |
| Lenroot                    | 38,840                    | 3,400              | 11.4                  |



Diversions by Snake River canals, 1964 - continued

| Canal                    | Diversions<br>(acre-feet) | Acres<br>Irrigated | Acre-feet<br>per acre |
|--------------------------|---------------------------|--------------------|-----------------------|
| Reid                     | 46,710                    | 5,500              | 8.5                   |
| Texas Feeder             | 72,580                    | 9,000              | 8.1                   |
| Nelson Corey             | 1,300                     | 400                | 3.3                   |
| Hill Pettinger           | 970                       | 200                | 4.8                   |
| Rigby                    | 44,370                    | 4,000              | 11.1                  |
| Dilts                    | 6,550                     | 560                | 11.7                  |
| Island                   | 46,270                    | 4,000              | 11.5                  |
| W. Labelle & Long Island | 122,200                   | 11,500             | 10.6                  |
| Parks & Lewisville       | 77,670                    | 7,500              | 10.4                  |
| North Rigby              | 14,290                    | 1,400              | 10.2                  |
| White                    | 950                       | 110                | 8.6                   |
| Ellis                    | 510                       | 80                 | 6.4                   |
| Bramwell                 | 1,910                     | 350                | 5.5                   |
| Butte & Market Lake      | 82,710                    | 20,000             | 4.1                   |
| Osgood                   | 15,480 (d)                | 5,820              | 2.7                   |
| Bear Island & Smith      | 780                       | 330                | 2.4                   |
| Idaho                    | 246,200 (a)               | 35,920             | 6.9                   |
| Kennedy                  | 9,530                     | 2,700              | 3.5                   |
| Great Western & Porter   | 211,400                   | 30,320 (b)         | 7.0                   |
| Kellar                   | 95                        | 20                 | 4.8                   |
| Woodville                | 25,380                    | 2,500              | 10.1                  |
| Snake River Valley       | 183,300 (a)               | 21,520             | 8.5                   |
| Reservation              | 88,290 (c)                | 40,930             | 2.2                   |
| Blackfoot                | 80,920                    | 15,000             | 5.4                   |
| New Lava Side            | 36,930                    | 6,000              | 6.2                   |
| Peoples                  | 112,700                   | 20,000             | 5.6                   |
| Aberdeen                 | 321,800                   | 63,000             | 5.1                   |
| Corbett                  | 45,960                    | 6,000              | 7.7                   |
| Nielsen-Hansen           | 2,590                     | 460                | 5.6                   |
| Riverside                | 33,840                    | 4,500              | 7.5                   |
| Danskin                  | 49,460                    | 6,000              | 8.2                   |
| Trego                    | 16,640                    | 1,800              | 9.2                   |
| Wearyrick                | 13,280                    | 1,600              | 8.3                   |
| Watson                   | 28,740                    | 3,000              | 9.6                   |
| Parsons                  | 12,510                    | 1,400              | 8.9                   |
| Fort Hall Michaud Canal  | 5,450 (e)                 | 5,065 (e)          | 1.1                   |
| Michaud (Falls Irrig.)   | 19,350 (d)                | 6,068 (d)          | 3.2                   |
| Minidoka Irr. Dist.      | 458,840                   | 72,050             | 6.4                   |
| Burley Irr. Dist.        | 266,030                   | 43,000             | 6.2                   |
| Minidoka North Side Pump | 51,760                    | 14,568             | 3.6                   |
| Twin Falls Canal Co.     | 1,068,000                 | 202,700            | 5.3                   |
| North Side Canal Co.     | 1,101,000                 | 159,400            | 6.9                   |
| Milner Low Lift          | 61,430                    | 13,750             | 4.5                   |
| Gooding                  | 444,600                   | 64,000             | 6.9                   |
| Total                    | 6,455,485                 | 1,017,922          | 6.3                   |

(a) Received additional water from Willow and Sand Creeks

(b) Includes 7,600 acres outside New Sweden District to which water was delivered.

(c) Received additional water from Sand Creek & Blackfoot R.

(d) Received additional water from wells.

(e) An additional 2,675 acre-feet was pumped from wells for irrigation of another 1,347 acres.



These main river canals diverted about 3% more water than in 1963. Both lower and upper valley diversions were about 3% greater than for 1963.

Of the 3,452,000 acre-feet diverted by lower valley canals (below Neeley), 1,484,000 acre-feet or 43% was stored water. Upper valley main canals diverted 3,003,000 acre-feet, of which 401,000 acre-feet or 13% was stored water.

The following tabulation shows the monthly diversions in various sections of the District during the past ten years:

Diversions in Thousands of Acre-feet  
Heise to Blackfoot

| <u>Year</u> | <u>May</u> | <u>June</u> | <u>July</u> | <u>Aug.</u> | <u>Sept.</u> | <u>Season</u> |
|-------------|------------|-------------|-------------|-------------|--------------|---------------|
| 1955        | 337        | 645         | 770         | 646         | 468          | 2,866         |
| 1956        | 544        | 748         | 841         | 680         | 543          | 3,356         |
| 1957        | 172        | 665         | 854         | 727         | 551          | 2,969         |
| 1958        | 509        | 733         | 811         | 597         | 435          | 3,085         |
| 1959        | 580        | 788         | 814         | 690         | 519          | 3,391         |
| 1960        | 592        | 791         | 825         | 615         | 487          | 3,310         |
| 1961        | 584        | 746         | 711         | 521         | 292          | 2,854         |
| 1962        | 530        | 749         | 837         | 703         | 557          | 3,376         |
| 1963        | 303        | 553         | 907         | 668         | 476          | 2,907         |
| 1964        | 277        | 560         | 869         | 717         | 556          | 2,979         |
| Average     | 443        | 698         | 824         | 656         | 488          | 3,109         |

Henrys Fork and Tributaries  
(excluding headwater areas)

|         |     |     |     |     |     |       |
|---------|-----|-----|-----|-----|-----|-------|
| 1955    | 153 | 249 | 229 | 177 | 128 | 936   |
| 1956    | 202 | 259 | 239 | 187 | 128 | 1,015 |
| 1957    | 152 | 248 | 262 | 212 | 134 | 1,008 |
| 1958    | 209 | 247 | 231 | 177 | 114 | 978   |
| 1959    | 223 | 270 | 233 | 190 | 130 | 1,046 |
| 1960    | 216 | 261 | 221 | 178 | 132 | 1,008 |
| 1961    | 170 | 247 | 174 | 138 | 75  | 804   |
| 1962    | 235 | 261 | 221 | 196 | 140 | 1,053 |
| 1963    | 174 | 207 | 250 | 189 | 115 | 935   |
| 1964    | 163 | 212 | 256 | 203 | 144 | 978   |
| Average | 190 | 246 | 232 | 185 | 124 | 977   |

Figures are after deduction for water spilled from Cross Cut Canal into Teton River.



### Minidoka Project

| <u>Year</u> | <u>April</u> | <u>May</u> | <u>June</u> | <u>July</u> | <u>Aug.</u> | <u>Sept.</u> | <u>Season</u> |
|-------------|--------------|------------|-------------|-------------|-------------|--------------|---------------|
| 1955        | 14           | 142        | 142         | 176         | 157         | 107          | 738           |
| 1956        | 70           | 149        | 148         | 183         | 159         | 91           | 800           |
| 1957        | 25           | 117        | 155         | 185         | 162         | 109          | 753           |
| 1958        | 22           | 174        | 149         | 181         | 167         | 96           | 789           |
| 1959        | 74           | 119        | 166         | 183         | 159         | 85           | 786           |
| 1960        | 46           | 162        | 165         | 188         | 157         | 109          | 827           |
| 1961        | 21           | 169        | 156         | 175         | 134         | 28           | 683           |
| 1962        | 30           | 122        | 140         | 189         | 163         | 111          | 755           |
| 1963        | 18           | 116        | 114         | 191         | 160         | 89           | 688           |
| 1964        | 5            | 133        | 97          | 200         | 178         | 112          | 725           |
| Average     | 32           | 140        | 143         | 185         | 160         | 94           | 754           |

### North Side Canal Co. Project

|         |     |     |     |     |     |     |       |
|---------|-----|-----|-----|-----|-----|-----|-------|
| 1955    | 33  | 187 | 227 | 233 | 233 | 183 | 1,096 |
| 1956    | 83  | 208 | 211 | 236 | 225 | 169 | 1,132 |
| 1957    | 58  | 194 | 213 | 240 | 232 | 176 | 1,113 |
| 1958    | 61  | 208 | 214 | 243 | 230 | 168 | 1,124 |
| 1959    | 106 | 181 | 201 | 234 | 223 | 142 | 1,087 |
| 1960    | 76  | 194 | 206 | 240 | 226 | 170 | 1,112 |
| 1961    | 84  | 185 | 147 | 196 | 159 | 60  | 831   |
| 1962    | 70  | 190 | 202 | 247 | 236 | 191 | 1,136 |
| 1963    | 71  | 183 | 193 | 246 | 230 | 168 | 1,091 |
| 1964    | 42  | 186 | 201 | 247 | 244 | 192 | 1,112 |
| Average | 68  | 192 | 202 | 236 | 224 | 162 | 1,084 |

### Twin Falls Project

|         |     |     |     |     |     |     |       |
|---------|-----|-----|-----|-----|-----|-----|-------|
| 1955    | 40  | 187 | 203 | 220 | 225 | 170 | 1,045 |
| 1956    | 104 | 207 | 198 | 225 | 213 | 154 | 1,101 |
| 1957    | 61  | 192 | 196 | 225 | 218 | 157 | 1,049 |
| 1958    | 85  | 209 | 196 | 225 | 215 | 144 | 1,074 |
| 1959    | 118 | 185 | 190 | 222 | 213 | 128 | 1,056 |
| 1960    | 95  | 207 | 201 | 227 | 215 | 160 | 1,105 |
| 1961    | 108 | 194 | 190 | 228 | 204 | 110 | 1,034 |
| 1962    | 98  | 196 | 191 | 232 | 223 | 181 | 1,121 |
| 1963    | 76  | 193 | 186 | 238 | 220 | 162 | 1,075 |
| 1964    | 41  | 197 | 185 | 239 | 233 | 178 | 1,073 |
| Average | 83  | 197 | 194 | 228 | 218 | 154 | 1,074 |

### Gooding Project

|         |    |    |    |     |    |    |     |
|---------|----|----|----|-----|----|----|-----|
| 1955    | 14 | 80 | 94 | 97  | 96 | 79 | 460 |
| 1956    | 22 | 83 | 85 | 99  | 90 | 72 | 451 |
| 1957    | 11 | 74 | 88 | 99  | 91 | 75 | 438 |
| 1958    | 23 | 78 | 91 | 99  | 94 | 76 | 461 |
| 1959    | 27 | 78 | 82 | 93  | 85 | 68 | 433 |
| 1960    | 21 | 89 | 91 | 99  | 89 | 63 | 452 |
| 1961    | 16 | 82 | 77 | 84  | 79 | 18 | 356 |
| 1962    | 22 | 83 | 87 | 102 | 99 | 85 | 478 |
| 1963    | 15 | 75 | 82 | 101 | 94 | 81 | 448 |
| 1964    | 2  | 76 | 90 | 102 | 97 | 79 | 446 |
| Average | 17 | 80 | 87 | 98  | 91 | 70 | 443 |



Diversions through June were considerably below the average. Those for July and August were among the highest of record. Totals for the season were about the same as a year ago. Weather remained dry and diversions continued throughout October 1964.

Ground water, both east and west of Rigby, reached fairly high levels in August and September. It was not as serious as in 1962.

#### RIVER DATA

The usual methods of segregating stored water and normal flow at the reservoir outlets was continued in use during 1964. Palisades reservoir was operated on the same basis as Jackson Lake, namely, convert the daily drop in Lake level to second-feet and call it storage released from Palisades. Owing to occasional wind effect on the Lake levels it was necessary to adjust the computed quantities over short periods to avoid unwarranted fluctuations in the computed normal flow at reservoir outlet. For some time after storage draft started a lag of several days was maintained in making normal flow cuts to avoid any possible natural flow losses at the high lake levels existing at Palisades and Jackson Lake. This was continued until about 10,000 acre-feet of stored water was used in maintaining natural flow rights. Later on in the season when dropping Lake and river levels resulted in bank storage return this water was gradually recovered for credit as stored water so that it balanced out by the end of the irrigation season.

Subtotals on Plate 12A show theoretical storage balance at Blackfoot for period July 12 to Aug. 17, of 44,975 cfs and actual stored of 42,849 cfs. The difference is 2,126 cfs days or 4,217 acre-feet which is a part of the above 10,000 acre-feet of stored



water used to maintain normal flow. This difference was offset later in the season when normal flow was delivered to storage rights.

Daily figures showing segregation of flow at the various river gaging stations and storage diversions by canals are shown on Plates 12, 12A and 13 for Snake River and Plate 21 for Henrys Fork.

The net total of stored water passing the Blackfoot gaging station during the irrigation season was 215,066 acre-feet. This was for a 94-day period and is much larger than in many years. This would average about 1,150 cfs of stored water per day. With the large reservoir holdovers in 1964 this extra spill should have no effect on 1965 reservoir filling.

Summer discharge of Blackfoot River at mouth was greater than usual. The Indian Service 1891 decree was never cut and their Blackfoot Reservoir holdover on September 30 was 267,000 acre-feet.

A number of canals were bothered with moss growth during the 1964 season. The Aberdeen canal reported an overall loss of 35.6% compared to 38.1% in 1962 and 40.1% in 1963.

#### STORED WATER DELIVERIES

##### Reservoir Allotments

##### American Falls

American Falls contents on July 8                      1,706,000 acre-feet  
All rights were filled 100% requiring an allotment of 1,700,000  
acre-feet.

##### Jackson Lake

Jackson Lake was filled to capacity until July 8. All rights  
were 100% filled requiring an allotment of 847,000 acre-feet.



Palisades Reservoir

Palisades Reservoir usable contents on July 9 was 1,205,000 acre-feet. All rights were 100% filled requiring an allotment of 1,200,000 acre-feet.

1964 Storage allotments in Acre-feet  
(Downstream order from Heise)

| <u>Canal</u>                 | <u>American Falls</u> | <u>Jackson Lake</u> | <u>Palisades</u> | <u>Total</u> |
|------------------------------|-----------------------|---------------------|------------------|--------------|
| Poplar Irrigation Dist.      | 673                   | 1,589               | 1,500            | 3,812        |
| Progressive Irr. Dist.       | 12,485                | 7,209               | 28,500           | 48,194       |
| Farmers Friend               |                       | 2,000               | 9,400            | 11,400       |
| Enterprise Canal Co.         | 8,923                 | 11,252              | 19,600           | 39,775       |
| Mattson Craig                |                       |                     | 1,440            | 1,440        |
| Butler Island                |                       |                     | 250              | 250          |
| Harrison                     | 12,025                | 11,943              | 23,500           | 47,468       |
| Rudy                         | 2,649                 | 3,530               | 15,700           | 21,879       |
| Burgess                      | 9,496                 | 10,603              | 31,400           | 51,499       |
| Clark & Edwards              |                       |                     | 800              | 800          |
| Lowder                       |                       | 1,040               | 1,600            | 2,640        |
| East Labelle                 |                       |                     | 800              | 800          |
| Sunnydell                    |                       | 4,000               | 6,300            | 10,300       |
| Lenroot                      | 3,868                 | 5,234               | 7,850            | 16,952       |
| Reid                         | 2,549                 | 1,472               | 3,150            | 7,171        |
| Texas & Liberty Park         |                       |                     | 4,700            | 4,700        |
| Enterprise Irr. Dist. (N.F.) | 10,188                | 5,883               |                  | 16,071       |
| Fremont-Madison Irr. Dist.   |                       |                     | 1,000            | 1,000        |
| Rigby                        |                       |                     | 6,300            | 6,300        |
| Island                       |                       |                     | 4,700            | 4,700        |
| Dilts                        | 886                   | 511                 | 1,200            | 2,597        |
| West Labelle                 |                       |                     | 1,000            | 1,000        |
| Long Island                  |                       |                     | 5,000            | 5,000        |
| Parks & Lewisville           |                       |                     | 5,500            | 5,500        |
| North Rigby                  |                       |                     | 1,200            | 1,200        |
| Butte & Market Lake          | 4,666                 | 2,695               | 44,000           | 51,361       |
| Osgood (U.I.S.Co.)           | 13,459                | 7,771               | 15,250           | 36,480       |
| Bear Island                  | 191                   | 110                 |                  | 301          |
| Sakaguchi (Smith & Kennedy)  | 71                    | 91                  |                  | 162          |
| Clement Bros (Kennedy)       | 0                     | 105                 | 0                | 105          |
| Owners Mutual                | 0                     | 200                 | 290              | 490          |
| Shattuck Irrigation          | 0                     | 0                   | 3,900            | 3,900        |
| Idaho                        | 22,911                | 13,230              | 58,800           | 94,941       |
| Martin                       | 2,006                 | 2,659               | 5,600            | 10,265       |
| New Sweden Irr. Dist.        | 25,731                | 19,857              | 31,400           | 76,988       |
| West Side Mutual             |                       |                     | 2,350            | 2,350        |
| Woodville                    | 6,047                 | 3,491               | 6,000            | 15,538       |
| Snake River Valley           | 26,367                | 30,225              | 35,300           | 91,892       |
| Palisades Water Users        |                       |                     | 50,230           | 50,230       |



Storage allotments - continued

| <u>Canal</u>             | <u>American Falls</u> | <u>Jackson Lake</u> | <u>Palisades</u> | <u>Total</u> |
|--------------------------|-----------------------|---------------------|------------------|--------------|
| Blackfoot                | 12,763                | 7,370               | 4,050            | 24,183       |
| New Lava Side            |                       |                     | 11,750           | 11,750       |
| Peoples                  | 21,415                | 20,365              | 35,000           | 76,780       |
| Aberdeen                 | 55,591                | 74,626              | 152,800          | 283,017      |
| Corbett                  | 3,396                 | 1,961               | 6,300            | 11,657       |
| Riverside                |                       |                     | 1,500            | 1,500        |
| Danskin                  |                       |                     | 2,350            | 2,350        |
| Trego                    | 1,314                 | 758                 | 3,200            | 5,272        |
| Wearyrick                |                       |                     | 600              | 600          |
| Watson                   |                       |                     | 2,350            | 2,350        |
| Parsons                  |                       |                     | 700              | 700          |
| Total above Blackfoot    | 259,670               | 251,780             | 656,160          | 1,167,610    |
| Michaud (Indian Service) | 47,700                |                     | 83,900           | 131,600      |
| Falls Irrig. Dist.       | 23,300                |                     | 40,900           | 64,200       |
| Minidoka Irrig. Dist.    | 83,563                | 186,030             | 35,000           | 304,593      |
| Burley Irrig. Dist.      | 157,942               |                     | 39,200           | 197,142      |
| Minidoka N. S. Pump      | 47,593                |                     | 90,800           | 138,393      |
| Milner Low Lift          | 45,687                |                     | 27,500           | 73,187       |
| Twin Falls Canal Co.     | 151,185               | 97,183              |                  | 248,368      |
| Hillsdale                | 41,146                |                     |                  | 41,146       |
| North Side Canal Co.     | 397,214               | 312,007             | 116,600          | 825,821      |
| Gooding                  | 400,000               |                     | 1,000            | 401,000      |
| Idaho Power Co.          | 45,000                |                     |                  | 45,000       |
| City of Pocatello        |                       |                     | 50,000           | 50,000       |
| Westvaco                 |                       |                     | 5,000            | 5,000        |
| J. R. Simplot            |                       |                     | 2,500            | 2,500        |
| U. S.                    |                       |                     | *51,440          | 51,440       |
| Total below Blackfoot    | 1,440,330             | 595,220             | 543,840          | 2,579,390    |
| Grand Total              | 1,700,000             | 847,000             | 1,200,000        | 3,747,000    |

\* Wyoming 33,000; Milner Low Lift allocated 17,000;  
Salmon Falls 1,000; contingencies 440.

The storage rental committee consisting of E. H. Neal, Leonard Graham, and H. C. Eagle supervised water rentals.

Summary of Water District No. 36 Rentals - 1964

| <u>Sources</u>         |              | <u>Rentals</u>    |            |
|------------------------|--------------|-------------------|------------|
| U. S. Indian Service   | 750 a.f.     | Swan Valley       | 195 a.f.   |
| Falls Irrigation Dist. | <u>3,105</u> | Heise to Shelley  | 1,150      |
|                        |              | Reservation Canal | 750        |
|                        | 3,855 a.f.   | Milner Low Lift   | 1,460      |
|                        |              | Other             | <u>300</u> |
|                        |              |                   | 3,855 a.f. |

All rentals were at the rate of 50¢ per acre-foot.



There were several canals that rented water directly to individuals in their system instead of having them rent through the pool committee. The Fremont-Madison Irrigation District rented about 540 acre-feet to users in the Henrys Fork area.

Supply and Disposal of stored water, 1964  
(acre-feet)

Supply

|                             |         |                |
|-----------------------------|---------|----------------|
| Jackson Lake                | July 8  | 851,980        |
| Palisades (usable)          | July 9  | 1,205,000      |
| American Falls              | July 8  | 1,706,000      |
| Lake Walcott                | July 8  | 94,720         |
| Henrys Lake                 | July 20 | 82,300         |
| Island Park                 | July 18 | 132,630        |
| Grassy Lake                 | July 21 | 15,170         |
| Indian & Bergman Res. yield |         | 546            |
| Sheridan Creek right        |         | 1,714*         |
| Gain Neeley to Milner       |         | <u>57,279*</u> |
| <br>Total                   |         | <br>4,147,339  |

\* Special natural flow rights considered as storage for convenience in tabulation.

Disposal

|                                                            |          |               |
|------------------------------------------------------------|----------|---------------|
| Used by Snake River rights                                 |          | 1,884,524     |
| Used by Henrys Fork rights                                 |          | 115,343       |
| Storage transmission loss Snake River                      |          | 55,795        |
| Storage transmission loss Henrys Fork                      |          | 2,713         |
| Storage transmission loss Cross Cut                        |          | 2,263         |
| Storage in transit Oct. 15-17                              |          | 3,675         |
| River operation storage waste past Milner<br>(to Sept. 30) |          | 10,475        |
| Stored past Milner (Oct. 1-17)                             |          | 13,866        |
| Henrys Lake Loss                                           |          | 2,032         |
| Holdovers: Jackson                                         | Oct. 11  | 587,420       |
| Palisades (usable)                                         | Oct. 17  | 800,000       |
| American Falls                                             | Oct. 16  | 440,000       |
| Lake Walcott                                               | Oct. 16  | 89,600        |
| Henrys Lake                                                | Sept. 30 | 62,800        |
| Island Park                                                | Sept. 30 | 68,660        |
| Grassy Lake                                                | Sept. 30 | <u>10,400</u> |
| <br>Total                                                  |          | <br>4,149,566 |

The difference is 2,227 acre-feet with more storage being accounted for than required. The difference is probably accounted



for by gain in American Falls Reservoir. The difference is only 0.1% of the storage releases and much less than the accuracy of water measurements.

Total reservoir holdovers at end of season were 2,059,000 acre-feet. This is over 50% of active capacity and the greatest of record.

With the large holdovers it is likely that all reservoirs will fill in 1965. No attempt was made to compute the distribution of holdovers in the various reservoirs as was done last year.

#### Michaud Project use of stored water

The annual reports since 1958 have contained a detailed analysis of the water used on the Michaud Project by the Falls Irrigation District. Tabulated below is a summary of this data for the years 1958 to 1964.

#### Area No. 1 (Tributary to American Falls) (figures in acre-feet)

| Year | (from wells) |        |          | (from Am.Falls Res.) |        |          | Excess | Contr. to<br>Gr. Water |
|------|--------------|--------|----------|----------------------|--------|----------|--------|------------------------|
|      | Acres        | Pumped | Consumed | Acres                | Del'd  | Consumed |        |                        |
| 1958 | 2,391        | 5,213  | 4,300    | 922                  | 4,600  | 1,650    | 2,950  | -1,350                 |
| 1959 | 2,745        | 5,166  | 4,900    | 4,434                | 11,500 | 8,000    | 3,500  | -1,400                 |
| 1960 | 2,774        | 5,329  | 5,000    | 4,455                | 13,500 | 8,050    | 5,450  | 450                    |
| 1961 | 2,774        | 6,230  | 5,000    | 4,555                | 14,800 | 8,200    | 6,600  | 1,600                  |
| 1962 | 2,774        | 4,905  | 5,000    | 4,455                | 13,200 | 8,020    | 5,180  | 180                    |
| 1963 | 2,774        | 4,051  | 5,000    | 4,455                | 13,900 | 8,020    | 5,880  | 880                    |
| 1964 | 2,774        | 5,439  | 5,000    | 4,455                | 15,040 | 8,020    | 7,020  | 2,020                  |

#### Area No. 2 (Tributary below American Falls)

| Year | (from wells) |        |          | (from Am.Falls Res.) |       |          | Excess | Contr. to<br>Gr. Water |
|------|--------------|--------|----------|----------------------|-------|----------|--------|------------------------|
|      | Acres        | Pumped | Consumed | Acres                | Del'd | Consumed |        |                        |
| 1958 | 407          | 1,291  | 740      | 507                  | 3,838 | 918      | 2,920  | 2,180                  |
| 1959 | 845          | 1,653  | 1,500    | 1,509                | 4,227 | 2,720    | 1,507  | 7                      |
| 1960 | 885          | 2,100  | 1,600    | 1,613                | 4,608 | 2,900    | 1,708  | 108                    |
| 1961 | 884          | 2,820* | 1,600    | 1,613                | 5,060 | 2,900    | 2,160  | 560                    |
| 1962 | 884          | 2,540  | 1,600    | 1,613                | 4,900 | 2,900    | 2,000  | 400                    |
| 1963 | 884          | 2,071  | 1,600    | 1,613                | 4,956 | 2,900    | 2,056  | 456                    |
| 1964 | 884          | 2,123  | 1,600    | 1,613                | 5,284 | 2,900    | 2,384  | 784                    |

\* Includes 536 acre-feet pumped from well and delivered to land under West Branch canal.



The above data is computed assuming a consumptive use of 1.8 acre-feet per acre. Deliveries to East Branch Canal are reduced by 4% for estimated canal loss in the  $1\frac{1}{2}$  miles which is non-tributary to American Falls Reservoir. No account is taken of this 4% loss in the contribution to ground water in Area 2.

In the tabulations in this report the Falls Irrigation District was charged only with the water pumped from American Falls Reservoir.

### GROUNDWATER PUMPING

An additional credit to American Falls reservoir is water now pumped from wells by the City of Pocatello, Westvaco Company, J. R. Simplot, and Fort Hall Michaud Project. Palisades contracts for Westvaco and Simplot provide that storage charges be made on one-half of water pumped. The City of Pocatello is permitted to pump 7,000 acre-feet each season before there is any charge. In the case of the Fort Hall Michaud Project 22,400 acre-feet of pumping from wells is permitted before there is a charge against their reservoir storage.

Tabulated below is a summary of above pumping for the period July 1 to September 30 (figures in acre-feet):

| <u>Canal</u>                      | <u>Pumped</u> | <u>Storage Charge</u> |
|-----------------------------------|---------------|-----------------------|
| Fort Hall Michaud Project (wells) | 2,675         | 0                     |
| City of Pocatello                 | 3,940         | 0                     |
| J. R. Simplot Co.                 | 2,840         | 1,420                 |
| Westvaco Co.                      | <u>1,420</u>  | <u>710</u>            |
| Total                             | 10,875        | 2,130                 |

It appears that American Falls reservoir will fill and spill in 1965 so that the effect of this pumping in American Falls contents will be removed.



## RIVER LOSSES AND GAINS

Gains and losses between river stations for the months May through September (using time intervals shown on Plate 15) are shown in the following tabulations.

### Gain in Snake River, Moran to Alpine gaging station, 1964 (Alpine dates and 24-hr. cfs except as noted)

| Station         | May     | June    | July    | Aug.    | Sept.  | Total     |
|-----------------|---------|---------|---------|---------|--------|-----------|
| Moran           | 68,445  | 123,580 | 109,170 | 104,080 | 39,656 | 444,931   |
| Snake-Alpine    | 257,930 | 445,100 | 343,870 | 179,900 | 88,920 | 1,315,720 |
| Total gain cfs  | 189,485 | 321,520 | 234,700 | 75,820  | 49,264 | 870,789   |
| Mean gain cfs   | 6,112   | 10,720  | 7,571   | 2,446   | 1,642  | 5,691     |
| Total gain a.f. | 375,800 | 637,700 | 465,500 | 150,400 | 97,710 | 1,727,110 |

### Gain in Snake River, Alpine gaging station to state line, 1964

| Station         | May     | June    | July    | Aug.   | Sept.  | Total   |
|-----------------|---------|---------|---------|--------|--------|---------|
| Greys River     | 54,412  | 71,860  | 35,949  | 14,987 | 10,389 | 187,597 |
| Salt River      | 62,160  | 62,600  | 31,760  | 23,100 | 22,214 | 201,834 |
| Total gain cfs  | 116,572 | 134,460 | 67,709  | 38,087 | 32,603 | 389,431 |
| Mean gain cfs   | 3,760   | 4,482   | 2,184   | 1,229  | 1,087  | 2,545   |
| Total gain a.f. | 231,200 | 266,700 | 134,300 | 75,540 | 64,670 | 772,410 |

All gains are greater than for last year.

### Gain in Snake River, state line to Heise, 1964 (No corrections for time of flow. 24-hr cfs except as noted)

| Station           | May     | June     | July    | Aug.    | Sept.   | Total     |
|-------------------|---------|----------|---------|---------|---------|-----------|
| Palisades release | 1,008   | -187,050 | 31,260  | 66,550  | 76,130  | -12,102   |
| Total supply*     | 375,510 | 392,510  | 442,839 | 284,537 | 197,653 | 1,693,049 |
| Heise             | 466,400 | 479,810  | 482,500 | 312,460 | 227,480 | 1,968,650 |
| Riley             | 0       | 426      | 846     | 715     | 168     | 2,155     |
| Total acct. for   | 466,400 | 480,236  | 483,346 | 313,175 | 227,648 | 1,970,805 |
| Total gain cfs    | 90,890  | 87,726   | 40,507  | 28,638  | 29,995  | 277,756   |
| Mean gain cfs     | 2,932   | 2,924    | 1,307   | 924     | 1,000   | 1,815     |
| Total gain a.f.   | 180,280 | 174,000  | 80,340  | 56,800  | 59,490  | 550,910   |

\* Sum of Snake near Alpine, Greys and Salt River plus Palisades release.

All gains were greater than for 1963.



Gain in Snake River, Heise to Shelley, 1964  
(Heise dates and 24-hr cfs, except as noted)

| Station         | May     | June    | July    | Aug.    | Sept.   | Total     |
|-----------------|---------|---------|---------|---------|---------|-----------|
| Rexburg         | 112,990 | 202,710 | 57,806  | 34,744  | 40,970  | 449,220   |
| Total Supply**  | 579,390 | 682,946 | 541,152 | 347,919 | 268,618 | 2,420,025 |
| Diversions      | 90,645  | 197,780 | 318,790 | 263,970 | 205,310 | 1,076,495 |
| Shelley         | 459,400 | 476,430 | 269,150 | 132,810 | 98,140  | 1,435,930 |
| Total acct. for | 550,045 | 674,210 | 587,940 | 396,780 | 303,450 | 2,512,425 |
| Total gain cfs  | -29,345 | -8,736  | 46,788  | 48,861  | 34,832  | 92,400    |
| Mean gain cfs   | -947    | -291    | 1,509   | 1,576   | 1,161   | 604       |
| Total gain a.f. | -58,200 | -17,330 | 92,800  | 96,910  | 69,090  | 183,270   |

\*\* Rexburg plus Heise and Riley from previous table.

The loss in May and June occurred because of high river discharge and lower than usual canal diversions. There was probably little spill from canals to the river during these months. Gains in July and August were greater than in 1963. The average gain is 197 cfs less than a year ago and includes inflow from Market Lake Springs credited to Owners Mutual Canal Co.

Gain or loss in Snake River, Shelley to Blackfoot, 1964  
(Shelley dates and 24-hr cfs, except as noted)

| Station          | May     | June    | July    | Aug.    | Sept.   | Total     |
|------------------|---------|---------|---------|---------|---------|-----------|
| Shelley          | 457,100 | 480,130 | 271,750 | 133,650 | 99,140  | 1,441,770 |
| Blackfoot River  | 24,460  | 20,690  | 5,640   | 10,270  | 7,220   | 68,280    |
| Total supply     | 481,560 | 500,820 | 277,390 | 143,920 | 106,360 | 1,510,050 |
| Diversions       | 48,916  | 84,710  | 119,500 | 97,390  | 74,780  | 425,296   |
| Blackfoot        | 432,230 | 440,030 | 160,198 | 48,329  | 37,370  | 1,118,157 |
| Total acct. for  | 481,146 | 524,740 | 279,698 | 145,719 | 112,150 | 1,543,453 |
| Total diff. cfs  | -414    | 23,920  | 2,308   | 1,799   | 5,790   | 33,403    |
| Mean diff. cfs   | -13     | 797     | 74      | 58      | 193     | 218       |
| Total diff. a.f. | -820    | 47,440  | 4,580   | 3,570   | 11,480  | 66,250    |

The average gain of 218 cfs is 161 cfs greater than in 1963.



Gain or loss in Snake River, Blackfoot to Neeley, 1964  
(Neeley dates and 24-hr cfs, except as noted)

| Station          | May     | June    | July    | Aug.    | Sept.   | Total     |
|------------------|---------|---------|---------|---------|---------|-----------|
| Blackfoot        | 430,530 | 448,900 | 162,198 | 47,069  | 37,770  | 1,126,467 |
| Inflow*          | 102,283 | 95,900  | 82,375  | 79,436  | 79,025  | 439,019   |
| Res. draft       | 10,588  | - 6,050 | 188,558 | 270,233 | 162,846 | 626,175   |
| Total supply     | 543,401 | 538,750 | 433,131 | 396,738 | 279,641 | 2,191,661 |
| Diversions       | 702     | 1,629   | 6,342   | 5,768   | 3,799   | 18,240    |
| Neeley           | 534,300 | 533,900 | 424,900 | 400,300 | 280,440 | 2,173,840 |
| Total use        | 535,002 | 535,529 | 431,242 | 406,068 | 284,239 | 2,192,080 |
| Total diff. cfs  | -8,399  | -3,221  | -1,889  | 9,330   | 4,598   | 419       |
| Mean diff. cfs   | -271    | -107    | -61     | 301     | 153     | 3         |
| Total diff. a.f. | -16,660 | -6,390  | -3,750  | 18,500  | 9,120   | 820       |

There were losses for the May to July period when the reservoir was high. During August and September there was a gain from bank storage as water was withdrawn. The average gain for the period of regulation July 8 to October 16 was about 270 cfs.

\* A tabulation of inflow data is shown on Plate 11. Eight sets of measurements were obtained during the period and figures interpolated between measurements. Usual Portneuf River inflow was depleted by pumping for Indian Service Michaud Canal. Amount pumped each day is shown at bottom of Plate 11. Inflow in above table is actual inflow. Inflow figures shown on Plates 12, 12A and 13 are theoretical inflow computed by adding pump diversion figures to actual inflow. The above computations fulfill requirements of Section 8 (b) of Fort Hall Michaud Division - Palisades contract. Daily figures of waste from the Aberdeen Project were furnished by Mr. Jake Isaak, Manager. Unmeasured inflow as computed from the "Newell" formula varied from 1,300 to 1,320 cfs.

The following measurements of the flow of Ruegar Springs were obtained:

| <u>Date</u>  | <u>Discharge in cfs</u> |
|--------------|-------------------------|
| June 4, 1964 | 27.3                    |
| July 8       | 23.6                    |
| Sept. 21     | 20.0                    |



Gain or loss in Snake River, Neeley to Minidoka, 1964  
(Minidoka dates and 24-hr cfs, except as noted)

| Station          | May     | June    | July    | Aug.    | Sept.   | Total     |
|------------------|---------|---------|---------|---------|---------|-----------|
| Neeley           | 535,270 | 534,000 | 423,800 | 400,800 | 282,250 | 2,176,120 |
| Walcott release  | -4,430  | 2,380   | -1,110  | 646     | 1,820   | -694      |
| Total supply     | 530,840 | 536,380 | 422,690 | 401,446 | 284,070 | 2,175,426 |
| No. Minidoka     | 39,323  | 26,256  | 57,560  | 47,820  | 27,713  | 198,672   |
| So. Minidoka     | 27,945  | 22,622  | 43,500  | 41,750  | 28,506  | 164,323   |
| Minidoka         | 455,360 | 485,830 | 314,890 | 301,250 | 220,420 | 1,777,750 |
| Total use        | 522,628 | 534,708 | 415,950 | 390,820 | 276,639 | 2,140,745 |
| Total diff. cfs  | -8,212  | -1,672  | -6,740  | -10,626 | -7,431  | -34,681   |
| Mean diff. cfs   | -265    | -56     | -217    | -343    | -248    | -227      |
| Total diff. a.f. | -16,290 | -3,320  | -13,370 | -21,080 | -14,740 | -68,800   |

The average loss of 227 cfs appears to be the greatest of record and is over twice that noted in 1962. This apparent high loss may reflect inaccuracy in the Minidoka record. The average flow at Minidoka for the period was almost 6,000 cfs. A 2% error in this record would amount to 120 cfs.

Gain in Snake River, Minidoka to Milner, 1964  
(Milner dates and 24-hr cfs, except as noted)

| Station            | May     | June    | July    | Aug.    | Sept.   | Total     |
|--------------------|---------|---------|---------|---------|---------|-----------|
| Minidoka           | 457,420 | 485,660 | 314,340 | 301,810 | 222,130 | 1,781,360 |
| Min.N.S.Pump       | 4,698   | 2,133   | 7,573   | 7,383   | 4,228   | 26,015    |
| P. A.              | 1,437   | 1,780   | 2,136   | 2,037   | 1,583   | 8,973     |
| Milner Low Lift    | 5,182   | 4,666   | 8,698   | 7,891   | 4,536   | 30,973    |
| Gooding            | 58,960  | 73,040  | 81,100  | 79,130  | 67,510  | 359,740   |
| North Side         | 71,740  | 71,660  | 92,760  | 90,370  | 67,170  | 393,700   |
| Twin Falls         | 99,490  | 93,390  | 120,320 | 117,360 | 89,620  | 520,180   |
| Lake Milner Stored | 1,600   | -300    | 540     | -130    | -560    | 1,150     |
| Milner             | 219,884 | 244,117 | 9,398   | 10,153  | 8,325   | 491,877   |
| Total Use          | 462,991 | 490,486 | 322,525 | 314,194 | 242,412 | 1,832,608 |
| Total gain cfs     | 5,571   | 4,826   | 8,185   | 12,384  | 20,282  | 51,248    |
| Mean gain cfs      | 180     | 161     | 264     | 399     | 676     | 335       |
| Total gain a.f.    | 11,050  | 9,570   | 16,230  | 24,560  | 40,230  | 101,640   |

The total gain was about 18,000 acre-feet greater than in 1963.

The total gain from Neeley to Milner for period May through September was 32,840 acre-feet. The Minidoka Project was credited with 57,279 acre-feet of gain which occurred during periods when



this project was drawing storage. About 16,800 of this credit was for gain that occurred October 1-16 when storage was being used by the Minidoka Project.

There is a difference in storage computations that results in a seeming discrepancy. The gain for credit to Minidoka project was computed from storage totals on Plates 12, 12A, and 13 for period July 8 to October 16 with a result of 57,279 a.f. Adding 16,800 Minidoka stored diversions Oct. 1-16 to gain May to September of 32,840 would total only 49,640 a.f. The difference occurs because there were heavy river losses prior to the regulation season. This reduces the net seasonal gain below that actually occurring during the regulation season.

#### DISTRIBUTION ON HENRYS FORK

Mr. O. P. Mortensen continued his position as Deputy Watermaster at St. Anthony in charge of water distribution on Henrys Fork, Falls River and lower Teton River. He was assisted by S. B. Garrett on Henrys Fork and Falls River and by L. C. Anderson on Teton River.

After July 31, the Squirrel Creek Canal pumped all its water from Conant Creek. This relieved the Squirrel Creek demand and no special regulation was required on that creek.

Holdovers in Henrys Fork reservoirs at the end of the season were about 64% of capacity.

Releases from Henrys Lake were cut almost to normal flow on September 17. Those from Grassy Lake were cut off on August 22, and from Island Park Reservoir on September 30.

The usual methods described in previous reports of segregating stored water and normal flow at the outlets of Henrys Lake and



Island Park reservoirs were continued in 1964. During the period July 19-31 stored water was charged a daily loss of 30 cfs. During period August 19-31 stored releases were credited with a like amount. This adjustment has been used in past years and presumably corrects the observed normal flow to pre-reservoir conditions. When Island Park Reservoir is full there is a loss to ground water which is later recovered when the reservoir level drops. By making the above adjustment, normal flow is more nearly distributed to the rights that would be in effect if Island Park reservoir were not in the river system.

#### 1964 REGULATION SCHEDULE

For period July 25-31 the regulation schedule on the Henrys Fork and Falls River was cut to earlier priorities than the main river. There was sufficient supply in Teton River so that it remained on the main river regulation schedule throughout the season.

Figures showing the operation of the Cross Cut Canal in 1964 are shown on Plate 23A. It delivered about 25,800 acre-feet to the Fall River Canal and 11,700 acre-feet to Teton River. Most of that delivered to the Teton River was spilled back to the Henrys Fork.

Mr. A. L. Larson made two trips to the Island Park area during the season to regulate and measure. The following miscellaneous measurements were made while regulating water in this area:

#### July 30, 1964

|                                      |      |     |
|--------------------------------------|------|-----|
| Howard Creek at highway              | 12   | cfs |
| Findlay diversion from Targhee Creek | 5.0  |     |
| Targhee Creek at highway             | 31.5 |     |
| Johnson Springs                      | 5.79 |     |
| Duck Creek at highway - Gage 1.30    | 11.8 |     |
| Magleby Sprinkler (Rock Creek)       | 2    |     |
| Laird diversion to grain field       | 2    |     |



July 30 - continued

|                                                               |      |     |
|---------------------------------------------------------------|------|-----|
| Twin Creek right bank diversion                               | 2.5  | cfs |
| Twin Creek                                                    | 3.0  |     |
| Sheridan Creek at Highway 22 - Gage 1.30                      | 11.0 |     |
| Sheridan Creek at forest road                                 | 36.3 |     |
| Morain Creek                                                  | 6.23 |     |
| Snider Creek at Forest Service Road                           | 3.0  |     |
| Myers Creek at Forest Service Road                            | 1.0  |     |
| Taylor Creek at Forest Service Road                           | 1.5  |     |
| Willow Creek at Forest Service Road                           | 7    |     |
| Icehouse Creek at Forest Service Road                         | 9    |     |
| Grubb diversion from Icehouse Creek<br>at Forest Service Road | 8    |     |
| Hotel Creek at Forest Service Road                            | 12   |     |

August 11, 1964

|                                             |      |
|---------------------------------------------|------|
| Howard Creek at Highway                     | 8    |
| Targhee Creek at Highway                    | 25   |
| Targhee Creek into Lake                     | 2    |
| Duck Creek into Lake                        | 5    |
| Duck Creek at highway - Gage 1.22           | 8.93 |
| Magleby & Webster diversion from Rock Creek | 4.0  |
| Magleby's Rock Creek diversion              | 4.5  |
| Rock Creek above Magleby-Moedl diversion    | 4.24 |
| Magleby's sprinklers                        | 1.76 |

Occasional measurements of Big Springs near Island Park have been obtained in recent years and are listed below:

| <u>Date</u>   | <u>Discharge in cfs</u> | <u>Date</u>    | <u>Discharge in cfs</u> |
|---------------|-------------------------|----------------|-------------------------|
| July 14, 1950 | 187                     | Aug. 28, 1961  | 163                     |
| Sept. 3, 1959 | 181                     | June 5, 1962   | 177                     |
| Oct. 19, 1959 | 186                     | Oct. 17, 1962  | 170                     |
| June 21, 1960 | 176                     | Sept. 10, 1963 | 185                     |
| July 25, 1961 | 165                     | Sept. 14, 1964 | 184                     |



# CANAL DELIVERIES IN HENRYS FORK BASIN

Diversions during the 1964 irrigation season, May to September, from Falls River, Henrys Fork and Lower Teton River

| Canal                     | Diversions<br>(acre-feet) | Area<br>Irrigated<br>(acres) | Acre-feet<br>per acre |
|---------------------------|---------------------------|------------------------------|-----------------------|
| <u>Falls River Canals</u> |                           |                              |                       |
| Yellowstone               | 2,090                     | 1,550                        | 1.3                   |
| Marysville                | 28,620                    | 15,000                       | 1.9                   |
| Farmers Own               | 12,990                    | 4,800                        | 2.7                   |
| Almy                      | 97                        | 80                           | 1.2                   |
| Enterprise                | 29,620                    | 5,885                        | 5.0                   |
| Bell                      | 1,150                     | 100                          | 11.5                  |
| Fall River                | 88,660 (a)                | 9,000                        | 9.9                   |
| McBee                     | 590                       | 110                          | 5.4                   |
| Chester                   | 13,220                    | 1,400                        | 9.4                   |
| Silkey                    | 3,960                     | 1,000                        | 4.0                   |
| Curr                      | 10,000                    | 1,300                        | 7.7                   |
| Total Falls River         | 190,997                   | 40,225                       | 4.7                   |

(a) Includes 25,800 diverted through Cross Cut.

|                           |         |        |      |
|---------------------------|---------|--------|------|
| <u>Henrys Fork canals</u> |         |        |      |
| Dewey                     | 5,470   | 2,000  | 2.7  |
| Last Chance               | 25,880  | 1,860  | 13.9 |
| St. Anthony Union         | 137,000 | 9,700  | 14.1 |
| Farmers Friend            | 28,810  | 3,025  | 9.5  |
| Twin Groves               | 32,420  | 2,200  | 14.7 |
| Salem Union               | 55,000  | 5,500  | 10.0 |
| Egin                      | 78,300  | 7,000  | 11.2 |
| St. Anthony U. Feeder     | 19,010  | 2,300  | 8.3  |
| Independent               | 84,050  | 6,000  | 14.0 |
| Consolidated Farmers      | 59,670  | 6,000  | 10.0 |
| Total Henrys Fork         | 525,600 | 45,585 | 11.8 |

|                           |           |        |      |
|---------------------------|-----------|--------|------|
| <u>Lower Teton Canals</u> |           |        |      |
| Siddoway                  | 2,300     | 500    | 4.6  |
| Wilford                   | 30,630    | 2,300  | 13.3 |
| Teton Irrigation          | 19,290    | 2,000  | 9.6  |
| Good Luck                 | 3,600     | 330    | 10.9 |
| Pioneer                   | 3,050     | 300    | 10.2 |
| Stewart                   | 5,680     | 519    | 10.9 |
| Pincock-Byington          | 2,600     | 400    | 6.5  |
| Pincock-Garner            | 3,640     | 480    | 7.6  |
| Teton Island Feeder       | 96,130    | 10,400 | 9.2  |
| Roxana                    | 5,720 (b) | 880    | 6.5  |
| Island Ward               | 8,380 (b) | 3,300  | 2.5  |
| North Salem               | 1,570 (c) | 450    | 3.5  |
| Bigler Slough             | 3,540     | 160    | 22.1 |
| Woodmansee-Johnson        | 4,900 (d) | 1,320  | 4.1  |
| City of Rexburg           | 6,490     | 950    | 6.8  |
| Rexburg Irrigation        | 54,730    | 5,280  | 10.3 |



Diversions during 1964 irrigation season - continued

| Canal                                 | Diversions<br>(acre-feet) | Area<br>Irrigated<br>(acres) | Acre-feet<br>per acre |
|---------------------------------------|---------------------------|------------------------------|-----------------------|
| <u>Lower Teton Canals - continued</u> |                           |                              |                       |
| McCormick-Rowe                        | 3,330                     | 160                          | 20.8                  |
| Saurey Sommers                        | 4,070                     | 385                          | 10.6                  |
| Gardner                               | 500                       | 200                          | 2.5                   |
| Eames Thompson                        | 300                       | 160                          | 1.9                   |
| Total Lower Teton                     | 260,450                   | 30,474                       | 8.6                   |
| <br>Total Falls River, Henrys         |                           |                              |                       |
| Fork and Lower Teton                  | 977,047                   | 116,284                      | 8.4                   |

(b) Used additional water from Henrys Fork thru Consolidated Farmers

(c) Used additional water from Henrys Fork thru Salem Union

(d) Used additional water from Moody Cr. & Teton Irr. Canal Waste.

The diversions in this area were about 5% greater than for 1963.

Of the total diversions of 977,047 acre-feet, 106,903 acre-feet or 10.9% was stored water.

There was some flooding in June along the Teton River. Several canals were flooded and diversion records are poor.

Diversions by some of the principal canals in the headwater areas for the 1964 irrigation season (May 15 to September 30) are shown below:

|                       | Diversions<br>(acre-feet) | Area<br>Irrigated<br>(acres) | Acre-feet<br>per acre |
|-----------------------|---------------------------|------------------------------|-----------------------|
| String Canal          | 15,000                    | 2,300                        | 6.5                   |
| Trail Creek Irr. Co.  | 34,000                    | 5,220                        | 6.5                   |
| Fox Creek Canals      | 12,000                    | 3,760                        | 3.2                   |
| Darby Creek Canals    | 19,000                    | 4,800                        | 4.0                   |
| Grand Teton Canal     | 27,000                    | 5,800                        | 4.7                   |
| Canyon Creek Canal    | 3,820                     | 2,200                        | 1.7                   |
| Conant Creek Canal    | 3,080                     | 940                          | 3.3                   |
| *Squirrel Creek Canal | 1,610                     | 985                          | 1.6                   |
| Boom Creek Canal      | 1,020                     | 160                          | 6.4                   |

\*Includes water pumped from Conant Creek.

For all canals diversions were greater than a year ago.



### STORED WATER DELIVERIES ON HENRYS FORK

Water available for Fremont-Madison allotments was as follows:

|                       |           |              |
|-----------------------|-----------|--------------|
| Island Park Reservoir | (July 18) | 132,630 a.f. |
| Grassy Lake           | (July 21) | 15,170       |
| Sheridan Creek right  | (about)   | <u>1,700</u> |
| Total                 |           | 149,500 a.f. |

The district allotted 132,604 acre-feet for the 1964 season.

In addition 540 acre-feet was rented to Henrys Fork users.

### Henrys Lake Allotments, 1964

Permits and licenses for storage of water in Henrys Lake are limited to a total of 79,350 acre-feet. The lake contents on July 20 was 82,730 acre-feet. The total of 79,350 acre-feet was allotted allowing the surcharge of 3,380 acre-feet to take care of dead storage and loss.

### Allotted

|                      | <u>Percent</u> | <u>Acre-feet</u> |
|----------------------|----------------|------------------|
| Independent          | 26.90          | 21,345           |
| Salem Union          | 24.21          | 19,211           |
| Consolidated Farmers | 20.17          | 16,005           |
| Last Chance          | 13.85          | 10,990           |
| St. Anthony Union    | 6.72           | 5,332            |
| Egin                 | 6.72           | 5,332            |
| Dewey                | <u>1.43</u>    | <u>1,135</u>     |
|                      | 100.00         | 79,350           |



Henry's Fork Storage Operations - 1964  
(all figures in acre-feet)

Henry's Lake

| <u>Canal</u>                                       | <u>Henry's Lake Storage Used</u> |               |
|----------------------------------------------------|----------------------------------|---------------|
| Dewey                                              | 1,135                            |               |
| Last Chance                                        | 6,904                            |               |
| Independent                                        | <u>14,516</u>                    |               |
| Total Used                                         | 22,555                           |               |
| Storage release from Henry's Lake                  |                                  | 17,440        |
| Excess use above release                           |                                  | <u>5,115</u>  |
| -----                                              |                                  |               |
| Henry's Fork near Rexburg Storage Balance for 1964 |                                  | -30,123       |
| Credits from other reservoirs:                     |                                  |               |
| Enterprise use                                     | 9,835                            |               |
| Other individuals                                  | <u>1,470</u>                     |               |
|                                                    | 11,305                           | <u>11,305</u> |
| Henry's Fork owes main river                       |                                  | 18,818        |
| Henry's Lake deficit                               |                                  | <u>5,115</u>  |
| Fremont-Madison deficit                            |                                  | 13,703        |

Above figures allow 1,000 acre-feet of Palisades storage owned by Fremont-Madison District to be carried over in Palisades. The above deficits will be cancelled when 18,818 acre-feet is spilled at Island Park during December or next spring.

On August 19 the Fremont-Madison District was given an accounting of storage use by letter from the watermaster. At that time it was decided that they would prefer a deficit operation to drawing Island Park Reservoir to lower levels.



### RIVER GAINS IN HENRYS FORK BASIN, 1964

The following time intervals have been used in preparing the tabulations by river sections:

|                        |         |
|------------------------|---------|
| Lake to Island Park    | 20 hrs. |
| Island Park to Ashton  | 19 hrs. |
| Ashton to St. Anthony  | 5 hrs.  |
| St. Anthony to Rexburg | 12 hrs. |
| Squirrel to Chester    | 8 hrs.  |

#### Gain in Henrys Fork, Lake to Island Park, 1964 (Island Park dates and 24-hr cfs, except as noted)

| Station         | May    | June   | July   | Aug.   | Sept.  | Total   |
|-----------------|--------|--------|--------|--------|--------|---------|
| Lake            | 1,699  | 5,933  | 5,335  | 5,590  | 4,307  | 22,864  |
| I. P. release   | -2,530 | 413    | 12,800 | 13,350 | 8,620  | 32,653  |
| Total supply    | -831   | 6,346  | 18,135 | 18,940 | 12,927 | 55,517  |
| Island Park     | 30,551 | 40,790 | 34,639 | 33,878 | 27,615 | 167,473 |
| Total gain cfs  | 31,382 | 34,444 | 16,504 | 14,938 | 14,688 | 111,956 |
| Mean gain cfs   | 1,012  | 1,148  | 532    | 482    | 490    | 732     |
| Total gain a.f. | 62,250 | 68,320 | 32,740 | 29,630 | 29,130 | 222,070 |

The average gain is 133 cfs greater than in 1963 and is the largest for any year since 1957 when it was 752 cfs.

#### Gain in Henrys Fork, Island Park to Ashton, 1964 (Ashton dates and 24-hr cfs, except as noted)

| Station         | May    | June   | July   | Aug.   | Sept.  | Total   |
|-----------------|--------|--------|--------|--------|--------|---------|
| Island Park     | 30,065 | 40,870 | 34,349 | 34,264 | 27,776 | 167,324 |
| Ashton          | 80,340 | 91,160 | 62,820 | 60,540 | 51,580 | 346,440 |
| Total gain cfs  | 50,275 | 50,290 | 28,471 | 26,276 | 23,804 | 179,116 |
| Mean gain cfs   | 1,622  | 1,676  | 918    | 848    | 793    | 1,171   |
| Total gain a.f. | 99,720 | 99,750 | 56,470 | 52,120 | 47,210 | 355,270 |

The average gain is 195 cfs greater than in 1963 and is the largest for any year since 1952 when it was 1,318 cfs.



Gain in Henrys Fork, Ashton to St. Anthony, 1964  
(St. Anthony dates and 24-hr cfs, except as noted)

| Station         | May     | June    | July   | Aug.   | Sept.  | Total   |
|-----------------|---------|---------|--------|--------|--------|---------|
| Ashton          | 80,080  | 91,280  | 62,780 | 60,600 | 51,710 | 346,450 |
| Chester         | 56,140  | 83,620  | 14,181 | 3,525  | 6,061  | 163,527 |
| Total supply    | 136,220 | 174,900 | 76,961 | 64,125 | 57,771 | 509,977 |
| Diversions      | 29,458  | 33,608  | 40,870 | 34,840 | 24,694 | 163,470 |
| St. Anthony     | 111,750 | 147,600 | 42,316 | 32,940 | 35,196 | 369,802 |
| Total acct. for | 141,208 | 181,208 | 83,186 | 67,780 | 59,890 | 533,272 |
| Total gain cfs  | 4,988   | 6,308   | 6,225  | 3,655  | 2,119  | 23,295  |
| Mean gain cfs   | 161     | 210     | 201    | 118    | 71     | 152     |
| Total gain a.f. | 9,890   | 12,510  | 12,350 | 7,250  | 4,200  | 46,200  |

The average gain is 92 cfs greater than in 1963 and appears to be the highest of record. This gain is produced by return flow from sub-irrigated land.

Gain in Falls River, Squirrel to Chester, 1964  
(Chester dates and 24-hr cfs, except as noted)

| Station         | May    | June   | July   | Aug.   | Sept.  | Total   |
|-----------------|--------|--------|--------|--------|--------|---------|
| Squirrel        | 51,409 | 84,180 | 31,071 | 16,260 | 14,135 | 197,055 |
| Diversions      | 6,700  | 15,952 | 19,516 | 15,044 | 10,589 | 67,801  |
| Chester         | 56,140 | 83,620 | 14,181 | 3,525  | 6,061  | 163,527 |
| Total acct. for | 62,840 | 99,572 | 33,697 | 18,569 | 16,650 | 231,328 |
| Total gain cfs  | 11,431 | 15,392 | 2,626  | 2,309  | 2,515  | 34,273  |
| Mean gain cfs   | 369    | 513    | 85     | 74     | 84     | 224     |
| Total gain a.f. | 22,670 | 30,530 | 5,210  | 4,580  | 4,990  | 67,980  |

The mean gain is 91 cfs greater than in 1963 and is the greatest since 1957.

Gain in Henrys Fork and Teton River, St. Anthony to Rexburg, 1964  
(St. Anthony dates and 24-hr cfs, except as noted)

| Station           | May     | June    | July    | Aug.   | Sept.  | Total   |
|-------------------|---------|---------|---------|--------|--------|---------|
| Teton River       | 45,923  | 96,320  | 52,809  | 25,914 | 20,521 | 241,487 |
| Henrys Fork       | 111,750 | 147,600 | 42,316  | 32,940 | 35,196 | 369,802 |
| Total supply      | 157,673 | 243,920 | 95,125  | 58,854 | 55,717 | 611,289 |
| H. Fk. diversions | 26,819  | 27,722  | 27,625  | 23,055 | 16,293 | 121,514 |
| Teton diversions  | 19,384  | 29,617  | 36,320  | 25,432 | 20,587 | 131,340 |
| Rexburg           | 114,310 | 202,690 | 56,036  | 35,064 | 40,820 | 448,920 |
| Total acct. for   | 160,513 | 260,029 | 119,981 | 83,551 | 77,700 | 701,774 |
| Total gain cfs    | 2,840   | 16,109  | 24,856  | 24,697 | 21,983 | 90,485  |
| Mean gain cfs     | 92      | 537     | 802     | 797    | 733    | 591     |
| Total gain a.f.   | 5,630   | 31,950  | 49,280  | 48,990 | 43,600 | 179,450 |



The average daily gain is 67 cfs less than in 1963. This gain is produced mostly from return flow from upstream irrigation. The low gain for May was probably caused by the later than usual date in starting diversions by many canals. The 179,450 acre-feet gain is equal to 18% of the 977,047 acre-feet diverted by the canals above Rexburg. This percentage was 22% in 1963. Much additional return flow moves westward towards Mud Lake and there is further drain-off to Henrys Fork during the non-irrigation season.

#### TETON BASIN

Mr. Arthur Wilson, with summer office at Driggs, continued as Deputy Watermaster in Teton Basin during 1964.

The water content of snow on April 1 on the Teton watershed was 80% of normal. April to September precipitation at Driggs was 7.98" compared to the normal of 8.08". June precipitation was 5.55" compared to a normal of 2.05". Runoff of Teton River near St. Anthony was 120% of the 31 year average.

Seasonal diversions for most canals in this area were greater than in 1963.

Again this year, canal diversions were started early and water spread to build up the groundwater table. This practice seems to result in a greater sustained flow of the Teton River later in the season. This early water spreading may result in undesirably high sub in the low areas along the river.

The discharge of various streams and canals and storage used in Teton Basin through exchange for natural flow is shown on Plates 23 and 24.



Water distribution on Teton Creek between Wyoming and Idaho users was on the basis of the 1940 Wyoming Federal Court decree. Stored water diversions by Teton Basin users, through exchange for natural flow belonging to prior downstream rights, was on the basis of diverting 1.625 times the amount of replacement storage delivered to lower Teton River at the St. Anthony gaging station, in accordance with an agreement reached by upper and lower users on Teton River in 1949.

Canal diversions were mostly from normal flow and only a little over half of the storage allotted to Teton Basin canals was used.

Mr. Seth Hansen of Tetonia served as special deputy on the Leigh and Spring Creeks on an hourly basis for time actually spent. Considerable time is required to keep the headgates on these creeks regulated and it is impossible for one man to look after the other streams in Teton Basin and still give the necessary attention to the streams in the vicinity of Tetonia. One-half of the cost of Mr. Hansen's services, amounting to \$483.75, was charged as a special item to the local users and a similar amount was charged as general District 36 expense.

Mr. Wilson had to return at the end of August to his position as teacher in the Rexburg High School, but continued to look after water matters in the Basin during several weekends thereafter.

#### SWAN VALLEY

William Meador served as Deputy Watermaster in the Swan Valley area and also as deputy watermaster on several canals. The local users were charged \$5.00 a day or \$350.00 total, as a special charge and the balance of the cost of his services, amounting to \$630.00, was charged as general expense to District 36.



There was little demand for stored water in excess of Palisades allotments. Swan Valley users rented 195 acre-feet from Water District 36 during 1964.

CLIMATOLOGICAL DATA  
(Precipitation in inches for year ending September 30, 1964)

| <u>Month</u> | <u>Alta</u> |             | <u>Moran</u> |             | <u>Jackson</u> |             | <u>Bedford</u> |             | <u>Palisades*</u> |             |
|--------------|-------------|-------------|--------------|-------------|----------------|-------------|----------------|-------------|-------------------|-------------|
|              | <u>Act.</u> | <u>Nor.</u> | <u>Act.</u>  | <u>Nor.</u> | <u>Act.</u>    | <u>Nor.</u> | <u>Act.</u>    | <u>Nor.</u> | <u>Act.</u>       | <u>Nor.</u> |
| Oct.         | 1.29        | 1.48        | 0.95         | 1.45        | 0.90           | 1.11        | 1.35           | 1.57        | 0.75              | 1.25        |
| Nov.         | 2.03        | 1.41        | 2.99         | 1.88        | 1.20           | 1.11        | 1.83           | 1.78        | 3.07              | 1.58        |
| Dec.         | 1.10        | 1.51        | 1.70         | 2.36        | 1.04           | 1.54        | 1.27           | 2.18        | .94               | 2.21        |
| Jan.         | 2.41        | 1.60        | 4.26         | 2.35        | 1.32           | 1.43        | 1.84           | 2.11        | 2.20              | 1.79        |
| Feb.         | 1.03        | 1.48        | .93          | 2.28        | .31            | 1.32        | .77            | 1.95        | .85               | 1.98        |
| Mar.         | 1.24        | 1.51        | 2.44         | 2.08        | 1.09           | 1.20        | 2.41           | 2.02        | 3.55              | 1.84        |
| Apr.         | 2.57        | 1.48        | 1.26         | 1.73        | .86            | 1.20        | 2.47           | 1.67        | 1.36              | 1.56        |
| May          | 2.33        | 2.04        | 2.93         | 1.85        | 2.37           | 1.50        | 1.91           | 2.13        | 2.10              | 1.96        |
| June         | 6.41        | 2.29        | 3.58         | 1.77        | 3.39           | 1.51        | 5.54           | 2.08        | 4.07              | 2.03        |
| July         | 1.02        | .94         | .67          | .97         | 1.28           | .75         | .67            | .93         | 1.60              | .84         |
| Aug.         | 1.97        | 1.19        | 1.33         | 1.30        | .91            | 1.12        | .41            | 1.04        | .54               | 1.16        |
| Sept.        | 0           | 1.28        | .04          | 1.28        | T              | 1.04        | .30            | 1.26        | T                 | 1.33        |
| Year         | 23.40       | 18.21       | 23.08        | 21.30       | 14.67          | 14.83       | 20.77          | 20.72       | 21.03             | 19.53       |

| <u>Month</u> | <u>Ashton</u> |             | <u>Idaho Falls</u> |             | <u>Pocatello</u> |             | <u>Twin Falls</u> |             | <u>Av. 9 Stas.</u> |             |
|--------------|---------------|-------------|--------------------|-------------|------------------|-------------|-------------------|-------------|--------------------|-------------|
|              | <u>Act.</u>   | <u>Nor.</u> | <u>Act.</u>        | <u>Nor.</u> | <u>Act.</u>      | <u>Nor.</u> | <u>Act.</u>       | <u>Nor.</u> | <u>Act.</u>        | <u>Nor.</u> |
| Oct.         | 0.69          | 1.35        | 0.36               | 0.63        | 0.32             | 0.89        | 0.22              | 0.75        | 0.76               | 1.17        |
| Nov.         | 2.94          | 1.56        | 1.74               | .62         | 1.49             | .99         | 1.94              | .93         | 2.14               | 1.32        |
| Dec.         | 1.48          | 1.89        | .90                | .80         | 1.22             | 1.00        | 1.00              | .91         | 1.18               | 1.60        |
| Jan.         | 2.50          | 1.82        | .54                | .89         | .76              | 1.21        | 1.01              | 1.02        | 1.87               | 1.58        |
| Feb.         | .95           | 1.77        | .30                | .71         | .34              | .92         | .24               | .72         | .64                | 1.46        |
| Mar.         | 2.39          | 1.39        | .54                | .66         | .78              | 1.02        | .44               | .87         | 1.65               | 1.40        |
| Apr.         | 1.61          | 1.04        | 1.07               | .66         | 1.46             | 1.06        | 1.06              | .86         | 1.52               | 1.25        |
| May          | 2.25          | 1.45        | 1.21               | .98         | 1.41             | 1.13        | 1.29              | 1.01        | 1.98               | 1.56        |
| June         | 5.10          | 1.91        | 2.50               | 1.13        | 2.08             | .96         | 2.19              | .79         | 3.87               | 1.61        |
| July         | .66           | .82         | .35                | .46         | .30              | .51         | .33               | .21         | .76                | .71         |
| Aug.         | .72           | .95         | T                  | .50         | .24              | .55         | .18               | .21         | .70                | .89         |
| Sept.        | .17           | .94         | .02                | .63         | T                | .61         | .21               | .46         | .08                | .98         |
| Year         | 21.46         | 16.89       | 9.53               | 8.67        | 10.40            | 10.85       | 10.11             | 8.74        | 17.15              | 15.53       |

On an average for the nine stations the precipitation for the water year ending September 30, 1964, was 110% of normal. Most of the excess occurred in November, May and June.

\* Used 17 year average.



# EXPENDITURES DURING YEAR ENDING SEPTEMBER 30, 1964

## Engineers and Hydrographers:

|                 |                                |             |
|-----------------|--------------------------------|-------------|
| H. C. Eagle     | Salary, 1 year                 | \$11,393.60 |
| A. L. Larson    | Salary, 1 year                 | 9,743.20    |
| R. W. Harper    | Salary, 1 year                 | 6,001.60    |
| O. P. Mortensen | Salary, 4.35 mo. @ \$440 mo.   | 1,913.42    |
| Oleen Dummer    | Salary, 1 year WAE @ \$440 mo. | 2,432.47    |
| A. H. Bush      | Salary, 2.45 mo. @ \$440 mo.   | 1,077.26    |
| A. W. Wilson    | Salary, 3.55 mo. @ \$440 mo.   | 1,560.34    |
| Kay Kobayashi   | Salary, 40 days @ \$13.50 day  | 540.00      |
| S. B. Garrett   | Salary, 2½ days @ \$17.50 day  | 43.75       |

## Clerk:

|                   |                |          |
|-------------------|----------------|----------|
| Charlotte E. Wood | Salary, 1 year | 5,849.00 |
|-------------------|----------------|----------|

## River Riders:

|                 |                                                                   |          |
|-----------------|-------------------------------------------------------------------|----------|
| D. R. Anthony   | 83 days @ \$13.00 incl. mileage                                   | 1,079.00 |
| J. M. Brown     | 83 days @ \$13.00 incl. mileage                                   | 1,079.00 |
| J. A. Balmforth | 38 days @ \$14.00 incl. mileage,<br>plus trip to SRV canal \$3.00 | 535.00   |
| C. J. Anderson  | 87 days @ \$13.00 incl. mileage                                   | 1,131.00 |
| L. C. Anderson  | 83 days @ \$17.50 incl. mileage                                   | 1,452.50 |
| S. B. Garrett   | 83 days @ \$17.50 incl. mileage                                   | 1,452.50 |
| Elmer Lenz      | 2.59 mo. @ \$130 mo. incl. mileage                                | 339.67   |
| Seth L. Hansen  | 430 hr. @ \$2.25 hr. incl. mileage                                | 967.50   |
| David Peterson  | 2 days @ \$14.00 day                                              | 28.00    |
| Wm. T. Meador   | 68 days @ \$14.00 incl. mileage                                   | 952.00   |

## Miscellaneous:

|                                                                                                                     |          |
|---------------------------------------------------------------------------------------------------------------------|----------|
| Transportation, 30,977 miles @ 10¢ a mile                                                                           | 3,097.70 |
| Transportation, Government car, 1 year                                                                              | 2,003.76 |
| Telephone and telemark                                                                                              | 790.04   |
| Supplies & Equipment                                                                                                | 1,470.68 |
| Construction and Repairs                                                                                            | 697.27   |
| Gage Readers                                                                                                        | 805.00   |
| Bond Premium and Insurance (incl. hospital & life)                                                                  | 594.30   |
| Interest                                                                                                            | 52.19    |
| Social Security                                                                                                     | 407.78   |
| Subsistence                                                                                                         | 426.07   |
| Groundwater Investigations                                                                                          | 1,500.00 |
| Postage                                                                                                             | 395.07   |
| Retirement - Federal                                                                                                | 2,144.17 |
| Government travel, R. W. Harper                                                                                     | 358.26   |
| Government Travel, A. L. Larson                                                                                     | 159.10   |
| Government travel, H. C. Eagle                                                                                      | 65.10    |
| H. C. Eagle (Washington hearings, reimbursed by Sugar<br>Company in amount of \$360 paid to State<br>Repay account) | 347.61   |

TOTAL

\$64,885.51



Expenditures during year ending September 30, 1964, continued

Expenditures from various funds:

|                                               |                  |
|-----------------------------------------------|------------------|
| Consolidated State repay and Federal accounts | \$33,183.67      |
| Waterusers Funds                              | <u>31,701.84</u> |
| TOTAL                                         | \$64,885.51      |

In addition to the foregoing, upper valley members of the Committee of Nine were paid \$629.00 for services at \$10.00 per day and expenses, which was pro-rated among upper valley canals.

Funds on hand September 30, 1964

|                             |                   |
|-----------------------------|-------------------|
| Federal and State accounts  |                   |
| (Fiscal year begins July 1) | \$23,318.96       |
| Water District Funds        | <u>-3,850.14*</u> |
| TOTAL                       | \$19,468.82       |

\* Waterusers operating funds are collected after October 1 of each year. With operating costs increasing each year and assessments made on past year's costs, there is always a deficit at the end of September. The balance on hand on December 31, 1964, is \$10,334.44.

Federal funds provided are for the operation of 65 stream flow gaging stations which are located within and near the boundaries of Water District 36.



## A P P E N D I X

As a first step in preparing an operating manual for the Water District, a discussion of the 1964 computations and other matters are included in this report. Such a manual will be helpful for reference during regulation seasons and should promote a wider understanding of the details of river operations.

The contents of such a manual will be improved if those who receive this report will raise questions or offer suggestions on materials which may be obscure, missing, or in error.



## WATER DISTRICT NO. 36 OPERATIONS

### BEGINNING OF REGULATION SEASON

The 1964 irrigation season provides a good example for study of the details of river regulation. All reservoirs were full at the beginning of the season thus eliminating many complications that arise when this is not the case.

Referring to Plate 12 for the 1964 report one can determine when regulation starts. It is noted that the first drop in American Falls Reservoir is on July 9. Normal flow at Neeley on July 9 is computed by adding flow at Blackfoot (July 8) plus calculated inflow (9,240 + 2,809). This is sufficient to fill part of the March 30, 1921, right as follows:

|                  |            |
|------------------|------------|
| Minidoka Canals  | 2,726 cfs  |
| North Side Canal | 4,050      |
| Twin Falls Canal | 3,600      |
| Milner Low Lift  | <u>135</u> |
|                  | 10,511     |

The remainder (12,049 - 10,511) is 1,538 which is divided equally between Gooding project and storage in American Falls Reservoir (see explanation under Gooding March 30, 1921, decree in mimeographed decree book). The 769 cfs normal is shown under Gooding Canal on July 10.

There is some question as to how best to handle the 769 cfs stored to American Falls credit. As shown on Plate 12 it is included in the 9,323 normal flow shown under Snake River near Minidoka. Probably a better computation would be to deduct it from the above figure leaving 8,554 normal at Minidoka. This is the amount needed to fill downstream normal flow (4,050 + 3,600 + 135 + 769). As



computed on Plate 12 it indicates that the 769 cfs went downstream for storage in Lake Milner.

#### STORAGE COMPUTATIONS AT RIVER STATIONS

For July 10 the normal at Neeley is 7,780 plus 2,756 cfs. This is distributed as follows and fills most of the August 6, 1920 right.

|                 |            |
|-----------------|------------|
| Minidoka canals | 2,726      |
| North Side      | 4,075      |
| Twin Falls      | 3,600      |
| Milner Low Lift | <u>135</u> |
|                 | 10,536     |

The first drop of consequence at Jackson Lake occurs on July 9, as shown by lower contents on the morning of July 10. The drop of 1,060 acre-feet is equal to 580 cfs. Deducting 1.7% loss this becomes 570 at Alpine. Palisades Reservoir did not change and after deducting 0.8% loss the stored at Heise is 565. There were no stored diversions and no stored inflow from Henrys Fork. Subtracting 4.88% loss to Shelley and 6% loss to Blackfoot leaves 505 cfs storage at Blackfoot on July 12. The normal at Blackfoot is (4,980 - 505) 4,475. This added to calculated inflow of 2,752 gives a normal of 7,227 at Neeley on July 13. This is enough to fill part of the August 7, 1905 right, as follows:

|                 |              |
|-----------------|--------------|
| Minidoka Canals | 1,726        |
| North Side      | 2,501        |
| Twin Falls      | <u>3,000</u> |
|                 | 7,227        |

The drop at Jackson on July 10 is 650 cfs which becomes 639 at Alpine. Palisades Reservoir dropped 3,000 a.f. on July 11 which would equal 1,510 cfs. As will be explained later there are fluctuations in the reservoir and exact drops each day are not always used.



Instead adjustments are made to smooth out some of the extremes. For July 11, 1,010 cfs was used as the drop. This added to 639 gives 1,649 stored at Irwin and 1,463 at Blackfoot.

On July 13 the storage release at Jackson was 450 cfs or 442 at Alpine on July 14. Palisades Reservoir stored 3,000 a.f. or 1,510 cfs, making a stored release at Irwin of -1,068 (442 - 1,510). This means that the water was stored at Palisades and withdrawn instead from American Falls Reservoir. This gives a -947 cfs storage balance at Blackfoot on July 16. The normal flow at Blackfoot is the actual flow (3,510) minus the -947 stored balance or 4,457 cfs. If Palisades Reservoir had remained level on July 14 instead of storing the 3,000 a.f. there would have been 1,510 cfs more released. This would have been about 1,340 cfs more at Blackfoot and actual discharge there on July 16 would have been 4,850 cfs. The 442 cfs storage at Alpine would have been 393 at Blackfoot. Normal flow would have been (4,850 - 393) 4,457 which is the same as computed above.

From the above it will be noted that storage is moved down the river from Moran to Blackfoot on the basis of a loss schedule. From reservoir releases the appropriate losses and diversions are deducted to determine stored water at next downstream station.

From Blackfoot to Milner the computations are based on normal flow data. To the normal at Blackfoot is added inflow Blackfoot to Neeley to obtain normal at Neeley. Normal flow deliveries to Minidoka project are deducted from Neeley normal to obtain Minidoka normal. This is then distributed to Milner canals according to their priorities.



### BALANCING STORAGE COMPUTATIONS

It will be noted that the figures under Theoretical Balance of Storage at Blackfoot and Snake River near Blackfoot stored column are the same through July 18. Up until the time the October 11, 1900 rights are cut in the upper valley there is some stored water being run past Blackfoot to the lower valley users. The figures for the above-mentioned columns are the same for this period because of the method of computation. After that right is cut all the normal flow is theoretically used by upper valley canals and lower valley storage needs are supplied from American Falls Reservoir.

If it were possible to perfectly control the reservoir releases only enough water would be turned down to completely fill all diversions and no storage would pass the Blackfoot gage. Under these conditions the flow at the Snake River near Blackfoot gage would consist of about 190 cfs inflow (1964 conditions) plus the inflow from the Blackfoot River.

The daily river computations are simplified after the October 11, 1900 rights are cut by using a normal flow at Blackfoot of the 190 cfs plus the flow of the Blackfoot River. This is shown on Plate 12 for July 22 for instance. Blackfoot River flow was 14 cfs and normal flow is computed as 204. The stored figure is 996 compared to a Theoretical Balance of 19. This indicates that the decreed rights should have been cut back another 975 cfs on that day.

There are many fluctuations in diversions and supply (especially during the first few days after upper valley regulation begins). It is impractical to change the rights being filled each day to account



for all these variations. Substantially the same result is accomplished by adjusting computations to make the two columns (Theoretical Balance of Storage and Stored for Snake River near Blackfoot) add up to the same total at the end of the season.

During the season a running total is kept of these two computations and changes in decrees being filled are made to keep them in balance. It is the practice to delay cuts for a few days at the start of the season to allow for possible heavy losses when the reservoir and rivers are high. This assures the normal flow rights of not being deprived of water that they might lose if cuts in rights followed immediately the actual river drops. This delay in cuts causes the above computations to get out of balance. It is compensated for later in the season when reservoirs are dropping and some return flow from bank storage is being added to river flow.

Computations on Plate 12 were made each day during the regulation season to guide in the cutting of decrees. As originally computed the two columns at Blackfoot were the same through July 22. On July 23 the October 11, 1900, rights were cut off above Blackfoot and the Snake River near Blackfoot normal was computed as  $(190 + 4) 194$ .

At the end of the season after final figures were available for canal diversions and river stations the figures on Plates 12, 12A, and 13 were revised. These corrected data showed season totals on Plate 13 of 108,429 for Theoretical Balance of Storage at Blackfoot and 103,375 under Stored column for Snake River near Blackfoot. This indicated that computations should be changed to show more stored water (thus less natural flow) at Blackfoot. This was accomplished



by using 190 plus the flow of Blackfoot river for July 20, 21, 22. The remainder of the needed adjustment was taken care of on July 19 making the totals for the season balance.

The above adjustments balance the computations so that all storage can be accounted for and theoretically properly divides natural flow and storage diversions. In many years there is a surplus of stored water spilled during the last few days of the season when canals are cutting down. The adjustment can then be made during this period instead of at the beginning of the season. The adjusted records indicate that the October 11, 1900 rights should have been cut on July 19 instead of July 23 to balance the season operations. During the above four days storage was charged to lower valley canals that should have been charged to upper valley canals.

There is often uncertainty as to when to start upper valley regulation. If daily canal readings were available it is likely that regulation would commence a few days earlier. However, it is doubtful if this would benefit the lower valley users to any extent. If regulation were in effect many of the upper valley canals would cut their diversions. This would mostly be reflected in reduced spill to the river and would not make much difference in the natural flow at Blackfoot. Also, as mentioned earlier, the cuts in decrees are purposely delayed a few days in the early season to assure no infringement on natural flow rights. With adequate storage available in most years it seems a useless expense to start obtaining daily readings before they are required. This is emphasized by the fact that a great part of the added expense would be borne by the large users in the lower valley.



Commencing on July 16, storage charges were started in the upper valley. These are tabulated on Plate 12 as "Stored Diversions" Heise to Shelley and Shelley to Blackfoot. These figures are subtracted from available storage supply to obtain the storage at the next downstream gaging station.

On July 21 and through September 30, figures are shown in column headed Stored Inflow Henrys Fork. These figures indicate the amount of stored water that is being delivered or withheld from the main river by Henrys Fork users. This storage is added to the computed storage at Shelley and is carried downstream. Details of the computations of this Henrys Fork storage balance are discussed in another section.

During the summer storage releases at Moran were computed each day and entered on Plates 12, 12A and 13. For the period July 9 to August 14, the drop in Jackson Lake was  $(851,900 - 726,500)$  which is 125,480 acre-feet or 63,263 24-hr cfs. Provisional daily figures were smoothed and adjusted to obtain a total of 63,263 under the stored column for Snake River at Moran. After subtracting 1,074 cfs loss this becomes 62,189 inflow to Palisades Reservoir.

An erroneous reading on July 17 indicated that Jackson Lake had stored water for the period July 15 and 16. The negative storage balance at Moran had been carried down the river in all computations and was not discovered until all computations had been completed. Had these days been corrected to show a plus storage release some other days would have had to be reduced a like amount. The net results for the season would not be changed and no attempt was made to correct the computations.



For provisional computations daily releases at Palisades were listed in the reservoir contents column of Plates 12, 12A and 13. The total for period July 11 to August 15 was 81,414 cfs. Palisades drop was (1,405,000 - 1,243,000) which is 162,000 acre-feet or 81,675 cfs. The above provisional dailies were smoothed and adjusted to obtain a total of 81,675. The daily figures for Snake River near Irwin were then computed by adding the revised daily release figures to the daily inflow figures. The total for Plate 12 is 143,864. This is equal to the 62,189 plus 81,675 and is a check on computations.

All totals shown for storage should check from Moran to Blackfoot. They will not check exactly from Blackfoot to Milner. There is a difference owing to loss or gain in American Falls Reservoir and in the river from Neeley to Milner. These differences should be analyzed and commented on each year in the text of the report.

#### CANAL DIVERSIONS

In order to compute daily storage deliveries it is necessary to record each canal diversion. This is accomplished by obtaining daily gage readings. River riders phone in these readings which are listed on a work sheet in the Water District office. Current-meter measurements are obtained on each canal at about ten-day intervals. From these measurements and the gage readings the daily discharge for each canal is computed and entered on the work sheet. These diversions are totaled for various sections of the river and the total diversion figures are included in reports sent out from the District office. In 1964 these reports were sent out three times a week instead of five times as in prior years. The reports include contents of reservoirs, discharge at many river stations, decrees



being filled, precipitation data and other significant information. They are used by the canal officers in their operation schedules.

Reservoir releases are adjusted to keep sufficient water in the river for all canals yet to avoid spilling large amounts of water past the lowest canal at Blackfoot. Most of the 215,000 acre-feet of stored water passing Blackfoot in 1964 was during the period July 19 to October 17. This is an average daily flow of 1,340 cfs of stored water and is greater than in many years. The best management of the river system requires keeping as much water as possible in the upper reservoirs. This calls for low spills at Blackfoot. With the abundance of water in 1964 and the large reservoir holdovers this is of little consequence. American Falls will fill in 1965 and the spill at Milner will be only slightly different than if more water had been retained upstream.

A record of daily storage diversions of each canal is computed and tabulated on almost a daily basis during the regulation season. The figures of storage diversions in each section of the river are required to properly regulate the decrees in effect. Also a cumulative total of storage used is needed by each canal. It enables the individual watermasters to plan diversions for the balance of the season and is required in the District office to insure that storage allotments are not overdrawn.

To determine the storage diversions for each canal reference is made to the mimeographed decree book. On the District work sheet the name of each canal is tabulated. At the left of the sheet the amount of decree in effect for each canal is written. The storage for each day is then determined by subtracting this figure from the total



amount diverted by the canal. This is the figure that is entered on the canal storage sheet. As regulation continues and decrees are cut or restored the figures at the left of the work sheet are changed.

A storage sheet is prepared for each canal showing storage allotments for the season. The daily storage diversions are entered on this sheet and cumulative totals determined frequently. As discharge measurements are obtained the daily discharge for canals is computed. The provisional storage charges are revised to fit final discharge computations and new cumulative totals are computed. This makes storage information available for each canal watermaster. It is transmitted either by phone or by mailing a memorandum to the watermaster. Many canals have sufficient storage so that they need not watch their diversions closely. One of the responsibilities the Water District 36 watermaster must assume is to watch the individual storage accounts and advise with those who may be in danger of exhausting their storage supply.

When final records of canal diversions are available the figures on canal storage sheets are adjusted and totaled. These figures are then tabulated on Plate 14.

Direct supervision of canal diversions below Neeley is under the Burley Office of the Bureau of Reclamation. Gage readings for all canals are reported daily to the Burley office along with requests for changes in deliveries. Releases from American Falls and Lake Walcott are scheduled by the Bureau of Reclamation to fill canal demands. Information is phoned to the Watermaster's office in Idaho Falls for inclusion in current reports.

Records of all canal diversions (upper and lower valley) are computed in the Water District office in Idaho Falls together with



storage computations. When required, information is exchanged between Idaho Falls and Burley to assure a harmonious operation of the river.

#### STORAGE ALLOTMENTS

It is the responsibility of the Bureau of Reclamation to determine the storage allotments for each canal for the reservoirs under its supervision. For years such as 1964 this is a simple matter since all reservoirs were full at the beginning of the season. Each canal was, therefore, allotted the full amount of space that they owned in the reservoir. Storage allotments are shown in the text of the report and also on Plate 14.

When all reservoirs do not fill more involved computations are required. Reference must be made to the amount and location of hold-overs for each canal. In such years the Water District records should show these figures either in the previous annual report or in later computations that can be included in the current year's report. This data is shown on pages 26 and 27 of the 1963 report. In such years close consultation is required between Water District and Bureau of Reclamation personnel to determine the end of the storage season and the amount of water to be credited to various reservoirs.

In years when it appears that all reservoirs may not fill it is helpful to make preliminary computations as the storage season progresses. This can be done either by the Watermaster or Bureau officials and such information circulated to interested parties. Discussion of various viewpoints can follow as required with time to resolve differences prior to the end of the storage period.



### INFLOW TO AMERICAN FALLS RESERVOIR

Inflow to American Falls Reservoir is computed for the May to September period. This inflow plus the normal flow at Blackfoot determines the amount of normal flow available for lower valley canals.

Inflow computations are based on the results of studies by T. R. Newell for a few years before and after American Falls Dam was built. Gaging stations were established above the reservoir flow line on the inflowing streams and a formula developed for computing the unmeasurable inflow (unmeasured inflow in second feet = 840 plus  $1/3$  measured inflow). During the May to September period measurements are made at two or three-week intervals on the inflowing streams. Discharge for intervening days is interpolated and results tabulated on Plate 11. Records for Portneuf River at Pocatello are computed from a continuous recorder. Daily records of wastes from the Aberdeen project are furnished by Mr. Jake Isaak, manager. The Newell formula is somewhat modified to allow for high early season flows in the Portneuf River and canal wastes.

With increased groundwater pumping and especially with the pumping of water from the Portneuf River by the Fort Hall Michaud Project further modifications of the inflow computations are required. On Plate 11 of the 1964 report the actual daily inflow is computed and totaled by months. Below this data the daily pumping from the Portneuf is shown. This figure was added to the actual inflow each day to obtain a theoretical inflow. This theoretical inflow was used on Plates 12, 12A and 13 in computing the normal flow at Neeley. The above computations comply with section 8 (b) of Fort Hall Michaud - Palisades contract.



With increased pumping from ground water there has likely been a reduction in the inflow to American Falls Reservoir. This is of little consequence in years when American Falls Reservoir fills. Storage charges are made against Simplot, Westvaco, City of Pocatello and the Fort Hall Michaud project in accordance with terms of their Palisades contracts. This usually results in a credit to Palisades reservoir. However, in a year when American Falls does not fill that reservoir would receive this credit since it is the one that has been deprived of the extra inflow.

#### MINIDOKA PROJECT

Decreed rights of 1,726 cfs of March 26, 1903 priority and 1,000 cfs of August 6, 1908 priority are owned by the Minidoka canals. Computations on Plates 12, 12A and 13 do not divide this decree between the Burley and Minidoka Irrigation Districts. However, it is necessary in many years to make a division of the water between the two districts. This division is also required in apportioning the costs of water distribution by Water District 36. An approximate division of total diversions is made each year and shown in tabulation of canal diversions in the text of the Watermaster's report (P. 17). This division is based on data furnished by the Bureau of Reclamation showing proportion of water in South Side Minidoka Canal going to each district.

Tabulated below is a summary of the various rights available to the two districts:

| Right                     | <u>Burley District</u> | <u>Minidoka District</u> |
|---------------------------|------------------------|--------------------------|
| Natural flow rights       | 38%                    | 62%                      |
| Lake Walcott contents     | 33½%                   | 66½%                     |
| Gains Neeley to Milner    | 33½%                   | 66½%                     |
| Minidoka North Side Canal | 0                      | 100%                     |
| Minidoka South Side Canal | 84% (about)            | 16% (about)              |



The Neeley to Milner gain is discussed on page 30 of the 1964 report. This gain is credited to Minidoka canals for periods when they are drawing storage.

In years when all reservoirs do not fill the storage diversions and reservoir holdovers for the two Minidoka Canals for the previous season can be computed on the basis of the above rights.

In most years Lake Walcott is not drawn down and its contents is not used. However, it can be drawn down in dry years for use by the above canals.

#### IDAHO POWER COMPANY RIGHTS

The rights of the Idaho Power Company are set out in a contract with the United States Commissioner of Reclamation, October 13, 1921.

Among the rights acquired by the company are the "entitlement to the perpetual use of 45,000 acre-feet of storage capacity" of American Falls Reservoir and a secondary right to the following flow at Twin Falls:

|                 |                          |
|-----------------|--------------------------|
| 690 second-feet | October 1 to November 30 |
| 790 second-feet | December 1 to January 31 |
| 690 second-feet | February 1-12            |
| 590 second-feet | February 13 to April 15  |
| 690 second-feet | April 16 to June 10      |

There are certain restrictions on the above rights. For instance, the above flows need not be maintained in any year after storage draft has started on American Falls Reservoir. Neither are the October flows required until storage in American Falls has started.

Each year a figure is included in the annual report showing the amount of water spilled past Milner in excess of Idaho Power Company rights.

The computations for 1964 are tabulated below:



Milner spill and excess over Idaho Power rights  
(all figures in acre-feet)

| <u>Period</u>           | <u>Idaho Power Right *</u> | <u>Observed run-off</u> | <u>Excess</u> |
|-------------------------|----------------------------|-------------------------|---------------|
| Oct. 1 to Nov. 30, 1963 | 83,480                     | 123,640 (Kimberly)      | 40,160        |
| Dec. 1 to Jan. 31, 1964 | 97,150                     | 238,900 "               | 141,750       |
| Feb. 1-12               | 16,420                     | 40,980 "                | 24,560        |
| Feb. 13 to Apr. 15      | 73,730                     | 208,660 "               | 134,930       |
| Apr. 16 to June 10      | 76,640                     | 786,240 "               | 709,600       |
| June 11 to Sept. 30     | 45,000                     | 484,540 (Milner)        | 439,540       |
| Totals                  | 392,420                    | 1,882,960               | 1,490,540     |

In 1964 storage charges against the Idaho Power Company primary right were started on July 9. Total stored release at Milner through September 30 was 27,362 cfs. On Plate 14 daily storage charges to the Power Company are shown. Actual discharge on some days was greater than desired by the company and storage charges were reduced. The total on Plate 14 was computed as 21,089 cfs or 41,829 a.f. This is 3,171 a.f. less than the company's 45,000 right. This is of academic interest only as the flow during the 1964-65 storage season will remain well above power requirements.

SUPPLY AND DISPOSAL OF STORED WATER

An accounting is made each year of stored water available at the beginning of season and its disposal. This accounting appears on page 24 of the 1964 report.

The supply consists of the contents of the various reservoirs prior to the start of storage withdrawal. In addition the Sheridan Creek natural flow right (Plate 21) and gain Neeley to Milner are listed for convenience in accounting.

Figures in the disposal accounting are obtained from the several plates of the report. Storage used by Snake River rights is shown by grand total figure on Plate 14. The figure for Henrys Fork rights



is the total for various sections of Henrys Fork on Plate 22 plus total for Teton River from Plate 23. Transmission loss figure for Snake River is the sum of the losses in the several sections of the river as totaled on Plate 13. That for the Henrys Fork is obtained from Plate 21. Cross Cut loss is computed on Plate 23A.

It will be noted that there was a theoretical balance of storage at Blackfoot on Oct. 15-17. This was storage water in transit from reservoirs which is not accounted for at Neeley. It has, therefore, been included in the Disposal tabulation and was actually delivered to American Falls storage.

The Milner stored total for the season is segregated as follows:

|                                                 |              |               |
|-------------------------------------------------|--------------|---------------|
| Idaho Power Co. (July 9 to Sept. 30) (Plate 14) | 21,089 cfs   | 41,829 a.f.   |
| Milner Stored Oct. 1-17                         | 6,991        | 13,866        |
| Operation waste (July 9 to Sept. 30)            | <u>5,281</u> | <u>10,475</u> |
| Total                                           | 33,361       | 66,170        |

In 1964 there was a difference of only 2,227 acre-feet between the total supply and the total disposal with more water accounted for than required. The small difference is much less than the accuracy of water measurements and less than observed in most years.

In many reports in prior years the computations made the figures of supply and disposal balance. Referring to pages 26 and 27 of the 1958 report it will be noted that both supply and disposal totaled 4,189,760 acre-feet. Whatever small difference existed in computations was apparently eliminated by an adjustment to the figures of operation waste past Milner.

On pages 26 and 27 of the 1959 report the accounting shows a difference of 41,386 acre-feet which was taken care of by showing an adjustment of that amount. In that year storage withdrawals from



American Falls started early in April. Water was stored adversely in Jackson Lake and Palisades reservoirs until July 8, when upper valley regulation began. With the varying dates of allotments for the different reservoirs a strict accounting of all storage was not obtained. Fortunately American Falls reservoir filled in 1960 thus canceling the effect of any errors in the 1959 storage computations.

So far as possible reservoir allotments should all be made on the same date (with account taken of time of travel between reservoirs). After withdrawals start at American Falls there may still be some storage to credit to all reservoirs. This will usually be determined by computations on Plate 12 and can become quite involved. The basic rule is to divide available storage with preference to reservoirs according to the priorities of their storage rights.

#### HENRYS FORK REGULATION

Supervision of Henrys Fork diversions is under direction of a deputy watermaster at St. Anthony. Daily readings are obtained on all canals and provisional computations made in the St. Anthony office. A summary of data is sent daily to the Idaho Falls office to furnish required information for a coordinated river operation.

Current-meter measurements are made on all canals at about two-week intervals and results used in day-to-day discharge computations.

Releases from Island Park reservoir are ordered by the St. Anthony office to keep sufficient water available for the lowest diversions below St. Anthony. When a shortage develops on the Teton River, stored water is delivered through the Cross-Cut Canal from the Henrys Fork. Storage is run from Grassy Lake as required for



delivery to Fall River canals. A fairly uniform release of water from Henrys Lake is made throughout the season with usually somewhat less water released than the Henrys Lake storage used.

Records are sent to the Idaho Falls office at the end of each month where final discharge computations are made. These final records are furnished to the St. Anthony office so that their provisional storage computations may be revised.

#### STORAGE COMPUTATIONS

Reference is made to Plate 21 of the 1964 report for details of storage computations. The drop in Henrys Lake is computed between available gage readings and converted to daily second-feet. These figures are shown under "Henrys Fork near Lake - Stored". There is no practical means of determining the inflow to Henrys Lake, which is a factor in computing the stored release from the lake. Occasional observations are made of the more important streams entering the lake. These do not include some submerged streams and many small springs around the lake. Past records indicate that there is a loss of around 3,000 acre-feet from Henrys Lake during the summer.

Figures in stored column are adjusted to obtain a total stored release which is somewhat more than the drop in Henrys Lake contents minus 3,000 acre-feet. For example, total for 1964 is 8,793 cfs or 17,441 acre-feet. Drop in Henrys Lake was 82,300 minus 62,800 or 19,500, which indicates a 2,059 acre-feet loss.

Daily storage releases are run down the river as shown on Plate 21. Storage losses of 4% are charged from Henrys Lake to Island Park and 2.5% from Island Park to Ashton. A Sheridan Creek natural flow right of 12.0 cfs is owned by the Fremont-Madison



showing 12 cfs stored inflow to Island Park. In dry years the Sheridan Creek supply is not sufficient to furnish the full 12 cfs. In such years a smaller figure is shown. Several users from Sheridan Creek or other Island Park tributaries own storage water. They are permitted to divert a part or all of the above 12 cfs of normal flow and are charged a corresponding amount against their storage allotments. For many years it has been the practice to charge against storage only 50% of the actual diversions in headwater areas. This assumes that half of the water diverted gets back to the river during the irrigation season.

Storage releases from Island Park are computed by converting daily reservoir drop to second-feet and adding the figure of stored inflow. An adjustment is made to compensate for heavy loss during early part of season when reservoir is high. These adjustments are explained on pages 31 and 32 of the 1964 report and in many previous reports.

Storage releases from Grassy Lake are converted to daily second-feet and listed on Plate 21. A one-day time of travel is accounted for by listing one day later than actual release. Total of stored release for season is made to equal the stored drop with no charge for reservoir loss.

#### CANAL DELIVERIES

A work sheet is kept in the St. Anthony office listing each canal. Daily gage readings and discharges are entered on this sheet. Also, a separate sheet is prepared for each canal on which storage allotments and daily storage diversions are shown. This data is



amount of decreed right owing the canal. The difference is the storage diversion for that day. These figures are based on preliminary discharge computations. When final figures are furnished from Idaho Falls the preliminary figures are revised.

A cumulative total of storage diversions is kept throughout the season and canal watermasters are advised concerning their storage accounts. In many years some canals divert water in excess of their natural flow and storage rights. This excess is balanced by either exchange or rental from other canals or rental from Fremont-Madison District.

Total storage diversions for groups of canals are entered on Plate 21 and used in computing stored balance at Rexburg.

For a balanced operation of the river the total storage releases from reservoirs should be equal to total of stored loss plus stored diversions. This would produce a zero figure in the "stored" column for Henrys Fork near Rexburg. This would be modified by credits for storage used by Henrys Fork canals from their allotments in downstream reservoirs. See page 37 of 1964 report for details.

Briefly, there was 11,305 acre-feet of storage diversions by Henrys Fork users in 1964 which was charged to their allotments in American Falls, Jackson and Palisades Reservoirs. Not considering any river loss the above figure added to -30,123 acre-foot storage balance at Rexburg leaves 18,818 acre-feet owing the main river by Henrys Fork users. This is water that was delivered from Palisades or American Falls reservoirs instead of from the Henrys Fork reservoirs.

Allowing a deficit in Henrys Fork operations is consistent with the practice of keeping all possible holdovers in upstream reservoirs.



However, it must be understood that in years when American Falls Reservoir does not fill a part of the Island Park, Grassy Lake, or Henrys Lake storage may be credited to American Falls (see page 38 of 1961 report). This deficit can be prevented, if desired, by releasing more water from the above reservoirs either during or after the irrigation season. It is well to notify Fremont-Madison officers of their approximate storage situation about midseason. They can then advise if they wish to draw more from their reservoirs to reduce the end of season deficit.

#### REGULATION SCHEDULE

In many years the water supply on the Henrys Fork drops below the canal demands a few days earlier than on the main river. In this event cuts in decreed rights and release of stored water may start there earlier than on the main river. As a rule the demands on the main river increase rapidly and the decrees in effect soon coincide with those on the Henrys Fork. Thereafter they usually follow the main river regulation schedule.

In most years the supply on the Teton River is insufficient to operate on the main river schedule (this was not true in 1964). Decreed rights are cut back to earlier years to balance the available supply with the canal diversions. Stored water is then run through the Cross Cut Canal to furnish canal demands in excess of normal flow. Decrees in effect are determined to keep storage deliveries to canals about equal to storage received from Cross Cut less storage spilled back to Henrys Fork. Allowance is made in storage deliveries for storage being delivered in Teton Basin. An extra charge is made against Teton Canals for loss in Cross Cut Canal. No charge was



made in 1964 owing to the small amount of storage actually used from Gross Cut supply.

#### STORAGE ALLOTMENTS

The Fremont-Madison District makes the allotments of its space in Island Park and Grassy Lake Reservoirs. In 1964 they allotted 132,630 acre-feet from a total supply of 149,500 acre-feet.

Permits and licenses for Henrys Lake total 79,350 acre-feet. See page 36 of 1964 report for details of its allotment.

#### TETON BASIN

Water distribution in Teton Basin is handled by a deputy watermaster under the supervision of the Idaho Falls office. A deputy watermaster is usually appointed for the Leigh Creek area who supervises individual diversions. Waterusers in Teton Basin are encouraged to start diversions as early as possible in the spring. The spreading of the early water builds up the groundwater table and thus provides a larger river flow during the irrigation season.

Stored water diversions by Teton Basin users, through exchange for natural flow belonging to prior downstream rights, are on the basis of diverting 1.625 times the amount of replacement storage delivered to lower Teton River at the St. Anthony gaging station, in accordance with an agreement reached by upper and lower users on Teton River in 1949.

In most years there is insufficient water available in the Teton Basin streams to deliver the full amount of stored water owned by the Teton Canals. In many years a few of the canals are able to divert more water than their natural flow and storage rights allow. In this case the excess amount diverted is rented from other canals in the area or from the Fremont-Madison District.



## SWAN VALLEY

A deputy watermaster is in immediate charge of regulation in Swan Valley under the direction of the Water District office. In recent years Palisades storage has been obtained by most Swan Valley users. Practically all the available natural flow of the creeks is diverted in exchange for this stored water.

In most years the discharge of streams is not sufficient to supply all demands. The Swan Valley deputy also serves as a local watermaster, dividing the water among the various waterusers.

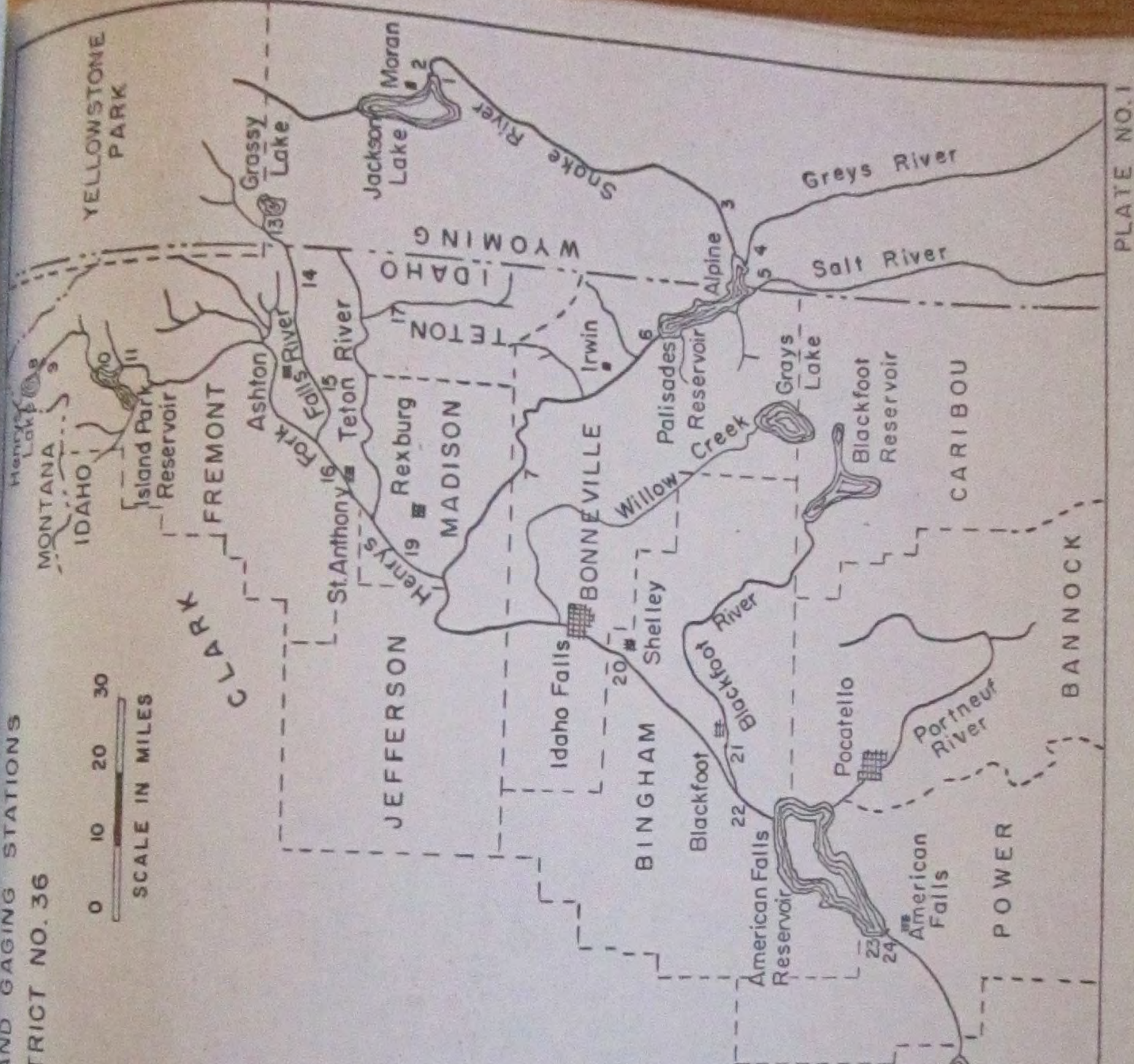


# PRINCIPAL STREAMS AND GAGING STATIONS WATER DISTRICT NO. 36

| NO. | STATION                                     |
|-----|---------------------------------------------|
| 1   | JACKSON LAKE AT MORAN                       |
| 2   | Snake River at MORAN                        |
| 3   | Snake River ABOVE RESERVOIR NEAR ALPINE     |
| 4   | GREYS RIVER ABOVE RESERVOIR NEAR ALPINE     |
| 5   | SALT RIVER ABOVE RESERVOIR NEAR ETNA        |
| 6   | Snake River NEAR IRWIN                      |
| 7   | Snake River NEAR HEISE                      |
| 8   | HENRYS LAKE NEAR LAKE                       |
| 9   | HENRYS FORK NEAR LAKE                       |
| 10  | ISLAND PARK RESERVOIR NEAR ISLAND PARK      |
| 11  | HENRYS FORK NEAR ISLAND PARK                |
| 12  | HENRYS FORK NEAR ASHTON                     |
| 13  | GRASSY LAKE NEAR MORAN                      |
| 14  | FALLS RIVER NEAR SQUIRREL                   |
| 15  | FALLS RIVER NEAR CHESTER                    |
| 16  | HENRYS FORK AT ST. ANTHONY                  |
| 17  | TETON RIVER ABOVE SO. LEIGH CR. NEAR DRIGGS |
| 18  | TETON RIVER NEAR ST. ANTHONY                |
| 19  | HENRYS FORK NEAR REXBURG                    |
| 20  | Snake River NEAR SHELLEY                    |
| 21  | BLACKFOOT RIVER NEAR BLACKFOOT              |
| 22  | Snake River NEAR BLACKFOOT                  |
| 23  | AMERICAN FALLS RESERVOIR AT AMERICAN FALLS  |
| 24  | Snake River AT NEELEY                       |
| 25  | LAKE WALCOTT NEAR MINIDOKA                  |
| 26  | NORTH SIDE MINIDOKA CANAL NEAR MINIDOKA     |
| 27  | SOUTH SIDE MINIDOKA CANAL NEAR MINIDOKA     |
| 28  | Snake River NEAR MINIDOKA                   |
| 29  | P. A. LATERAL NEAR MILNER                   |
| 30  | MILNER LOW LIFT CANAL NEAR MILNER           |
| 31  | GOODING CANAL AT MILNER                     |
| 32  | NORTH SIDE TWIN FALLS CANAL AT MILNER       |
| 33  | SOUTH SIDE TWIN FALLS CANAL AT MILNER       |
| 34  | Snake River AT MILNER                       |

MINIDOKA  
TWIN FALLS  
JEROME  
Snake River  
Buhl  
Twin Falls  
Milner  
Dam  
Rupert  
Burley  
Lake Walcott  
CASSIA

SCALE IN MILES  
0 10 20 30





November

December

January

February

March

April

May

June

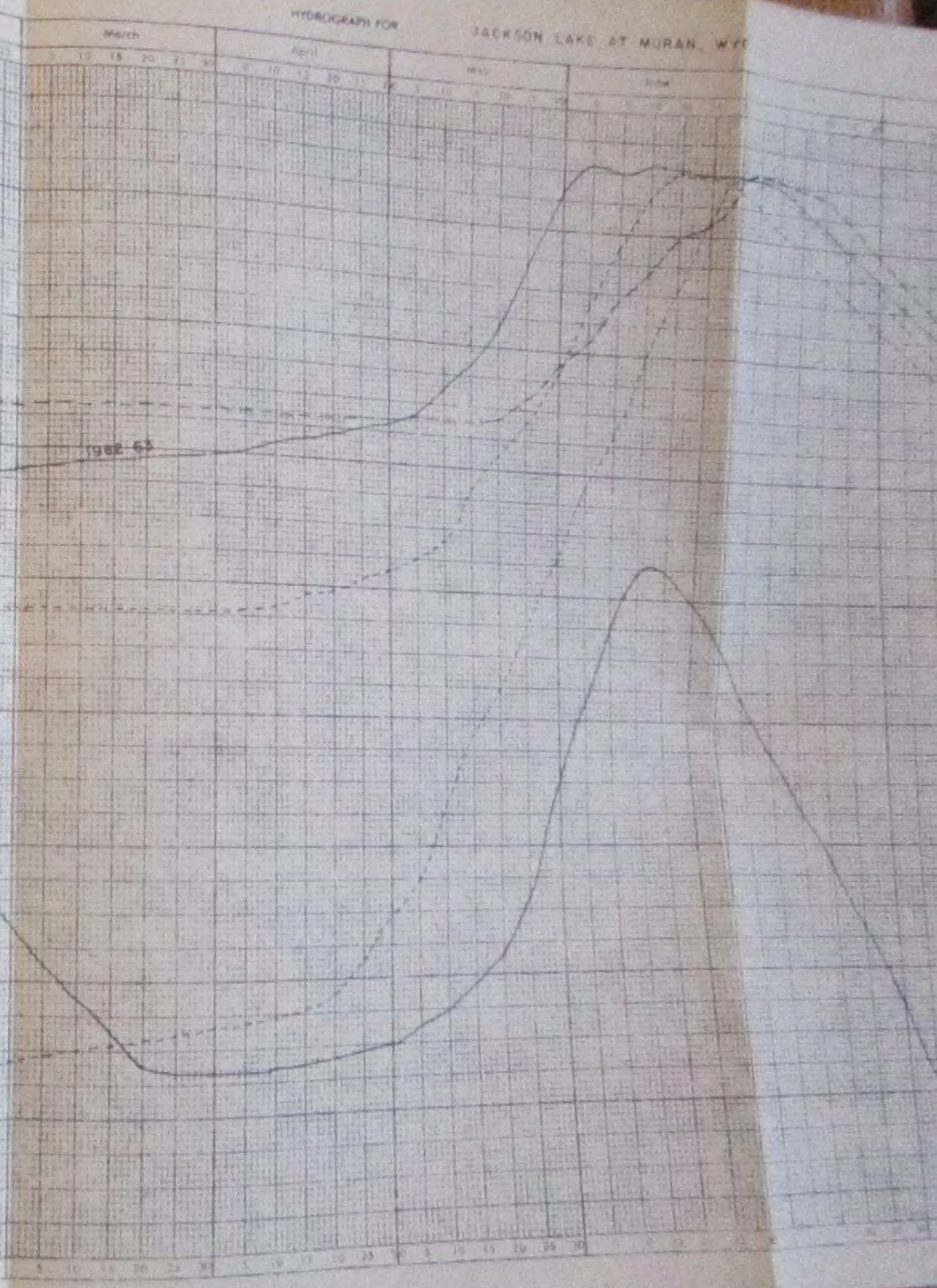
1953-54

1952-53

1959-60

1960-61

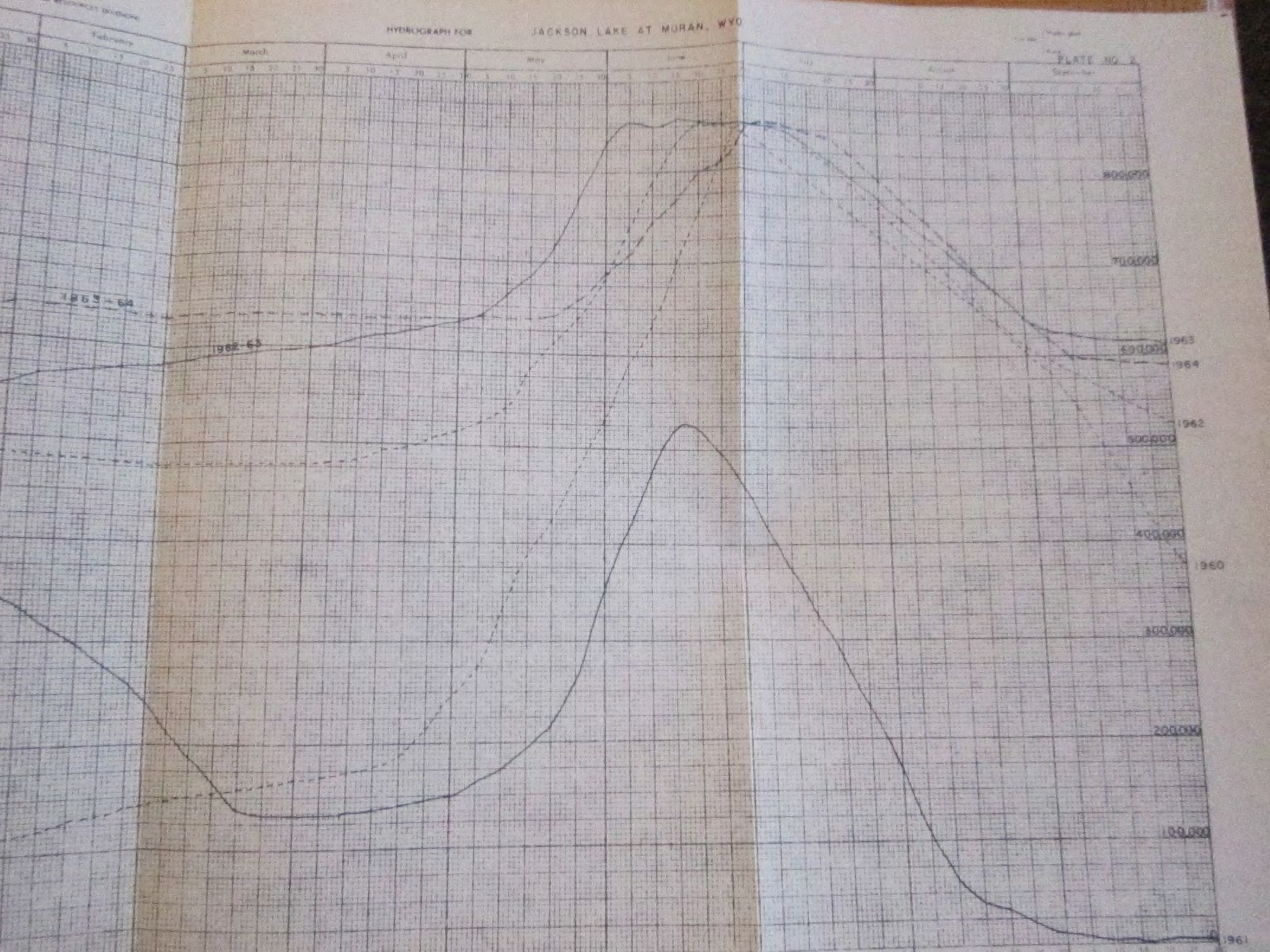
1961-62



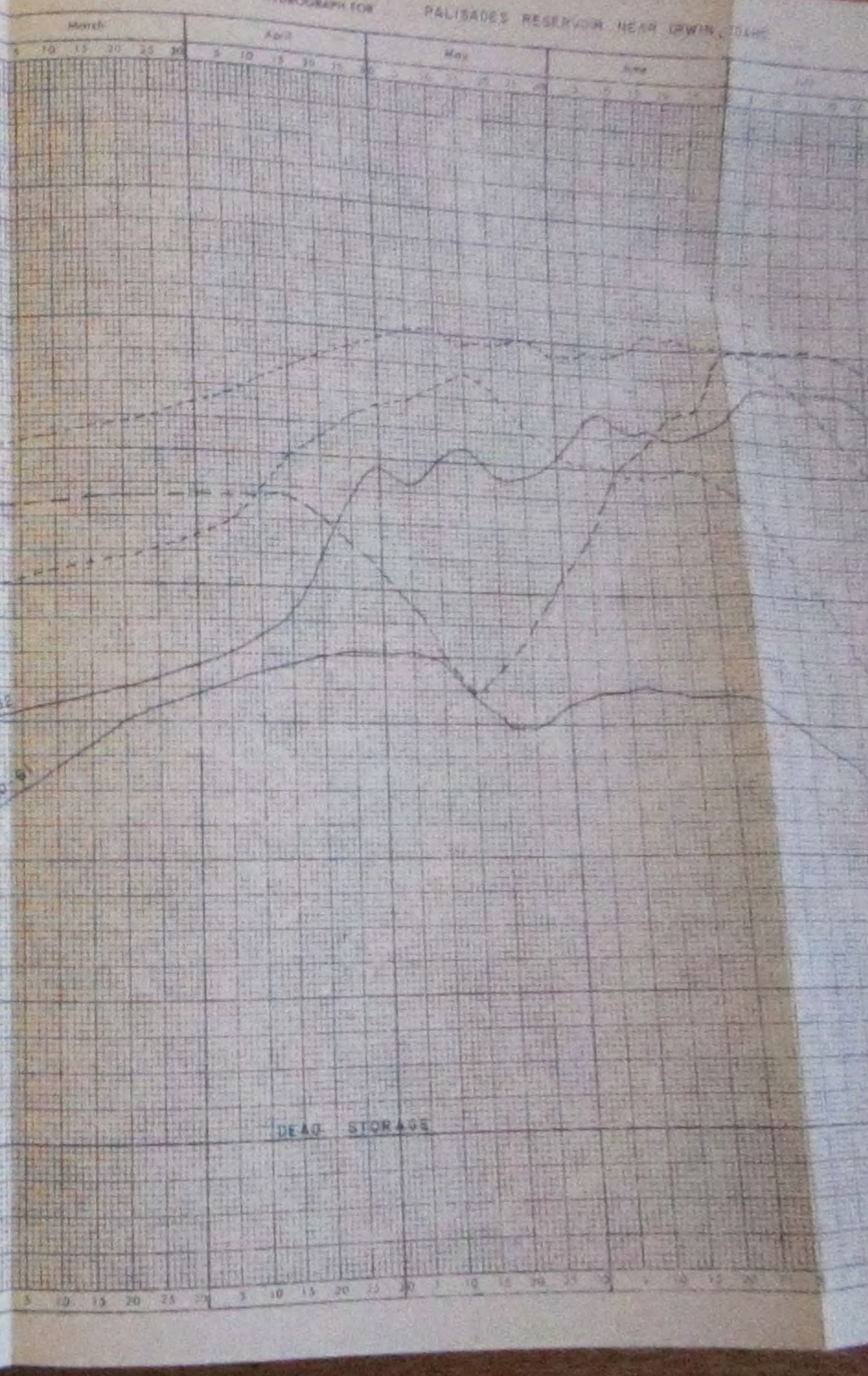
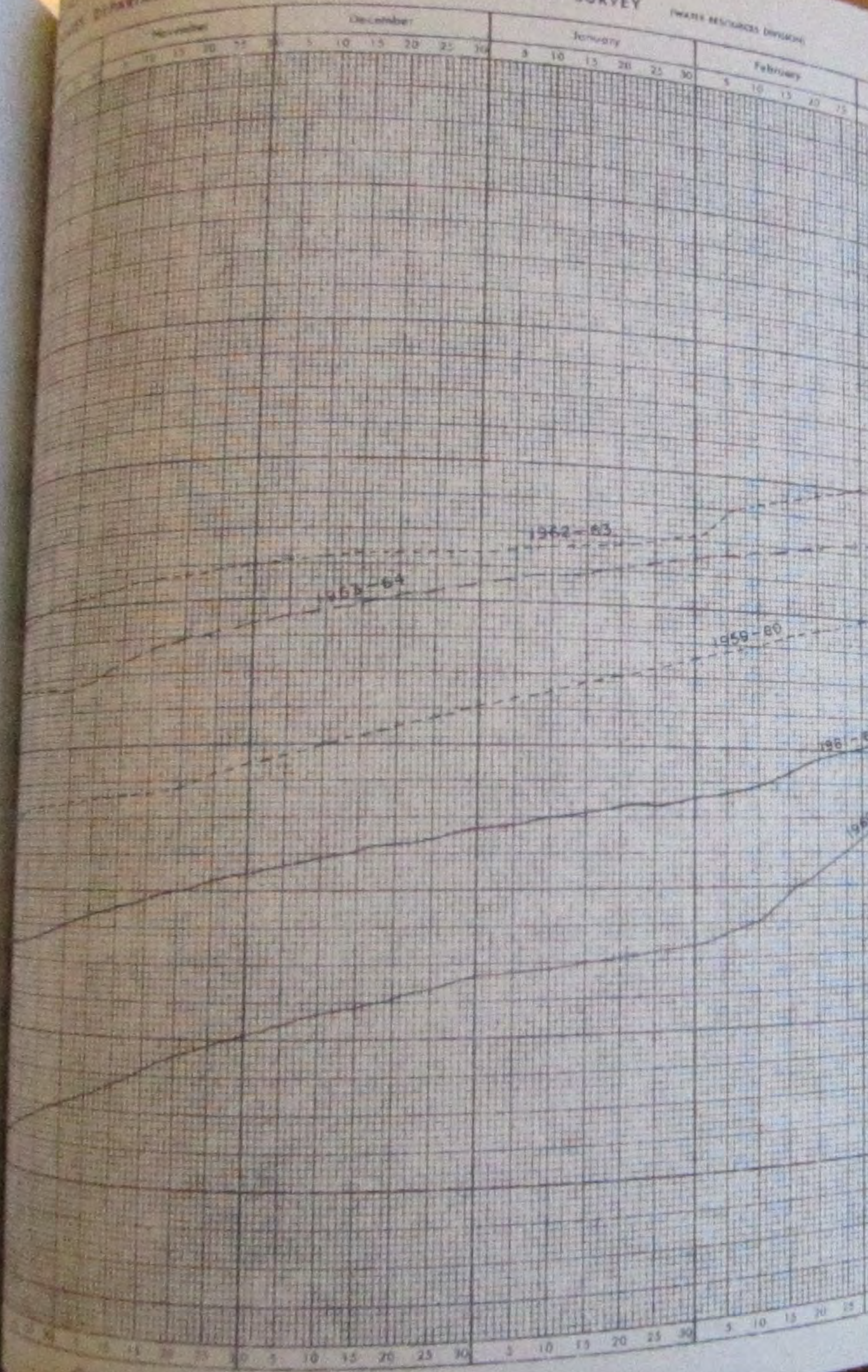


HYDROGRAPH FOR JACKSON LAKE AT MORAN, WYO

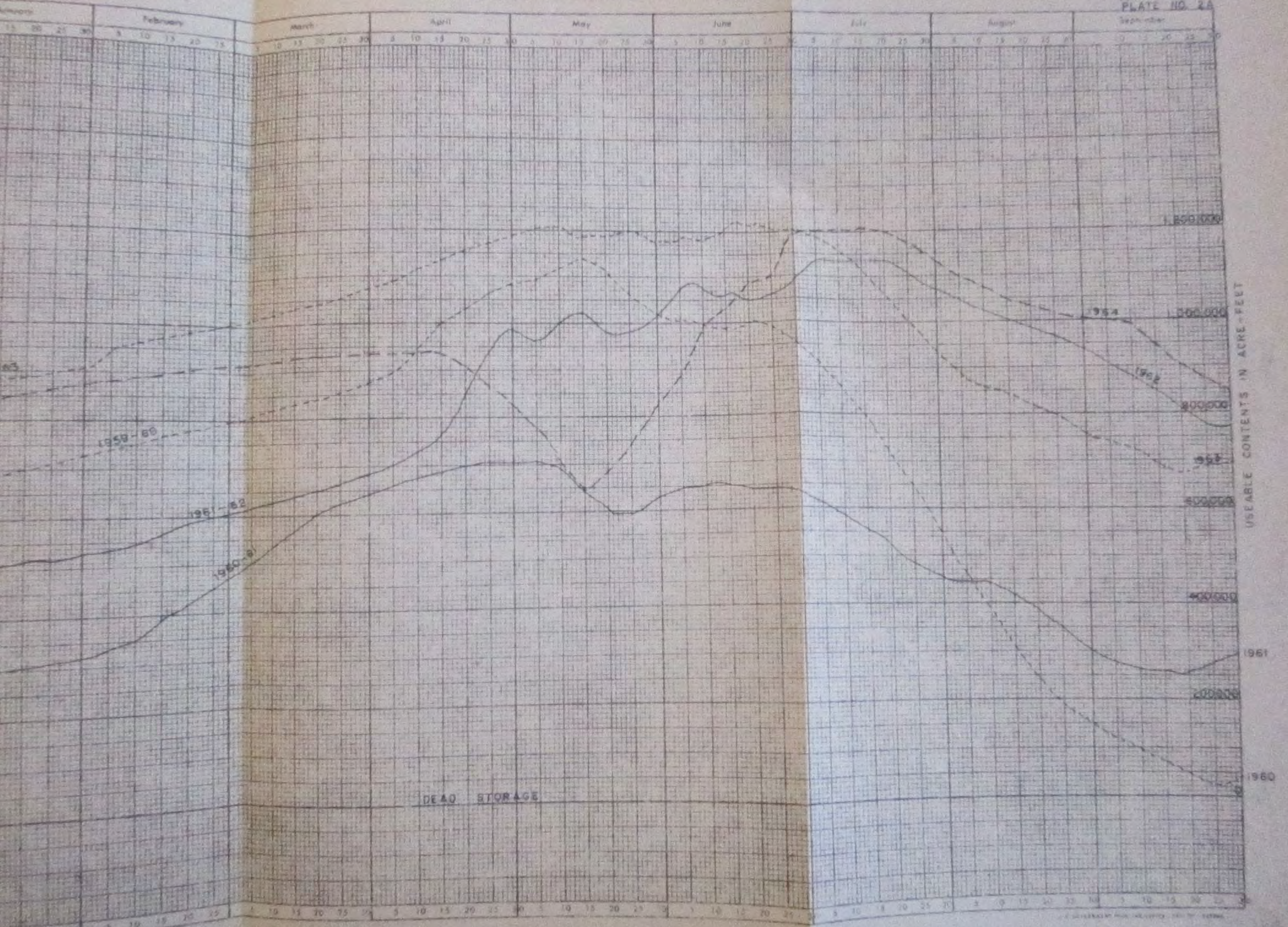
PLATE NO. 2



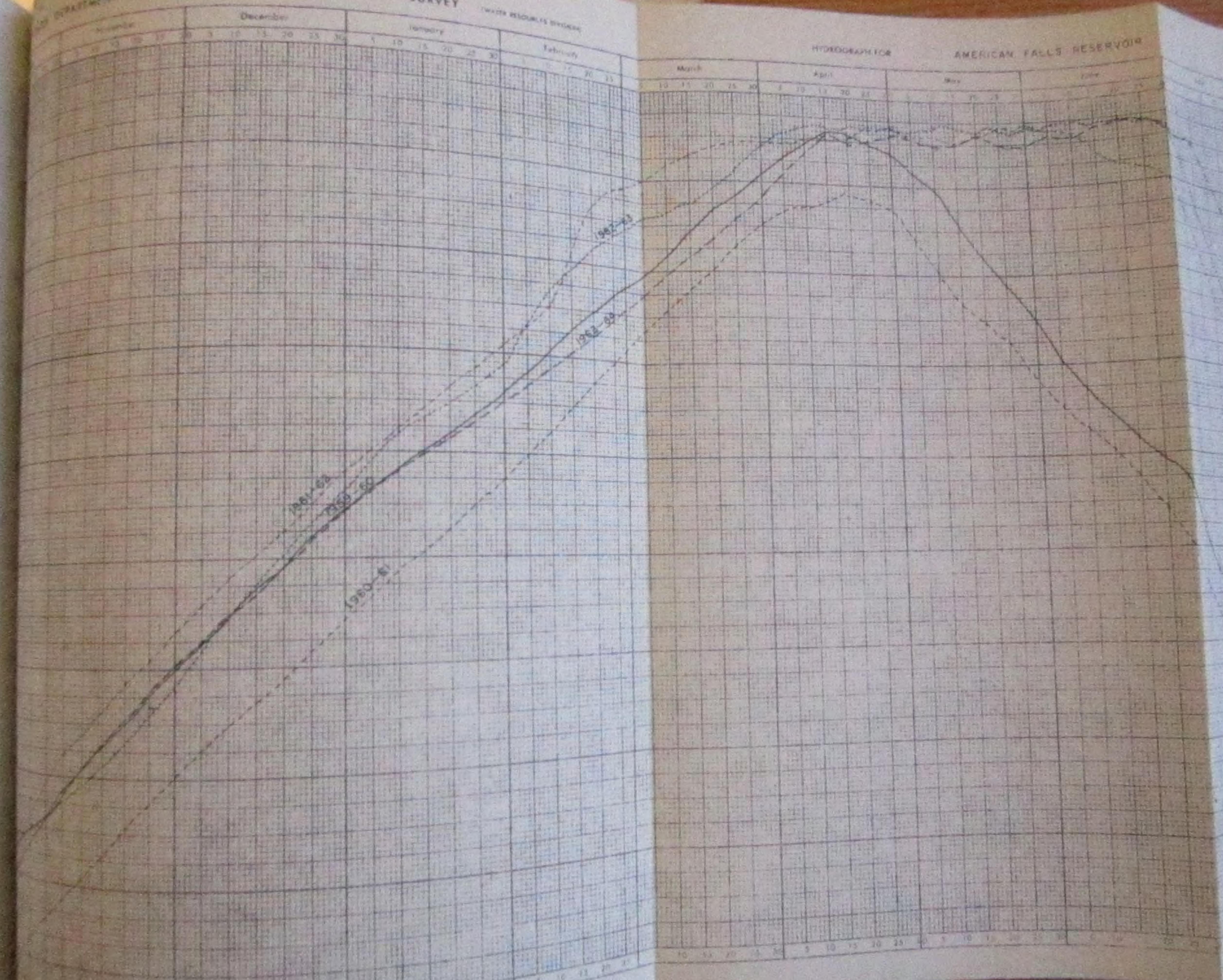




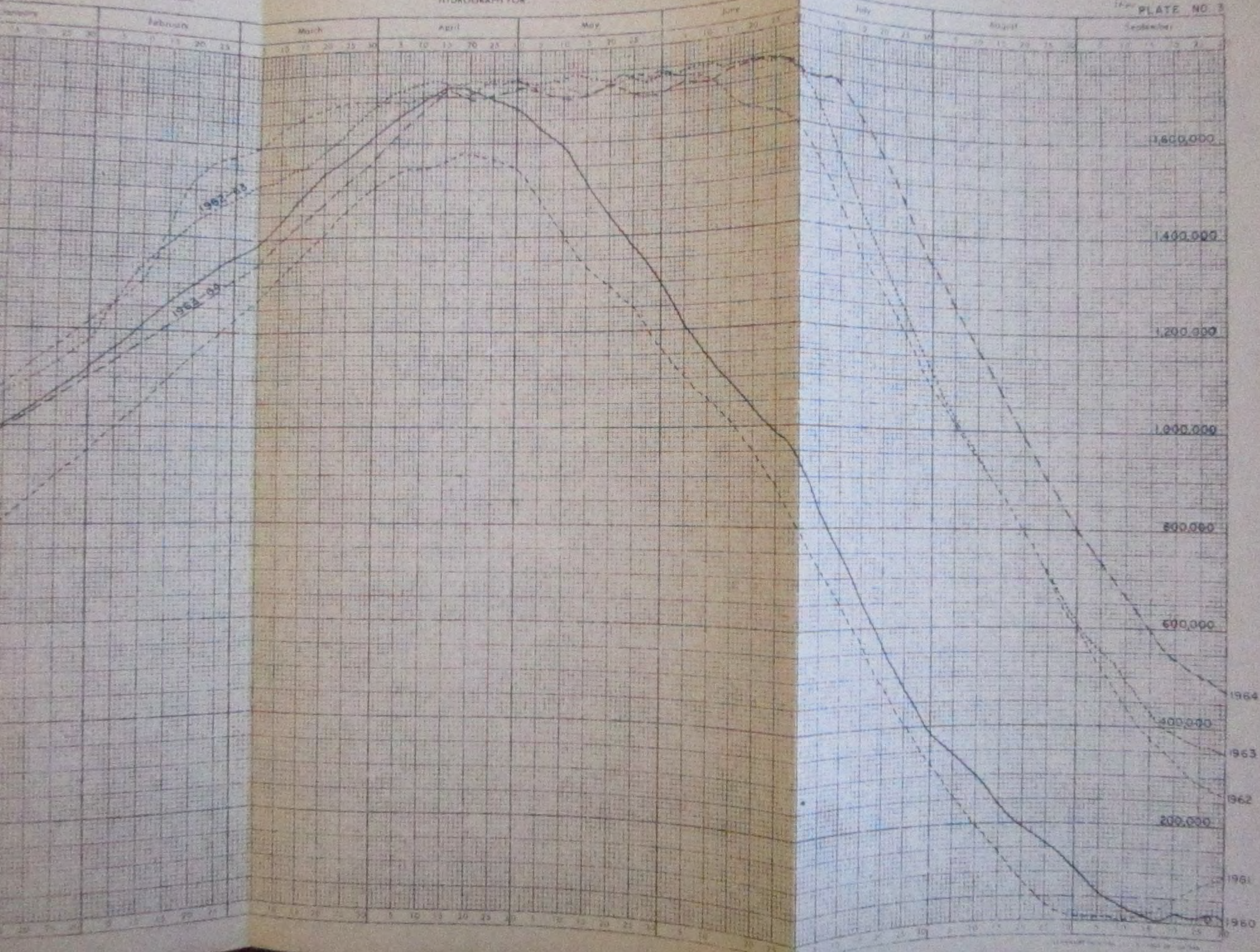














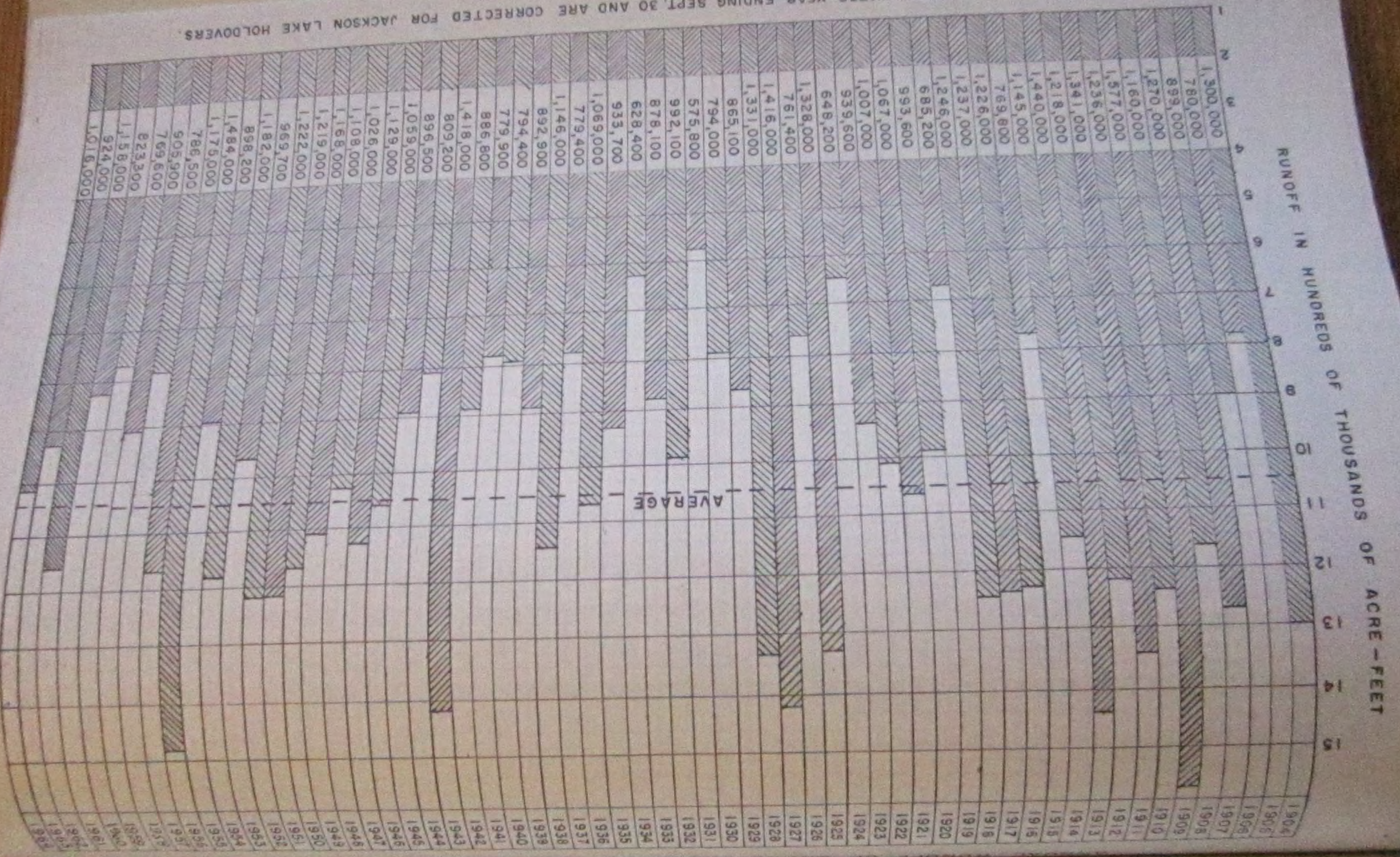
NOTE: RUNOFF TOTALS ARE FOR WATER YEAR ENDING SEPT. 30 AND ARE CORRECTED FOR AMERICAN FALLS WOLDOVERS.  
 RECORDS AT MONTGOMERY FERRY USED PRIOR TO 1907.

RUNOFF IN MILLIONS OF ACRE-FEET





NOTE: RUNOFF TOTALS ARE FOR WATER YEAR ENDING SEPT. 30 AND ARE CORRECTED FOR JACKSON LAKE HOLLOWERS.





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| STREAM                                  | MAY  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                         | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 25   | 26   | 27   | 28   | 29   | 30   | 31   | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    |      |      |      |      |
| BIG JIMMY CREEK                         | 32   | 32   | 32   | 32   | 32   | 32   | 32   | 32   | 32   | 32   | 32   | 32   | 32   | 32   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   |      |      |      |
| PORTRUF RIVER INFLOW<br>BELOW POCATELLO | 286  | 287  | 288  | 280  | 291  | 275  | 293  | 294  | 296  | 297  | 285  | 299  | 300  | 302  | 303  | 304  | 306  | 307  | 308  | 310  | 311  | 312  | 314  | 315  | 282  | 288  | 320  | 322  | 320  | 319  | 318  | 315  | 289  | 314  | 312  | 318  | 316  | 315  | 325  | 325  | 325  | 325  |      |      |
| BIG SPRING CREEK                        | 461  | 461  | 461  | 461  | 461  | 461  | 461  | 461  | 461  | 461  | 461  | 460  | 460  | 460  | 460  | 460  | 460  | 459  | 459  | 459  | 459  | 459  | 459  | 459  | 459  | 459  | 458  | 458  | 458  | 458  | 458  | 458  | 458  | 458  | 458  | 458  | 458  | 458  | 458  | 458  | 458  | 458  |      |      |
| CLARK CREEK                             | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  |      |      |
| FORD CREEK                              | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    |      |      |
| KINNEY CREEK                            | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   |      |
| WIDE CREEK                              | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   |      |
| PILE SPRINGS                            | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    |      |
| MCTUCKER SPRINGS                        | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   |      |
| HULL SPRINGS                            | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    |      |
| TANNER SPRINGS                          | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| PORTRUF RIVER<br>AT POCATELLO X         | 512  | 621  | 599  | 542  | 542  | 551  | 551  | 546  | 551  | 573  | 612  | 644  | 662  | 685  | 715  | 734  | 756  | 770  | 770  | 752  | 730  | 715  | 662  | 608  | 564  | 521  | 513  | 513  | 484  | 444  | 380  | 342  | 303  | 286  | 254  | 242  | 22   | 204  | 408  |      |      |      |      |      |
| CRYSTAL DITCH                           | 35   | 34   | 32   | 31   | 30   | 30   | 28   | 26   | 25   | 24   | 22   | 21   | 20   | 18   | 17   | 16   | 14   | 13   | 12   | 11   | 10   | 8    | 7    | 5    | 4    | 2    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |      |
| CRYSTAL WASTE                           | 0    | 0    | 0    | 2    | 4    | 6    | 8    | 9    | 10   | 11   | 12   | 14   | 14   | 14   | 14   | 15   | 15   | 17   | 18   | 20   | 20   | 23   | 24   | 25   | 28   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   |
| DANIELSEN SPRINGS                       | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   | 56   |
| ARTESIAN SPRINGS                        | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    |
| STERLING WASTE                          | 15   | 15   | 15   | 14   | 14   | 13   | 13   | 12   | 12   | 12   | 11   | 11   | 10   | 10   | 9    | 9    | 8    | 8    | 7    | 7    | 6    | 6    | 5    | 5    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    |
| COLBURN WASTE                           | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    |
| ABERDEEN WASTE                          | 7    | 7    | 7    | 7    | 7    | 8    | 10   | 12   | 40   | 60   | 85   | 90   | 100  | 80   | 70   | 70   | 50   | 60   | 50   | 40   | 30   | 70   | 60   | 40   | 40   | 20   | 32   | 30   | 40   | 30   | 25   | 40   | 40   | 30   | 40   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |      |
| TARTAR WASTE                            | 4    | 4    | 4    | 4    | 4    | 6    | 8    | 10   | 14   | 20   | 30   | 40   | 50   | 50   | 50   | 50   | 45   | 55   | 70   | 50   | 15   | 15   | 12   | 12   | 12   | 15   | 12   | 12   | 12   | 12   | 40   | 15   | 18   | 15   | 10   | 10   | 10   | 10   | 10   | 10   | 10   | 10   | 10   |      |
| SCHULTZ WASTE                           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    |
| CEDAR WASTE                             | 0    | 0    | 0    | 0    | 0    | 10   | 10   | 10   | 10   | 10   | 40   | 40   | 30   | 40   | 50   | 50   | 30   | 40   | 30   | 15   | 15   | 25   | 30   | 20   | 30   | 15   | 12   | 15   | 15   | 30   | 60   | 50   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
| ROSS FORK                               | 75   | 76   | 75   | 74   | 72   | 71   | 69   | 68   | 66   | 65   | 64   | 63   | 62   | 60   | 59   | 58   | 57   | 56   | 54   | 53   | 52   | 51   | 50   | 48   | 47   | 46   | 44   | 43   | 43   | 43   | 43   | 43   | 43   | 43   | 43   | 43   | 43   | 43   | 43   | 43   | 43   | 43   | 43   | 43   |
| TRIPLE CREEK                            | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    |      |
| BANNOCK CREEK X                         | 67   | 67   | 65   | 64   | 62   | 60   | 58   | 56   | 54   | 52   | 50   | 48   | 46   | 45   | 44   | 42   | 40   | 38   | 36   | 34   | 32   | 30   | 28   | 26   | 24   | 22   | 21   | 19   | 19   | 19   | 20   | 20   | 21   | 21   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   |      |
| RUEGAR SPRINGS                          | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   |
| TOTAL MEASURED                          | 1842 | 1951 | 1925 | 1838 | 1866 | 1870 | 1888 | 1883 | 1918 | 1964 | 2054 | 2112 | 2136 | 2147 | 2172 | 2189 | 2182 | 2205 | 2195 | 2133 | 2062 | 2096 | 2033 | 1945 | 1876 | 1802 | 1830 | 1828 | 1807 | 1772 | 1762 | 1709 | 1636 | 1532 | 1606 | 1611 | 1581 | 1581 | 1581 | 1581 | 1581 | 1581 | 1581 | 1581 |
| UNMEASURED INFLOW                       | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  | 320  |
| TOTAL INFLOW                            | 3262 | 3271 | 3245 | 3158 | 3186 | 3190 | 3208 | 3203 | 3238 | 3284 | 3374 | 3432 | 3456 | 3467 | 3492 | 3509 | 3482 | 3525 | 3515 | 3453 | 3382 | 3416 | 3353 | 3265 | 3196 | 3122 | 3150 | 3148 | 3127 | 3092 | 3062 | 3029 | 2956 | 2952 | 2926 | 2931 | 2903 | 2903 | 2903 | 2903 | 2903 | 2903 | 2903 |      |
| BLACKFOOT TO NEELEY                     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                                         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                                         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |



BETWEEN BLACKFOOT AND NEELEY STATIONS  
24-HOUR SECOND-FEET

JULY

82,375

95,900

[illegible]



1964

JULY

AUGUST

82,375

[illegible]



PLATE NO. 11

BUST

SEPTEMBER

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

79,025

79,436

[illegible]



DAILY SEGREGATION OF

| DAILY SEGREGATION OF |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
|----------------------|------------------------------------|----------------------|--------|-------|-----------------------------|--------|-------------------------|--------|-------|--------------------------------------------------------|------------------------|--------|-------|----------------|-------------------|---------------|--------|-------|----------------------------|----------------|
| DATE                 | JACKSON LAKE CONTENTS<br>ACRE-Feet | SNAKE RIVER AT MORAN |        |       | STORED LOSS MORAN TO ALPINE | DATE   | SNAKE RIVER NEAR ALPINE |        |       | PALISADES RESERVOIR CONTENTS<br>THOUSANDS OF ACRE-Feet | SNAKE RIVER NEAR IRWIN |        |       | IRWIN TO HEISE |                   | HEISE & RILEY |        |       | STORED LOSS HEISE TO RILEY | HEISE TO RILEY |
|                      |                                    | STORED               | NORMAL | TOTAL |                             |        | STORED                  | NORMAL | TOTAL |                                                        | STORED                 | NORMAL | TOTAL | STORED LOSS    | STORED DIVERSIONS | STORED        | NORMAL | TOTAL |                            |                |
| JULY 2               | 852,350                            |                      |        | 4580  |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 3                    | 853,120                            |                      |        | 5090  |                             | JULY 3 |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 4                    | 853,380                            |                      |        | 4780  |                             | 4      |                         |        | 16300 | 1,401                                                  |                        |        |       |                |                   |               |        |       |                            |                |
| 5                    | 852,870                            |                      |        | 4460  |                             | 5      |                         |        | 15800 | 1,402                                                  |                        |        |       |                |                   |               |        |       |                            |                |
| 6                    | 852,870                            |                      |        | 4220  |                             | 6      |                         |        | 15300 | 1,401                                                  |                        |        |       |                |                   |               |        |       |                            |                |
| 7                    | 852,870                            |                      |        | 4200  |                             | 7      |                         |        | 14500 | 1,400                                                  |                        |        |       |                |                   |               |        |       |                            |                |
| 8                    | 851,580                            | 0                    | 3860   | 3860  |                             | 8      |                         |        | 13800 | 1,402                                                  |                        |        |       |                |                   |               |        |       |                            |                |
| 9                    | 851,580                            | 580                  | 3050   | 3630  | 10                          | 9      | 0                       | 12600  | 13200 | 1,401                                                  |                        |        |       |                |                   |               |        |       |                            |                |
| 10                   | 850,820                            | 650                  | 2960   | 3610  | 11                          | 10     | 570                     | 11830  | 12600 | 1,401                                                  |                        | 14800  | 14600 |                |                   | 0             | 15912  | 15912 |                            |                |
| 11                   | 849,530                            | 770                  | 2820   | 3590  | 13                          | 11     | 639                     | 11461  | 12400 | 1,405                                                  | 570                    | 13830  | 14400 | 5              |                   | 585           | 13689  | 14254 |                            |                |
| 12                   | 848,000                            | 650                  | 2940   | 3590  | 11                          | 12     | 757                     | 11043  | 12100 | 1,405                                                  | 1649                   | 14551  | 16200 | 13             |                   | 1636          | 14986  | 16522 |                            |                |
| 13                   | 846,720                            | 450                  | 3130   | 3580  | 8                           | 13     | 639                     | 11161  | 11800 | 1,402                                                  | 1261                   | 14139  | 15400 | 10             |                   | 1251          | 14967  | 16218 |                            |                |
| 14                   | 845,700                            | 450                  | 3150   | 3600  | 8                           | 14     | 442                     | 11458  | 11900 | 1,404                                                  | -371                   | 14671  | 14300 | -3             |                   | -368          | 15583  | 15215 |                            |                |
| 15                   | 844,930                            | -390                 | 3710   | 3320  | -7                          | 15     | 442                     | 11858  | 12300 | 1,407                                                  | -1068                  | 14568  | 13500 | -9             |                   | -1059         | 15075  | 14016 |                            |                |
| 16                   | 844,420                            | -380                 | 2960   | 2580  | -7                          | 16     | -383                    | 11938  | 12300 | 1,407                                                  | -62                    | 14162  | 14100 | 0              |                   | -62           | 14280  | 14218 |                            |                |
| 17                   | 843,920                            | 1070                 | 1490   | 2560  | 18                          | 17     | -373                    | 10873  | 11600 | 1,408                                                  | 121                    | 13879  | 14000 | 1              |                   | 120           | 14500  | 14620 |                            |                |
| 18                   | 843,150                            | 1070                 | 1490   | 2560  | 18                          | 18     | 1052                    | 8758   | 10500 | 1,406                                                  | 637                    | 13763  | 14400 | 5              |                   | 632           | 14588  | 15220 |                            |                |
| 19                   | 841,880                            | 1070                 | 1480   | 2550  | 18                          | 19     | 1052                    | 8238   | 980   | 1,404                                                  | 2562                   | 10838  | 13400 | 21             |                   | 2541          | 11386  | 13927 |                            |                |
| 20                   | 840,100                            | 1220                 | 1330   | 2550  | 21                          | 20     | 1052                    | 7858   | 9290  | 1,401                                                  | 2562                   | 10538  | 13100 | 21             |                   | 2541          | 11188  | 13729 |                            |                |
| 21                   | 838,320                            | 1220                 | 1740   | 2960  | 21                          | 21     | 1199                    | 7291   | 8910  | 1,399                                                  | 2562                   | 10138  | 12700 | 21             |                   | 2541          | 10690  | 13231 |                            |                |
| 22                   | 835,280                            | 1850                 | 1570   | 3420  | 31                          | 22     | 1199                    | 7571   | 8490  | 1,396                                                  | 2709                   | 9791   | 12500 | 22             |                   | 2687          | 10245  | 12932 |                            |                |
| 23                   | 831,450                            | 1850                 | 1560   | 3410  | 31                          | 23     | 1819                    | 6841   | 8770  | 1,392                                                  | 4229                   | 8971   | 13200 | 34             |                   | 4195          | 9137   | 13332 |                            |                |
| 24                   | 827,890                            | 2170                 | 1220   | 3390  | 37                          | 24     | 1819                    | 6591   | 8610  | 1,387                                                  | 4849                   | 8951   | 13800 | 39             |                   | 4810          | 9522   | 14332 |                            |                |
| 25                   | 823,820                            | 2170                 | 1220   | 3390  | 37                          | 25     | 2133                    | 6057   | 8410  | 1,380                                                  | 4849                   | 8651   | 13500 | 39             | 5                 | 4815          | 9317   | 14132 |                            |                |
| 26                   | 819,250                            | 2170                 | 1220   | 3390  | 37                          | 26     | 2133                    | 5737   | 8130  | 1,374                                                  | 5663                   | 7637   | 13300 | 45             | 5                 | 5613          | 8119   | 13732 |                            |                |
| 27                   | 814,960                            | 2250                 | 1160   | 3410  | 37                          | 27     | 2133                    | 5517   | 7810  | 1,367                                                  | 5663                   | 7537   | 13200 | 45             | 10                | 5618          | 8113   | 13731 |                            |                |
| 28                   | 810,660                            | 2250                 | 1160   | 3410  | 37                          | 28     | 2212                    | 5248   | 7650  | 1,360                                                  | 5663                   | 7337   | 13000 | 45             | 10                | 5608          | 8023   | 13631 |                            |                |
| 29                   | 805,610                            | 2250                 | 1160   | 3410  | 38                          | 29     | 2212                    | 5248   | 7480  | 1,353                                                  | 5742                   | 7158   | 12900 | 46             | 10                | 5686          | 7748   | 13434 |                            |                |
| 30                   | 801,570                            | 2250                 | 1160   | 3410  | 38                          | 30     | 2212                    | 5328   | 7400  | 1,347                                                  | 5742                   | 7058   | 12800 | 46             | 10                | 5686          | 7647   | 13333 |                            |                |
| 31                   | 797,530                            | 2270                 | 1150   | 3420  | 39                          | 31     | 2123                    | 5397   | 7300  | 1,339                                                  | 5653                   | 7047   | 12700 | 45             | 10                | 5598          | 7634   | 13232 |                            |                |
| AUG 1                | 793,510                            | 2270                 | 1140   | 3410  | 39                          | AUG 1  | 2126                    | 5174   | 7140  | 1,332                                                  | 5656                   | 7044   | 12700 | 45             | 10                | 5601          | 7631   | 13232 |                            |                |
| 2                    | 788,490                            | 2270                 | 1150   | 3420  | 39                          | 2      | 2231                    | 4909   | 6940  | 1,325                                                  | 5761                   | 6839   | 12600 | 46             | 15                | 5710          | 7522   | 13232 |                            |                |
| 3                    | 783,980                            | 2360                 | 1050   | 3410  | 40                          | 3      | 2231                    | 4709   | 6750  | 1,318                                                  | 5761                   | 6539   | 12300 | 46             | 15                | 5700          | 7222   | 12922 |                            |                |
| 4                    | 778,960                            | 2360                 | 1050   | 3410  | 40                          | 4      | 2231                    | 4519   | 6570  | 1,311                                                  | 5522                   | 6078   | 11800 | 44             | 15                | 5463          | 7057   | 12520 |                            |                |
| 5                    | 774,190                            | 2360                 | 1030   | 3390  | 40                          | 5      | 2320                    | 4250   | 6440  | 1,305                                                  | 5550                   | 5650   | 11200 | 44             | 15                | 5491          | 6231   | 11722 |                            |                |
| 6                    | 769,940                            | 2360                 | 1030   | 3390  | 40                          | 6      | 2320                    | 4120   | 6310  | 1,299                                                  | 5550                   | 5750   | 11300 | 44             | 15                | 5491          | 6237   | 11728 |                            |                |
| 7                    | 765,210                            | 2360                 | 1030   | 3390  | 40                          | 7      | 2320                    | 4000   | 6170  | 1,293                                                  | 5450                   | 6050   | 11500 | 44             | 15                | 5391          | 6530   | 11921 |                            |                |
| 8                    | 760,980                            | 2360                 | 1030   | 3390  | 40                          | 8      | 2310                    | 3850   | 6070  | 1,286                                                  | 5350                   | 6050   | 11400 | 43             | 15                | 5292          | 6632   | 11924 |                            |                |
| 9                    | 756,240                            | 2360                 | 1020   | 3370  | 40                          | 9      | 2310                    | 3760   | 5900  | 1,281                                                  | 4830                   | 5470   | 10300 | 39             | 15                | 4776          | 6560   | 11336 |                            |                |
| 10                   | 751,260                            | 2360                 | 1020   | 3370  | 40                          | 10     | 2310                    | 3590   | 5830  | 1,275                                                  | 4830                   | 5370   | 10200 | 39             | 15                | 4776          | 6159   | 10935 |                            |                |
| 11                   | 746,530                            | 2360                 | 1000   | 3350  | 40                          | 11     | 2310                    | 3500   | 5630  | 1,271                                                  | 4830                   | 5270   | 10100 | 39             | 15                | 4776          | 5957   | 10733 |                            |                |
| 12                   | 741,830                            | 2360                 | 980    | 3330  | 40                          | 12     | 2330                    | 3500   | 5430  | 1,265                                                  | 4850                   | 5090   | 9940  | 37             | 15                | 4796          | 5837   | 10633 |                            |                |
| 13                   | 736,690                            | 2370                 | 950    | 3320  | 40                          | 13     | 2330                    | 3450   | 5230  | 1,260                                                  | 4590                   | 5280   | 9870  | 37             | 15                | 4538          | 5892   | 10430 |                            |                |
| 14                   | 731,940                            | 2370                 | 930    | 3300  | 40                          | 14     | 2448                    | 3352   | 5030  | 1,256                                                  | 4708                   | 5132   | 9840  | 38             | 15                | 4655          | 5678   | 10331 |                            |                |
| 15                   | 726,690                            | 2480                 | 790    | 3280  | 42                          | 15     | 2448                    | 3212   | 4830  | 1,251                                                  | 4708                   | 4972   | 9680  | 38             | 15                | 4655          | 5675   | 10330 |                            |                |
| 16                   | 721,940                            | 2480                 | 760    | 3250  | 42                          |        | 2733                    | 2927   | 4680  | 1,246                                                  | 4733                   | 4467   | 9200  | 38             | 15                | 4680          | 5198   | 9878  |                            |                |
| 17                   |                                    | 2780                 | 550    | 3330  | 47                          |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 18                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 19                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 20                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 21                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 22                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 23                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 24                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 25                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 26                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 27                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 28                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 29                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 30                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 31                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 32                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 33                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 34                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 35                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 36                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 37                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 38                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 39                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 40                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 41                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 42                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 43                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 44                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 45                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 46                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 47                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 48                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 49                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 50                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 51                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 52                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 53                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 54                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 55                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 56                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 57                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 58                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 59                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 60                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 61                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 62                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 63                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 64                   |                                    |                      |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |
| 65                   |                                    | </                   |        |       |                             |        |                         |        |       |                                                        |                        |        |       |                |                   |               |        |       |                            |                |



N OF DATA AT AND BETWEEN SNAKE RIVER GAGING S

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AT RIVER GAGING STATIONS 1964

| DATE | STORAGE<br>DIVERSIONS | DATE   | AMERICAN FALLS<br>RESERVOIR<br>CONTENTS<br>THOUSANDS OF<br>ACRE-Feet | SNAKE RIVER<br>AT NEELEY |        |        | LAKE<br>WALCOTT<br>CONTENTS<br>ACRE-Feet | MINIDOKA CANALS |       |       | SNAKE RIVER<br>NEAR MINIDOKA |        |       | DATE      | MILNER<br>LAKE<br>GAGE<br>FEET | MINIDOKA<br>NORTH SIDE<br>PUMP<br>STORED | MINOR<br>DIVERSIONS<br>WHEELY<br>TO MILNER<br>STORED | GOING PROJECT |        |         |        |        |       |  |  |
|------|-----------------------|--------|----------------------------------------------------------------------|--------------------------|--------|--------|------------------------------------------|-----------------|-------|-------|------------------------------|--------|-------|-----------|--------------------------------|------------------------------------------|------------------------------------------------------|---------------|--------|---------|--------|--------|-------|--|--|
|      |                       |        |                                                                      | STORED                   | NORMAL | TOTAL  |                                          | NORTH           | SOUTH | TOTAL | STORED                       | NORMAL | TOTAL |           |                                |                                          |                                                      | STORED        | NORMAL | TOTAL   | STORED | NORMAL | TOTAL |  |  |
| 4    | 0                     | JULY 6 | 1,703                                                                |                          |        |        |                                          |                 |       |       |                              |        |       |           |                                |                                          |                                                      |               |        |         |        |        |       |  |  |
| 5    | 0                     | 7      | 1,706                                                                |                          |        | 13000  | 95,670                                   | 1870            | 1420  | 3290  |                              |        |       | 9700      | JULY 7                         | 11.02                                    |                                                      |               |        |         |        |        |       |  |  |
| 6    | 0                     | 8      | 1,705                                                                |                          |        | 12300  | 95,910                                   | 1870            | 1420  | 3290  |                              |        |       | 9450      | 8                              | 10.85                                    |                                                      |               |        |         |        |        |       |  |  |
| 7    | 215                   | 9      | 1,697                                                                | 0                        | 12500  | 12500  | 94,720                                   | 1870            | 1400  | 3270  | 0                            | 3270   | 0     | 9570      | 9                              | 10.58                                    |                                                      |               |        |         |        |        |       |  |  |
| 8    | 215                   | 10     | 1,691                                                                | 3964                     | 12049  | 14000  | 91,810                                   | 1880            | 1400  | 3280  | 554                          | 2726   | 877   | 9323      | 10                             | 10.81                                    | 257                                                  | 4             | 1810   | 1820    |        |        |       |  |  |
| 9    | 215                   | 11     | 1,679                                                                | 5156                     | 10536  | 14500  | 93,670                                   | 1890            | 1400  | 3290  | 584                          | 2726   | 2890  | 7810      | 11                             | 10.96                                    | 257                                                  | 4             | 1800   | 1820    |        |        |       |  |  |
| 10   | 215                   | 12     | 1,664                                                                | 6870                     | 9244   | 14400  | 93,790                                   | 1890            | 1420  | 3310  | 584                          | 2726   | 3882  | 6518      | 12                             | 10.99                                    | 257                                                  | 4             | 1880   | 1890    |        |        |       |  |  |
| 11   | 215                   | 13     | 1,650                                                                | 6773                     | 7330   | 14200  | 95,180                                   | 1890            | 1440  | 3330  | 1604                         | 1726   | 4696  | 5604      | 13                             | 10.99                                    | 257                                                  | 4             | 1880   | 1880    |        |        |       |  |  |
| 12   | 215                   | 14     | 1,638                                                                | 7327                     | 7227   | 14000  | 95,430                                   | 1890            | 1440  | 3330  | 1604                         | 1726   | 4899  | 5501      | 14                             | 11.02                                    | 257                                                  | 4             | 1880   | 1880    |        |        |       |  |  |
| 13   | 215                   | 15     | 1,625                                                                | 7189                     | 6473   | 13800  | 95,910                                   | 1890            | 1440  | 3330  | 1604                         | 1726   | 5453  | 4747      | 15                             | 11.05                                    | 257                                                  | 4             | 1880   | 1880    |        |        |       |  |  |
| 14   | 215                   | 16     | 1,607                                                                | 6742                     | 6211   | 13400  | 96,630                                   | 1890            | 1440  | 3330  | 1604                         | 1726   | 5715  | 4485      | 16                             | 11.02                                    | 257                                                  | 4             | 1880   | 1880    |        |        |       |  |  |
| 15   | 215                   | 17     | 1,595                                                                | 5944                     | 6458   | 13200  | 95,070                                   | 1890            | 1430  | 3320  | 1594                         | 1726   | 5468  | 4732      | 17                             | 11.08                                    | 257                                                  | 4             | 1880   | 1880    |        |        |       |  |  |
| 16   | 215                   | 18     | 1,579                                                                | 5944                     | 7156   | 13100  | 94,600                                   | 1890            | 1420  | 3310  | 1584                         | 1726   | 4770  | 5430      | 18                             | 11.00                                    | 257                                                  | 4             | 1880   | 1880    |        |        |       |  |  |
| 17   | 202                   | 19     | 1,565                                                                | 6107                     | 7293   | 13400  | 93,550                                   | 1890            | 1400  | 3290  | 1564                         | 1726   | 4433  | 5567      | 19                             | 10.94                                    | 257                                                  | 4             | 1880   | 1880    |        |        |       |  |  |
| 18   | 190                   | 20     | 1,552                                                                | 3996                     | 8104   | 12100  | 90,760                                   | 1890            | 1380  | 3270  | 1166                         | 2104   | 4200  | 6000      | 20                             | 10.98                                    | 257                                                  | 4             | 1700   | 1700    |        |        |       |  |  |
| 19   | 172                   | 21     | 1,530                                                                | 10498                    | 5002   | 15500  | 91,920                                   | 1890            | 1390  | 3280  | 1678                         | 1602   | 4273  | 5717      | 21                             | 11.09                                    | 257                                                  | 4             | 1730   | 1730    |        |        |       |  |  |
| 20   | 129                   | 22     | 1,510                                                                | 12853                    | 2947   | 15800  | 93,550                                   | 1900            | 1400  | 3300  | 3300                         | 0      | 6553  | 2947      | 22                             | 11.20                                    | 257                                                  | 4             | 1720   | 1720    |        |        |       |  |  |
| 21   | 187                   | 23     | 1,486                                                                | 11911                    | 2889   | 14800  | 95,670                                   | 1890            | 1420  | 3310  | 3310                         | 0      | 7711  | 2889      | 23                             | 10.85                                    | 257                                                  | 4             | 1650   | 1650    |        |        |       |  |  |
| 22   | 218                   | 24     | 1,469                                                                | 10752                    | 2848   | 13600  | 96,150                                   | 1890            | 1420  | 3310  | 3310                         | 0      | 7252  | 2848      | 24                             | 10.86                                    | 257                                                  | 4             | 1660   | 1660    |        |        |       |  |  |
| 23   | 218                   | 25     | 1,469                                                                | 10340                    | 2860   | 13200  | 96,030                                   | 1890            | 1410  | 3300  | 3300                         | 0      | 7340  | 2860      | 25                             | 10.96                                    | 257                                                  | 4             | 1690   | 1690    |        |        |       |  |  |
| 24   | 218                   | 26     | 1,451                                                                | 10432                    | 2868   | 13300  | 94,250                                   | 1890            | 1400  | 3290  | 3290                         | 0      | 7732  | 2868      | 26                             | 11.08                                    | 257                                                  | 4             | 1720   | 1720    |        |        |       |  |  |
| 25   | 218                   | 27     | 1,432                                                                | 10926                    | 2874   | 13800  | 92,860                                   | 1870            | 1390  | 3260  | 3260                         | 0      | 7826  | 2874      | 27                             | 11.10                                    | 257                                                  | 4             | 1730   | 1730    |        |        |       |  |  |
| 26   | 218                   | 28     | 1,413                                                                | 11010                    | 2890   | 13900  | 92,390                                   | 1830            | 1390  | 3220  | 3220                         | 0      | 7310  | 2890      | 28                             | 11.05                                    | 140                                                  | 4             | 1700   | 1700    |        |        |       |  |  |
| 27   | 218                   | 29     | 1,393                                                                | 11111                    | 2889   | 14000  | 93,790                                   | 1840            | 1400  | 3240  | 3240                         | 0      | 6971  | 2889      | 29                             | 11.11                                    | 257                                                  | 4             | 1710   | 1710    |        |        |       |  |  |
| 28   | 218                   | 30     | 1,372                                                                | 10961                    | 2839   | 13800  | 93,790                                   | 1810            | 1390  | 3200  | 3200                         | 0      | 7561  | 2839      | 30                             | 11.16                                    | 257                                                  | 4             | 1720   | 1720    |        |        |       |  |  |
| 29   | 218                   | 31     | 1,353                                                                | 11158                    | 2842   | 14000  | 93,440                                   | 1710            | 1380  | 3090  | 3090                         | 0      | 7358  | 2842      | 31                             | 11.10                                    | 257                                                  | 4             | 1690   | 1690    |        |        |       |  |  |
| 30   | 218                   | 1      | 1,334                                                                | 11152                    | 2848   | 14000  | 94,720                                   | 1640            | 1380  | 3020  | 3020                         | 0      | 7352  | 2848      | AUG 1                          | 11.10                                    | 243                                                  | 4             | 1670   | 1670    |        |        |       |  |  |
| 31   | 218                   | 2      | 1,313                                                                | 10710                    | 2890   | 13600  | 95,070                                   | 1510            | 1370  | 2880  | 2880                         | 0      | 7310  | 2890      | 2                              | 11.10                                    | 243                                                  | 4             | 1680   | 1680    |        |        |       |  |  |
| 32   | 206                   | 3      | 1,297                                                                | 10171                    | 2929   | 13100  | 95,430                                   | 1420            | 1350  | 2770  | 2770                         | 0      | 7001  | 2929      | 3                              | 11.05                                    | 243                                                  | 4             | 1660   | 1660    |        |        |       |  |  |
| 33   | 196                   | 4      | 1,281                                                                | 9968                     | 2932   | 12900  | 95,790                                   | 1350            | 1350  | 2700  | 2700                         | 0      | 6838  | 2932      | 4                              | 11.01                                    | 237                                                  | 4             | 1650   | 1650    |        |        |       |  |  |
| 34   | 196                   | 5      | 1,266                                                                | 9735                     | 2965   | 12700  | 95,790                                   | 1380            | 1320  | 2700  | 2700                         | 0      | 6805  | 2965      | 5                              | 10.94                                    | 232                                                  | 4             | 1650   | 1650    |        |        |       |  |  |
| 35   | 196                   | 6      | 1,249                                                                | 9656                     | 2944   | 12600  | 94,020                                   | 1470            | 1260  | 2730  | 2730                         | 0      | 7256  | 2944      | 6                              | 11.08                                    | 232                                                  | 4             | 1650   | 1650    |        |        |       |  |  |
| 36   | 197                   | 7      | 1,235                                                                | 9703                     | 2897   | 12600  | 93,550                                   | 1580            | 1290  | 2870  | 2870                         | 0      | 6903  | 2897      | 7                              | 10.88                                    | 231                                                  | 4             | 1630   | 1630    |        |        |       |  |  |
| 37   | 197                   | 8      | 1,219                                                                | 9694                     | 2906   | 12600  | 93,440                                   | 1630            | 1310  | 2940  | 2940                         | 0      | 6454  | 2906      | 8                              | 10.78                                    | 231                                                  | 4             | 1610   | 1610    |        |        |       |  |  |
| 38   | 197                   | 9      | 1,200                                                                | 10248                    | 2952   | 13200  | 92,620                                   | 1630            | 1300  | 2930  | 2930                         | 0      | 6718  | 2952      | 9                              | 10.83                                    | 231                                                  | 4             | 1620   | 1620    |        |        |       |  |  |
| 39   | 197                   | 10     | 1,183                                                                | 8509                     | 2991   | 11500  | 90,410                                   | 1620            | 1280  | 2900  | 2900                         | 0      | 6869  | 2991      | 10                             | 10.80                                    | 231                                                  | 4             | 1620   | 1620    |        |        |       |  |  |
| 40   | 198                   | 11     | 1,166                                                                | 11294                    | 3006   | 14300  | 90,410                                   | 1610            | 1290  | 2900  | 2900                         | 0      | 6954  | 3006      | 11                             | 10.97                                    | 231                                                  | 4             | 1650   | 1650    |        |        |       |  |  |
| 41   | 198                   | 12     | 1,150                                                                | 10553                    | 3047   | 13600  | 92,390                                   | 1620            | 1310  | 2930  | 2930                         | 0      | 7153  | 3047      | 12                             | 11.05                                    | 237                                                  | 4             | 1640   | 1640    |        |        |       |  |  |
| 42   | 198                   | 13     | 1,131                                                                | 10561                    | 3039   | 13600  | 92,860                                   | 1630            | 1360  | 2990  | 2990                         | 0      | 7181  | 3039      | 13                             | 11.12                                    | 237                                                  | 4             | 1620   | 1620    |        |        |       |  |  |
| 43   | 198                   | 14     | 1,111                                                                | 10763                    | 3037   | 13800  | 92,390                                   | 1630            | 1380  | 3010  | 3010                         | 0      | 7163  | 3037      | 14                             | 11.18                                    | 237                                                  | 4             | 1620   | 1620    |        |        |       |  |  |
| 44   | 198                   | 15     | 1,093                                                                | 10583                    | 3017   | 13600  | 93,320                                   | 1660            | 1390  | 3050  | 3050                         | 0      | 6973  | 3017      | 15                             | 11.10                                    | 237                                                  | 4             | 1610   | 1610    |        |        |       |  |  |
| 45   | 198                   | 16     | 1,076                                                                | 9968                     | 3017   | 13600  | 93,320                                   | 1660            | 1390  | 3050  | 3050                         | 0      | 6973  | 3017      | 15                             | 11.10                                    | 237                                                  | 4             | 1600   | 1600    |        |        |       |  |  |
| 46   | 198                   | 17     | 1,059                                                                | 9772                     | 3032   | 13,000 | 94,490                                   | 1640            | 1400  | 3040  | 3040                         | 0      | 6638  | 3032      | 16                             | 11.05                                    | 237                                                  | 4             | 1610   | 1610    |        |        |       |  |  |
| 47   | 198                   | 18     | 1,043                                                                | 9762                     | 3028   | 12800  | 94,370                                   | 1620            | 1390  | 3010  | 3010                         | 0      | 6582  | 3028      | 17                             | 11.08                                    | 237                                                  | 4             | 1590   | 1590    |        |        |       |  |  |
| 48   | 198                   | 19     | 1,024                                                                | 9866                     | 3038   | 12800  | 94,600                                   | 1620            | 1400  | 3020  | 3020                         | 0      | 6382  | 3038      | 18                             | 11.02                                    | 251                                                  | 4             | 1590   | 1590    |        |        |       |  |  |
| 49   | 198                   | 20     |                                                                      |                          | 3034   | 12900  | 94,490                                   | 1620            | 1390  | 3010  | 3010                         | 0      | 6256  | 3034      | 19                             | 10.50                                    | 251                                                  | 4             | 1490   | 1490    |        |        |       |  |  |
|      |                       |        |                                                                      |                          |        |        |                                          |                 |       |       |                              |        |       | (376,639) |                                |                                          |                                                      |               |        |         |        |        |       |  |  |
|      |                       |        |                                                                      |                          |        |        |                                          |                 |       |       |                              |        |       |           |                                |                                          | 803,624                                              |               |        | 257,538 |        |        |       |  |  |
|      |                       |        |                                                                      |                          |        |        |                                          |                 |       |       |                              |        |       |           |                                |                                          |                                                      |               |        | 110,048 |        |        | 1761  |  |  |



| MINIDOKA<br>NORTH SIDE<br>PUMP<br>STORED | MINOR<br>DIVERSIONS<br>NEELEY<br>TO MILNER<br>STORED | GOODING PROJECT |        |       | NORTH SIDE CANAL COMPANY |         |      |       |           |        | TWIN FALLS<br>CANAL COMPANY |        |       | MILNER LOW |        | LIFT<br>TOTAL | SNAKE RIVER<br>AT MILNER |        |       |
|------------------------------------------|------------------------------------------------------|-----------------|--------|-------|--------------------------|---------|------|-------|-----------|--------|-----------------------------|--------|-------|------------|--------|---------------|--------------------------|--------|-------|
|                                          |                                                      | STORED          | NORMAL | TOTAL | P.A.                     | GOODING | MAIN | TOTAL | STORED    | NORMAL | STORED                      | NORMAL | TOTAL | STORED     | NORMAL |               | STORED                   | NORMAL | TOTAL |
|                                          | 4                                                    |                 |        | 1620  | 64                       | 920     | 2900 | 3884  |           |        |                             |        | 3780  |            |        | 248           |                          |        | 196   |
|                                          | 4                                                    | 0               | 1610   | 1610  | 64                       | 930     | 2910 | 3904  |           |        |                             |        | 3810  |            |        | 262           | 0                        | 190    | 190   |
| 257                                      | 4                                                    | 0               | 1600   | 1600  | 70                       | 910     | 2940 | 3920  | 0         | 3920   | 0                           | 3880   | 3880  | 0          | 270    | 270           | 188                      | 0      | 188   |
| 257                                      | 4                                                    | 861             | 769    | 1630  | 70                       | 930     | 3050 | 4050  | 0         | 4050   | 310                         | 3600   | 3910  | 141        | 135    | 276           | 188                      | 0      | 188   |
| 257                                      | 4                                                    | 1660            | 0      | 1660  | 70                       | 940     | 3120 | 4130  | 55        | 4075   | 340                         | 3600   | 3940  | 149        | 135    | 284           | 188                      | 0      | 188   |
| 257                                      | 4                                                    | 1660            | 0      | 1660  | 75                       | 940     | 3120 | 4135  | 1135      | 3000   | 412                         | 3518   | 3930  | 293        | 0      | 293           | 188                      | 0      | 188   |
| 257                                      | 4                                                    | 1660            | 0      | 1660  | 77                       | 950     | 3130 | 4157  | 1553      | 2604   | 950                         | 3000   | 3950  | 293        | 0      | 293           | 188                      | 0      | 188   |
| 257                                      | 4                                                    | 1680            | 0      | 1680  | 77                       | 960     | 3170 | 4207  | 1708      | 2501   | 950                         | 3000   | 3950  | 293        | 0      | 293           | 192                      | 0      | 192   |
| 257                                      | 4                                                    | 1680            | 0      | 1680  | 77                       | 960     | 3180 | 4217  | 2470      | 1747   | 940                         | 3000   | 3940  | 298        | 0      | 298           | 194                      | 0      | 194   |
| 257                                      | 4                                                    | 1680            | 0      | 1680  | 73                       | 950     | 3160 | 4183  | 2698      | 1485   | 940                         | 3000   | 3940  | 301        | 0      | 301           | 192                      | 0      | 192   |
| 257                                      | 4                                                    | 1680            | 0      | 1680  | 72                       | 960     | 3180 | 4212  | 2480      | 1732   | 940                         | 3000   | 3940  | 301        | 0      | 301           | 190                      | 0      | 190   |
| 257                                      | 4                                                    | 1680            | 0      | 1680  | 73                       | 940     | 3150 | 4163  | 1733      | 2430   | 940                         | 3000   | 3940  | 301        | 0      | 301           | 190                      | 0      | 190   |
| 257                                      | 4                                                    | 1680            | 0      | 1680  | 72                       | 930     | 3120 | 4122  | 1555      | 2567   | 940                         | 3000   | 3940  | 300        | 0      | 300           | 188                      | 0      | 188   |
| 257                                      | 4                                                    | 1700            | 0      | 1700  | 73                       | 940     | 3140 | 4153  | 1153      | 3000   | 940                         | 3000   | 3940  | 300        | 0      | 300           | 188                      | 0      | 188   |
| 257                                      | 4                                                    | 1730            | 0      | 1730  | 70                       | 980     | 3220 | 4270  | 3870      | 400    | 940                         | 3000   | 3940  | 300        | 0      | 300           | 475                      | 0      | 475   |
| 257                                      | 4                                                    | 1720            | 0      | 1720  | 70                       | 1050    | 3240 | 4360  | 4013      | 347    | 1330                        | 2600   | 3930  | 300        | 0      | 300           | 852                      | 0      | 852   |
| 257                                      | 4                                                    | 1660            | 0      | 1660  | 70                       | 990     | 3080 | 4140  | 4480      | 340    | 1391                        | 2549   | 3940  | 300        | 0      | 300           | 248                      | 0      | 248   |
| 257                                      | 4                                                    | 1660            | 0      | 1660  | 70                       | 980     | 3080 | 4130  | 3794      | 336    | 1438                        | 2512   | 3950  | 300        | 0      | 300           | 181                      | 0      | 181   |
| 257                                      | 4                                                    | 1690            | 0      | 1690  | 68                       | 1000    | 3140 | 4208  | 3871      | 337    | 1437                        | 2523   | 3960  | 300        | 0      | 300           | 228                      | 0      | 228   |
| 257                                      | 4                                                    | 1720            | 0      | 1720  | 68                       | 1010    | 3200 | 4278  | 3940      | 338    | 1440                        | 2530   | 3970  | 299        | 0      | 299           | 290                      | 0      | 290   |
| 257                                      | 4                                                    | 1730            | 0      | 1730  | 68                       | 1010    | 3150 | 4228  | 3890      | 338    | 1414                        | 2536   | 3950  | 299        | 0      | 299           | 290                      | 0      | 290   |
| 140                                      | 4                                                    | 1700            | 0      | 1700  | 68                       | 1000    | 2340 | 3408  | 3068      | 340    | 1380                        | 2550   | 3930  | 299        | 0      | 299           | 719                      | 0      | 719   |
| 257                                      | 4                                                    | 1710            | 0      | 1710  | 70                       | 1020    | 1790 | 2880  | 2540      | 340    | 1351                        | 2549   | 3900  | 299        | 0      | 299           | 1490                     | 0      | 1490  |
| 257                                      | 4                                                    | 1720            | 0      | 1720  | 70                       | 1020    | 3050 | 4140  | 3806      | 334    | 1355                        | 2505   | 3860  | 292        | 0      | 292           | 463                      | 0      | 463   |
| 257                                      | 4                                                    | 1690            | 0      | 1690  | 66                       | 990     | 3000 | 4056  | 3722      | 334    | 1342                        | 2508   | 3850  | 280        | 0      | 280           | 386                      | 0      | 386   |
| 243                                      | 4                                                    | 1670            | 0      | 1670  | 66                       | 990     | 2970 | 4026  | 3691      | 335    | 1307                        | 2513   | 3820  | 280        | 0      | 280           | 622                      | 0      | 622   |
| 243                                      | 4                                                    | 1660            | 0      | 1660  | 67                       | 980     | 2980 | 4027  | 3687      | 340    | 1260                        | 2550   | 3810  | 280        | 0      | 280           | 494                      | 0      | 494   |
| 243                                      | 4                                                    | 1660            | 0      | 1660  | 67                       | 980     | 2980 | 4027  | 3682      | 345    | 1186                        | 2584   | 3770  | 268        | 0      | 268           | 428                      | 0      | 428   |
| 237                                      | 4                                                    | 1650            | 0      | 1650  | 66                       | 970     | 2940 | 3976  | 3631      | 345    | 1173                        | 2587   | 3760  | 260        | 0      | 260           | 290                      | 0      | 290   |
| 232                                      | 4                                                    | 1650            | 0      | 1650  | 66                       | 970     | 2960 | 3996  | 3647      | 349    | 1144                        | 2616   | 3760  | 260        | 0      | 260           | 290                      | 0      | 290   |
| 232                                      | 4                                                    | 1650            | 0      | 1650  | 67                       | 970     | 2960 | 3997  | 3650      | 347    | 1143                        | 2597   | 3740  | 254        | 0      | 254           | 296                      | 0      | 296   |
| 231                                      | 4                                                    | 1630            | 0      | 1630  | 66                       | 960     | 2940 | 3966  | 3625      | 341    | 1184                        | 2556   | 3740  | 244        | 0      | 244           | 293                      | 0      | 293   |
| 231                                      | 4                                                    | 1610            | 0      | 1610  | 66                       | 970     | 2960 | 3996  | 3654      | 342    | 1186                        | 2564   | 3750  | 244        | 0      | 244           | 290                      | 0      | 290   |
| 231                                      | 4                                                    | 1620            | 0      | 1620  | 67                       | 980     | 2970 | 4017  | 3669      | 348    | 1136                        | 2604   | 3740  | 244        | 0      | 244           | 288                      | 0      | 288   |
| 231                                      | 4                                                    | 1620            | 0      | 1620  | 66                       | 980     | 2960 | 4006  | 3654      | 352    | 1102                        | 2638   | 3740  | 240        | 0      | 240           | 288                      | 0      | 288   |
| 231                                      | 4                                                    | 1650            | 0      | 1650  | 67                       | 1000    | 2990 | 4057  | 3703      | 354    | 1108                        | 2652   | 3760  | 236        | 0      | 236           | 290                      | 0      | 290   |
| 237                                      | 4                                                    | 1640            | 0      | 1640  | 66                       | 990     | 2950 | 4006  | 3647      | 359    | 1092                        | 2688   | 3780  | 238        | 0      | 238           | 299                      | 0      | 299   |
| 237                                      | 4                                                    | 1620            | 0      | 1620  | 66                       | 980     | 2970 | 4018  | 3658      | 358    | 1099                        | 2681   | 3780  | 244        | 0      | 244           | 321                      | 0      | 321   |
| 237                                      | 4                                                    | 1620            | 0      | 1620  | 67                       | 990     | 2940 | 3997  | 3639      | 358    | 1081                        | 2679   | 3760  | 250        | 0      | 250           | 594                      | 0      | 594   |
| 237                                      | 4                                                    | 1610            | 0      | 1610  | 67                       | 980     | 2880 | 3927  | 3571      | 356    | 1099                        | 2661   | 3760  | 256        | 0      | 256           | 472                      | 0      | 472   |
| 237                                      | 4                                                    | 1600            | 0      | 1600  | 68                       | 970     | 2860 | 3898  | 3541      | 357    | 1095                        | 2675   | 3770  | 256        | 0      | 256           | 271                      | 0      | 271   |
| 237                                      | 4                                                    | 1610            | 0      | 1610  | 64                       | 970     | 2900 | 3934  | 3577      | 357    | 1099                        | 2671   | 3770  | 252        | 0      | 252           | 256                      | 0      | 256   |
| 251                                      | 4                                                    | 1550            | 0      | 1550  | 62                       | 970     | 2880 | 3912  | 3554      | 358    | 1090                        | 2680   | 3770  | 244        | 0      | 244           | 252                      | 0      | 252   |
| 251                                      | 4                                                    | 1490            | 0      | 1490  | 62                       | 960     | 2800 | 3822  | 3465      | 357    | 1153                        | 2677   | 3830  | 244        | 0      | 244           | 242                      | 0      | 242   |
| (10,246)                                 | (176)                                                | (67,161)        |        |       |                          |         |      |       | (126,472) |        | (45,157)                    |        |       | (11,032)   |        |               | (14,468)                 |        |       |



DAILY SEGREGATION

| DATE   | JACKSON LAKE CONTENTS<br>ACRE-FOOT | SNAKE RIVER<br>AT MORAN |        |       | STORED LOSS<br>MORAN TO ALPINE | DATE   | SNAKE RIVER<br>NEAR ALPINE |        |       | PALISADES RESERVOIR CONTENTS<br>THOUSANDS OF ACRE-FOOT | SNAKE RIVER<br>NEAR IRWIN |        |       | IRWIN TO HEISE |                   | HEISE & RILEY |        |       | STORED IN FLOW<br>HENRYS FAN |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------|------------------------------------|-------------------------|--------|-------|--------------------------------|--------|----------------------------|--------|-------|--------------------------------------------------------|---------------------------|--------|-------|----------------|-------------------|---------------|--------|-------|------------------------------|-------|-----------|--|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|        |                                    | STORED                  | NORMAL | TOTAL |                                |        | STORED                     | NORMAL | TOTAL |                                                        | STORED                    | NORMAL | TOTAL | STORED LOSS    | STORED DIVERSIONS | STORED        | NORMAL | TOTAL |                              |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AUG 15 | 726,300                            | 2780                    | 760    | 3540  |                                |        |                            |        |       |                                                        |                           |        |       |                |                   |               |        |       |                              |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16     | 721,070                            | 2780                    | 740    | 3520  | 47                             | AUG 16 | 2733                       | 2977   | 5710  | 1,243                                                  | 4233                      | 4747   | 8980  | 34             | 15                | 4184          | 5381   | 9565  | -55                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17     | 715,420                            | 2780                    | 720    | 3500  | 47                             | 17     | 2733                       | 2977   | 5710  | 1,240                                                  | 4243                      | 4577   | 8820  | 34             | 15                | 4194          | 5280   | 9454  | -52                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18     | 710,020                            | 2780                    | 690    | 3470  | 47                             | 18     | 2733                       | 2907   | 5640  | 1,237                                                  | 4243                      | 4487   | 8730  | 34             | 15                | 4194          | 5044   | 9238  | -55                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19     | 704,370                            | 2780                    | 680    | 3460  | 47                             | 19     | 2733                       | 2857   | 5590  | 1,233                                                  | 4243                      | 4517   | 8760  | 34             | 15                | 4194          | 5047   | 9241  | -57                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20     | 698,970                            | 2780                    | 640    | 3420  | 47                             | 20     | 2733                       | 2907   | 5640  | 1,230                                                  | 4243                      | 4487   | 8730  | 34             | 15                | 4194          | 5008   | 9202  | -58                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 21     | 693,350                            | 2670                    | 720    | 3390  | 45                             | 21     | 2733                       | 2857   | 5590  | 1,227                                                  | 4243                      | 4367   | 8610  | 34             | 10                | 4199          | 4872   | 9071  | -58                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22     | 687,980                            | 2670                    | 680    | 3350  | 45                             | 22     | 2625                       | 2845   | 5470  | 1,225                                                  | 4135                      | 4375   | 8510  | 33             | 10                | 4092          | 4836   | 8928  | -61                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 23     | 682,370                            | 2670                    | 650    | 3320  | 45                             | 23     | 2625                       | 2755   | 5380  | 1,222                                                  | 4135                      | 4375   | 8510  | 33             | 10                | 4092          | 4836   | 8928  | -52                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24     | 677,500                            | 2660                    | 640    | 3300  | 45                             | 24     | 2625                       | 2645   | 5270  | 1,219                                                  | 4135                      | 4345   | 8480  | 33             | 10                | 4092          | 4876   | 8968  | -48                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25     | 672,140                            | 2660                    | 620    | 3280  | 45                             | 25     | 2615                       | 2605   | 5220  | 1,215                                                  | 4125                      | 4205   | 8330  | 33             | 10                | 4082          | 4674   | 8756  | -49                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 26     | 666,570                            | 2700                    | 550    | 3250  | 46                             | 26     | 2615                       | 2545   | 5160  | 1,212                                                  | 4375                      | 3985   | 8360  | 35             | 10                | 4330          | 4427   | 8757  | -7                           |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 27     | 661,240                            | 2700                    | 540    | 3240  | 46                             | 27     | 2654                       | 2506   | 5160  | 1,209                                                  | 4414                      | 3946   | 8360  | 35             | 10                | 4369          | 4430   | 8799  | -42                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 28     | 655,910                            | 2500                    | 740    | 3240  | 42                             | 28     | 2654                       | 2566   | 5220  | 1,206                                                  | 4184                      | 4166   | 8330  | 33             | 10                | 4121          | 4674   | 8795  | -32                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 29     | 652,280                            | 2500                    | 720    | 3220  | 42                             | 29     | 2458                       | 2942   | 5400  | 1,203                                                  | 2963                      | 5037   | 8000  | 24             | 5                 | 2934          | 5791   | 8725  | -22                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30     | 647,440                            | 2500                    | 700    | 3200  | 42                             | 30     | 2458                       | 2872   | 5330  | 1,201                                                  | 2963                      | 4597   | 7560  | 24             | 0                 | 2939          | 5446   | 8385  | -21                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 31     | 642,150                            | 2550                    | 630    | 3180  | 43                             | 31     | 2458                       | 2782   | 5240  | 1,200                                                  | 2708                      | 4042   | 6750  | 22             |                   | 2686          | 5102   | 7788  | -14                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SEPT 1 | 637,340                            | 2550                    | 620    | 3170  | 43                             | SEPT 1 | 2507                       | 2653   | 5160  | 1,200                                                  | 2757                      | 3833   | 6590  | 22             |                   | 2735          | 4649   | 7384  | 24                           |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2      | 632,050                            | 2520                    | 640    | 3160  | 43                             | 2      | 2507                       | 2603   | 5110  | 1,200                                                  | 2707                      | 3633   | 6370  | 22             |                   | 2685          | 4639   | 7324  | 10                           |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3      | 626,760                            | 2520                    | 630    | 3150  | 43                             | 3      | 2477                       | 2633   | 5110  | 1,200                                                  | 2677                      | 3533   | 6210  | 21             |                   | 2656          | 4477   | 7133  | -5                           |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4      | 621,970                            | 2560                    | 570    | 3130  | 44                             | 4      | 2477                       | 2593   | 5070  | 1,200                                                  | 2427                      | 3623   | 6050  | 19             |                   | 2408          | 4695   | 7103  | -45                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5      | 616,710                            | 2560                    | 560    | 3120  | 44                             | 5      | 2516                       | 2504   | 5020  | 1,200                                                  | 2466                      | 3474   | 5940  | 20             |                   | 2445          | 4436   | 6882  | -32                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6      | 611,700                            | 2560                    | 540    | 3100  | 44                             | 6      | 2516                       | 2444   | 4960  | 1,200                                                  | 2715                      | 3225   | 5940  | 22             |                   | 2693          | 4189   | 6882  | -37                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7      | 606,440                            | 2560                    | 520    | 3080  | 44                             | 7      | 2516                       | 2394   | 4910  | 1,200                                                  | 3016                      | 3194   | 6210  | 24             |                   | 2992          | 3980   | 6972  | -37                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8      | 601,660                            | 1871                    | 799    | 2670  | 32                             | 8      | 2516                       | 2354   | 4870  | 1,199                                                  | 3526                      | 2964   | 6590  | 28             |                   | 3498          | 3886   | 7384  | -40                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9      | 597,860                            | 860                     | 560    | 1420  | 15                             | 9      | 1839                       | 2421   | 4260  | 1,197                                                  | 3859                      | 3031   | 6890  | 31             |                   | 3828          | 3856   | 7684  | -43                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10     | 596,440                            | 200                     | 468    | 668   | 3                              | 10     | 845                        | 2325   | 3170  | 1,193                                                  | 4375                      | 2955   | 7330  | 35             |                   | 4340          | 3837   | 8177  | -43                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11     | 595,960                            | 180                     | 455    | 635   | 3                              | 11     | 197                        | 2263   | 2460  | 1,186                                                  | 4727                      | 3093   | 7820  | 38             |                   | 4689          | 3929   | 8618  | -66                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12     | 595,730                            | 180                     | 400    | 580   | 3                              | 12     | 177                        | 2163   | 2340  | 1,176                                                  | 4707                      | 3323   | 8030  | 38             |                   | 4689          | 4322   | 8991  | -66                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13     | 595,490                            | 180                     | 400    | 580   | 3                              | 13     | 177                        | 2073   | 2250  | 1,168                                                  | 4707                      | 3353   | 8060  | 38             |                   | 4689          | 4322   | 8991  | -65                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14     | 595,250                            | 180                     | 395    | 575   | 3                              | 14     | 177                        | 2043   | 2220  | 1,158                                                  | 4977                      | 3083   | 8060  | 40             |                   | 4937          | 4054   | 8991  | -50                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15     | 594,780                            | 180                     | 390    | 570   | 3                              | 15     | 177                        | 2043   | 2220  | 1,149                                                  | 4977                      | 3083   | 8060  | 40             |                   | 4937          | 4055   | 8992  | -53                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16     | 594,300                            | 180                     | 385    | 565   | 3                              | 16     | 177                        | 2013   | 2190  | 1,140                                                  | 4707                      | 3353   | 8060  | 38             |                   | 4669          | 4293   | 8962  | -50                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17     | 593,830                            | 180                     | 355    | 535   | 3                              | 17     | 177                        | 1943   | 2120  | 1,131                                                  | 4707                      | 3353   | 8060  | 38             |                   | 4669          | 4253   | 8922  | -39                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18     | 593,590                            | 180                     | 335    | 515   | 3                              | 18     | 177                        | 1863   | 2040  | 1,121                                                  | 4707                      | 3353   | 8060  | 38             |                   | 4669          | 4253   | 8922  | -39                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19     | 592,880                            | 180                     | 335    | 515   | 3                              | 19     | 177                        | 1863   | 2040  | 1,112                                                  | 4977                      | 2963   | 7940  | 40             |                   | 4937          | 3885   | 8822  | -56                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20     | 592,400                            | 180                     | 335    | 515   | 3                              | 20     | 177                        | 1853   | 2030  | 1,103                                                  | 4707                      | 2993   | 7700  | 38             |                   | 4669          | 3681   | 8350  | -40                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 21     | 591,930                            | 180                     | 335    | 515   | 3                              | 21     | 177                        | 1843   | 2020  | 1,094                                                  | 3207                      | 3683   | 6890  | 26             |                   | 3181          | 4868   | 8049  | -42                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22     | 591,460                            | 180                     | 330    | 510   | 3                              | 22     | 177                        | 1843   | 2020  | 1,089                                                  | 3207                      | 2923   | 6130  | 26             |                   | 3181          | 3763   | 6944  | -50                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 23     | 591,220                            | 180                     | 330    | 510   | 3                              | 23     | 177                        | 1823   | 2000  | 1,083                                                  | 2437                      | 3323   | 5760  | 19             |                   | 2418          | 4134   | 6552  | -56                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24     | 590,980                            | 180                     | 330    | 510   | 3                              | 24     | 177                        | 1803   | 1980  | 1,078                                                  | 2437                      | 3163   | 5600  | 19             |                   | 2418          | 3953   | 6371  | -73                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25     | 590,510                            | 180                     | 278    | 458   | 3                              | 25     | 177                        | 1773   | 1960  | 1,073                                                  | 2557                      | 3023   | 5580  | 20             |                   | 2537          | 3774   | 6311  | -49                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 26     | 590,030                            | 180                     | 250    | 430   | 3                              | 26     | 177                        | 1713   | 1890  | 1,068                                                  | 2557                      | 3073   | 5630  | 20             |                   | 2537          | 3804   | 6341  | -37                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 27     | 589,560                            | 180                     | 250    | 430   | 3                              | 27     | 177                        | 1703   | 1880  | 1,064                                                  | 2557                      | 3073   | 5630  | 20             |                   | 2537          | 3804   | 6341  | -37                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 28     | 588,080                            | 180                     | 250    | 430   | 3                              | 28     | 177                        | 1703   | 1880  | 1,059                                                  | 2697                      | 2903   | 5600  | 22             |                   | 2675          | 3666   | 6341  | -37                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 29     | 588,510                            | 180                     | 250    | 430   | 3                              | 29     | 177                        | 1703   | 1880  | 1,054                                                  | 2437                      | 3193   | 5630  | 19             |                   | 2418          | 3923   | 6341  | -37                          |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30     |                                    |                         |        |       | 3                              | 30     | 177                        | 1693   | 1870  | 1,049                                                  | 2437                      | 3213   | 5650  | 19             |                   | 2418          | 3953   | 6371  | -100                         |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|        |                                    |                         |        |       |                                |        |                            |        |       |                                                        |                           |        |       |                |                   |               |        |       | (1,351)                      | (180) | (167,279) |  | (168,790) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|        |                                    |                         |        |       |                                |        |                            |        |       |                                                        |                           |        |       |                |                   |               |        |       |                              |       |           |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



OF DATA AT AND BETWEEN SNAKE RIVER GAGING

| WATERS TO SHELLEY |                    | DATE   | SNAKE RIVER NEAR SHELLEY |        |       | SHELLEY TO BLACKFOOT |                    | THEORETICAL BALANCE OF STORAGE AT BLACKFOOT | DATE   | SNAKE RIVER NEAR BLACKFOOT |         |        | BLACKFOOT TO NEELEY |                   | DATE | AMERICAN FALLS RESERVOIR CONTENTS THOUSANDS OF ACRES-FOOT | SNAKE RIVER AT NEELEY |         |        |
|-------------------|--------------------|--------|--------------------------|--------|-------|----------------------|--------------------|---------------------------------------------|--------|----------------------------|---------|--------|---------------------|-------------------|------|-----------------------------------------------------------|-----------------------|---------|--------|
| STORAGE LOSS      | STORAGE DIVERSIONS |        | STORAGE                  | NORMAL | TOTAL | STORAGE LOSS         | STORAGE DIVERSIONS |                                             |        | STORAGE                    | STORAGE | NORMAL | TOTAL               | CALCULATED INFLOW |      |                                                           | STORAGE DIVERSIONS    | STORAGE | NORMAL |
| 204               | 1578               | AUG 17 | 1845                     | 2365   | 4210  | 69                   | 688                | 1078                                        | AUG 18 | 168                        | 1082    | 358    | 1440                | 2646              | 189  | AUG 19                                                    | 1,000                 | 9896    | 3006   |
| 205               | 1585               | 18     | 1883                     | 1817   | 3700  | 72                   | 688                | 1078                                        | 19     | 168                        | 584     | 378    | 962                 | 2660              | 180  | 20                                                        | 987                   | 9862    | 3038   |
| 205               | 1699               | 19     | 1740                     | 1730   | 3470  | 28                   | 1308               | 1123                                        | 20     | 202                        | 410     | 392    | 802                 | 2664              | 176  | 21                                                        | 989                   | 9744    | 3058   |
| 205               | 1573               | 20     | 1841                     | 1719   | 3560  | 34                   | 1274               | 408                                         | 21     | 202                        | 554     | 392    | 946                 | 2663              | 164  | 22                                                        | 952                   | 9645    | 3055   |
| 205               | 1541               | 21     | 1861                     | 1799   | 3660  | 37                   | 1250               | 533                                         | 22     | 202                        | 698     | 392    | 1090                | 2645              | 159  | 23                                                        | 935                   | 9563    | 3037   |
| 205               | 1442               | 22     | 1965                     | 1685   | 3630  | 49                   | 1155               | 761                                         | 23     | 201                        | 869     | 391    | 1260                | 2648              | 159  | 24                                                        | 918                   | 9561    | 3039   |
| 200               | 1384               | 23     | 1898                     | 1762   | 3660  | 44                   | 1168               | 686                                         | 24     | 197                        | 903     | 387    | 1290                | 2652              | 170  | 25                                                        | 901                   | 9461    | 3039   |
| 200               | 1373               | 24     | 1997                     | 1723   | 3720  | 52                   | 1134               | 811                                         | 25     | 193                        | 797     | 383    | 1180                | 2649              | 190  | 26                                                        | 881                   | 9568    | 3032   |
| 200               | 1401               | 25     | 2009                     | 1531   | 3540  | 51                   | 1163               | 795                                         | 26     | 146                        | 562     | 336    | 898                 | 2640              | 192  | 27                                                        | 864                   | 9824    | 2978   |
| 200               | 1411               | 26     | 1973                     | 1347   | 3320  | 36                   | 1375               | 562                                         | 27     | 131                        | 425     | 321    | 746                 | 2643              | 192  | 28                                                        | 845                   | 9836    | 2984   |
| 212               | 1399               | 27     | 2249                     | 1181   | 3430  | 54                   | 1350               | 845                                         | 28     | 144                        | 612     | 334    | 946                 | 2639              | 191  | 29                                                        | 829                   | 9727    | 2973   |
| 213               | 1357               | 28     | 2370                     | 1240   | 3610  | 63                   | 1318               | 989                                         | 29     | 173                        | 967     | 363    | 1330                | 2665              | 152  | 30                                                        | 815                   | 9572    | 3026   |
| 201               | 1373               | 29     | 2218                     | 1742   | 3960  | 60                   | 1213               | 945                                         | 30     | 186                        | 1524    | 376    | 1900                | 2668              | 145  | 31                                                        | 798                   | 9556    | 3044   |
| 143               | 1320               | 30     | 1245                     | 3095   | 4340  | 7                    | 1121               | 117                                         | 31     | 182                        | 1968    | 372    | 2340                | 2677              | 145  | SEPT 1                                                    | 784                   | 9551    | 3049   |
| 143               | 1179               | 31     | 1401                     | 3019   | 4420  | 84                   | 3                  | 1314                                        | SEPT 1 | 186                        | 1694    | 376    | 2070                | 2668              | 145  | 2                                                         | 768                   | 8956    | 3044   |
| 131               | 906                | SEPT 1 | 1500                     | 2440   | 3940  | 89                   | 10                 | 1401                                        | 2      | 167                        | 1313    | 357    | 1670                | 2667              | 145  | 3                                                         | 757                   | 7978    | 3024   |
| 133               | 868                | 2      | 1981                     | 1629   | 3610  | 119                  | 0                  | 1862                                        | 3      | 144                        | 1156    | 334    | 1490                | 2680              | 145  | 4                                                         | 747                   | 6786    | 3014   |
| 131               | 860                | 3      | 1802                     | 1668   | 3470  | 108                  | 5                  | 1689                                        | 4      | 144                        | 936     | 334    | 1270                | 2661              | 145  | 5                                                         | 734                   | 6409    | 2995   |
| 130               | 828                | 4      | 1643                     | 1597   | 3240  | 99                   | 0                  | 1544                                        | 5      | 166                        | 844     | 356    | 1200                | 2638              | 145  | 6                                                         | 724                   | 6406    | 2994   |
| 118               | 1052               | 5      | 1192                     | 1998   | 3190  | 71                   | 3                  | 1118                                        | 6      | 173                        | 817     | 363    | 1180                | 2666              | 139  | 7                                                         | 712                   | 7771    | 3029   |
| 120               | 969                | 6      | 1034                     | 2076   | 3110  | 62                   | 4                  | 968                                         | 7      | 168                        | 662     | 358    | 1020                | 2666              | 139  | 8                                                         | 698                   | 8576    | 3024   |
| 131               | 952                | 7      | 1232                     | 1738   | 2970  | 74                   | 0                  | 1158                                        | 8      | 123                        | 361     | 313    | 674                 | 2650              | 139  | 9                                                         | 679                   | 8637    | 2963   |
| 146               | 972                | 8      | 1496                     | 1094   | 2590  | 44                   | 760                | 692                                         | 9      | 109                        | 141     | 299    | 440                 | 2656              | 139  | 10                                                        | 664                   | 8545    | 2955   |
| 171               | 1037               | 9      | 1883                     | 537    | 2420  | 33                   | 1334               | 516                                         | 10     | 86                         | 30      | 278    | 306                 | 2658              | 139  | 11                                                        | 649                   | 8266    | 2934   |
| 187               | 1260               | 10     | 1951                     | 559    | 2510  | 41                   | 1269               | 641                                         | 11     | 117                        | 21      | 307    | 328                 | 2678              | 139  | 12                                                        | 633                   | 7815    | 2985   |
| 212               | 1496               | 11     | 2196                     | 544    | 2740  | 62                   | 1159               | 975                                         | 12     | 102                        | 107     | 292    | 399                 | 2677              | 127  | 13                                                        | 619                   | 7431    | 2969   |
| 229               | 1747               | 12     | 2049                     | 1041   | 3090  | 45                   | 1304               | 700                                         | 13     | 127                        | 502     | 317    | 819                 | 2695              | 121  | 14                                                        | 608                   | 7188    | 3012   |
| 228               | 1528               | 13     | 2251                     | 1379   | 3630  | 54                   | 1357               | 840                                         | 14     | 111                        | 1069    | 301    | 1370                | 2712              | 121  | 15                                                        | 593                   | 7087    | 3013   |
| 228               | 1564               | 14     | 2222                     | 1548   | 3770  | 53                   | 1337               | 832                                         | 15     | 59                         | 1001    | 249    | 1250                | 2704              | 121  | 16                                                        | 582                   | 7047    | 2963   |
| 238               | 1632               | 15     | 2563                     | 1027   | 3590  | 72                   | 1361               | 1130                                        | 16     | 48                         | 782     | 238    | 1020                | 2694              | 121  | 17                                                        | 570                   | 6518    | 2932   |
| 241               | 1518               | 16     | 2644                     | 1036   | 3680  | 76                   | 1378               | 1190                                        | 17     | 39                         | 851     | 229    | 1080                | 2710              | 121  | 18                                                        | 557                   | 6111    | 2939   |
| 228               | 1383               | 17     | 2556                     | 1164   | 3720  | 70                   | 1385               | 1101                                        | 18     | 50                         | 780     | 240    | 1020                | 2716              | 121  | 19                                                        | 547                   | 5994    | 2956   |
| 228               | 1445               | 18     | 2602                     | 938    | 3540  | 68                   | 1470               | 1064                                        | 19     | 102                        | 778     | 292    | 1070                | 2717              | 121  | 20                                                        | 536                   | 5851    | 3009   |
| 241               | 1574               | 19     | 2730                     | 970    | 3700  | 79                   | 1420               | 1231                                        | 20     | 138                        | 1332    | 328    | 1860                | 2755              | 121  | 21                                                        | 527                   | 5677    | 3083   |
| 241               | 1520               | 20     | 2616                     | 1444   | 4060  | 74                   | 1390               | 1152                                        | 21     | 168                        | 2002    | 356    | 2360                | 2755              | 121  | 22                                                        | 520                   | 4847    | 3113   |
| 228               | 1290               | 21     | 2750                     | 1490   | 4240  | 87                   | 1293               | 1370                                        | 22     | 143                        | 2017    | 333    | 2350                | 2739              | 121  | 23                                                        | 516                   | 3888    | 3072   |
| 156               | 1086               | 22     | 1544                     | 2296   | 3840  | 17                   | 1266               | 261                                         | 23     | 100                        | 1358    | 292    | 1650                | 2723              | 121  | 24                                                        | 511                   | 3335    | 3015   |
| 156               | 830                | 23     | 2100                     | 1090   | 3190  | 51                   | 1253               | 796                                         | 24     | 79                         | 951     | 269    | 1220                | 2715              | 120  | 25                                                        | 505                   | 3206    | 2984   |
| 118               | 704                | 24     | 1508                     | 1402   | 2910  | 15                   | 1256               | 237                                         | 25     | 99                         | 731     | 289    | 1020                | 2716              | 119  | 26                                                        | 503                   | 3305    | 3005   |
| 118               | 796                | 25     | 1431                     | 1199   | 2630  | 29                   | 954                | 448                                         | 26     | 125                        | 639     | 315    | 954                 | 2742              | 119  | 27                                                        | 497                   | 3813    | 3057   |
| 124               | 908                | 26     | 1457                     | 1373   | 2830  | 33                   | 912                | 512                                         | 27     | 143                        | 897     | 333    | 1230                | 2747              | 114  | 28                                                        | 490                   | 4520    | 3060   |
| 124               | 818                | 27     | 1556                     | 1534   | 3090  | 43                   | 839                | 674                                         | 28     | 140                        | 1320    | 330    | 1650                | 2767              | 106  | 29                                                        | 482                   | 4485    | 3097   |
| 124               | 673                | 28     | 1716                     | 1544   | 3260  | 72                   | 518                | 1126                                        | 29     | 127                        | 1533    | 317    | 1850                | 2736              | 102  | 30                                                        | 475                   | 4117    | 3053   |
| 131               | 627                | 29     | 1922                     | 1338   | 3260  | 86                   | 485                | 1351                                        | 30     | 124                        | 1636    | 314    | 1950                | 2737              | 102  | OCT 1                                                     | 468                   | 3949    | 3051   |
| 118               | 627                | 30     | 1705                     | 1615   | 3320  | 74                   | 465                | 1166                                        | OCT 1  | 113                        | 1757    | 303    | 2060                | 2760              | 101  | 2                                                         | 467                   | 3777    | 3053   |
| 118               | 610                | OCT 1  | 1585                     | 1805   | 3390  | 95                   | 0                  | 1490                                        | 2      | 125                        | 1775    | 315    | 2090                | 2750              | 101  | 3                                                         | 462                   | 3685    | 3085   |
|                   |                    |        |                          |        |       |                      |                    |                                             |        | (43,748)                   |         |        | (6,405)             |                   |      |                                                           | (327,314)             |         |        |
|                   |                    |        |                          |        |       |                      |                    |                                             |        | (2733)                     |         |        | (42,403)            |                   |      |                                                           |                       |         |        |
|                   |                    |        |                          |        |       |                      |                    |                                             |        | (87,912)                   |         |        |                     |                   |      |                                                           |                       |         |        |



## G STATIONS

1964

| RIVER<br>KEY | LAKE<br>WALCOTT<br>CONTENTS<br>ACRE-Feet | MINIDOKA CANALS |       |       |        |        | SNAKE RIVER<br>NEAR MINIDOKA |        |       | DATE    | MILNER<br>LAKE<br>GAGE<br>FEET | MINIDOKA<br>NORTH SIDE<br>PUMP<br>STORED | MINOR<br>DIVERSIONS<br>NEELEY<br>TO MILNER<br>STORED | GOODING PROJECT |        |       | NORTH SIDE CANAL COMPA |         |      |           |        |
|--------------|------------------------------------------|-----------------|-------|-------|--------|--------|------------------------------|--------|-------|---------|--------------------------------|------------------------------------------|------------------------------------------------------|-----------------|--------|-------|------------------------|---------|------|-----------|--------|
|              |                                          | NORTH           | SOUTH | TOTAL | STORED | NORMAL | STORED                       | NORMAL | TOTAL |         |                                |                                          |                                                      | STORED          | NORMAL | TOTAL | P.A.                   | GOODING | MAIN | TOTAL     | STORED |
| 12900        | 92,390                                   | 1510            | 1400  | 3010  | 3010   | 0      | 8536                         | 3004   | 9540  | AUG 20  | 10.71                          | 251                                      | 4                                                    | 1530            | 0      | 1530  | 62                     | 990     | 2920 | 3872      | 3618   |
| 12900        | 94,140                                   | 1620            | 1390  | 3010  | 3010   | 0      | 8922                         | 3038   | 9960  |         | 10.94                          | 251                                      | 3                                                    | 1500            | 0      | 1500  | 64                     | 980     | 3000 | 4044      | 3687   |
| 12800        | 93,320                                   | 1610            | 1370  | 2980  | 2980   | 0      | 8644                         | 3056   | 9700  |         | 11.00                          | 245                                      | 3                                                    | 1480            | 0      | 1480  | 64                     | 970     | 2980 | 4014      | 3655   |
| 12700        | 93,090                                   | 1560            | 1370  | 2930  | 2930   | 0      | 8425                         | 3055   | 9480  |         | 10.97                          | 245                                      | 3                                                    | 1470            | 0      | 1470  | 66                     | 980     | 2940 | 3986      | 3627   |
| 12600        | 93,320                                   | 1510            | 1360  | 2870  | 2870   | 0      | 8323                         | 3037   | 9360  |         | 10.87                          | 245                                      | 3                                                    | 1460            | 0      | 1460  | 66                     | 970     | 2900 | 3936      | 3579   |
| 12500        | 93,200                                   | 1480            | 1350  | 2810  | 2810   | 0      | 8441                         | 3039   | 9480  |         | 10.90                          | 238                                      | 3                                                    | 1480            | 0      | 1480  | 66                     | 980     | 2890 | 3936      | 3579   |
| 12500        | 93,090                                   | 1530            | 1340  | 2870  | 2870   | 0      | 8471                         | 3039   | 9510  |         | 10.68                          | 238                                      | 3                                                    | 1480            | 0      | 1480  | 66                     | 990     | 2850 | 3906      | 3549   |
| 12600        | 90,760                                   | 1600            | 1340  | 2940  | 2940   | 0      | 8698                         | 3032   | 9730  |         | 10.77                          | 238                                      | 3                                                    | 1490            | 0      | 1490  | 66                     | 990     | 2880 | 3936      | 3560   |
| 12800        | 91,690                                   | 1590            | 1350  | 2940  | 2940   | 0      | 8694                         | 2976   | 9670  |         | 10.62                          | 238                                      | 3                                                    | 1490            | 0      | 1490  | 66                     | 990     | 2840 | 3896      | 3546   |
| 12800        | 90,180                                   | 1520            | 1350  | 2870  | 2870   | 0      | 8676                         | 2964   | 9640  |         | 10.82                          | 231                                      | 3                                                    | 1500            | 0      | 1500  | 66                     | 1000    | 2840 | 3908      | 3557   |
| 12700        | 92,390                                   | 1360            | 1340  | 2700  | 2700   | 0      | 8637                         | 2973   | 9610  | 11.08   | 231                            | 3                                        | 1530                                                 | 0               | 1530   | 66    | 1010                   | 2780    | 3856 | 3506      |        |
| 12600        | 93,090                                   | 1330            | 1330  | 2660  | 2660   | 0      | 8362                         | 3028   | 9390  | 11.02   | 223                            | 3                                        | 1500                                                 | 0               | 1500   | 66    | 1000                   | 2760    | 3826 | 3470      |        |
| 12600        | 93,440                                   | 1290            | 1320  | 2600  | 2600   | 0      | 8036                         | 3044   | 9080  | 11.02   | 219                            | 3                                        | 1450                                                 | 0               | 1450   | 66    | 990                    | 2670    | 3726 | 3368      |        |
| 12600        | 93,790                                   | 1130            | 1310  | 2440  | 2440   | 0      | 5971                         | 3049   | 9020  | 11.10   | 211                            | 3                                        | 1440                                                 | 0               | 1440   | 66    | 990                    | 2640    | 3696 | 3337      |        |
| 12000        | 95,670                                   | 1090            | 1290  | 2380  | 2380   | 0      | 5766                         | 3044   | 8810  | 11.12   | 188                            | 3                                        | 1440                                                 | 0               | 1440   | 64    | 980                    | 2640    | 3684 | 3326      |        |
| 11000        | 96,630                                   | 1090            | 1270  | 2360  | 2360   | 0      | 5296                         | 3024   | 8320  | 10.97   | 173                            | 3                                        | 1420                                                 | 0               | 1420   | 64    | 960                    | 2640    | 3664 | 3308      |        |
| 9800         | 95,670                                   | 1140            | 1240  | 2380  | 2380   | 0      | 4806                         | 3014   | 7820  | 10.76   | 163                            | 3                                        | 1390                                                 | 0               | 1390   | 62    | 930                    | 2640    | 3632 | 3278      |        |
| 9400         | 94,800                                   | 1160            | 1190  | 2350  | 2350   | 0      | 4595                         | 2995   | 7590  | 10.36   | 163                            | 3                                        | 1400                                                 | 0               | 1400   | 62    | 930                    | 2650    | 3642 | 3290      |        |
| 9400         | 91,690                                   | 1160            | 1170  | 2330  | 2330   | 0      | 4796                         | 2994   | 7790  | 10.15   | 163                            | 3                                        | 1400                                                 | 0               | 1400   | 62    | 940                    | 2660    | 3652 | 3310      |        |
| 10800        | 89,600                                   | 1190            | 1140  | 2330  | 2330   | 0      | 5351                         | 3029   | 8380  | 10.23   | 163                            | 3                                        | 1410                                                 | 0               | 1410   | 58    | 940                    | 2620    | 3618 | 3262      |        |
| 11600        | 90,290                                   | 1190            | 1120  | 2310  | 2310   | 0      | 5326                         | 3024   | 8350  | 10.19   | 163                            | 3                                        | 1410                                                 | 0               | 1410   | 58    | 940                    | 2610    | 3608 | 3252      |        |
| 11600        | 90,290                                   | 1180            | 1120  | 2300  | 2300   | 0      | 5647                         | 2963   | 8610  | 10.38   | 166                            | 3                                        | 1350                                                 | 0               | 1350   | 58    | 920                    | 2550    | 3528 | 3180      |        |
| 11500        | 90,990                                   | 1180            | 1120  | 2300  | 2300   | 0      | 5565                         | 2955   | 8520  | 10.66   | 161                            | 3                                        | 1330                                                 | 0               | 1330   | 58    | 910                    | 2490    | 3458 | 3111      |        |
| 11200        | 91,690                                   | 1150            | 1110  | 2260  | 2260   | 0      | 5276                         | 2934   | 8210  | 10.74   | 134                            | 3                                        | 1340                                                 | 0               | 1340   | 53    | 940                    | 2490    | 3483 | 3138      |        |
| 10800        | 92,860                                   | 1050            | 1100  | 2150  | 2150   | 0      | 5055                         | 2985   | 8040  | 10.81   | 134                            | 3                                        | 1340                                                 | 0               | 1340   | 53    | 940                    | 2490    | 3483 | 3132      |        |
| 10400        | 93,200                                   | 1010            | 1100  | 2110  | 2110   | 0      | 4901                         | 2969   | 7870  | 10.70   | 134                            | 3                                        | 1340                                                 | 0               | 1340   | 53    | 930                    | 2480    | 3463 | 3113      |        |
| 10200        | 92,880                                   | 989             | 1090  | 2079  | 2079   | 0      | 4858                         | 3012   | 7870  | 10.67   | 130                            | 3                                        | 1330                                                 | 0               | 1330   | 48    | 920                    | 2490    | 3458 | 3104      |        |
| 10100        | 92,270                                   | 922             | 1070  | 1992  | 1992   | 0      | 4967                         | 3013   | 7980  | 10.78   | 130                            | 3                                        | 1340                                                 | 0               | 1340   | 48    | 940                    | 2430    | 3418 | 3064      |        |
| 10000        | 92,620                                   | 911             | 997   | 1908  | 1908   | 0      | 4837                         | 2953   | 7790  | 10.73   | 122                            | 3                                        | 1340                                                 | 0               | 1340   | 48    | 940                    | 2360    | 3348 | 3001      |        |
| 9450         | 92,270                                   | 896             | 955   | 1851  | 1851   | 0      | 4578                         | 2932   | 7510  | 10.55   | 122                            | 3                                        | 1330                                                 | 0               | 1330   | 48    | 920                    | 2320    | 3288 | 2943      |        |
| 9050         | 91,570                                   | 799             | 886   | 1685  | 1685   | 0      | 4491                         | 2939   | 7430  | 10.62   | 128                            | 3                                        | 1330                                                 | 0               | 1330   | 46    | 920                    | 2250    | 3218 | 2873      |        |
| 8950         | 92,160                                   | 714             | 838   | 1552  | 1552   | 0      | 4304                         | 2956   | 7260  | 10.61   | 128                            | 3                                        | 1330                                                 | 0               | 1330   | 46    | 930                    | 2130    | 3108 | 2760      |        |
| 8860         | 92,160                                   | 716             | 784   | 1500  | 1500   | 0      | 4071                         | 3009   | 7080  | 10.82   | 126                            | 3                                        | 1330                                                 | 0               | 1330   | 46    | 930                    | 1980    | 2958 | 2602      |        |
| 8780         | 92,860                                   | 698             | 746   | 1444  | 1281   | 163    | 4130                         | 2920   | 7050  | 10.79   | 128                            | 3                                        | 1240                                                 | 0               | 1240   | 46    | 930                    | 1940    | 2916 | 2516      |        |
| 7960         | 93,550                                   | 646             | 743   | 1389  | 896    | 493    | 4210                         | 2820   | 6830  | 11.05   | 124                            | 3                                        | 1220                                                 | 0               | 1220   | 46    | 960                    | 1870    | 2876 | 2476      |        |
| 6960         | 93,790                                   | 656             | 698   | 1354  | 832    | 522    | 3530                         | 2550   | 6080  | 10.97   | 114                            | 3                                        | 1200                                                 | 0               | 1200   | 44    | 940                    | 1780    | 2764 | 2364      |        |
| 6350         | 93,440                                   | 678             | 638   | 1316  | 961    | 355    | 2920                         | 2660   | 5580  | 10.60   | 114                            | 3                                        | 1180                                                 | 0               | 1180   | 46    | 920                    | 1700    | 2668 | 2266      |        |
| 6190         | 91,230                                   | 700             | 633   | 1333  | 1019   | 314    | 2910                         | 2670   | 5580  | 10.56   | 114                            | 3                                        | 1180                                                 | 0               | 1180   | 46    | 900                    | 1660    | 2606 | 2206      |        |
| 6310         | 91,230                                   | 731             | 625   | 1356  | 971    | 385    | 2740                         | 2620   | 5360  | 10.27   | 114                            | 3                                        | 1190                                                 | 0               | 1190   | 46    | 870                    | 1600    | 2516 | 2116      |        |
| 6870         | 90,290                                   | 726             | 619   | 1345  | 928    | 417    | 3150                         | 2640   | 5790  | 10.35   | 101                            | 3                                        | 1210                                                 | 0               | 1210   | 46    | 840                    | 1570    | 2456 | 2056      |        |
| 7600         | 89,940                                   | 726             | 619   | 1345  | 885    | 460    | 3590                         | 2620   | 6210  | 10.57   | 98                             | 3                                        | 1220                                                 | 0               | 1220   | 46    | 880                    | 1480    | 2386 | 1986      |        |
| 7660         | 90,410                                   | 726             | 636   | 1362  | 895    | 467    | 3400                         | 2630   | 6030  | 10.65   | 98                             | 3                                        | 1210                                                 | 0               | 1210   | 46    | 890                    | 1360    | 2296 | 1896      |        |
| 7170         | 88,830                                   | 759             | 649   | 1408  | 1005   | 403    | 3010                         | 2650   | 5660  | 10.46   | 94                             | 2                                        | 1190                                                 | 0               | 1190   | 0     | 850                    | 1310    | 2160 | 1760      |        |
| 7000         | 88,660                                   | 770             | 698   | 1468  | 1027   | 441    | 3210                         | 2610   | 5820  | 10.69   | 96                             | 2                                        | 1210                                                 | 0               | 1210   | 0     | 860                    | 1310    | 2170 | 1770      |        |
| 6830         | 90,680                                   | 748             | 724   | 1472  | 909    | 563    | 2890                         | 2490   | 5380  | 10.66   | 98                             | 2                                        | 1190                                                 | 0               | 1190   | 0     | 850                    | 1230    | 2090 | 1690      |        |
| 6750         | 90,640                                   | 735             | 726   | 1461  | 846    | 615    | 2740                         | 2450   | 5190  | 10.62   | 98                             | 2                                        | 1190                                                 | 0               | 1190   | 0     | 860                    | 1170    | 2030 | 1530      |        |
|              |                                          |                 |       |       |        |        |                              |        |       | (7,488) | (135)                          | (62,330)                                 |                                                      |                 |        |       |                        |         |      | (135,437) |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
|              |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |
| </           |                                          |                 |       |       |        |        |                              |        |       |         |                                |                                          |                                                      |                 |        |       |                        |         |      |           |        |



# PLATE NO. 12 A

| NY  | TWIN FALLS CANAL COMPANY |        | MILNER LOW LIFT |         | SNAKE RIVER AT MILNER |        |
|-----|--------------------------|--------|-----------------|---------|-----------------------|--------|
|     | STORIED                  | NORMAL | STORIED         | NORMAL  | STORIED               | NORMAL |
| 354 | 1180                     | 2650   | 3830            | 244     | 244                   | 247    |
| 357 | 1139                     | 2681   | 3820            | 244     | 244                   | 247    |
| 359 | 1143                     | 2697   | 3840            | 244     | 244                   | 247    |
| 359 | 1124                     | 2696   | 3820            | 244     | 244                   | 249    |
| 357 | 1130                     | 2680   | 3810            | 249     | 249                   | 249    |
| 357 | 1138                     | 2682   | 3820            | 260     | 254                   | 254    |
| 357 | 1168                     | 2682   | 3850            | 270     | 259                   | 259    |
| 356 | 1204                     | 2676   | 3880            | 279     | 256                   | 256    |
| 350 | 1194                     | 2626   | 3820            | 279     | 254                   | 254    |
| 349 | 1215                     | 2615   | 3830            | 272     | 254                   | 254    |
| 350 | 1117                     | 2623   | 3740            | 262     | 259                   | 259    |
| 356 | 1018                     | 2672   | 3690            | 250     | 498                   | 498    |
| 358 | 1004                     | 2686   | 3690            | 231     | 551                   | 551    |
| 359 | 910                      | 2690   | 3600            | 210     | 264                   | 264    |
| 358 | 804                      | 2686   | 3490            | 202     | 540                   | 540    |
| 356 | 792                      | 2668   | 3460            | 190     | 536                   | 536    |
| 354 | 820                      | 2660   | 3480            | 182     | 347                   | 347    |
| 352 | 817                      | 2643   | 3460            | 182     | 252                   | 252    |
| 352 | 838                      | 2642   | 3480            | 182     | 247                   | 247    |
| 356 | 807                      | 2673   | 3480            | 182     | 242                   | 242    |
| 356 | 812                      | 2668   | 3480            | 182     | 249                   | 249    |
| 348 | 815                      | 2615   | 3430            | 182     | 254                   | 254    |
| 347 | 752                      | 2608   | 3360            | 173     | 259                   | 259    |
| 345 | 751                      | 2589   | 3340            | 158     | 261                   | 261    |
| 351 | 706                      | 2634   | 3340            | 147     | 261                   | 261    |
| 350 | 671                      | 2619   | 3290            | 147     | 261                   | 261    |
| 354 | 632                      | 2658   | 3290            | 147     | 259                   | 259    |
| 354 | 561                      | 2659   | 3220            | 147     | 259                   | 259    |
| 347 | 444                      | 2606   | 3050            | 152     | 261                   | 261    |
| 345 | 363                      | 2587   | 2950            | 155     | 259                   | 259    |
| 345 | 236                      | 2594   | 2830            | 148     | 259                   | 259    |
| 348 | 192                      | 2608   | 2800            | 140     | 261                   | 261    |
| 354 | 115                      | 2655   | 2770            | 127     | 254                   | 254    |
| 400 | 0                        | 2520   | 2520            | 122     | 256                   | 256    |
| 400 | 0                        | 2220   | 2220            | 121     | 264                   | 264    |
| 400 | 0                        | 2150   | 2150            | 113     | 264                   | 264    |
| 400 | 0                        | 2260   | 2260            | 108     | 254                   | 254    |
| 400 | 0                        | 2270   | 2270            | 108     | 249                   | 249    |
| 400 | 0                        | 2220   | 2220            | 108     | 247                   | 247    |
| 400 | 0                        | 2240   | 2240            | 106     | 247                   | 247    |
| 400 | 0                        | 2220   | 2220            | 100     | 249                   | 249    |
| 400 | 0                        | 2230   | 2230            | 84      | 249                   | 249    |
| 400 | 0                        | 2250   | 2250            | 84      | 247                   | 247    |
| 400 | 0                        | 2210   | 2210            | 91      | 247                   | 247    |
| 400 | 0                        | 2090   | 2090            | 95      | 249                   | 249    |
| 400 | 0                        | 2050   | 2050            | 95      | 249                   | 249    |
|     | (27,612)                 |        |                 | (7,998) | (12,894)              |        |



# DAILY SEGREGATION OF

| DATE             | JACKSON<br>LAKE<br>CONTENTS<br>ACRE-Feet | SNAKE RIVER<br>AT MORAN |        |       | STORED<br>LOSS<br>MORAN TO<br>ALPINE | DATE | SNAKE RIVER<br>NEAR ALPINE |        |       | PALISADES<br>RESERVOIR<br>CONTENTS<br>THOUSANDS OF<br>ACRE-Feet | SNAKE RIVER<br>NEAR IRWIN |        |       | IRWIN TO HEISE |                      | HEISE & RILEY |        |       | STORED<br>INFLOW<br>HENRYS FORK | HEISE TO<br>STORED<br>LOSS |
|------------------|------------------------------------------|-------------------------|--------|-------|--------------------------------------|------|----------------------------|--------|-------|-----------------------------------------------------------------|---------------------------|--------|-------|----------------|----------------------|---------------|--------|-------|---------------------------------|----------------------------|
|                  |                                          | STORED                  | NORMAL | TOTAL |                                      |      | STORED                     | NORMAL | TOTAL |                                                                 | STORED                    | NORMAL | TOTAL | STORED<br>LOSS | STORED<br>DIVERSIONS | STORED        | NORMAL | TOTAL |                                 |                            |
| SEPT 30          | 588,370                                  | 0                       | 430    | 430   | 0                                    |      |                            |        |       |                                                                 |                           |        |       |                |                      |               |        |       |                                 |                            |
| OCT 1            | 588,370                                  | 70                      | 352    | 422   | 1                                    | 2    | 0                          | 1870   | 1870  | 1,044                                                           | 2520                      | 3130   | 5650  | 20             |                      | 2500          | 3870   | 6370  | -253                            | 22                         |
| 2                | 588,140                                  | 45                      | 377    | 422   | 1                                    | 3    | 69                         | 1801   | 1870  | 1,038                                                           | 2379                      | 2901   | 5280  | 19             |                      | 2360          | 3770   | 6130  | 202                             | 15                         |
| 3                | 588,140                                  | 0                       | 422    | 422   | 0                                    | 4    | 44                         | 1796   | 1840  | 1,034                                                           | 1754                      | 3046   | 4800  | 14             |                      | 1740          | 3970   | 5710  | 0                               | 85                         |
| 4                | 588,140                                  | 40                      | 382    | 422   | 1                                    | 5    | 0                          | 1820   | 1820  | 1,031                                                           | 1760                      | 3020   | 4780  | 14             |                      | 1746          | 3764   | 5510  |                                 | 85                         |
| 5                | 588,140                                  | 80                      | 342    | 422   | 1                                    | 6    | 39                         | 1811   | 1850  | 1,027                                                           | 1799                      | 2981   | 4780  | 14             |                      | 1785          | 3665   | 5450  |                                 | 87                         |
| 6                | 587,900                                  | 120                     | 302    | 422   | 2                                    | 7    | 79                         | 1771   | 1850  | 1,024                                                           | 1839                      | 2911   | 4750  | 15             |                      | 1824          | 3626   | 5450  |                                 | 85                         |
| 7                | 587,660                                  | 60                      | 362    | 422   | 1                                    | 8    | 118                        | 1752   | 1870  | 1,020                                                           | 1878                      | 2922   | 4800  | 15             |                      | 1863          | 3567   | 5430  |                                 | 91                         |
| 8                | 587,660                                  | 60                      | 362    | 422   | 1                                    | 9    | 59                         | 1811   | 1870  | 1,017                                                           | 1810                      | 3210   | 4820  | 13             |                      | 1597          | 3623   | 5430  |                                 | 78                         |
| 9                | 587,420                                  | 0                       | 422    | 422   | 0                                    | 10   | 59                         | 1831   | 1890  | 1,014                                                           | 1569                      | 2771   | 4340  | 12             |                      | 1557          | 3613   | 5170  |                                 | 76                         |
| 10               | 587,420                                  | 0                       | 422    | 422   | 0                                    | 11   | 0                          | 1920   | 1920  | 1,011                                                           | 1210                      | 3080   | 4290  | 10             |                      | 1200          | 3700   | 4900  |                                 | 58                         |
| 11               | 587,420                                  | 0                       | 422    | 422   | 0                                    | 12   | 0                          | 1910   | 1910  | 1,009                                                           | 1010                      | 3280   | 4290  | 8              |                      | 1002          | 3898   | 4900  |                                 | 49                         |
| 12               | 587,420                                  | 0                       | 422    | 422   | 0                                    | 13   | 0                          | 1890   | 1890  | 1,007                                                           | 1010                      | 3280   | 4290  | 8              |                      | 1002          | 3868   | 4870  |                                 | 49                         |
| 13               | 587,420                                  | 130                     |        |       | 2                                    | 14   | 128                        |        |       | 1,004                                                           | 931                       | 2959   | 3890  | 7              |                      | 924           | 3716   | 4640  |                                 | 45                         |
| 14               | 586,950                                  | 230                     |        |       | 4                                    | 15   | 226                        |        |       | 1,003                                                           | 729                       | 3091   | 3820  | 6              |                      | 723           | 3687   | 4410  |                                 | 35                         |
| 15               | 586,480                                  | 230                     |        |       | 4                                    | 16   | 226                        |        |       | 1,002                                                           | 729                       | 2661   | 3390  | 6              |                      | 723           | 3337   | 4060  |                                 | 30                         |
| 16               | 586,000                                  | 130                     |        |       | 2                                    | 17   | 128                        |        |       | 1,001                                                           | 631                       | 2709   | 3340  | 5              |                      | 626           | 3334   | 3960  |                                 |                            |
| 17               | 585,760                                  | 0                       |        |       | 0                                    |      | 0                          |        |       | 1,000                                                           | 0                         | 3260   | 3260  |                |                      | 0             | 3910   | 3910  |                                 |                            |
| 18               | 585,000                                  | 0                       |        |       | 0                                    |      | 0                          |        |       |                                                                 |                           |        |       |                |                      |               |        |       |                                 |                            |
| TOTAL PLATE 13   | (1,195)                                  |                         |        |       | (20)                                 |      | (1,175)                    |        |       |                                                                 | (23,358)                  |        |       | (186)          |                      | (23,172)      |        |       | -51                             | 11,31                      |
| TOTAL FOR SEASON | 134,099                                  |                         |        |       | 2,274                                |      | 131,825                    |        |       |                                                                 | 336,012                   |        |       | 2,691          | 455                  | 332,866       |        |       | -15,187                         | 18,24                      |



# OF DATA AT AND BETWEEN SNAKE RIVER GAGING

| HEISE TO SHELLEY |                       | DATE  | SNAKE RIVER<br>NEAR SHELLEY |        |       | SHELLEY TO BLACKFOOT |                       | THEORETICAL<br>BALANCE OF<br>STORAGE AT<br>BLACKFOOT | DATE  | 24 HOUR            |                             | SNAKE RIVER<br>NEAR BLACKFOOT |        |       | BLACKFOOT TO NEELEY  |                       | DATE    | AMERICAN FALLS<br>RESERVOIR<br>CONTENTS<br>THOUSANDS OF<br>ACRE-Feet | SNAKE<br>AT NEELEY |
|------------------|-----------------------|-------|-----------------------------|--------|-------|----------------------|-----------------------|------------------------------------------------------|-------|--------------------|-----------------------------|-------------------------------|--------|-------|----------------------|-----------------------|---------|----------------------------------------------------------------------|--------------------|
| STORIED<br>LOSS  | STORIED<br>DIVERSIONS |       | STORIED                     | NORMAL | TOTAL | STORIED<br>LOSS      | STORIED<br>DIVERSIONS |                                                      |       | BLACKFOOT<br>RIVER | SECOND-Feet EXCEPT AS NOTED | STORIED                       | NORMAL | TOTAL | CALCULATED<br>INFLOW | STORIED<br>DIVERSIONS |         |                                                                      |                    |
| 122              |                       | OCT 2 | 2125                        | 1375   | 3500  | 127                  |                       | 1998                                                 |       |                    |                             |                               |        |       |                      |                       |         |                                                                      |                    |
| 115              |                       | 3     | 2447                        | 943    | 3390  | 141                  |                       | 2306                                                 | OCT 3 | 136                | 1854                        | 326                           | 2180   | 2750  | 101                  |                       | OCT 4   | 459                                                                  | 3834               |
| 85               |                       | 4     | 1855                        | 1375   | 3030  | 99                   |                       | 1556                                                 | 4     | 132                | 1608                        | 322                           | 1930   | 2750  | 101                  |                       | 5       | 455                                                                  | 3318               |
| 85               |                       | 5     | 1861                        | 1189   | 2850  | 100                  |                       | 1561                                                 | 5     | 128                | 1332                        | 318                           | 1650   | 2750  | 101                  |                       | 6       | 453                                                                  | 3202               |
| 87               |                       | 6     | 1698                        | 1172   | 2870  | 102                  |                       | 1598                                                 | 6     | 114                | 1236                        | 304                           | 1540   | 2750  | 101                  |                       | 7       | 448                                                                  | 2976               |
| 89               |                       | 7     | 1735                        | 1115   | 2850  | 104                  |                       | 1631                                                 | 7     | 110                | 1260                        | 300                           | 1560   | 2750  | 101                  |                       | 8       | 443                                                                  | 2860               |
| 91               |                       | 8     | 1772                        | 1118   | 2890  | 106                  |                       | 1666                                                 | 8     | 127                | 1283                        | 317                           | 1600   | 2750  | 101                  |                       | 9       | 441                                                                  | 2403               |
| 78               |                       | 9     | 1519                        | 1391   | 2910  | 91                   |                       | 1428                                                 | 9     | 144                | 1406                        | 334                           | 1740   | 2750  | 101                  |                       | 10      | 438                                                                  | 1526               |
| 76               |                       | 10    | 1481                        | 1409   | 2890  | 89                   |                       | 1392                                                 | 10    | 166                | 1474                        | 356                           | 1830   | 2750  | 101                  |                       | 11      | 439                                                                  | 118                |
| 59               |                       | 11    | 1141                        | 1659   | 2800  | 68                   |                       | 1073                                                 | 11    | 170                | 1450                        | 360                           | 1810   | 2750  | 101                  |                       | 12      | 439                                                                  | 1160               |
| 49               |                       | 12    | 953                         | 1877   | 2830  | 57                   |                       | 896                                                  | 12    | 166                | 1384                        | 356                           | 1740   | 2750  | 101                  |                       | 13      | 440                                                                  | 1154               |
| 49               |                       | 13    | 953                         | 1767   | 2720  | 57                   |                       | 896                                                  | 13    | 160                | 1390                        | 350                           | 1740   | 2750  | 101                  |                       | 14      | 440                                                                  | 1180               |
| 45               |                       | 14    | 879                         | 1771   | 2650  | 53                   |                       | 826                                                  | 14    | 172                | 1338                        | 362                           | 1700   | 2750  | 101                  |                       | 15      | 441                                                                  | 1148               |
| 35               |                       | 15    | 688                         | 1772   | 2460  | 41                   |                       | 647                                                  | 15    | 170                | 1240                        | 360                           | 1600   | 2750  | 80                   |                       | 16      | 440                                                                  | 1150               |
| 35               |                       | 16    | 688                         | 1662   | 2350  | 41                   |                       | 647                                                  | 16    | 158                | 1182                        | 348                           | 1530   | 2750  | 39                   |                       | 17      | 442                                                                  | 0                  |
| 31               |                       | 17    | 595                         | 1865   | 2460  | 36                   |                       | 559                                                  | 17    | 178                | 1132                        | 368                           | 1500   | 2750  |                      |                       | 18      | 446                                                                  | 0                  |
|                  |                       |       |                             |        |       |                      |                       |                                                      | 18    | 167                | 1263                        | 357                           | 1620   | 2750  |                      |                       | 19      | 448                                                                  |                    |
|                  |                       |       |                             |        |       |                      |                       |                                                      |       |                    |                             |                               |        |       |                      |                       | 20      | 450                                                                  |                    |
| (1,131)          |                       |       | (21,990)                    |        |       | (1,312)              |                       | (20,678)                                             |       |                    |                             | (21,832)                      |        |       |                      |                       | (1,331) |                                                                      | (26,325)           |
| 16,248           | 128,646               |       | 172,785                     |        |       | 6,917                | 57,439                | 108,429                                              |       |                    |                             | 108,429                       |        |       |                      |                       | 16,092  |                                                                      | 730,878            |



1964



(5,999)

33,361



[illegible]



## 196

24 HOUR SECOND- FEET EXCEPT AS NOTED

SEPTEMBER

[illegible]



| OCT 29 30 | 1-16 | NO. | TOTAL       |           | RESERVOIR EQUIVALENT | AMERICAN FALLS | JACKSON   | PALISADES | RENTALS (1) | OTHER RIGHTS | TOTAL SUPPLY |
|-----------|------|-----|-------------|-----------|----------------------|----------------|-----------|-----------|-------------|--------------|--------------|
|           |      |     | SECOND-FOOT | ACRE-FOOT | ACRE-FOOT            | ACRE-FOOT      | ACRE-FOOT | ACRE-FOOT | ACRE-FOOT   | ACRE-FOOT    | ACRE-FOOT    |
|           |      | 1   | 455         | 902       | 962                  |                |           |           | 195         | (2) 6,640    | 6,835        |
|           |      | 2   | 1,168       | 2,320     | 2,475                |                |           |           |             |              |              |
|           |      | 3   | 10,694      | 21,211    | 22,625               | 673            | 1,889     | 1,550     |             | (2) 430      | 3,812        |
|           |      | 4   | 3,408       | 6,756     | 7,306                | 12,485         | 7,209     | 28,500    |             |              | 48,624       |
|           |      | 5   | 7,721       | 15,314    | 16,335               |                | 2,000     | 8,400     | 250         |              | 11,850       |
|           |      | 6   | 120         | 238       | 254                  | 8,923          | 11,232    | 19,500    |             |              | 39,775       |
|           |      | 7   | 134         | 305       | 325                  |                |           |           |             | (2) 480      | 480          |
|           |      | 8   | 0           | 0         | 0                    |                |           | 1,440     |             |              | 1,440        |
|           |      | 9   | 109         | 218       | 230                  |                |           | 250       |             | (2) 240      | 240          |
|           |      | 10  | 137         | 272       | 290                  |                |           |           |             | (2) 60       | 60           |
|           |      | 11  | 6,453       | 12,819    | 13,674               | 12,025         | 11,943    | 23,500    |             | (2) 600      | 600          |
|           |      | 12  | 136         | 270       | 288                  |                |           |           |             | (2) 555      | 48,023       |
|           |      | 13  | 7,320       | 14,519    | 15,378               | 2,649          | 3,530     | 15,700    |             | (2) 400      | 400          |
|           |      | 14  | 53          | 105       | 112                  |                |           |           |             | (2) 5,084    | 26,963       |
|           |      | 15  | 14,392      | 28,546    | 30,449               | 9,496          | 10,603    | 31,400    |             | (2) 304      | 304          |
|           |      | 16  | 391         | 776       | 828                  |                |           | 800       |             |              | 51,429       |
|           |      | 17  | 203         | 403       | 430                  |                |           |           |             | (2) 95       | 895          |
|           |      | 18  | 371         | 736       | 785                  |                |           |           |             | (2) 1,100    | 1,100        |
|           |      | 19  | 303         | 601       | 641                  |                | 1,040     | 1,800     |             |              | 2,640        |
|           |      | 20  | 2,799       | 5,552     | 5,922                |                |           | 800       |             | (2) 100      | 900          |
|           |      | 21  | 5,128       | 10,171    | 10,849               | 3,868          | 4,000     | 6,300     |             | (2) 200      | 10,500       |
|           |      | 22  | 1,114       | 2,210     | 2,357                | 2,549          | 5,234     | 7,850     |             |              | 16,952       |
|           |      | 23  | 277         | 549       | 586                  |                | 1,472     | 3,150     |             |              | 7,171        |
|           |      | 24  | 39          | 78        | 83                   |                |           | 4,700     | 100         | (2) 100      | 4,900        |
|           |      | 25  | 183         | 363       | 387                  |                |           |           |             | (2) 420      | 420          |
|           |      | 26  | 1,296       | 2,571     | 2,742                |                |           |           |             | (2) 890      | 890          |
|           |      | 27  | 20          | 40        | 43                   |                |           | 6,300     |             | (2) 275      | 6,575        |
|           |      | 28  | 10          | 20        | 21                   | 886            | 511       | 4,700     |             |              | 4,700        |
|           |      | 29  | 587         | 1,164     | (3) 1,242            |                |           | 1,200     |             | (2) 200      | 2,597        |
|           |      | 30  | 1,115       | 2,212     | 2,359                |                |           | 6,000     |             |              | 6,200        |
|           |      | 31  | 313         | 621       | 662                  |                |           | 5,500     |             |              | 5,500        |
|           |      | 32  | 146         | 290       | 309                  |                |           | 1,200     |             |              | 1,200        |
|           |      | 33  | 76          | 151       | 161                  |                |           |           | 200         | (2) 375      | 375          |
|           |      | 34  | 1,300       | 2,579     | 2,750                | 4,666          | 2,695     | 44,000    |             |              | 51,361       |
|           |      | 35  | 3,379       | 6,702     | 7,149                | 13,459         | 7,771     | 15,250    |             |              | 36,480       |
|           |      | 36  | 181         | 359       | 383                  | 191            | 110       |           |             | (2) 720      | 1,021        |
|           |      | 37  | 60          | 119       | 127                  | 21             | 12        |           |             | (2) 94       | 127          |
|           |      | 38  | 282         | 559       | 596                  | 50             | 384       | 4,190     |             | (2) 622      | 5,246        |
|           |      | 39  | 7,354       | 14,586    | 15,558               | 22,911         | 13,230    | 58,800    |             |              | 94,941       |
|           |      | 40  | 13,152      | 26,087    | 27,826               | 25,731         | 19,857    | 33,750    | 275         | (2) 440      | 80,053       |
|           |      | 41  | 2,711       | 5,377     | 5,735                | 2,006          | 2,659     | 5,600     | 10          | (2) 150      | 10,425       |
|           |      | 42  | 1,698       | 3,398     | 3,593                | 8,047          | 3,491     | 6,000     |             |              | 15,538       |
|           |      | 43  | 31,088      | 61,619    | 65,727               | 26,367         | 30,225    | 35,300    |             |              | 91,892       |
|           |      | 44  | 1,187       | 2,355     | 2,512                |                |           |           | 315         | (7) 24,136   | 24,451       |
|           |      | 45  | 128,646     | 255,165   | 272,164              | 155,003        | 140,817   | 384,330   | 1,150       | 38,070       | 719,370      |
|           |      | 46  | 0           | 0         | 0                    |                |           |           | 750         | (2) 100      | 850          |
|           |      | 47  | 901         | 1,787     | 1,906                | 12,763         | 7,370     | 4,050     |             |              | 24,183       |
|           |      | 48  | 470         | 932       | 994                  |                |           | 11,750    |             |              | 11,750       |
|           |      | 49  | 8,320       | 16,502    | 17,602               | 21,415         | 20,365    | 35,000    |             |              | 76,780       |
|           |      | 50  | 44,423      | 88,112    | 93,986               | 55,591         | 74,626    | 152,800   | (5) -55     |              | 282,962      |
|           |      | 51  | 188         | 373       | 398                  | 3,398          | 5,961     | 6,300     |             |              | 11,657       |
|           |      | 52  | 488         | 974       | 1,036                |                |           | 1,500     |             |              | 1,500        |
|           |      | 53  | 907         | 1,799     | 1,919                |                | 758       | 2,350     |             |              | 2,350        |
|           |      | 54  | 335         | 664       | 708                  | 1,314          |           | 3,200     |             |              | 5,272        |
|           |      | 55  | 1,700       | 3,337     | 3,59                 |                |           | 600       |             | (6) -294     | 600          |
|           |      | 56  | 782         | 1,561     | 1,612                |                |           | 2,350     |             | (6) 294      | 2,056        |
|           |      | 57  | 487         | 966       | 1,052                |                |           | 700       |             |              | 994          |
|           |      | 58  | 57,439      | 113,927   | 121,522              | 94,479         | 105,080   | 220,600   | 750         | 45           | 420,954      |
|           |      | 59  | 8,152       | 16,169    |                      | 47,700         |           | 83,900    |             | (8) -750     | 130,850      |
|           |      | 60  | 7,940       | 15,749    |                      | 23,300         |           | 40,900    |             | (8) -3,105   | 61,095       |
|           |      | 61  | 201,505     | 399,679   |                      | 241,505        | 186,030   | 74,200    | 300         | (2) 2,330    | 653,734      |
|           |      | 62  | 323         | 641       |                      | 47,593         |           | 90,800    |             |              | 138,393      |
|           |      | 63  | 18,414      | 36,524    |                      | 400,000        |           | 1,000     |             |              | 401,000      |
|           |      | 64  | 136,901     | 271,539   |                      | 438,360        | 31,2007   | 116,600   |             |              | 866,967      |
|           |      | 65  | 276,534     | 548,497   |                      | 151,185        | 97,183    |           |             |              | 248,368      |
|           |      | 66  | 72,769      | 144,335   |                      | 45,687         |           | 27,500    | 1,460       |              | 73,647       |
|           |      | 67  | 19,849      | 39,568    |                      | 46,000         |           | 1051,440  |             |              | 45,000       |
|           |      | 68  | 21,089      | 41,629    |                      |                |           |           |             | (8) 3,855    | 51,440       |
|           |      | 69  |             |           |                      |                |           |           |             |              | 3,855        |
|           |      | 70  |             |           |                      |                |           |           |             |              | 3,825,138    |

NOTES

- (1) RENTED FROM WATER DISTRICT NO. 36
- (2) FROM PALISADES WATER USERS
- (3) WEST LABELLE 552 A.F., LONG ISLAND 580
- (4) INCLUDES WEST SIDE MUTUAL
- (5) TRANSFER TO ABERDEEN PUMP
- (6) TRANSFER FROM WATSON TO PARSONS
- (7) FROM PALISADES WATER USERS AND INCLUDES 23,114 A.F. HOLD OVER TO INDIVIDUALS IN MANY CANALS
- (8) RELEASED TO WATER DISTRICT 36 FOR RENTAL
- (9) LAKE WALCOTT 94,720 A.F., GAIN NEELEY TO MILNER 57,279 A.F.
- (10) WYOMING 33,000 A.F. MILNER LOW LIFT ALLOCATED 17,000, CONTINGENCIES 1,440
- (11) DOES NOT INCLUDE FOLLOWING ALLOTMENTS
 

|                       |        |
|-----------------------|--------|
| CITY OF POCATELLO     | 50,000 |
| SIMPLLOT              | 2,500  |
| PALISADES WATER USERS | 50,230 |
| WEST VACO             | 5,000  |



DEPARTMENT OF THE INTERIOR  
WATER RESOURCES BRANCH

File Number

District

TIME INTERVAL BETWEEN GAGING STATIONS ON SNAKE RIVER

Plate No 15

TIME: CLOUGH TO RUEGAR - 12 Hrs.  
RUEGAR TO MINIDOKA - 8 Hrs.  
MINIDOKA TO MILNER - 12 Hrs.

Moran to Heise - Disch. at Heise

Heise to Shelley - Disch. at Shelley

Shelley to Cloughs - Disch. at Shelley

TIME INTERVAL IN HOURS

Checked by \_\_\_\_\_ Date \_\_\_\_\_



[illegible]

HENRYS FORK CANALS

|       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  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|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| DEWEY | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-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TETON RIVER CANALS

| SIDOWAY | WILFORD | TETON IRRIGATION | GOOD LUCK | PIONEER | STEWART | PINCOCK-BYINGTON | PINCOCK-GARNER | GARDNER | TETON ISLAND FEEDER | NORTH SALEM | ROXANA | ISLAND WARD | BIGLER | WOODMANSEE-JOHNSON | JAMES-THOMPSON | MC CORMICK-ROWE | CITY OF REXBURG | REXBURG IRRIGATION | SAURY-SOMMERS | TOTAL TETON RIVER |
|---------|---------|------------------|-----------|---------|---------|------------------|----------------|---------|---------------------|-------------|--------|-------------|--------|--------------------|----------------|-----------------|-----------------|--------------------|---------------|-------------------|
| 361     | 207     | 381              | 515       | 161     | 208     | 0                | 6,090          | 230     | 570                 | 1,308       | 542    | 57          | 49     | 677                | 384            | 4,259           | 118             | 19,384             |               |                   |
| 23      | 23      | 23               | 23        | 6       | 8       | 7                | 459,428        | 116     | 108                 | 5           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 212               |
| 24      | 24      | 24               | 24        | 6       | 8       | 7                | 446            | 101     | 101                 | 5           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 204               |
| 25      | 25      | 25               | 25        | 6       | 8       | 7                | 446            | 94      | 94                  | 4           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 198               |
| 27      | 27      | 27               | 27        | 6       | 8       | 7                | 446            | 86      | 86                  | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 190               |
| 31      | 31      | 31               | 31        | 5       | 6       | 6                | 446            | 84      | 84                  | 2           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 184               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 41      | 41                  | 2           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 164               |
| 37      | 37      | 37               | 37        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 32      | 32      | 32               | 32        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 27      | 27      | 27               | 27        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 28      | 28      | 28               | 28        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       | 6                | 446            | 0       | 0                   | 3           | 54     | 3           | 3      | 2                  | 2              | 10              | 7               | 27                 | 1             | 148               |
| 34      | 34      | 34               | 34        | 4       | 6       |                  |                |         |                     |             |        |             |        |                    |                |                 |                 |                    |               |                   |



JUNE 1894

FALL RIVER CANALS

| YELLOWSTONE             | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | TOTAL |
|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| MASTSVILLE              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |
| TOTAL ABOVE SQUIRREL    | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12    |
| FARMERS OWN             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |
| ENTERPRISE              | 0   | 38  | 76  | 84  | 92  | 92  | 93  | 93  | 88  | 82  | 86  | 91  | 90  | 88  | 86  | 88  | 91  | 86  | 81  | 81  | 81  | 78  | 76  | 89  | 102 | 174 | 126 | 137 | 139 |     |       |
| ALL RIVER               | 273 | 299 | 323 | 326 | 326 | 342 | 357 | 316 | 316 | 290 | 282 | 272 | 268 | 263 | 263 | 275 | 247 | 215 | 210 | 208 | 204 | 222 | 240 | 247 | 266 | 338 | 380 | 384 | 404 | 404 |       |
| C BEE                   | 1   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |       |
| HESTER                  | 22  | 109 | 121 | 122 | 124 | 128 | 132 | 135 | 103 | 71  | 70  | 69  | 67  | 73  | 75  | 73  | 71  | 69  | 68  | 66  | 65  | 64  | 68  | 73  | 73  | 73  | 73  | 72  |     |     |       |
| KEY                     | 20  | 20  | 19  | 19  | 18  | 18  | 18  | 18  | 18  | 16  | 13  | 13  | 14  | 14  | 14  | 13  | 12  | 10  | 9   | 7   | 6   | 5   | 4   | 16  | 29  | 31  | 34  | 36  | 36  |     |       |
| URR                     | 55  | 56  | 57  | 48  | 38  | 39  | 40  | 41  | 42  | 42  | 37  | 32  | 30  | 28  | 26  | 26  | 25  | 28  | 31  | 31  | 32  | 32  | 25  | 18  | 24  | 29  | 30  | 31  | 32  | 40  |       |
| TAL SQUIRREL TO CHESTER | 383 | 536 | 610 | 613 | 613 | 613 | 635 | 656 | 618 | 583 | 519 | 508 | 495 | 486 | 479 | 471 | 494 | 470 | 432 | 421 | 416 | 413 | 428 | 433 | 429 | 483 | 591 | 648 | 669 | 703 | 711   |

HENRY'S FORK CANALS

|                           |      |      |      |      |      |      |      |      |      |      |     |     |      |      |      |     |     |     |     |     |     |     |      |      |      |      |      |      |      |       |        |
|---------------------------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|-------|--------|
| LAST CHANCE               | 118  | 118  | 118  | 133  | 120  | 126  | 133  | 92   | 94   | 64   | 60  | 35  | 65   | 85   | 82   | 82  | 82  | 63  | 44  | 44  | 44  | 44  | 44   | 44   | 19   | 22   | 22   | 23   | 23   | 24    | 679    |
| CROSS CUT                 | 8    | 11   | 12   | 12   | 12   | 19   | 27   | 35   | 32   | 29   | 35  | 41  | 41   | 40   | 38   | 48  | 57  | 61  | 66  | 69  | 71  | 74  | 45   | 15   | 20   | 27   | 28   | 28   | 28   | 29    | 2,900  |
| STANTHONY UNION           | 581  | 582  | 583  | 564  | 544  | 566  | 533  | 449  | 436  | 448  | 445 | 432 | 432  | 453  | 474  | 474 | 409 | 409 | 422 | 377 | 383 | 389 | 430  | 462  | 529  | 550  | 581  | 608  | 572  | 581   | 1,059  |
| FARMERS FRIEND            | 173  | 170  | 166  | 170  | 156  | 149  | 146  | 110  | 114  | 110  | 110 | 88  | 85   | 84   | 123  | 129 | 134 | 121 | 63  | 50  | 40  | 104 | 104  | 117  | 121  | 138  | 152  | 191  | 195  | 222   | 14,698 |
| TWIN GROVES               | 170  | 170  | 170  | 168  | 163  | 165  | 165  | 148  | 151  | 146  | 146 | 139 | 150  | 133  | 152  | 151 | 136 | 152 | 63  | 106 | 62  | 127 | 117  | 150  | 126  | 148  | 148  | 152  | 162  | 158   | 3,835  |
| SALEM UNION               | 246  | 244  | 253  | 218  | 185  | 180  | 188  | 195  | 180  | 175  | 175 | 168 | 192  | 194  | 195  | 256 | 130 | 106 | 81  | 72  | 90  | 108 | 204  | 306  | 306  | 306  | 309  | 304  | 299  | 298   | 4,294  |
| TOTAL ASHTON TO STANTHONY | 1532 | 1522 | 1521 | 1521 | 1231 | 1231 | 1231 | 1038 | 1012 | 1001 | 920 | 978 | 1002 | 1078 | 1153 | 962 | 925 | 755 | 731 | 703 | 858 | 956 | 1206 | 1253 | 1323 | 1401 | 1452 | 1411 | 1487 |       | 33,628 |
| EGIN                      | 381  | 371  | 373  | 372  | 372  | 349  | 326  | 304  | 318  | 322  | 318 | 311 | 312  | 313  | 314  | 287 | 260 | 260 | 258 | 257 | 256 | 272 | 287  | 326  | 366  | 368  | 371  | 373  | 358  |       | 9,621  |
| STANTHONY UNION FEEDER    | 109  | 108  | 107  | 105  | 103  | 105  | 103  | 94   | 93   | 93   | 90  | 92  | 92   | 92   | 91   | 76  | 61  | 55  | 52  | 53  | 54  | 62  | 64   | 78   | 78   | 80   | 84   | 82   | 78   |       | 2,524  |
| INDEPENDENT               | 339  | 381  | 414  | 408  | 402  | 392  | 383  | 352  | 340  | 338  | 325 | 325 | 314  | 304  | 293  | 278 | 264 | 244 | 240 | 245 | 250 | 250 | 257  | 264  | 357  | 366  | 372  | 379  | 385  | 371   | 9,892  |
| CONSOLIDATED FARMERS      | 234  | 286  | 278  | 278  | 282  | 286  | 290  | 256  | 221  | 192  | 163 | 158 | 153  | 148  | 148  | 147 | 129 | 111 | 111 | 111 | 131 | 151 | 184  | 217  | 180  | 142  | 104  | 140  |      | 5,680 |        |
| TOTAL STANTHONY TO EXBURG | 1153 | 1152 | 1172 | 1163 | 1155 | 1128 | 1078 | 1040 | 1007 | 974  | 925 | 889 | 876  | 862  | 847  | 804 | 747 | 694 | 666 | 666 | 671 | 671 | 722  | 766  | 945  | 1027 | 1000 | 976  | 944  | 947   | 27,717 |
| SIDOWAY                   |      |      |      |      |      |      |      |      |      |      |     |     |      |      |      |     |     |     |     |     |     |     |      |      |      |      |      |      |      |       |        |

TETON RIVER CANALS

|                     |      |      |      |      |      |      |      |      |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |      |    |
|---------------------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|----|
| SIDOWAY             | 8    | 10   | 10   | 11   | 13   | 9    | 5    | 1    | 1   | 1   | 2   | 3   | 3    | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3    | 3    | 3    | 3    | 3    |    |
| WILFORD             | 104  | 68   | 74   | 80   | 87   | 94   | 86   | 78   | 70  | 36  | 1   | 58  | 115  | 115 | 116 | 116 | 112 | 107 | 102 | 99  | 89  | 81  | 74  | 93  | 112 | 131  | 150  | 168  | 186  | 204  |    |
| TETON IRRIGATION    | 42   | 49   | 53   | 57   | 55   | 53   | 50   | 48   | 45  | 46  | 47  | 46  | 46   | 46  | 47  | 47  | 41  | 40  | 34  | 38  | 41  | 40  | 39  | 60  | 65  | 70   | 75   | 79   | 81   | 83   |    |
| GOOD LUCK           | 8    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1   | 2   | 1   | 0   | 0    | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |    |
| PIONEER             | 10   | 4    | 4    | 3    | 3    | 3    | 3    | 3    | 3   | 3   | 3   | 3   | 3    | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3    | 3    | 3    | 3    | 3    |    |
| STEWART             | 30   | 29   | 31   | 33   | 36   | 39   | 32   | 26   | 19  | 18  | 17  | 18  | 18   | 17  | 16  | 15  | 16  | 17  | 16  | 15  | 14  | 13  | 12  | 12  | 12  | 13   | 14   | 15   | 13   | 12   |    |
| PINCOCK-BAYINGTON   | 1    | 1    | 2    | 2    | 3    | 3    | 3    | 3    | 3   | 3   | 3   | 3   | 3    | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3    | 3    | 3    | 3    | 3    |    |
| GARONER             | 18   | 15   | 15   | 15   | 17   | 19   | 16   | 13   | 10  | 10  | 10  | 10  | 10   | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10   | 10   | 10   | 10   | 10   |    |
| TETON ISLAND FEEDER | 1    | 1    | 2    | 2    | 2    | 2    | 2    | 2    | 2   | 2   | 2   | 2   | 2    | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2    | 2    | 2    | 2    | 2    |    |
| ROXANA              | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3   | 3   | 3   | 3   | 3    | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3    | 3    | 3    | 3    | 3    |    |
| NORTH SALEM         | 397  | 369  | 408  | 450  | 459  | 468  | 417  | 356  | 315 | 351 | 387 | 418 | 449  | 421 | 393 | 365 | 312 | 260 | 272 | 284 | 251 | 218 | 311 | 368 | 426 | 484  | 464  | 444  | 420  | 385  |    |
| ISLAND WARD         | 31   | 30   | 30   | 31   | 28   | 27   | 24   | 20   | 17  | 16  | 15  | 16  | 16   | 14  | 15  | 16  | 17  | 17  | 17  | 22  | 28  | 26  | 25  | 12  | 8   | 5    | 2    | 5    | 10   | 15   | 18 |
| BIGLER              | 80   | 76   | 85   | 94   | 73   | 52   | 44   | 36   | 28  | 26  | 25  | 27  | 29   | 20  | 12  | 4   | 5   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6    | 6    | 6    | 6    | 6    |    |
| WOODMANSEE-JOHNSON  | 36   | 17   | 18   | 19   | 20   | 21   | 35   | 59   | 65  | 43  | 21  | 18  | 16   | 17  | 17  | 18  | 17  | 18  | 17  | 17  | 17  | 17  | 17  | 17  | 17  | 17   | 17   | 17   | 17   | 17   |    |
| JAMES-THOMPSON      | 2    | 2    | 2    | 3    | 3    | 3    | 3    | 3    | 3   | 3   | 3   | 3   | 3    | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3    | 3    | 3    | 3    | 3    |    |
| MACCORMICK-ROWE     | 44   | 44   | 44   | 44   | 44   | 44   | 44   | 44   | 44  | 44  | 44  | 44  | 44   | 44  | 44  | 44  | 44  | 44  | 44  | 44  | 44  | 44  | 44  | 44  | 44  | 44   | 44   | 44   | 44   | 44   |    |
| CITY OF REXBURG     | 28   | 28   | 24   | 24   | 27   | 30   | 29   | 29   | 28  | 24  | 21  | 18  | 14   | 13  | 13  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12   | 12   | 12   | 12   | 12   |    |
| REXBURG IRRIGATION  | 271  | 272  | 275  | 289  | 305  | 180  | 243  | 252  | 246 | 201 | 184 | 184 | 215  | 208 | 201 | 228 | 234 | 254 | 220 | 220 | 201 | 171 | 169 | 169 | 177 | 241  | 209  | 275  | 283  | 282  |    |
| SAURY-SOMMERS       | 11   | 11   | 14   | 16   | 18   | 19   | 22   | 26   | 29  | 28  | 28  | 28  | 27   | 27  | 27  | 27  | 27  | 27  | 27  | 27  | 27  | 27  | 27  | 27  | 27  | 27   | 27   | 27   | 27   | 27   |    |
| TOTAL TETON RIVER   | 1130 | 1024 | 1098 | 1168 | 1192 | 1045 | 1061 | 1004 | 931 | 857 | 812 | 899 | 1017 | 970 | 925 | 914 | 890 | 880 | 864 | 881 | 791 | 703 | 762 | 868 | 968 | 1134 | 1139 | 1200 | 1234 | 1224 |    |



[illegible]

HENRYS FORK CANALS

|                            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |        |       |        |
|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|-------|--------|
| DEWEY                      | 26   | 26   | 25   | 24   | 23   | 22   | 21   | 22   | 23   | 24   | 25   | 19   | 18   | 18   | 19   | 23   | 21   | 22   | 26   | 24   | 26   | 27   | 26   | 26   | 26   | 26   | 29   | 29   | 135   |        |       |        |
| LAST CHANCE                | 183  | 179  | 175  | 168  | 162  | 155  | 155  | 155  | 155  | 155  | 155  | 155  | 155  | 155  | 155  | 155  | 155  | 155  | 155  | 155  | 155  | 155  | 155  | 155  | 155  | 155  | 155  | 155  | 4,347 |        |       |        |
| CROSS CUT                  | 32   | 35   | 40   | 33   | 25   | 18   | 22   | 26   | 89   | 152  | 148  | 146  | 143  | 144  | 155  | 132  | 124  | 147  | 146  | 47   | 224  | 275  | 264  | 266  | 272  | 305  | 302  | 318  | 393   | 5,277  |       |        |
| ST ANTHONY UNION           | 553  | 557  | 561  | 546  | 531  | 518  | 505  | 492  | 498  | 504  | 518  | 532  | 546  | 436  | 430  | 434  | 457  | 472  | 480  | 495  | 497  | 515  | 506  | 537  | 557  | 559  | 557  | 550  | 480   | 15,765 |       |        |
| FARMERS FRIEND             | 215  | 209  | 195  | 181  | 153  | 136  | 131  | 129  | 136  | 134  | 130  | 126  | 150  | 160  | 131  | 20   | 104  | 92   | 87   | 83   | 114  | 139  | 121  | 125  | 127  | 124  | 116  | 107  | 103   | 81     | 3,949 |        |
| TWIN GROVES                | 164  | 156  | 158  | 151  | 131  | 126  | 124  | 128  | 124  | 123  | 127  | 140  | 131  | 70   | 124  | 128  | 153  | 131  | 133  | 136  | 132  | 134  | 134  | 141  | 137  | 125  | 123  | 75   | 4,021 |        |       |        |
| SALEM UNION                | 296  | 258  | 221  | 218  | 216  | 213  | 158  | 170  | 158  | 221  | 247  | 274  | 278  | 248  | 178  | 176  | 170  | 168  | 172  | 229  | 235  | 278  | 266  | 274  | 228  | 228  | 237  | 180  | 212   | 209    | 155   | 6,771  |
| TOTAL ASHTON TO ST ANTHONY | 1469 | 1420 | 1375 | 1321 | 1241 | 1188 | 1119 | 1119 | 1186 | 1311 | 1343 | 1379 | 1423 | 1308 | 1199 | 1005 | 1152 | 1181 | 1196 | 1163 | 1342 | 1485 | 1436 | 1479 | 1442 | 1473 | 1476 | 1415 | 1436  | 1450   | 1331  | 40,863 |
| EGIN                       | 343  | 330  | 316  | 314  | 312  | 310  | 293  | 276  | 285  | 294  | 296  | 298  | 300  | 249  | 224  | 278  | 309  | 305  | 324  | 328  | 287  | 298  | 307  | 296  | 324  | 294  | 296  | 301  | 280   | 271    | 233   | 9,171  |
| ST ANTHONY UNION FEEDER    | 74   | 74   | 74   | 72   | 70   | 69   | 66   | 62   | 60   | 58   | 59   | 61   | 62   | 58   | 50   | 48   | 52   | 56   | 56   | 61   | 61   | 60   | 60   | 63   | 64   | 62   | 42   | 51   | 45    | 44     | 41    | 1,835  |
| INDEPENDENT                | 357  | 335  | 327  | 320  | 314  | 307  | 293  | 279  | 288  | 298  | 305  | 312  | 319  | 272  | 250  | 250  | 291  | 283  | 310  | 312  | 323  | 323  | 333  | 340  | 346  | 314  | 304  | 303  | 291   | 291    | 296   | 9,486  |
| CONSOLIDATED FARMERS       | 177  | 196  | 216  | 216  | 215  | 215  | 214  | 212  | 208  | 205  | 234  | 263  | 292  | 264  | 203  | 203  | 195  | 234  | 232  | 262  | 260  | 324  | 313  | 307  | 217  | 208  | 207  | 209  | 212   | 212    | 212   | 2,137  |
| TOTAL STANTHONY TO REXBURG | 931  | 935  | 933  | 922  | 911  | 901  | 866  | 829  | 841  | 855  | 894  | 934  | 973  | 843  | 727  | 779  | 847  | 878  | 922  | 943  | 931  | 1005 | 1013 | 1006 | 951  | 878  | 849  | 864  | 828   | 818    | 782   | 21,629 |

TETON RIVER CANALS

|                     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |   |
|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|---|
| SIDOWAY             | 11   | 18   | 12   | 5    | 12   | 18   | 17   | 16   | 15   | 14   | 15   | 16   | 14   | 12   | 11   | 13   | 14   | 14   | 15   | 16   | 15   | 16   | 17   | 14   | 14   | 15  |   |
| WILFORD             | 180  | 156  | 150  | 145  | 142  | 138  | 140  | 143  | 138  | 134  | 151  | 168  | 185  | 188  | 193  | 188  | 173  | 164  | 149  | 144  | 150  | 154  | 104  | 106  | 107  | 142 |   |
| TETON IRRIGATION    | 82   | 82   | 81   | 80   | 80   | 80   | 86   | 92   | 53   | 14   | 38   | 61   | 84   | 79   | 96   | 99   | 101  | 103  | 95   | 101  | 104  | 112  | 103  | 104  | 106  | 107 |   |
| GOOD LUCK           | 16   | 29   | 30   | 31   | 25   | 19   | 20   | 20   | 28   | 36   | 44   | 52   | 60   | 38   | 36   | 1    | 23   | 23   | 23   | 53   | 50   | 28   | 37   | 35   | 35   | 36  |   |
| PIONEER             | 2    | 2    | 2    | 2    | 2    | 20   | 38   | 36   | 35   | 41   | 47   | 44   | 41   | 38   | 41   | 32   | 32   | 38   | 39   | 22   | 21   | 20   | 21   | 20   | 20   | 20  |   |
| STEWART             | 14   | 16   | 17   | 18   | 28   | 37   | 36   | 35   | 41   | 47   | 44   | 41   | 38   | 41   | 32   | 32   | 38   | 39   | 22   | 21   | 20   | 21   | 20   | 21   | 20   | 20  |   |
| PINCOCK-BYINGTON    | 15   | 22   | 22   | 22   | 19   | 16   | 15   | 14   | 14   | 15   | 15   | 16   | 16   | 15   | 15   | 16   | 15   | 14   | 15   | 12   | 13   | 12   | 17   | 17   | 13   | 13  |   |
| PINCOCK-GARNER      | 8    | 8    | 8    | 8    | 15   | 22   | 22   | 21   | 21   | 21   | 21   | 21   | 20   | 20   | 13   | 11   | 0    |      |      |      |      |      |      |      |      |     |   |
| GARDNER             |      |      |      |      | 0    | 10   | 21   | 21   | 21   | 21   | 21   | 21   | 20   | 20   | 13   | 11   | 0    |      |      |      |      |      |      |      |      |     |   |
| TETON ISLAND FEEDER | 398  | 411  | 462  | 512  | 449  | 426  | 453  | 480  | 493  | 506  | 493  | 480  | 476  | 480  | 453  | 468  | 367  | 389  | 383  | 353  | 316  | 378  | 422  | 397  | 391  | 371 |   |
| NORTH SALEM         | 18   | 21   | 20   | 19   | 18   | 13   | 6    |      |      |      |      |      |      | 16   | 18   | 28   | 27   | 18   | 19   | 11   | 12   | 12   | 26   | 31   | 35   | 31  |   |
| BOXANA              | 30   | 30   | 24   | 18   | 22   | 26   | 22   | 17   | 14   | 13   | 14   | 16   | 18   | 16   | 28   | 27   | 18   | 19   | 11   | 12   | 12   | 26   | 31   | 35   | 31   | 31  |   |
| ISLAND WARD         | 50   | 33   | 34   | 36   | 20   | 4    | 22   | 40   | 37   | 34   | 41   | 48   | 55   | 18   | 6    | 5    | 5    | 28   | 52   | 46   | 20   | 32   | 46   | 72   | 48   | 48  |   |
| BIGLER              | 42   | 16   | 15   | 14   | 10   | 7    | 6    | 5    | 5    | 5    | 8    | 10   | 13   | 12   | 14   | 14   | 13   | 13   | 13   | 12   | 6    | 5    | 4    | 0    |      |     |   |
| WOODMANSEE-JOHNSON  | 14   | 12   | 12   | 13   | 14   | 14   | 15   | 16   | 17   | 18   | 17   | 16   | 15   | 17   | 16   | 16   | 16   | 17   | 12   | 19   | 13   | 15   | 20   | 12   | 10   | 12  |   |
| EAMES-THOMPSON      | 2    | 3    | 3    | 3    | 3    | 3    | 2    | 0    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |   |
| McCORMICK-ROWE      | 12   | 10   | 10   | 10   | 9    | 8    | 7    | 6    | 6    | 5    | 5    | 5    | 5    | 5    | 5    | 4    | 4    | 4    | 4    | 4    | 3    | 3    | 3    | 3    | 3    | 2   |   |
| CITY OF REXBURG     | 27   | 54   | 32   | 32   | 34   | 38   | 38   | 38   | 31   | 23   | 24   | 24   | 24   | 24   | 27   | 27   | 27   | 27   | 27   | 28   | 23   | 23   | 24   | 28   | 21   | 26  |   |
| REXBURG IRRIGATION  | 268  | 267  | 252  | 246  | 248  | 248  | 246  | 242  | 242  | 238  | 228  | 244  | 246  | 246  | 289  | 284  | 270  | 255  | 237  | 240  | 225  | 216  | 279  | 501  | 281  | 209 |   |
| SAURY-SOMMERS       | 6    | 6    | 6    | 6    | 5    | 8    | 12   | 10   | 8    | 9    | 10   | 10   | 11   | 11   | 14   | 21   | 18   | 13   | 14   | 9    | 10   | 10   | 10   | 10   | 10   | 0   | 0 |
| TOTAL TETON RIVER   | 1193 | 1176 | 1192 | 1219 | 1204 | 1186 | 1222 | 1249 | 1230 | 1208 | 1276 | 1288 | 1327 | 1080 | 1310 | 1244 | 1147 | 1153 | 1106 | 1155 | 1046 | 1071 | 1273 | 1212 | 1211 | 119 |   |
|                     | 391  | 391  | 391  | 391  | 391  | 391  | 391  | 391  | 391  | 391  | 391  | 391  | 391  | 391  | 391  | 391  | 391  | 391  | 391  | 391  | 391  | 391  | 391  | 391  | 391  | 391 |   |



|             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 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| YELLOWSTONE | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 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|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|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WATER DISCHARGE IN SECOND-FEET OF HENRY'S FORK CANALS

AUGUST 1964

CANAL



| DATE   | HENRYS LAKE CONTENTS ACRE-Feet | HENRYS FORK NEAR LAKE |        |       | STORED LOSS LAKE TO ISLAND PARK | STORED DIVERSIONS ABOVE ISLAND PARK | F.M. DIST SHERIDAN CREEK RIGHT | STORED INFLOW TO ISLAND PARK RESERVOIR | DATE  | ISLAND PARK RESERVOIR CONTENTS ACRE-Feet | HENRYS FORK NEAR ISLAND PARK |        |       | STORED LOSS | STORED DIVERSIONS | DATE    | HENRYS FORK NEAR ASHTON |        |
|--------|--------------------------------|-----------------------|--------|-------|---------------------------------|-------------------------------------|--------------------------------|----------------------------------------|-------|------------------------------------------|------------------------------|--------|-------|-------------|-------------------|---------|-------------------------|--------|
|        |                                | STORED                | NORMAL | TOTAL |                                 |                                     |                                |                                        |       |                                          | STORED                       | NORMAL | TOTAL |             |                   |         | STORED                  | NORMAL |
| JULY 8 |                                |                       |        |       |                                 |                                     |                                |                                        |       |                                          |                              |        |       |             |                   |         |                         |        |
| 19     |                                |                       |        |       |                                 |                                     |                                |                                        |       |                                          |                              |        |       |             |                   |         |                         |        |
| 20     | 82,300                         | 55                    | 56     | 111   | 2                               |                                     |                                |                                        |       |                                          |                              |        |       |             |                   | JULY 20 | 400                     | 1,420  |
| 21     |                                | 48                    | 55     | 103   | 2                               |                                     |                                | 53                                     | 20    | 130,980                                  | 490                          | 600    | 1,090 | 12          |                   | 21      | 478                     | 1,440  |
| 22     |                                | 47                    | 50     | 97    | 2                               |                                     |                                | 58                                     | 21    | 130,010                                  | 710                          | 590    | 1,300 | 18          |                   | 22      | 692                     | 1,580  |
| 23     |                                | 45                    | 50     | 95    | 2                               | 5                                   | 12                             | 52                                     | 22    | 128,280                                  | 880                          | 580    | 1,460 | 22          | 5                 | 23      | 853                     | 1,460  |
| 24     |                                | 33                    | 45     | 88    | 1                               | 5                                   | 12                             | 50                                     | 23    | 126,640                                  | 950                          | 570    | 1,520 | 24          | 5                 | 24      | 921                     | 1,490  |
| 25     |                                | 35                    | 45     | 80    | 1                               | 10                                  | 12                             | 34                                     | 24    | 124,620                                  | 1,010                        | 560    | 1,570 | 25          | 5                 | 25      | 980                     | 1,440  |
| 26     |                                | 34                    | 40     | 74    | 1                               | 10                                  | 12                             | 36                                     | 25    | 122,790                                  | 1,000                        | 560    | 1,560 | 25          | 5                 | 26      | 970                     | 1,480  |
| 27     | 81,300                         | 66                    | 40     | 126   | 3                               | 15                                  | 12                             | 30                                     | 26    | 120,900                                  | 990                          | 550    | 1,540 | 25          | 5                 | 27      | 960                     | 1,480  |
| 28     |                                | 155                   | 40     | 195   | 6                               | 15                                  | 12                             | 80                                     | 27    | 118,880                                  | 990                          | 550    | 1,540 | 25          | 5                 | 28      | 960                     | 1,480  |
| 29     |                                | 148                   | 35     | 183   | 6                               | 15                                  | 12                             | 146                                    | 28    | 117,220                                  | 1,000                        | 540    | 1,540 | 25          | 5                 | 29      | 970                     | 1,480  |
| 30     | 80,100                         | 142                   | 35     | 177   | 6                               | 15                                  | 12                             | 139                                    | 29    | 115,670                                  | 1,000                        | 530    | 1,530 | 23          | 5                 | 30      | 970                     | 1,480  |
| 31     |                                | 130                   | 35     | 165   | 5                               | 20                                  | 12                             | 128                                    | 30    | 113,620                                  | 940                          | 530    | 1,470 | 24          | 5                 | 31      | 911                     | 1,480  |
| AUG 1  |                                | 126                   | 35     | 161   | 5                               | 20                                  | 12                             | 117                                    | 31    | 112,240                                  | 890                          | 530    | 1,420 | 22          | 5                 | AUG 1   | 863                     | 1,380  |
| 2      | 78,700                         | 122                   | 35     | 157   | 5                               | 20                                  | 12                             | 113                                    | AUG 1 | 110,580                                  | 890                          | 530    | 1,420 | 22          | 5                 | 2       | 883                     | 1,380  |
| 3      |                                | 118                   | 35     | 153   | 5                               | 20                                  | 12                             | 109                                    | 2     | 108,940                                  | 890                          | 530    | 1,420 | 22          | 5                 | 3       | 863                     | 1,380  |
| 4      |                                | 114                   | 35     | 149   | 5                               | 20                                  | 12                             | 105                                    | 3     | 107,320                                  | 870                          | 530    | 1,400 | 22          | 5                 | 4       | 843                     | 1,380  |
| 5      |                                | 114                   | 35     | 149   | 5                               | 20                                  | 12                             | 101                                    | 4     | 105,980                                  | 710                          | 530    | 1,240 | 18          | 5                 | 5       | 687                     | 1,380  |
| 6      |                                | 111                   | 35     | 146   | 4                               | 20                                  | 12                             | 99                                     | 5     | 104,870                                  | 620                          | 530    | 1,150 | 16          | 5                 | 6       | 599                     | 1,380  |
| 7      |                                | 109                   | 35     | 144   | 4                               | 20                                  | 12                             | 97                                     | 6     | 103,780                                  | 780                          | 530    | 1,310 | 20          | 5                 | 7       | 755                     | 1,380  |
| 8      |                                | 107                   | 35     | 142   | 4                               | 20                                  | 12                             | 95                                     | 7     | 102,260                                  | 820                          | 530    | 1,350 | 20          | 5                 | 8       | 795                     | 1,380  |
| 9      |                                | 109                   | 35     | 144   | 4                               | 20                                  | 12                             | 97                                     | 8     | 100,960                                  | 800                          | 530    | 1,330 | 20          | 5                 | 9       | 775                     | 1,380  |
| 10     |                                | 105                   | 35     | 140   | 4                               | 20                                  | 12                             | 93                                     | 9     | 100,150                                  | 790                          | 530    | 1,320 | 20          | 5                 | 10      | 765                     | 1,380  |
| 11     | 76,500                         | 110                   | 30     | 140   | 4                               | 20                                  | 12                             | 98                                     | 10    | 98,540                                   | 730                          | 530    | 1,260 | 18          | 5                 | 11      | 707                     | 1,380  |
| 12     |                                | 110                   | 30     | 140   | 4                               | 20                                  | 12                             | 98                                     | 11    | 97,220                                   | 700                          | 530    | 1,230 | 18          | 5                 | 12      | 677                     | 1,380  |
| 13     |                                | 108                   | 30     | 138   | 4                               | 20                                  | 12                             | 96                                     | 12    | 96,220                                   | 620                          | 530    | 1,150 | 16          | 5                 | 13      | 599                     | 1,380  |
| 14     |                                | 108                   | 30     | 138   | 4                               | 20                                  | 12                             | 96                                     | 13    | 95,360                                   | 490                          | 530    | 1,020 | 12          | 5                 | 14      | 473                     | 1,380  |
| 15     |                                | 110                   | 30     | 140   | 4                               | 20                                  | 12                             | 98                                     | 14    | 94,720                                   | 384                          | 530    | 914   | 10          | 5                 | 15      | 369                     | 1,380  |
| 16     |                                | 110                   | 30     | 140   | 4                               | 20                                  | 12                             | 98                                     | 15    | 94,130                                   | 380                          | 530    | 890   | 9           | 5                 | 16      | 346                     | 1,380  |
| 17     | 74,900                         | 149                   | 30     | 179   | 6                               | 20                                  | 12                             | 135                                    | 16    | 93,610                                   | 360                          | 530    | 890   | 9           | 5                 | 17      | 346                     | 1,380  |
| 18     |                                | 200                   | 35     | 235   | 8                               | 20                                  | 12                             | 184                                    | 17    | 93,180                                   | 342                          | 530    | 872   | 9           | 5                 | 18      | 328                     | 1,380  |
| 19     |                                | 200                   | 35     | 235   | 8                               | 20                                  | 12                             | 184                                    | 18    | 92,710                                   | 312                          | 530    | 842   | 8           | 5                 | 19      | 299                     | 1,380  |
| 20     |                                | 202                   | 35     | 237   | 8                               | 15                                  | 12                             | 186                                    | 19    | 92,450                                   | 306                          | 530    | 836   | 8           | 5                 | 20      | 293                     | 1,380  |
| 21     |                                | 200                   | 35     | 235   | 8                               | 15                                  | 12                             | 186                                    | 20    | 91,940                                   | 312                          | 530    | 842   | 8           | 5                 | 21      | 299                     | 1,380  |
| 22     |                                | 197                   | 35     | 232   | 8                               | 15                                  | 12                             | 184                                    | 21    | 91,620                                   | 402                          | 530    | 932   | 10          | 5                 | 22      | 387                     | 1,380  |
| 23     | 72,700                         | 195                   | 35     | 230   | 8                               | 15                                  | 12                             | 184                                    | 22    | 91,180                                   | 456                          | 530    | 986   | 11          | 5                 | 23      | 440                     | 1,380  |
| 24     |                                | 195                   | 35     | 230   | 8                               | 15                                  | 12                             | 184                                    | 23    | 90,660                                   | 462                          | 530    | 992   | 12          | 5                 | 24      | 445                     | 1,380  |
| 25     |                                | 186                   | 35     | 221   | 7                               | 15                                  | 12                             | 176                                    | 24    | 90,100                                   | 462                          | 530    | 992   | 12          | 5                 | 25      | 445                     | 1,380  |
| 26     |                                | 180                   | 35     | 215   | 7                               | 15                                  | 12                             | 170                                    | 25    | 89,530                                   | 468                          | 530    | 998   | 12          | 5                 | 26      | 451                     | 1,380  |
| 27     |                                | 180                   | 35     | 215   | 7                               | 15                                  | 12                             | 170                                    | 26    | 88,960                                   | 510                          | 530    | 1,040 | 13          | 5                 | 27      | 492                     | 1,380  |
| 28     |                                | 178                   | 35     | 213   | 7                               | 15                                  | 12                             | 168                                    | 27    | 88,280                                   | 550                          | 530    | 1,080 | 14          | 5                 | 28      | 531                     | 1,380  |
| 29     |                                | 176                   | 35     | 210   | 7                               | 15                                  | 12                             | 166                                    | 28    | 87,600                                   | 550                          | 530    | 1,080 | 14          | 5                 | 29      | 531                     | 1,380  |
| 30     |                                | 173                   | 35     | 208   | 7                               | 10                                  | 12                             | 163                                    | 29    | 87,160                                   | 550                          | 530    | 1,080 | 14          | 5                 | 30      | 531                     | 1,380  |
| 31     |                                | 171                   | 35     | 206   | 7                               | 10                                  | 12                             | 166                                    | 30    | 86,480                                   | 550                          | 530    | 1,080 | 14          | 5                 | 31      | 531                     | 1,380  |
| SEPT 1 |                                | 171                   | 35     | 206   | 7                               | 10                                  | 12                             | 166                                    | 31    | 85,750                                   | 402                          | 530    | 932   | 10          | 5                 | SEPT 1  | 387                     | 1,380  |
| 2      | 69,300                         | 171                   | 35     | 206   | 7                               | 10                                  | 12                             | 166                                    | AUG 1 | 85,560                                   | 215                          | 530    | 745   | 5           | 5                 | 2       | 205                     | 1,380  |
| 3      |                                | 171                   | 35     | 206   | 7                               | 10                                  | 12                             | 166                                    | 2     | 85,500                                   | 215                          | 530    | 745   | 5           | 5                 | 3       | 205                     | 1,380  |
|        |                                |                       |        |       |                                 |                                     |                                |                                        | 3     | 85,500                                   | 215                          | 530    | 745   | 5           | 5                 | 4       | 205                     | 1,380  |
|        |                                |                       |        |       |                                 |                                     |                                |                                        | 4     | 85,500                                   | 210                          | 530    | 740   | 5           | 5                 | 5       | 200                     | 1,380  |



# HENRY'S FORK - DAILY SEGREGATION OF FLOW

24 HOUR SECOND-FOOT EXCEPT AS NOTED

| FORK<br>SHTON | L | TOTAL | GRASSY<br>LAKE<br>STORAGE<br>RELEASE<br>(1) | STORED<br>DIVERSIONS<br>ASHTON TO<br>ST. ANTHONY | HENRY'S FORK<br>AT ST. ANTHONY |        |       | STORED DIVERSIONS<br>ST. ANTHONY TO REXBURG |                | DATE    | HENRY'S FORK<br>NEAR REXBURG |        |       |
|---------------|---|-------|---------------------------------------------|--------------------------------------------------|--------------------------------|--------|-------|---------------------------------------------|----------------|---------|------------------------------|--------|-------|
|               |   |       |                                             |                                                  | STORED                         | NORMAL | TOTAL | HENRY'S<br>FORK                             | TETON<br>RIVER |         | STORED                       | NORMAL | TOTAL |
| 30            |   | 1,850 |                                             |                                                  |                                |        |       |                                             |                |         |                              |        |       |
| 32            |   | 1,920 |                                             |                                                  | 400                            | 650    | 1,050 |                                             |                |         |                              |        |       |
| 38            |   | 2,320 | 0                                           | 46                                               | 432                            | 470    | 902   |                                             |                |         |                              |        |       |
| 47            |   | 2,300 | 40                                          | 300                                              | 392                            | 678    | 1,070 | 69                                          | 21             | JULY 21 | 400                          | 680    | 1,080 |
| 49            |   | 2,420 | 60                                          | 446                                              | 447                            | 613    | 1,060 | 58                                          | 106            | 22      | 427                          | 445    | 872   |
| 50            |   | 2,420 | 60                                          | 460                                              | 521                            | 599    | 1,120 | 53                                          | 122            | 23      | 302                          | 600    | 902   |
| 50            |   | 2,450 | 60                                          | 554                                              | 486                            | 684    | 1,170 |                                             |                | 24      | 283                          | 621    | 904   |
| 50            |   | 2,420 | 60                                          | 564                                              | 466                            | 654    | 1,120 | 1                                           | 138            | 25      | 346                          | 652    | 998   |
| 50            |   | 2,400 | 80                                          | 516                                              | 504                            | 636    | 1,140 | 1                                           | 104            | 26      | 347                          | 627    | 974   |
| 50            |   | 2,450 | 100                                         | 548                                              | 492                            | 688    | 1,180 | 0                                           | 154            | 27      | 361                          | 649    | 1,010 |
| 50            |   | 2,400 | 100                                         | 531                                              | 539                            | 681    | 1,220 |                                             | 149            | 28      | 349                          | 637    | 986   |
| 50            |   | 2,400 | 100                                         | 517                                              | 553                            | 647    | 1,200 |                                             | 311            | 29      | 343                          | 677    | 1,020 |
| 50            |   | 2,320 | 100                                         | 611                                              | 400                            | 820    | 1,220 |                                             | 278            | 30      | 228                          | 942    | 1,170 |
| 57            |   | 2,230 | 100                                         | 416                                              | 547                            | 713    | 1,260 | 0                                           | 225            | 31      | 275                          | 965    | 1,240 |
| 57            |   | 2,200 | 100                                         | 457                                              | 506                            | 764    | 1,270 | 1                                           | 223            | AUG. 1  | 175                          | 1,055  | 1,230 |
| 57            |   | 2,200 | 100                                         | 472                                              | 491                            | 719    | 1,210 | 1                                           | 280            | 2       | 324                          | 886    | 1,210 |
| 57            |   | 2,160 | 100                                         | 494                                              | 449                            | 821    | 1,070 | 1                                           | 261            | 3       | 225                          | 935    | 1,160 |
| 53            |   | 1,990 | 100                                         | 782                                              | 5                              | 897    | 902   | 1                                           | 256            | 4       | 229                          | 801    | 1,030 |
| 71            |   | 1,970 | 95                                          | 782                                              | -88                            | 918    | 830   | 255                                         | 233            | 5       | 192                          | 692    | 884   |
| 45            |   | 2,300 | 95                                          | 799                                              | 51                             | 911    | 962   | 342                                         | 222            | 6       | -229                         | 975    | 746   |
| 55            |   | 2,200 | 95                                          | 793                                              | 97                             | 933    | 1,030 | 350                                         | 250            | 7       | -565                         | 1,235  | 670   |
| 55            |   | 2,200 | 90                                          | 766                                              | 99                             | 921    | 1,020 | 356                                         | 264            | 8       | -541                         | 1,353  | 812   |
| 55            |   | 2,180 | 90                                          | 742                                              | 113                            | 917    | 1,030 | 329                                         | 196            | 9       | -517                         | 1,537  | 1,020 |
| 53            |   | 2,080 | 90                                          | 721                                              | 76                             | 944    | 1,020 | 285                                         | 193            | 10      | -453                         | 1,603  | 1,150 |
| 53            |   | 2,110 | 90                                          | 691                                              | 76                             | 1,034  | 1,110 | 273                                         | 167            | 11      | -409                         | 1,509  | 1,100 |
| 71            |   | 1,970 | 70                                          | 677                                              | -8                             | 1,078  | 1,070 | 297                                         | 157            | 12      | -376                         | 1,436  | 1,060 |
| 97            |   | 1,770 | 60                                          | 645                                              | -112                           | 1,014  | 902   | 251                                         | 158            | 13      | -354                         | 1,564  | 1,210 |
| 51            |   | 1,720 | 60                                          | 641                                              | -212                           | 1,102  | 890   | 236                                         | 136            | 14      | -463                         | 1,663  | 1,200 |
| 54            |   | 1,700 | 60                                          | 590                                              | -184                           | 1,086  | 902   | 238                                         | 109            | 15      | -499                         | 1,599  | 1,100 |
| 54            |   | 1,700 | 60                                          | 606                                              | -200                           | 1,126  | 926   | 238                                         | 99             | 16      | -557                         | 1,597  | 1,040 |
| 92            |   | 1,720 | 60                                          | 574                                              | -186                           | 1,100  | 914   | 268                                         | 112            | 17      | -521                         | 1,541  | 1,020 |
| 51            |   | 1,660 | 55                                          | 574                                              | -220                           | 1,100  | 880   | 248                                         | 121            | 18      | -550                         | 1,524  | 974   |
| 57            |   | 1,660 | 50                                          | 560                                              | -217                           | 1,143  | 926   | 237                                         | 119            | 19      | -575                         | 1,531  | 956   |
| 51            |   | 1,660 | 50                                          | 584                                              | -235                           | 1,173  | 938   | 241                                         | 133            | 20      | -587                         | 1,579  | 992   |
| 53            |   | 1,770 | 50                                          | 599                                              | -162                           | 1,160  | 998   | 237                                         | 134            | 21      | -587                         | 1,607  | 1,020 |
| 50            |   | 1,830 | 20                                          | 580                                              | -120                           | 1,180  | 1,060 | 244                                         | 123            | 22      | -610                         | 1,640  | 1,030 |
| 55            |   | 1,810 | 0                                           | 577                                              | -132                           | 1,162  | 1,030 | 240                                         | 118            | 23      | -522                         | 1,622  | 1,100 |
| 55            |   | 1,810 |                                             | 556                                              | -111                           | 1,141  | 1,030 | 240                                         | 126            | 24      | -482                         | 1,612  | 1,130 |
| 79            |   | 1,830 |                                             | 533                                              | -82                            | 1,132  | 1,050 | 240                                         | 119            | 25      | -498                         | 1,588  | 1,090 |
| 28            |   | 1,920 |                                             | 502                                              | -10                            | 1,140  | 1,130 | 224                                         | 107            | 26      | -470                         | 1,590  | 1,120 |
| 79            |   | 2,010 |                                             | 451                                              | 80                             | 1,140  | 1,220 | 224                                         | 95             | 27      | -429                         | 1,569  | 1,140 |
| 79            |   | 2,110 |                                             | 458                                              | 73                             | 1,387  | 1,460 | 196                                         | 82             | 28      | -329                         | 1,619  | 1,290 |
| 29            |   | 2,060 |                                             | 422                                              | 109                            | 1,351  | 1,460 | 193                                         | 93             | 29      | -226                         | 1,786  | 1,560 |
| 79            |   | 2,010 |                                             | 233                                              | 298                            | 1,142  | 1,440 | 0                                           | 65             | 30      | -216                         | 2,036  | 1,820 |
| 53            |   | 1,640 |                                             | 222                                              | 165                            | 1,065  | 1,230 |                                             | 51             | 31      | -149                         | 2,029  | 1,880 |
| 5             |   | 1,620 |                                             | 210                                              | -5                             | 1,165  | 1,160 |                                             | 57             | SEPT 1  | 247                          | 1,603  | 1,850 |
| 55            |   | 1,560 |                                             | 211                                              | -8                             | 1,176  | 1,170 | 0                                           | 50             | 2       | 108                          | 1,522  | 1,630 |
| 55            |   | 1,560 |                                             | 322                                              | -117                           | 1,277  | 1,160 | 162                                         | 40             | 3       | -55                          | 1,635  | 1,580 |
| 50            |   | 1,560 |                                             | 345                                              | -145                           | 1,285  | 1,140 | 189                                         | 44             | 4       | -46                          | 1,586  | 1,540 |
|               |   |       |                                             |                                                  |                                |        |       |                                             | 44             | 5       | -323                         | 1,803  | 1,480 |
|               |   |       |                                             |                                                  |                                |        |       |                                             |                | 6       | -378                         | 1,748  | 1,370 |

| DATE   | HENRY'S<br>LAKE<br>CONTENTS<br>ACRE-FOOT | HENRY'S FORK<br>NEAR LAKE |        |       |
|--------|------------------------------------------|---------------------------|--------|-------|
|        |                                          | STORED                    | NORMAL | TOTAL |
| SEPT 4 |                                          | 171                       | 35     | 206   |
| 5      |                                          | 171                       | 35     | 206   |
| 6      |                                          | 169                       | 35     | 204   |
| 7      |                                          | 167                       | 35     | 202   |
| 8      |                                          | 164                       | 35     | 199   |
| 9      |                                          | 164                       | 35     | 199   |
| 10     |                                          | 162                       | 35     | 197   |
| 11     |                                          | 160                       | 35     | 195   |
| 12     |                                          | 160                       | 35     | 195   |
| 13     |                                          | 158                       | 35     | 193   |
| 14     | 65,000                                   | 158                       | 35     | 193   |
| 15     |                                          | 158                       | 35     | 193   |
| 16     |                                          | 158                       | 35     | 193   |
| 17     | 64,100                                   | 121                       | 30     | 151   |
| 18     |                                          | 35                        | 30     | 65    |
| 19     |                                          | 35                        | 30     | 65    |
| 20     |                                          | 35                        | 30     | 65    |
| 21     |                                          | 40                        | 25     | 65    |
| 22     |                                          | 40                        | 25     | 65    |
| 23     |                                          | 40                        | 25     | 65    |
| 24     |                                          | 40                        | 25     | 65    |
| 25     |                                          | 40                        | 25     | 65    |
| 26     |                                          | 40                        | 25     | 65    |
| 27     |                                          | 39                        | 25     | 64    |
| 28     |                                          | 39                        | 25     | 64    |
| 29     |                                          | 39                        | 25     | 64    |
| 30     | 62,800                                   | 39                        | 25     | 64    |
| TOTAL  |                                          | 8,793                     |        |       |



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| FORK<br>ASHTON | TOTAL | GRASSY<br>LAKE<br>STORAGE<br>RELEASE | STORED<br>LOSS<br>LAKE TO<br>ISLAND PARK | STORED<br>DIVERSIONS<br>ABOVE<br>ISLAND PARK | FM DIST.<br>SHERIDAN<br>CREEK<br>RIGHT | STORED<br>INFLOW TO<br>ISLAND PARK<br>RESERVOIR | DATE   | ISLAND PARK<br>RESERVOIR<br>CONTENTS<br>ACRE-Feet | HENRYS FORK<br>NEAR ISLAND PARK |        |       | ISLAND PARK<br>TO ASHTON | DATE | HENRYS FORK<br>NEAR ASHTON |        |       | GRASSY<br>LAKE<br>STORAGE<br>RELEASE | STORED<br>DIVERSIONS<br>ASHTON TO<br>ST ANTHONY | HENRY<br>AT ST. ANTHONY |        |
|----------------|-------|--------------------------------------|------------------------------------------|----------------------------------------------|----------------------------------------|-------------------------------------------------|--------|---------------------------------------------------|---------------------------------|--------|-------|--------------------------|------|----------------------------|--------|-------|--------------------------------------|-------------------------------------------------|-------------------------|--------|
|                |       |                                      |                                          |                                              |                                        |                                                 |        |                                                   | STORED                          | NORMAL | TOTAL |                          |      | STORED                     | NORMAL | TOTAL |                                      |                                                 | STORED                  | NORMAL |
| 10             | 1,850 |                                      | 7                                        | 10                                           | 12                                     | 166                                             | SEPT 5 | 85,500                                            | 210                             | 530    |       |                          |      |                            |        |       |                                      |                                                 |                         |        |
| 12             | 1,920 |                                      | 7                                        | 10                                           | 12                                     | 166                                             | 6      | 85,500                                            | 204                             | 530    | 740   | 5                        | 5    | SEPT 6                     | 200    | 1,340 | 1,540                                | 340                                             | -140                    |        |
| 18             | 2,320 | 0                                    | 7                                        | 10                                           | 12                                     | 164                                             | 7      | 85,260                                            | 220                             | 520    | 734   | 5                        | 5    | 7                          | 194    | 1,346 | 1,540                                | 335                                             | -141                    |        |
| 17             | 2,300 | 40                                   | 7                                        | 10                                           | 12                                     | 162                                             | 8      | 85,020                                            | 220                             | 520    | 740   | 6                        | 5    | 8                          | 209    | 1,291 | 1,500                                | 341                                             | -132                    |        |
| 19             | 2,420 | 60                                   | 7                                        | 10                                           | 12                                     | 159                                             | 9      | 84,900                                            | 208                             | 520    | 740   | 6                        | 5    | 9                          | 209    | 1,311 | 1,520                                | 342                                             | -133                    |        |
| 10             | 2,420 | 60                                   | 7                                        | 10                                           | 12                                     | 159                                             | 10     | 84,720                                            | 214                             | 520    | 728   | 5                        | 5    | 10                         | 198    | 1,342 | 1,540                                | 481                                             | -283                    |        |
| 10             | 2,450 | 60                                   | 6                                        | 10                                           | 12                                     | 158                                             | 11     | 84,540                                            | 242                             | 520    | 734   | 5                        | 5    | 11                         | 204    | 1,276 | 1,480                                | 504                                             | -300                    |        |
| 10             | 2,420 | 60                                   | 6                                        | 10                                           | 12                                     | 156                                             | 12     | 84,300                                            | 406                             | 520    | 762   | 6                        | 4    | 12                         | 232    | 1,408 | 1,640                                | 498                                             | -268                    |        |
| 10             | 2,400 | 80                                   | 6                                        | 10                                           | 12                                     | 156                                             | 13     | 83,950                                            | 406                             | 520    | 926   | 10                       | 4    | 13                         | 392    | 1,378 | 1,770                                | 507                                             | -115                    |        |
| 10             | 2,450 | 100                                  | 6                                        | 10                                           | 12                                     | 154                                             | 14     | 83,450                                            | 448                             | 520    | 926   | 10                       | 4    | 14                         | 392    | 1,358 | 1,750                                | 476                                             | -84                     |        |
| 10             | 2,400 | 100                                  | 6                                        | 10                                           | 12                                     | 154                                             | 15     | 82,680                                            | 590                             | 520    | 968   | 11                       | 4    | 15                         | 433    | 1,577 | 2,010                                | 475                                             | -42                     |        |
| 10             | 2,320 | 100                                  | 6                                        | 10                                           | 12                                     | 154                                             | 16     | 81,840                                            | 590                             | 520    | 1,110 | 15                       | 4    | 16                         | 571    | 1,369 | 1,940                                | 448                                             | 123                     |        |
| 17             | 2,230 | 100                                  | 6                                        | 5                                            | 12                                     | 159                                             | 17     | 80,900                                            | 590                             | 520    | 1,110 | 15                       | 4    | 17                         | 571    | 1,399 | 1,970                                | 444                                             | 127                     |        |
| 17             | 2,200 | 100                                  | 5                                        | 5                                            | 12                                     | 123                                             | 18     | 79,900                                            | 580                             | 520    | 1,110 | 15                       | 4    | 18                         | 571    | 1,369 | 1,940                                | 613                                             | -42                     |        |
| 17             | 2,200 | 100                                  | 1                                        | 5                                            | 12                                     | 41                                              | 19     | 78,860                                            | 580                             | 520    | 1,100 | 14                       | 4    | 19                         | 582    | 1,358 | 1,920                                | 576                                             | -14                     |        |
| 17             | 2,160 | 100                                  | 1                                        | 5                                            | 12                                     | 41                                              | 20     | 77,770                                            | 580                             | 520    | 1,100 | 14                       | 4    | 20                         | 582    | 1,338 | 1,900                                | 575                                             | -13                     |        |
| 13             | 1,990 | 100                                  | 1                                        | 5                                            | 12                                     | 41                                              | 21     | 76,750                                            | 580                             | 520    | 1,100 | 14                       | 4    | 21                         | 562    | 1,408 | 1,970                                | 541                                             | 221                     |        |
| 11             | 1,970 | 90                                   | 2                                        | 5                                            | 12                                     | 45                                              | 22     | 75,800                                            | 570                             | 520    | 1,090 | 14                       | 3    | 22                         | 563    | 1,337 | 1,900                                | 353                                             | 210                     |        |
| 15             | 2,300 | 90                                   | 2                                        | 5                                            | 12                                     | 45                                              | 23     | 74,680                                            | 570                             | 520    | 1,090 | 14                       | 3    | 23                         | 553    | 1,347 | 1,900                                | 329                                             | 224                     |        |
| 15             | 2,200 | 90                                   | 2                                        | 5                                            | 12                                     | 45                                              | 24     | 73,640                                            | 570                             | 520    | 1,090 | 14                       | 3    | 24                         | 553    | 1,347 | 1,900                                | 333                                             | 220                     |        |
| 15             | 2,200 | 90                                   | 2                                        | 5                                            | 12                                     | 45                                              | 25     | 72,560                                            | 570                             | 520    | 1,090 | 14                       | 3    | 25                         | 553    | 1,257 | 1,810                                | 313                                             | 240                     |        |
| 15             | 2,180 | 90                                   | 2                                        | 5                                            | 12                                     | 45                                              | 26     | 71,440                                            | 560                             | 520    | 1,080 | 14                       | 3    | 26                         | 553    | 1,277 | 1,830                                | 314                                             | 239                     |        |
| 13             | 2,080 | 90                                   | 2                                        | 5                                            | 12                                     | 45                                              | 27     | 70,430                                            | 560                             | 520    | 1,080 | 14                       | 3    | 27                         | 543    | 1,227 | 1,770                                | 311                                             | 232                     |        |
| 13             | 2,110 | 90                                   | 2                                        | 5                                            | 12                                     | 44                                              | 28     | 69,440                                            | 388                             | 520    | 908   | 10                       | 3    | 28                         | 543    | 1,267 | 1,810                                | 285                                             | 258                     |        |
| 11             | 1,970 | 70                                   | 2                                        | 5                                            | 12                                     | 44                                              | 29     | 68,980                                            | 236                             | 520    | 756   | 6                        | 3    | 29                         | 375    | 1,045 | 1,420                                | 286                                             | 89                      |        |
| 17             | 1,770 | 60                                   | 2                                        | 5                                            | 12                                     | 44                                              | 30     | 68,660                                            | 210                             | 518    | 728   | 5                        | 3    | 30                         | 227    | 1,043 | 1,270                                | 286                                             | -59                     |        |
| 11             | 1,720 | 60                                   | 2                                        | 5                                            | 12                                     | 44                                              | OCT 1  | 68,410                                            |                                 |        |       |                          |      | OCT 1                      | 202    |       |                                      |                                                 | 202                     |        |
| 14             | 1,700 | 60                                   |                                          |                                              |                                        |                                                 |        |                                                   |                                 |        |       |                          |      |                            |        |       |                                      |                                                 |                         |        |
| 14             | 1,700 | 60                                   |                                          |                                              |                                        |                                                 |        |                                                   |                                 |        |       |                          |      |                            |        |       |                                      |                                                 |                         |        |
| 12             | 1,720 | 60                                   | 350                                      | 920                                          | 864                                    | 8,387                                           |        |                                                   | 40,665                          |        |       | 1,018                    | 325  |                            | 39,322 |       | 2,400                                | 34,786                                          | 6,936                   |        |
| 11             | 1,660 | 50                                   |                                          |                                              |                                        |                                                 |        |                                                   |                                 |        |       |                          |      |                            |        |       |                                      |                                                 |                         |        |
| 17             | 1,660 | 50                                   |                                          |                                              |                                        |                                                 |        |                                                   |                                 |        |       |                          |      |                            |        |       |                                      |                                                 |                         |        |
| 11             | 1,660 | 50                                   |                                          |                                              |                                        |                                                 |        |                                                   |                                 |        |       |                          |      |                            |        |       |                                      |                                                 |                         |        |
| 13             | 1,770 | 50                                   |                                          |                                              |                                        |                                                 |        |                                                   |                                 |        |       |                          |      |                            |        |       |                                      |                                                 |                         |        |
| 10             | 1,830 | 20                                   |                                          |                                              |                                        |                                                 |        |                                                   |                                 |        |       |                          |      |                            |        |       |                                      |                                                 |                         |        |
| 18             | 1,810 | 0                                    |                                          |                                              |                                        |                                                 |        |                                                   |                                 |        |       |                          |      |                            |        |       |                                      |                                                 |                         |        |
| 18             | 1,810 |                                      |                                          |                                              |                                        |                                                 |        |                                                   |                                 |        |       |                          |      |                            |        |       |                                      |                                                 |                         |        |
| 19             | 1,830 |                                      |                                          |                                              |                                        |                                                 |        |                                                   |                                 |        |       |                          |      |                            |        |       |                                      |                                                 |                         |        |
| 18             | 1,920 |                                      |                                          |                                              |                                        |                                                 |        |                                                   |                                 |        |       |                          |      |                            |        |       |                                      |                                                 |                         |        |
| 19             | 2,010 |                                      |                                          |                                              |                                        |                                                 |        |                                                   |                                 |        |       |                          |      |                            |        |       |                                      |                                                 |                         |        |
| 19             | 2,110 |                                      |                                          |                                              |                                        |                                                 |        |                                                   |                                 |        |       |                          |      |                            |        |       |                                      |                                                 |                         |        |
| 19             | 2,060 |                                      |                                          |                                              |                                        |                                                 |        |                                                   |                                 |        |       |                          |      |                            |        |       |                                      |                                                 |                         |        |
| 19             | 2,010 |                                      |                                          |                                              |                                        |                                                 |        |                                                   |                                 |        |       |                          |      |                            |        |       |                                      |                                                 |                         |        |
| 12             | 1,640 |                                      |                                          |                                              |                                        |                                                 |        |                                                   |                                 |        |       |                          |      |                            |        |       |                                      |                                                 |                         |        |
| 15             | 1,620 |                                      |                                          |                                              |                                        |                                                 |        |                                                   |                                 |        |       |                          |      |                            |        |       |                                      |                                                 |                         |        |
| 15             | 1,560 |                                      |                                          |                                              |                                        |                                                 |        |                                                   |                                 |        |       |                          |      |                            |        |       |                                      |                                                 |                         |        |
| 15             | 1,560 |                                      |                                          |                                              |                                        |                                                 |        |                                                   |                                 |        |       |                          |      |                            |        |       |                                      |                                                 |                         |        |
| 10             | 1,560 |                                      |                                          |                                              |                                        |                                                 |        |                                                   |                                 |        |       |                          |      |                            |        |       |                                      |                                                 |                         |        |

LISTED HERE ONE DAY LATER



# PLATE NO. 21

| FORK<br>SHTON | L   | S FORK<br>ANTHONY |       | STORED DIVERSIONS<br>ST. ANTHONY TO REXBURG |                | DATE   | HENRYS FORK<br>NEAR REXBURG |        |       |
|---------------|-----|-------------------|-------|---------------------------------------------|----------------|--------|-----------------------------|--------|-------|
|               |     | NORMAL            | TOTAL | HENRYS<br>FORK                              | TETON<br>RIVER |        | STORED                      | NORMAL | TOTAL |
| 30            | 1,8 | 1,260             | 1,120 | 189                                         | 49             | SEPT 7 | -378                        | 1,638  | 1,260 |
| 32            | 1,9 | 1,231             | 1,090 | 187                                         | 79             | 8      | -407                        | 1,577  | 1,170 |
| 38            | 2,3 | 1,162             | 1,030 | 208                                         | 90             | 9      | -430                        | 1,540  | 1,110 |
| 37            | 2,3 | 1,095             | 962   | 204                                         | 99             | 10     | -436                        | 1,466  | 1,030 |
| 39            | 2,4 | 1,233             | 950   | 281                                         | 100            | 11     | -664                        | 1,662  | 998   |
| 40            | 2,4 | 1,202             | 902   | 275                                         | 89             | 12     | -664                        | 1,620  | 956   |
| 40            | 2,4 | 1,228             | 962   | 288                                         | 101            | 13     | -655                        | 1,715  | 1,060 |
| 40            | 2,4 | 1,195             | 1,080 | 301                                         | 88             | 14     | -504                        | 1,534  | 1,030 |
| 40            | 2,4 | 1,034             | 950   | 293                                         | 157            | 15     | -534                        | 1,520  | 986   |
| 40            | 2,4 | 1,122             | 1,080 | 277                                         | 183            | 16     | -502                        | 1,632  | 1,130 |
| 40            | 2,4 | 1,017             | 1,140 | 351                                         | 166            | 17     | -394                        | 1,514  | 1,120 |
| 49            | 2,3 | 1,013             | 1,140 | 345                                         | 174            | 18     | -392                        | 1,522  | 1,130 |
| 57            | 2,2 | 1,172             | 1,130 | 343                                         | 175            | 19     | -560                        | 1,780  | 1,220 |
| 57            | 2,2 | 1,194             | 1,180 | 276                                         | 111            | 20     | -401                        | 1,721  | 1,320 |
| 57            | 2,2 | 1,223             | 1,210 | 277                                         | 135            | 21     | -425                        | 1,835  | 1,410 |
| 57            | 2,1 | 1,049             | 1,270 | 191                                         | 125            | 22     | -95                         | 1,585  | 1,490 |
| 53            | 1,9 | 1,120             | 1,330 | 169                                         | 129            | 23     | -88                         | 1,598  | 1,510 |
| 51            | 1,9 | 1,116             | 1,340 | 169                                         | 128            | 24     | -73                         | 1,653  | 1,580 |
| 55            | 2,3 | 1,180             | 1,400 | 169                                         | 99             | 25     | -48                         | 1,678  | 1,630 |
| 55            | 2,2 | 1,100             | 1,340 | 169                                         | 110            | 26     | -39                         | 1,669  | 1,630 |
| 55            | 2,2 | 1,131             | 1,370 | 148                                         | 115            | 27     | -24                         | 1,714  | 1,690 |
| 55            | 2,1 | 1,138             | 1,370 | 148                                         | 79             | 28     | 5                           | 1,715  | 1,720 |
| 53            | 2,0 | 1,172             | 1,430 | 148                                         | 78             | 29     | 32                          | 1,728  | 1,760 |
| 53            | 2,1 | 1,251             | 1,340 | 145                                         | 49             | 30     | -105                        | 1,685  | 1,580 |
| 51            | 1,9 | 1,279             | 1,220 | 145                                         | 49             | OCT. 1 | -253                        |        |       |
| 57            | 1,7 |                   |       |                                             |                | 2      | 202                         |        |       |
| 51            | 1,7 |                   |       |                                             |                |        |                             |        |       |
| 54            | 1,7 |                   |       |                                             |                |        |                             |        |       |
| 54            | 1,7 |                   |       |                                             |                |        |                             |        |       |
| 52            | 1,7 |                   |       |                                             |                |        |                             |        |       |
| 51            | 1,6 |                   |       |                                             |                |        |                             |        |       |
| 57            | 1,6 |                   |       |                                             |                |        |                             |        |       |
| 51            | 1,6 |                   |       |                                             |                |        |                             |        |       |
| 53            | 1,7 |                   |       |                                             |                |        |                             |        |       |
| 50            | 1,8 |                   |       |                                             |                |        |                             |        |       |
| 55            | 1,8 |                   |       |                                             |                |        |                             |        |       |
| 55            | 1,8 |                   |       |                                             |                |        |                             |        |       |
| 59            | 1,9 |                   |       |                                             |                |        |                             |        |       |
| 59            | 2,0 |                   |       |                                             |                |        |                             |        |       |
| 59            | 2,1 |                   |       |                                             |                |        |                             |        |       |
| 59            | 2,0 |                   |       |                                             |                |        |                             |        |       |
| 59            | 2,0 |                   |       |                                             |                |        |                             |        |       |
| 53            | 1,6 |                   |       |                                             |                |        |                             |        |       |
| 55            | 1,6 |                   |       |                                             |                |        |                             |        |       |
| 55            | 1,5 |                   |       |                                             |                |        |                             |        |       |
| 55            | 1,5 |                   |       |                                             |                |        |                             |        |       |
| 50            | 1,5 |                   |       |                                             |                |        |                             |        |       |

THAN AT DAM

-15,187

12,716 9,407



# STORAGE DIVERSIONS ON HENRYS FOR

| NAME OF CANAL         |  | NO. | JULY |     |     |     |     |     |     |     |     |     |     | AUGUST |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|-----------------------|--|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
|                       |  |     | 21   | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  | 1      | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  |    |
| ISLAND PARK DAM       |  | 1   |      | 5   | 5   | 10  | 10  | 15  | 15  | 15  | 15  | 20  | 20  | 20     | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20  | 20 |
| ISLAND PARK TO ASHTON |  | 2   |      | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5      | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   |    |
| ASHTON TO ST. ANTHONY |  | 3   |      | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2      | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |    |
| FALL RIVER            |  | 4   |      | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4      | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   |    |
| CREEK CANAL           |  | 5   |      | 0   | 20  | 22  | 25  | 26  | 26  | 26  | 27  | 27  | 27  | 23     | 23  | 18  | 18  | 13  | 13  | 12  | 12  | 12  | 12  | 14  | 14  | 14  | 12  | 12  | 14  | 14  | 13  | 14  | 10  | 10  | 9   | 9   |    |
| CREEK CANAL           |  | 6   |      |     |     |     |     | 7   | 6   | 6   | 5   | 5   | 5   | 5      | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   |    |
| CREEK CANAL           |  | 7   |      |     |     | 14  | 13  | 13  | 13  | 14  | 14  | 14  | 14  | 10     | 12  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  | 11  |    |
| STONE                 |  | 8   |      |     |     |     |     |     |     |     |     |     |     |        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| STONE                 |  | 9   |      |     |     |     |     |     |     |     |     |     |     |        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| OWN                   |  | 10  |      | 20  | 20  | 20  | 19  | 17  | 17  | 17  | 17  | 18  | 52  | 49     | 39  | 36  | 39  | 87  | 87  | 87  | 88  | 85  | 88  | 87  | 87  | 87  | 87  | 87  | 87  | 87  | 87  | 87  | 87  | 87  | 87  | 87  |    |
| OWN                   |  | 11  |      |     |     |     |     |     |     |     |     |     |     |        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| OWN                   |  | 12  |      | 11  | 166 | 174 | 172 | 167 | 167 | 166 | 175 | 180 | 178 | 171    | 76  | 168 | 167 | 166 | 173 | 172 | 169 | 170 | 169 | 168 | 165 | 164 | 162 | 161 | 162 | 109 | 154 | 154 | 154 | 143 | 143 | 143 |    |
| OWN                   |  | 13  |      | 2   | 2   | 1   | 1   | 2   | 2   | 3   | 4   | 3   | 3   | 5      | 4   | 4   | 4   | 4   | 4   | 3   | 3   | 4   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   |     |    |
| CANAL                 |  | 14  |      | 68  | 77  | 66  | 72  | 79  | 41  | 68  | 47  | 47  | 44  | 50     | 36  | 38  | 38  | 32  | 40  | 38  | 43  | 26  | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| OWN                   |  | 15  |      |     |     |     |     |     |     |     |     |     | 77  | 5      | 4   | 10  | 10  | 18  | 10  | 11  | 11  | 11  | 15  | 15  | 15  | 15  | 15  | 15  | 25  | 25  | 25  | 24  | 14  | 14  | 13  |     |    |
| OWN                   |  | 16  |      |     |     |     |     |     |     |     |     |     |     | 3      | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| OWN                   |  | 17  |      |     |     |     |     |     |     |     |     |     |     |        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| OWN                   |  | 18  |      |     |     |     | 27  | 26  | 26  | 26  | 26  | 29  | 29  | 29     | 23  | 22  | 22  | 23  | 21  | 24  | 22  | 21  | 21  | 20  | 19  | 18  | 16  | 16  | 16  | 16  | 16  | 16  | 16  | 16  | 16  |     |    |
| OWN                   |  | 19  | 35   | 0   |     | 0   | 97  | 97  | 97  | 97  | 97  | 97  | 97  | 92     | 92  | 92  | 92  | 92  | 87  | 91  | 91  | 91  | 91  | 91  | 88  | 88  | 74  | 74  | 68  | 59  | 40  | 43  | 43  | 49  | 49  |     |    |
| OWN                   |  | 20  |      |     |     |     |     |     |     |     |     |     |     |        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| OWN                   |  | 21  |      |     | 121 | 125 | 127 | 124 | 116 | 107 | 103 | 90  | 81  | 62     | 44  | 62  | 81  | 77  | 83  | 105 | 95  | 92  | 90  | 70  | 59  | 45  | 36  | 36  | 36  | 36  | 36  | 36  | 36  | 65  | 85  |     |    |
| OWN                   |  | 22  |      |     |     |     |     |     |     |     |     |     |     |        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| OWN                   |  | 23  |      | 38  | 26  | 34  | 0   |     |     |     |     |     |     |        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| OWN                   |  | 24  | 46   | 300 | 446 | 460 | 554 | 564 | 516 | 548 | 531 | 517 | 611 | 416    | 457 | 472 | 494 | 782 | 782 | 799 | 793 | 766 | 742 | 721 | 691 | 677 | 645 | 641 | 590 | 606 | 574 | 574 | 580 | 584 | 59  |     |    |
| OWN                   |  | 25  |      |     |     |     |     |     |     |     |     |     |     |        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| OWN                   |  | 26  |      |     |     |     |     |     |     |     |     |     |     |        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| OWN                   |  | 27  |      | 69  | 58  | 52  | 0   |     |     |     |     |     |     |        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| OWN                   |  | 28  |      |     |     |     |     |     |     |     |     |     |     |        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| OWN                   |  | 29  |      | 69  | 58  | 53  | 1   | 1   | 1   | 0   | 0   | 0   | 0   | 0      | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |     |    |

(4) 546 A.F. DRAFT FROM INDIAN LAKE AND BERGMAN RESERVOIRS  
100 A.F. TRANSFERRED FROM MARYSVILLE  
AMERICAN FALLS 10.108

- (1) FROM PALISADES WATER USERS
- (2) RENTED FROM FREMONT MADISON DISTRICT
- (3) INCLUDES 930 A.F. PUMPED FROM CONANT CREEK

- (4) 548 A.F. DRAFT FROM INDIAN LAKE AND BERGMAN RESERVOIRS  
100 A.F. TRANSFERRED FROM MARYSVILLE
- (5) JACKSON LAKE 5,883 A.F. AMERICAN FALLS 10,188
- (6) TRANSFER FROM CHESTER TO BELL



# ORK AND FALL RIVER

1964

NOTED

| 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | SEPTEMBER |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | NOV |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 15  | 15  | 15  | 15  | 15  | 15  | 15  | 15  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 14        | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | NOV |
| 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5         | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   |     |
| 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2         | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |     |
| 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4         | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   |     |
| 9   | 9   | 8   | 8   | 8   | 7   | 6   | 6   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |     |
| 5   | 5   | 5   | 5   | 5   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10        | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  |     |
| 12  | 14  | 16  | 16  | 18  | 18  | 11  | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 172 | 152 | 149 | 130 | 141 | 141 | 109 | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 56  | 55  | 48  | 48  | 48  | 52  | 52  | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 1   | 1   | 0   | 1   | 1   | 1   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 138 | 136 | 134 | 140 | 109 | 128 | 134 | 118 | 113 | 113 | 113 | 84  | 102 | 100 | 100 | 104 | 102 | 102 | 104 | 100 | 102 | 102       | 104 | 104 | 104 | 102 | 101 | 103 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 |     |
| 1   | 0   |     |     | 0   | 1   | 1   | 1   | 1   | 1   | 1   | 2   | 1   | 1   | 1   | 1   | 1   | 0   |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 12  | 12  | 13  | 12  | 13  | 13  | 13  | 13  | 13  | 5   | 5   | 4   | 3   | 12  | 12  | 11  | 11  | 11  | 11  | 11  | 11  | 11        | 11  | 11  | 11  | 11  | 11  | 11  | 2   | 2   | 1   | 1   | 1   | 1   | 1   | 0   |     |     |     |
| 16  | 16  | 16  | 16  | 17  | 17  | 18  | 18  | 17  | 14  | 14  | 14  | 14  | 14  | 14  | 14  | 14  | 14  | 14  | 16  | 16  | 16        | 17  | 17  | 17  | 17  | 17  | 14  | 14  | 15  | 15  | 15  | 16  | 15  | 15  | 15  | 16  | 16  |     |
| 47  | 46  | 45  | 44  | 44  | 44  | 44  | 44  | 45  | 46  | 47  | 49  | 51  | 50  | 50  | 50  | 50  | 49  | 49  | 49  | 49  | 49        | 49  | 49  | 49  | 49  | 49  | 49  | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 35  |     |
| 92  | 80  | 65  | 35  | 20  | 16  | 16  | 16  | 17  | 15  | 15  | 16  | 3   | 3   | 1   | 1   | 1   | 67  | 92  | 105 | 110 | 86        | 83  | 86  | 84  | 84  | 83  | 83  | 83  | 84  | 38  | 42  | 23  | 24  | 24  | 22  | 22  | 22  |     |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 0   | 73  | 79  | 79  | 79        | 73  | 73  | 73  | 72  | 74  | 66  | 66  | 0   |     |     |     |     |     |     |     |     |     |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 556 | 533 | 502 | 451 | 458 | 422 | 233 | 222 | 210 | 211 | 322 | 345 | 340 | 335 | 341 | 342 | 481 | 504 | 498 | 507 | 476 | 475       | 448 | 444 | 613 | 576 | 575 | 341 | 353 | 329 | 333 | 313 | 314 | 311 | 285 | 286 | 286 | 286 |     |
| 240 | 240 | 224 | 224 | 196 | 193 | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 240 | 240 | 224 | 224 | 196 | 193 | 0   | 0   | 0   | 0   | 162 | 189 | 189 | 187 | 208 | 204 | 281 | 275 | 288 | 301 | 293 | 277       | 351 | 345 | 343 | 276 | 277 | 191 | 169 | 169 | 169 | 169 | 148 | 148 | 148 | 145 | 145 | 145 |     |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 240 | 240 | 224 | 224 | 196 | 193 | 0   | 0   | 0   | 0   | 162 | 189 | 189 | 187 | 208 | 204 | 281 | 275 | 288 | 301 | 293 | 277       | 351 | 345 | 343 | 276 | 277 | 191 | 169 | 169 | 169 | 169 | 148 | 148 | 148 | 145 | 145 | 145 |     |

(7) RENTED 775 A.F. TO DEWEY; 2993 TO FARMERS FRIEND; 380 TO WILFORD

(8) RENTED FROM FALL RIVER CANAL

(10) TRANSFER FROM MARYSVILLE TO SQUIRREL CANAL

(11) TRANSFER TO ROXANA



| SEPTEMBER |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                 |               |                    |                |                 |                       |         |                        |        |  | NO. | TOTAL |  | RESERVOIR ALLOTMENTS IN ACRE-FEET |  |  |  |  |  |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------|---------------|--------------------|----------------|-----------------|-----------------------|---------|------------------------|--------|--|-----|-------|--|-----------------------------------|--|--|--|--|--|
| 11        | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | SECOND-<br>FEET | ACRE-<br>FEET | FREMONT<br>MADISON | HENRYS<br>LAKE | OTHER<br>RIGHTS | RENTALS               | TOTAL   | HEADGATE<br>EQUIVALENT |        |  |     |       |  |                                   |  |  |  |  |  |
| 10        | 10  | 10  | 10  | 10  | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 1               | 920           | 1,825              | 1,510          |                 | (1) 1,470             | (2) 40  | 3,020                  | 2,889  |  |     |       |  |                                   |  |  |  |  |  |
| 4         | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 2               | 325           | 645                | 681            |                 |                       |         | 681                    | 654    |  |     |       |  |                                   |  |  |  |  |  |
| 2         | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 3               | 142           | 282                | 313            |                 |                       |         | 313                    | 305    |  |     |       |  |                                   |  |  |  |  |  |
| 4         | 4   | 4   | 4   | 4   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 4               | 300           | 595                | 630            |                 |                       |         | 630                    | 614    |  |     |       |  |                                   |  |  |  |  |  |
| 8         | 8   | 8   | 8   | 8   | 7   | 7   | 7   | 7   | 7   | 7   | 2   | 2   | 2   | 1   | 1   | 1   | 1   | 1   | 1   | 5               | 742           | 1,472              | 1,725          |                 |                       |         | 1,725                  | 1,682  |  |     |       |  |                                   |  |  |  |  |  |
| 3         | 3   | 3   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 1   | 0   |     |     |     | 6               | 233           | 462                | 165            |                 |                       | (2) 300 | 465                    | 453    |  |     |       |  |                                   |  |  |  |  |  |
| 5         | 5   | 5   | 5   | 5   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 7               | 548           | (3) 1,087          | 240            |                 | (4) 646               |         | 886                    | 878    |  |     |       |  |                                   |  |  |  |  |  |
| 4         | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 5   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 8               | 508           | 1,008              | 1,680          |                 |                       |         | 1,680                  | 1,638  |  |     |       |  |                                   |  |  |  |  |  |
| 90        | 90  | 90  | 90  | 90  | 90  | 90  | 90  | 90  | 90  | 90  | 90  | 90  | 90  | 90  | 90  | 90  | 90  | 90  | 90  | 9               | 7,303         | 14,485             | 19,716         |                 | (10) - 100            |         | 19,816                 | 19,726 |  |     |       |  |                                   |  |  |  |  |  |
| 24        | 24  | 24  | 24  | 24  | 0   |     |     | 0   | 18  | 18  | 34  | 36  | 36  | 36  | 36  | 36  | 36  | 36  | 36  | 10              | 2,935         | 5,821              | 7,964          |                 |                       |         | 7,964                  | 7,765  |  |     |       |  |                                   |  |  |  |  |  |
| 0         |     |     |     |     |     |     |     |     |     |     |     | 0   | 1   | 0   |     |     |     |     |     | 11              | 49            | 97                 | 80             |                 |                       |         | 80                     | 78     |  |     |       |  |                                   |  |  |  |  |  |
| 100       | 102 | 102 | 104 | 104 | 102 | 101 | 103 | 101 | 101 | 101 | 101 | 101 | 101 | 99  | 103 | 101 | 101 | 101 | 101 | 12              | 9,381         | 18,607             | 10,028         |                 | (5) 16,071            |         | 26,099                 | 24,843 |  |     |       |  |                                   |  |  |  |  |  |
|           |     |     |     |     | 0   | 1   | 1   | 0   |     |     |     |     |     |     |     |     |     |     |     | 13              | 108           | 214                | 140            |                 | (6) 83                |         | 223                    | 217    |  |     |       |  |                                   |  |  |  |  |  |
|           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 14              | 950           | 1,884              | 8,044          |                 | (9) - 150 (7) - 4,148 |         | 3,746                  | 3,652  |  |     |       |  |                                   |  |  |  |  |  |
|           |     |     |     |     |     |     |     | 2   | 2   | 1   | 1   | 1   | 1   | 1   | 0   |     |     |     |     | 15              | 693           | 1,375              | 1,534          |                 | (6) - 83              |         | 1,451                  | 1,415  |  |     |       |  |                                   |  |  |  |  |  |
|           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 16              | 13            | 26                 | 511            |                 |                       |         | 511                    | 498    |  |     |       |  |                                   |  |  |  |  |  |
|           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 17              | 0             | 0                  | 50             |                 |                       |         | 50                     | 49     |  |     |       |  |                                   |  |  |  |  |  |
| 14        | 16  | 16  | 16  | 17  | 17  | 17  | 17  | 14  | 14  | 15  | 15  | 15  | 16  | 15  | 15  | 15  | 16  | 16  | 18  | 1,221           | 2,422         | 619                | 1,135          |                 | (8) 775               | 2,529   | 2,422                  |        |  |     |       |  |                                   |  |  |  |  |  |
| 49        | 49  | 49  | 49  | 49  | 49  | 49  | 49  | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 11  | 11  | 11  | 19              | 4,041         | 8,015              | 1,860          | 10,990          |                       |         | 12,850                 | 12,101 |  |     |       |  |                                   |  |  |  |  |  |
|           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 20              | 0             | 0                  | 3,447          | 5,332           |                       |         | 8,779                  | 8,358  |  |     |       |  |                                   |  |  |  |  |  |
| 105       | 110 | 88  | 83  | 86  | 84  | 84  | 83  | 83  | 83  | 64  | 38  | 42  | 23  | 24  | 24  | 22  | 22  | 22  | 21  | 4,206           | 8,342         | 5,562              |                |                 | (8) 2,993             | 8,555   | 8,341                  |        |  |     |       |  |                                   |  |  |  |  |  |
| 79        | 79  | 73  | 73  | 73  | 72  | 74  | 66  | 66  | 0   |     |     |     |     |     |     |     |     |     | 22  | 807             | 1,601         | 5,722              |                |                 |                       | 5,722   | 5,579                  |        |  |     |       |  |                                   |  |  |  |  |  |
|           |     |     |     |     | 0   | 168 | 168 | 168 | 0   |     |     |     |     |     |     |     |     |     | 23  | 606             | 1,202         | 4,755              | 19,211         |                 |                       | 26,966  | 25,542                 |        |  |     |       |  |                                   |  |  |  |  |  |
| 498       | 507 | 476 | 475 | 448 | 444 | 613 | 576 | 575 | 341 | 353 | 329 | 333 | 313 | 314 | 311 | 285 | 286 | 286 | 24  | 34,786          | 68,997        | 77,785             | 36,668         | 16,467          | - 80                  | 130,840 | 125,556                |        |  |     |       |  |                                   |  |  |  |  |  |
|           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 25  | 51              | 101           | 2,374              | 5,332          |                 |                       | 7,706   | 7,306                  |        |  |     |       |  |                                   |  |  |  |  |  |
| 200       | 204 | 202 | 183 | 189 | 185 | 187 | 190 | 191 | 191 | 169 | 169 | 169 | 169 | 148 | 148 | 148 | 145 | 145 | 26  | 11,096          | 22,009        | 9,086              | 21,345         |                 |                       | 30,431  | 28,838                 |        |  |     |       |  |                                   |  |  |  |  |  |
| 88        | 97  | 91  | 94  | 162 | 160 | 156 | 86  | 86  | 0   |     |     |     |     |     |     |     |     |     | 27  | 1,555           | 3,084         | 5,117              | 16,005         | (11) - 88       |                       | 21,034  | 19,884                 |        |  |     |       |  |                                   |  |  |  |  |  |
|           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 28  | 14              | 28            | 28                 |                |                 |                       | 28      | 27                     |        |  |     |       |  |                                   |  |  |  |  |  |
| 288       | 301 | 293 | 277 | 351 | 345 | 343 | 276 | 277 | 191 | 169 | 169 | 169 | 169 | 148 | 148 | 148 | 145 | 145 | 29  | 12,716          | 25,222        | 16,605             | 42,682         | - 88            |                       | 59,199  | 56,055                 |        |  |     |       |  |                                   |  |  |  |  |  |

(10) TRANSFER FROM MARYSVILLE TO SQUIRREL CANAL

(11) TRANSFER TO ROXANA



24 HOUR SECOND

- (1) STRING CANAL RENTED TO TRAIL CREEK
- (2) FROM PALISADES WATER USERS
- (3) LINE 8 DIVIDED BY 1.625 AND ONE DAY LATER
- (4) TRANSFER 55 A.F. FROM TETON IRRIGATION TO STEWART,  
28 TO MISCELLANEOUS

(6) TRANSFERRED FROM FALL RIVER CANAL

(7) TRANSFER FROM PINCOCK-BYINGTON TO ME

(B) RAY BROWN RENTED FROM GRAND TUTOR



# S FROM TETON RIVER

R SECOND-FEET EXCEPT AS NOTED

1964

|     |     |     |     |     |     |     |     |     |     |     |     | SEPTEMBER |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | NO  | TOTAL |     |     |     |     |       |       |       |    |       |       |       |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|-----|-----|-----|-------|-------|-------|----|-------|-------|-------|
| 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  | 1   | 2   | 3   | 4   | 5         | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25    | 26  | 27  | 28  | 29  | 30    | ACRE  | FEET  |    |       |       |       |
| 44  | 41  | 41  | 41  | 50  | 47  | 32  | 32  | 32  | 32  | 32  | 37  | 37        | 37  | 35  | 35  | 28  | 28  | 49  | 49  | 49  | 49  | 51  | 51  | 51  | 51  | 45  | 45  | 45  | 42  | 42  | 42  | 42    |     |     |     | 1   | 2,735 | 5,411 |       |    |       |       |       |
| 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 0   |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |     |     |     | 2     | 587   | 1,211 |    |       |       |       |
|     |     |     |     |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |     |     |     |       |       | 3     | 0  |       |       |       |
| 2   | 2   | 2   | 2   | 2   | 4   | 4   | 3   | 3   |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |     |     |     |       |       | 4     | 84 |       |       |       |
| 2   | 2   | 2   | 0   | 0   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2         | 2   | 2   | 2   | 2   | 2   | 2   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |       |     |     |     |     |       |       | 5     | 16 |       |       |       |
|     |     |     |     |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |     |     |     |       |       |       | 6  | 194   |       |       |
| 50  | 47  | 47  | 45  | 54  | 55  | 40  | 39  | 37  | 34  | 34  | 39  | 39        | 39  | 37  | 37  | 30  | 30  | 51  | 49  | 49  |     |     |     |     |     |     |     |     |     |     |     |       |     |     |     |     |       |       |       | 7  | 112   |       |       |
| 31  | 31  | 29  | 29  | 28  | 33  | 34  | 25  | 24  | 23  | 21  | 21  | 24        | 24  | 24  | 23  | 23  | 18  | 18  | 31  | 30  | 30  | 30  | 31  | 31  | 31  | 31  | 28  | 28  | 28  | 26  | 26  | 26    | 26  |     |     |     |       |       |       | 8  | 1,530 | 3,141 |       |
| 11  | 11  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 9         | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 8   | 8   | 8   | 8   | 8   | 8   | 8     | 8   | 7   | 7   | 7   | 7     | 7     |       | 9  | 2,278 | 4,419 |       |
| 42  | 42  | 39  | 39  | 38  | 43  | 44  | 35  | 34  | 33  | 31  | 31  | 33        | 33  | 33  | 32  | 32  | 27  | 27  | 40  | 39  | 39  | 39  | 40  | 40  | 40  | 39  | 36  | 36  | 36  | 34  | 34  | 34    | 33  | 7   | 7   | 7   | 7     | 7     |       | 10 | 731   |       |       |
|     |     |     |     |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |     |     |     |       |       |       |    | 11    | 1,515 | 3,034 |
| 205 | 190 | 185 | 185 | 190 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 190       | 239 | 194 | 129 | 175 | 100 | 116 | 146 | 160 | 95  | 82  | 104 | 139 | 139 | 119 | 146 | 147 | 135 | 139 | 123 | 170   | 156 | 206 | 209 | 202 | 191   |       |       | 12 | 1,127 |       |       |
|     |     |     |     |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |     |     |     |       |       |       |    | 13    | 2,987 |       |
|     |     |     |     |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |     |     |     |       |       |       |    | 14    | 0     |       |
| 21  | 16  | 16  | 0   |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     | 0   | 9   | 22  | 22  | 21  | 23  | 23  | 0   | 26  | 25  | 24  | 18  | 18  | 18    | 18  | 25  | 25  | 25  | 25    |       |       | 15 | 0     |       |       |
| 14  | 6   | 4   | 4   | 4   | 0   |     |     |     |     |     |     |           |     |     |     |     |     |     | 0   | 9   | 22  | 22  | 21  | 23  | 23  | 0   | 26  | 25  | 24  | 18  | 18  | 18    | 18  | 25  | 25  | 25  | 25    |       |       | 16 | 1,821 |       |       |
| 0   | 0   | 10  | 0   |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     | 0   | 15  | 1   | 0   |     |     |     |     |     |     |     | 0   | 4   | 4     | 3   | 1   | 1   | 0   |       |       |       | 17 | 280   |       |       |
| 5   | 5   | 5   | 4   | 3   | 3   | 2   | 1   | 9   | 8   | 0   | 3   | 3         | 3   | 4   | 2   | 2   | 2   | 1   | 1   | 1   | 10  | 4   | 4   | 6   | 5   | 5   | 6   | 2   | 1   | 5   | 4   | 4     | 4   | 2   | 5   | 4   | 4     | 4     |       |    | 18    | 127   |       |
| 1   | 1   | 1   | 0   |     |     | 0   | 1   | 5   | 2   | 3   | 5   | 3         | 3   | 3   | 3   | 3   | 5   | 4   | 3   | 2   | 3   | 3   | 4   | 4   | 9   | 5   | 5   | 5   | 5   | 7   | 5   | 5     | 4   | 5   | 5   | 5   | 5     |       |       | 19 | 383   |       |       |
| 1   | 1   | 0   |     |     |     |     |     |     |     |     | 0   | 1         | 0   |     |     |     |     |     |     |     |     |     |     |     |     | 0   | 1   | 0   | 0   | 1   | 0   |       |     |     |     |     |       |       |       |    | 20    | 219   |       |
|     |     |     |     |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |     |     |     |       |       |       |    | 21    | 123   |       |
|     |     |     |     |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |     |     |     |       |       |       |    | 22    | 143   |       |
|     |     |     |     |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |     |     |     |       |       |       |    | 23    | 23    |       |
|     |     |     |     |     |     |     |     |     |     |     |     | 0         | 3   | 3   | 0   | 0   | 3   | 3   | 0   | 0   | 3   | 3   | 0   |     |     |     |     |     | 0   | 3   | 3   | 0     |     |     |     |     |       |       |       |    | 24    | 60    |       |
|     |     |     |     |     |     |     |     |     |     |     |     | 0         | 11  | 11  | 9   | 9   | 8   | 12  | 0   |     |     |     |     |     |     | 0   | 14  | 21  | 22  | 22  | 17  | 9     | 11  | 21  | 22  | 22  | 0     |       |       |    | 25    | 411   |       |
|     |     |     |     |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |     |     |     |       |       |       |    | 26    | 9     |       |
| 10  | 12  | 7   | 5   | 10  | 8   | 10  | 6   | 2   | 0   |     |     | 0         | 1   | 0   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |     |     |     |       |       |       |    | 27    | 183   |       |
| 0   | 5   | 3   | 3   | 5   | 4   | 4   | 3   | 3   | 3   | 2   | 1   | 1         | 2   | 20  | 18  | 22  | 24  | 20  | 28  | 33  | 30  | 27  | 26  | 21  | 23  | 15  | 23  | 20  | 21  | 23  | 22  | 26    | 27  | 5   | 4   | 2   | 2     |       |       | 28 | 914   |       |       |
| 27  | 25  | 27  | 25  | 17  | 30  | 0   |     |     |     |     |     |           |     | 0   | 20  | 20  | 20  | 15  | 9   | 1   | 47  | 67  | 67  | 69  | 71  | 27  | 15  | 12  | 15  | 15  | 1   | 7     | 7   | 7   | 9   | 4   | 4     |       |       | 29 | 1,604 |       |       |
|     |     |     |     |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |     |     |     |       |       |       |    | 30    | 0     |       |
| 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 4   | 4   | 4   | 4   | 4         | 4   | 4   | 4   | 4   | 4   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 2   | 2   | 2   | 2     | 2   | 2   | 2   | 2   | 2     | 2     |       | 31 | 334   |       |       |
| 84  | 77  | 68  | 56  | 44  | 50  | 21  | 16  | 23  | 17  | 9   | 13  | 11        | 16  | 46  | 58  | 67  | 73  | 62  | 61  | 49  | 118 | 144 | 126 | 134 | 135 | 72  | 99  | 89  | 93  | 94  | 65  | 76    | 82  | 72  | 71  | 42  | 42    |       |       | 32 | 5,397 |       |       |
| 126 | 119 | 107 | 95  | 82  | 93  | 65  | 51  | 57  | 50  | 40  | 44  | 44        | 49  | 79  | 90  | 99  | 100 | 89  | 101 | 88  | 157 | 183 | 166 | 174 | 175 | 111 | 135 | 125 | 129 | 128 | 99  | 110   | 115 | 79  | 78  | 49  | 49    |       |       | 33 | 1,401 |       |       |

(9) 1,750 A.F. FROM PALISADES WATER USERS, 28 FROM TETON IRRIGATION

(10) APPROXIMATE. ESTIMATED JULY 21 TO SEPT. 5

(11) RENT FROM FREMONT-MADISON DISTRICT



1964

PLATE NO. 23

| SEPTEMBER |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |        |                |                       |                                  |         |           |                        |        |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|--------|----------------|-----------------------|----------------------------------|---------|-----------|------------------------|--------|
| 8         | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30 | NO.    | SECOND<br>FEET | TOTAL<br>ACRE<br>FEET | RESERVOIR ALLOTMENT - ACRE- FEET |         |           |                        |        |
|           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |        |                | FREMONT<br>MADISON    | OTHER<br>RIGHTS                  | RENTALS | TOTAL     | HEADGATE<br>EQUIVALENT |        |
| 28        | 28  | 49  | 49  | 49  | 49  | 51  | 51  | 51  | 51  | 45  | 45  | 45  | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 42 | 1      | 2,735          | 5,425                 | 3,213                            |         | (1) 220   | 3,433                  | 5,438  |
|           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    | 2      | 567            | 1,125                 | 1,508                            |         | (1) - 220 | 1,388                  | 2,199  |
|           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    | 3      | 0              | 0                     | 684                              |         | (8) - 100 | 784                    | 1,242  |
|           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    | 4      | 64             | 127                   | 684                              |         |           | 684                    | 1,083  |
|           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    | 5      | 16             | 32                    | 176                              |         |           | 176                    | 279    |
|           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    | 6      | 196            | 389                   | 344                              |         |           | 344                    | 682    |
|           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    | 7      | 112            | 222                   | 173 (2)                          | 190     |           | 363                    | 560    |
| 2         | 2   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    | 8      | 3,690          | 7,320                 | 7,082                            | 190     | - 100     | 7,172                  | 11,483 |
| 30        | 30  | 51  | 49  | 49  | 49  | 51  | 51  | 51  | 51  | 45  | 45  | 45  | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 9  | 2,279  | 4,520          |                       |                                  |         |           |                        |        |
| 23        | 18  | 18  | 31  | 30  | 30  | 30  | 31  | 31  | 31  | 31  | 28  | 28  | 28  | 26  | 26  | 26  | 26  | 26  | 26  | 26  | 26  | 10 | 731    | 1,450          | 1,584                 |                                  |         | 1,584     | 1,544                  |        |
| 9         | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 9   | 8   | 8   | 8   | 8   | 8   | 8   | 8   | 7   | 7   | 7   | 7   | 7   | 11 | 3,010  | 5,970          | 8,666                 | 190                              | 0       | 8,756     | 13,185                 |        |
| 32        | 27  | 27  | 40  | 39  | 39  | 39  | 40  | 40  | 40  | 39  | 36  | 36  | 36  | 34  | 34  | 34  | 33  | 7   | 7   | 7   | 7   | 12 | 6,127  |                |                       |                                  |         |           |                        |        |
| 175       | 100 | 116 | 146 | 160 | 95  | 82  | 104 | 139 | 139 | 119 | 146 | 147 | 135 | 139 | 123 | 170 | 156 | 206 | 209 | 202 | 191 | 13 | 10,957 |                |                       |                                  |         |           |                        |        |
|           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 14 | 0      | 0              | 504                   |                                  |         | 504       | 491                    |        |
|           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 15 | 0      | 0              | 1,370 (4)             | - 83                             |         | 1,287     | 1,255                  |        |
|           |     |     |     | 0   | 9   | 22  | 22  | 21  | 23  | 23  | 0   | 26  | 25  | 24  | 18  | 18  | 18  | 18  | 25  | 25  | 25  | 25 | 16     | 1,621          | 3,215                 | 2,919                            | (5) 380 | 3,299     | 3,217                  |        |
|           |     |     |     |     | 0   | 15  | 1   | 0   |     |     |     |     |     | 0   | 4   | 4   | 3   | 1   | 1   | 0   |     | 17 | 260    | 516            | 367                   |                                  |         | 367       | 358                    |        |
| 7         | 6   | 8   | 5   | 0   |     |     | 0   | 8   | 0   | 3   | 0   |     |     |     |     |     |     |     |     |     |     | 18 | 127    | 252            | 144 (6)               | 150                              |         | 294       | 287                    |        |
| 2         | 2   | 1   | 1   | 1   | 10  | 4   | 4   | 6   | 5   | 5   | 6   | 2   | 1   | 5   | 4   | 4   | 2   | 5   | 4   | 4   | 4   | 19 | 363    | 720            | 479 (4)               | 55 (11) 200                      | 734     | 718       |                        |        |
| 3         | 5   | 4   | 3   | 2   | 3   | 3   | 4   | 4   | 9   | 5   | 5   | 5   | 5   | 7   | 5   | 5   | 4   | 5   | 5   | 5   | 5   | 20 | 219    | 434            | 285 (7)               | 200                              |         | 485       | 473                    |        |
|           |     |     |     |     |     |     |     | 0   | 1   | 0   | 0   | 1   | 0   |     |     |     |     |     |     |     |     | 21 | 123    | 244            | 504 (7)               | - 200                            |         | 304       | 296                    |        |
|           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 22 | 143    | 284            | 9,272                 |                                  |         | 9,272     | 9,040                  |        |
|           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 23 | 23     | 46             | 97                    |                                  |         | 97        | 95                     |        |
| 0         | 3   | 3   | 0   | 0   | 3   | 3   | 0   |     |     |     | 0   | 3   | 3   | 0   |     |     |     |     |     |     |     | 24 | 60     | 119            | 120                   |                                  |         | 120       | 117                    |        |
| 9         | 9   | 8   | 12  | 0   |     |     |     |     | 0   | 14  | 21  | 22  | 22  | 17  | 9   | 11  | 21  | 22  | 22  | 0   |     | 25 | 414    | 821            | 754 (12)              | 88                               |         | 842       | 821                    |        |
|           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 26 | 9      | 18             | 80                    |                                  |         | 80        | 78                     |        |
|           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 27 | 183    | 361            | 1,539                 |                                  |         | 1,539     | 1,501                  |        |
| 2         | 24  | 20  | 28  | 33  | 30  | 27  | 26  | 21  | 23  | 15  | 23  | 20  | 21  | 23  | 22  | 26  | 27  | 5   | 4   | 2   | 2   | 28 | 914    | 1,811          | 3,604                 |                                  |         | 3,604     | 3,514                  |        |
| 0         | 20  | 15  | 9   | 1   | 47  | 67  | 67  | 69  | 71  | 27  | 15  | 12  | 15  | 15  | 1   | 7   | 7   | 7   | 9   | 4   | 4   | 29 | 1,604  | 3,181          | 4,639                 |                                  |         | 4,639     | 4,523                  |        |
|           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 30 | 0      | 0              | 103                   |                                  |         | 103       | 100                    |        |
| 4         | 4   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 31 | 334    | 662            | 652 (9)               | 1,778 (8)                        | 100     | 2,530     | 2,400                  |        |
| 7         | 73  | 62  | 61  | 49  | 118 | 144 | 126 | 134 | 135 | 72  | 99  | 89  | 93  | 94  | 65  | 76  | 82  | 72  | 71  | 42  | 42  | 32 | 6,397  | 12,684         | 27,432                | 1,988                            | 680     | 30,100    | 29,282                 |        |
| 9         | 100 | 89  | 101 | 88  | 157 | 183 | 166 | 174 | 175 | 111 | 135 | 125 | 129 | 128 | 99  | 110 | 115 | 79  | 78  | 49  | 49  | 33 | 9,407  | 18,654         | 36,098                | 2,178                            | 580     | 38,856    | 42,467                 |        |

ETON IRRIGATION



PLATE NO. 23A

[illegible][illegible]

SEASON LOSS =  $1,141 \div 7,053 = 16.2\%$  (JULY 20 TO SEPT. 30)  
TOTAL INTO TETON RIVER FOR SEASON = 5,912 S.F. = 11,726 A.F.



STREAM



24 HOUR SECOND- FEET

3 4 5

3 4 5



## MISCEI

PLAT

AUGUST

S E P T E M B E R



MIS

PLATE NO. 24

PT E M B E R

13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

310  
95  
54

250  
78  
34  
90  
30  
27  
10  
17

270  
0  
10  
29  
30  
37

772  
120  
44  
11  
6  
61  
245  
500  
26  
12  
31

193  
15  
10  
16  
1  
32  
12  
260  
30  
11  
12  
340  
375  
10  
4  
8  
14  
205

270

15 15 20 20 24 24

10 10 10 10 12 12

73  
14  
30  
10  
10  
10  
3  
8  
16  
6  
4  
2  
29

78  
15  
30  
11  
5  
19  
10  
3  
8  
16  
6  
4  
2

40  
2

15

15

9 9 9 9 9 9 9 9 8 7 7 7 7 7 7 7 7

8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7

5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5



# JACKSON LAKE AT MORAN, WYOMING

U. S. GOVERNMENT PRINTING OFFICE 16-50565-1

Place No. 25

Year

Month

Mean

| Year | Month | Mean | Year | Month | Mean | Year | Month | Mean | Year | Month | Mean |
|------|-------|------|------|-------|------|------|-------|------|------|-------|------|
|      |       |      |      |       |      |      |       |      |      |       |      |

| Day | Oct.    | Nov.    | Dec.    | Jan.    | Feb.    | Mar.    | Apr.    | May     | June    | July    | Aug.    |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1   | 612.220 | 582.680 | 593.120 | 608.350 | 633.490 | 631.330 | 633.490 | 636.380 | 690.910 | 848.250 | 793.510 |
| 2   | 610.260 | 582.200 | 593.350 | 609.070 | 633.730 | 631.570 | 633.490 | 637.580 | 692.860 | 852.350 | 789.490 |
| 3   | 609.070 | 581.970 | 593.590 | 609.550 | 633.980 | 631.570 | 633.250 | 638.060 | 695.300 | 853.120 | 783.980 |
| 4   | 607.400 | 581.970 | 593.830 | 610.020 | 633.980 | 631.570 | 633.250 | 638.540 | 700.200 | 853.380 | 778.960 |
| 5   | 606.680 | 581.970 | 594.060 | 610.500 | 633.980 | 633.490 | 633.250 | 638.540 | 706.090 | 852.870 | 774.190 |
| 6   | 605.960 | 582.200 | 594.300 | 611.220 | 633.980 | 633.250 | 633.010 | 638.300 | 714.930 | 852.870 | 769.940 |
| 7   | 605.010 | 582.920 | 595.010 | 612.650 | 633.980 | 633.010 | 633.010 | 637.580 | 725.020 | 852.870 | 765.210 |
| 8   | 604.290 | 583.150 | 595.250 | 612.890 | 633.980 | 633.010 | 632.770 | 636.620 | 733.430 | 851.580 | 760.980 |
| 9   | 603.580 | 584.810 | 596.200 | 614.080 | 633.980 | 632.770 | 632.530 | 636.140 | 738.870 | 851.580 | 756.240 |
| 10  | 602.620 | 585.760 | 596.670 | 615.040 | 634.220 | 632.530 | 632.290 | 635.900 | 745.300 | 850.820 | 751.260 |
| 11  | 601.660 | 586.000 | 596.910 | 615.520 | 634.220 | 632.530 | 632.050 | 636.140 | 751.020 | 849.530 | 746.530 |
| 12  | 600.710 | 586.000 | 597.150 | 616.000 | 634.220 | 632.770 | 632.530 | 636.140 | 751.020 | 849.530 | 746.530 |
| 13  | 599.760 | 585.760 | 597.620 | 616.710 | 633.980 | 633.250 | 633.010 | 635.900 | 755.500 | 848.000 | 741.830 |
| 14  | 599.050 | 585.760 | 598.100 | 616.950 | 633.730 | 633.490 | 632.770 | 762.720 | 759.980 | 846.720 | 736.640 |
| 15  | 598.100 | 586.000 | 598.570 | 617.430 | 633.490 | 633.980 | 632.770 | 766.200 | 845.700 | 844.930 | 726.500 |
| 16  | 596.910 | 586.480 | 599.520 | 617.910 | 633.250 | 633.980 | 632.770 | 771.940 | 844.420 | 844.930 | 726.500 |
| 17  | 595.730 | 586.950 | 600.710 | 618.380 | 633.010 | 633.490 | 632.530 | 771.940 | 844.420 | 844.420 | 721.070 |
| 18  | 594.780 | 587.420 | 601.190 | 619.820 | 633.010 | 633.250 | 632.530 | 780.720 | 843.920 | 843.920 | 715.420 |
| 19  | 593.830 | 588.140 | 601.660 | 621.970 | 632.770 | 633.010 | 632.530 | 789.490 | 843.150 | 843.150 | 710.020 |
| 20  | 592.880 | 588.370 | 602.140 | 624.600 | 632.770 | 633.010 | 632.530 | 795.510 | 841.880 | 841.880 | 704.370 |
| 21  | 591.930 | 589.320 | 602.860 | 625.080 | 632.530 | 632.770 | 645.040 | 802.070 | 838.320 | 838.320 | 693.350 |
| 22  | 590.980 | 589.560 | 603.340 | 625.800 | 632.290 | 633.730 | 649.370 | 803.080 | 835.260 | 835.260 | 687.980 |
| 23  | 589.800 | 590.740 | 603.810 | 626.280 | 632.290 | 633.980 | 653.490 | 803.080 | 831.450 | 831.450 | 682.370 |
| 24  | 589.080 | 591.460 | 604.290 | 626.760 | 632.050 | 633.730 | 656.640 | 803.590 | 827.890 | 827.890 | 677.500 |
| 25  | 588.140 | 591.690 | 604.770 | 628.200 | 631.570 | 633.490 | 659.300 | 805.860 | 823.820 | 823.820 | 672.140 |
| 26  | 586.950 | 591.930 | 605.250 | 629.890 | 631.570 | 633.490 | 663.420 | 809.150 | 819.250 | 819.250 | 666.570 |
| 27  | 585.760 | 592.400 | 605.960 | 630.610 | 631.330 | 633.490 | 668.020 | 816.980 | 814.960 | 814.960 | 661.240 |
| 28  | 584.580 | 592.640 | 606.440 | 631.090 | 631.330 | 633.490 | 675.790 | 826.610 | 810.660 | 810.660 | 655.910 |
| 29  | 583.390 | 592.880 | 607.160 | 631.810 | 631.090 | 633.490 | 683.100 | 835.260 | 805.610 | 805.610 | 652.280 |
| 30  | 582.920 | 593.120 | 607.640 | 632.290 |         | 633.490 | 686.030 | 843.660 | 801.570 | 801.570 | 647.440 |
| 31  | 583.150 |         |         | 632.770 |         | 633.490 | 688.470 |         | 797.530 |         | 642.150 |



# SHAKE RIVER AT MORAN, WYOMING

U. S. GOVERNMENT PRINTING OFFICE 16-50000-1

Year  
Month  
Day

Mean

Agree-  
ment  
1,433  
1,039,990

Plate No. 26

| Year | Month | Day | Mean | Agree- | 1,433  | 1,039,990 | Plate No. 26 |        |        |        |         |         |         |         |        |
|------|-------|-----|------|--------|--------|-----------|--------------|--------|--------|--------|---------|---------|---------|---------|--------|
| 1900 | Jan   | 1   | 880  | 299    | 17,810 | 5,900     | 6,390        | 23,860 | 25,260 | 24,070 | 142,400 | 243,800 | 217,200 | 206,000 | 73,200 |

| Year | Month | Day | Mean | Agree-<br>ment | 1,433 | 1,039,990 | Plate No. 26 |     |     |     |     |       |       |       |     |
|------|-------|-----|------|----------------|-------|-----------|--------------|-----|-----|-----|-----|-------|-------|-------|-----|
| 1900 | Jan   | 1   | 888  | 466            | 132   | 92        | 430          | 417 | 408 | 408 | 605 | 750   | 834   | 972   | 972 |
| 1900 | Jan   | 2   | 888  | 466            | 92    | 92        | 95           | 417 | 417 | 408 | 408 | 750   | 834   | 972   | 972 |
| 1900 | Jan   | 3   | 888  | 466            | 92    | 92        | 95           | 417 | 417 | 408 | 408 | 750   | 834   | 972   | 972 |
| 1900 | Jan   | 4   | 888  | 466            | 92    | 92        | 95           | 417 | 417 | 408 | 408 | 750   | 834   | 972   | 972 |
| 1900 | Jan   | 5   | 888  | 466            | 92    | 92        | 95           | 417 | 417 | 408 | 408 | 750   | 834   | 972   | 972 |
| 1900 | Jan   | 6   | 888  | 466            | 92    | 92        | 97           | 417 | 417 | 408 | 408 | 972   | 972   | 972   | 972 |
| 1900 | Jan   | 7   | 888  | 462            | 90    | 97        | 97           | 417 | 417 | 408 | 408 | 972   | 972   | 972   | 972 |
| 1900 | Jan   | 8   | 888  | 462            | 92    | 97        | 97           | 412 | 412 | 408 | 408 | 979   | 979   | 979   | 979 |
| 1900 | Jan   | 9   | 888  | 471            | 92    | 97        | 97           | 412 | 412 | 408 | 408 | 979   | 979   | 979   | 979 |
| 1900 | Jan   | 10  | 888  | 466            | 95    | 97        | 97           | 412 | 412 | 408 | 408 | 986   | 986   | 986   | 986 |
| 1900 | Jan   | 11  | 888  | 466            | 95    | 97        | 97           | 412 | 412 | 408 | 404 | 986   | 986   | 986   | 986 |
| 1900 | Jan   | 12  | 888  | 462            | 95    | 97        | 97           | 412 | 412 | 408 | 404 | 979   | 979   | 979   | 979 |
| 1900 | Jan   | 13  | 888  | 462            | 95    | 97        | 97           | 412 | 412 | 408 | 404 | 979   | 979   | 979   | 979 |
| 1900 | Jan   | 14  | 895  | 280            | 95    | 95        | 100          | 100 | 412 | 408 | 404 | 1,440 | 4,420 | 3,580 | 580 |
| 1900 | Jan   | 15  | 895  | 165            | 95    | 95        | 102          | 102 | 417 | 408 | 404 | 2,270 | 4,420 | 3,540 | 570 |
| 1900 | Jan   | 16  | 895  | 165            | 97    | 97        | 102          | 102 | 417 | 408 | 404 | 2,440 | 4,430 | 3,520 | 565 |
| 1900 | Jan   | 17  | 895  | 165            | 97    | 97        | 102          | 102 | 417 | 408 | 404 | 2,440 | 4,430 | 3,520 | 565 |
| 1900 | Jan   | 18  | 888  | 165            | 95    | 95        | 102          | 102 | 417 | 408 | 404 | 2,980 | 4,460 | 3,500 | 535 |
| 1900 | Jan   | 19  | 888  | 165            | 92    | 92        | 102          | 102 | 417 | 404 | 404 | 3,290 | 4,480 | 3,470 | 515 |
| 1900 | Jan   | 20  | 881  | 165            | 92    | 92        | 102          | 102 | 417 | 404 | 404 | 3,720 | 4,480 | 3,420 | 515 |
| 1900 | Jan   | 21  | 881  | 165            | 92    | 92        | 104          | 104 | 417 | 404 | 404 | 3,710 | 4,460 | 3,390 | 515 |
| 1900 | Jan   | 22  | 874  | 165            | 92    | 92        | 104          | 104 | 417 | 404 | 404 | 3,700 | 4,460 | 3,390 | 515 |
| 1900 | Jan   | 23  | 874  | 162            | 90    | 90        | 104          | 104 | 417 | 404 | 404 | 3,700 | 4,460 | 3,390 | 510 |
| 1900 | Jan   | 24  | 874  | 162            | 90    | 90        | 104          | 104 | 417 | 408 | 404 | 3,700 | 4,500 | 3,300 | 510 |
| 1900 | Jan   | 25  | 867  | 162            | 90    | 90        | 107          | 107 | 417 | 408 | 404 | 3,680 | 4,480 | 3,280 | 458 |
| 1900 | Jan   | 26  | 867  | 162            | 90    | 90        | 109          | 109 | 417 | 408 | 399 | 3,700 | 4,480 | 3,280 | 458 |
| 1900 | Jan   | 27  | 867  | 162            | 90    | 90        | 109          | 109 | 417 | 408 | 399 | 3,700 | 4,480 | 3,280 | 458 |
| 1900 | Jan   | 28  | 874  | 162            | 90    | 90        | 109          | 109 | 417 | 408 | 399 | 3,700 | 4,480 | 3,280 | 458 |
| 1900 | Jan   | 29  | 874  | 162            | 90    | 90        | 109          | 109 | 417 | 408 | 399 | 3,700 | 4,480 | 3,280 | 458 |
| 1900 | Jan   | 30  | 874  | 162            | 90    | 90        | 109          | 109 | 417 | 408 | 399 | 3,700 | 4,480 | 3,280 | 458 |
| 1900 | Jan   | 31  | 767  | 162            | 90    | 90        | 109          | 109 | 417 | 408 | 399 | 3,700 | 4,480 | 3,280 | 458 |



60748.X

MEAN

WCH-1-101

975.7

Plate No. 27

|      |         |         |        |        |        |        |         |         |         |         |         |         |
|------|---------|---------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| Mean | 2,369   | 1,750   | 1,176  | 1,069  | 1,444  | 1,466  | 2,181   | 8,320   | 14,840  | 11,090  | 5,803   | 2,964   |
| Age- | 145,600 | 104,100 | 72,320 | 65,710 | 83,090 | 90,150 | 129,800 | 511,600 | 882,800 | 682,100 | 356,800 | 176,400 |

| Day | Oct   | Nov   | Dec   | Jan.  | Feb.  | Mar.  | Apr.   | May    | June   | July   | Aug.  |
|-----|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|
| 1   | 2,620 | 2,200 | 1,350 | 1,100 | 1,160 | 1,480 | 1,550  | 3,820  | 12,200 | 16,100 | 7,140 |
| 2   | 2,570 | 1,970 | 1,340 | 1,100 | 1,200 | 1,510 | 1,630  | 4,200  | 12,000 | 16,000 | 6,940 |
| 3   | 2,550 | 1,890 | 1,320 | 1,100 | 1,450 | 1,440 | 1,620  | 3,760  | 13,000 | 16,300 | 6,750 |
| 4   | 2,540 | 1,920 | 1,300 | 1,080 | 1,450 | 1,480 | 1,610  | 3,460  | 14,200 | 15,800 | 6,570 |
| 5   | 2,490 | 1,940 | 1,300 | 1,050 | 1,450 | 1,500 | 1,680  | 3,440  | 15,200 | 15,300 | 6,440 |
| 6   | 2,470 | 1,980 | 1,300 | 1,020 | 1,450 | 1,430 | 1,700  | 3,370  | 16,900 | 14,500 | 6,320 |
| 7   | 2,430 | 1,950 | 1,280 | 1,000 | 1,450 | 1,450 | 1,660  | 3,260  | 17,200 | 13,800 | 6,170 |
| 8   | 2,410 | 1,920 | 1,250 | 970   | 1,450 | 1,430 | 1,640  | 3,330  | 17,200 | 13,200 | 6,140 |
| 9   | 2,410 | 2,080 | 1,230 | 960   | 1,470 | 1,450 | 1,730  | 3,460  | 16,600 | 12,600 | 6,070 |
| 10  | 2,440 | 2,150 | 1,230 | 960   | 1,480 | 1,450 | 1,910  | 3,590  | 16,500 | 12,400 | 5,900 |
| 11  | 2,430 | 2,030 | 1,200 | 960   | 1,490 | 1,450 | 2,070  | 3,780  | 15,900 | 12,100 | 5,830 |
| 12  | 2,400 | 1,970 | 1,150 | 960   | 1,490 | 1,500 | 2,040  | 3,940  | 14,700 | 11,800 | 5,780 |
| 13  | 2,350 | 1,930 | 1,100 | 960   | 1,480 | 1,460 | 1,920  | 4,220  | 13,900 | 11,800 | 5,800 |
| 14  | 2,380 | 1,890 | 1,100 | 950   | 1,450 | 1,440 | 1,880  | 4,910  | 13,600 | 11,900 | 5,660 |
| 15  | 2,380 | 1,840 | 1,100 | 950   | 1,400 | 1,480 | 2,120  | 6,300  | 14,600 | 12,300 | 5,660 |
| 16  | 2,350 | 1,730 | 1,120 | 970   | 1,400 | 1,450 | 2,590  | 7,730  | 16,100 | 11,600 | 5,710 |
| 17  | 2,320 | 1,650 | 1,140 | 980   | 1,470 | 1,480 | 2,620  | 8,660  | 17,200 | 10,500 | 5,710 |
| 18  | 2,320 | 1,570 | 1,150 | 1,000 | 1,500 | 1,520 | 2,470  | 10,000 | 17,700 | 9,810  | 5,640 |
| 19  | 2,300 | 1,500 | 1,150 | 1,030 | 1,500 | 1,510 | 2,430  | 10,700 | 16,500 | 9,290  | 5,590 |
| 20  | 2,290 | 1,500 | 1,150 | 1,080 | 1,480 | 1,460 | 2,540  | 12,000 | 14,800 | 8,910  | 5,640 |
| 21  | 2,260 | 1,550 | 1,140 | 1,120 | 1,480 | 1,450 | 2,780  | 12,800 | 13,400 | 8,490  | 5,590 |
| 22  | 2,250 | 1,540 | 1,130 | 1,160 | 1,490 | 1,500 | 2,600  | 13,800 | 12,700 | 8,770  | 5,470 |
| 23  | 2,280 | 1,530 | 1,120 | 1,200 | 1,490 | 1,470 | 2,470  | 13,400 | 12,100 | 8,660  | 5,380 |
| 24  | 2,320 | 1,560 | 1,110 | 1,200 | 1,500 | 1,460 | 2,670  | 12,800 | 12,300 | 8,410  | 5,270 |
| 25  | 2,290 | 1,510 | 1,100 | 1,200 | 1,460 | 1,440 | 2,510  | 12,600 | 13,300 | 8,190  | 5,220 |
| 26  | 2,260 | 1,480 | 1,100 | 1,200 | 1,460 | 1,460 | 2,380  | 13,400 | 14,600 | 7,870  | 5,160 |
| 27  | 2,250 | 1,490 | 1,100 | 1,200 | 1,460 | 1,450 | 2,280  | 15,100 | 14,600 | 7,650  | 5,160 |
| 28  | 2,200 | 1,470 | 1,100 | 1,180 | 1,450 | 1,440 | 2,290  | 16,000 | 14,800 | 7,460  | 5,220 |
| 29  | 2,220 | 1,390 | 1,100 | 1,170 | 1,450 | 1,440 | 2,710  | 15,500 | 15,500 | 7,540  | 5,400 |
| 30  | 2,300 | 1,360 | 1,100 | 1,160 | 1,460 | 1,460 | 3,320  | 12,900 | 15,800 | 7,520  | 5,330 |
| 31  | 2,350 | 1,100 | 1,100 | 1,100 | 1,160 | 1,490 | 12,200 | 12,200 | 7,300  | 5,240  | 1,870 |



GREYS RIVER ABOVE RESERVOIR NEAR ALPINE, WYOMING

472,480

Plates No. 28

| Year | 1907 | 1908 | 1909 | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 | 2101 | 2102 | 2103 | 2104 | 2105 | 2106 | 2107 | 2108 | 2109 | 2110 | 2111 | 2112 | 2113 | 2114 | 2115 | 2116 | 2117 | 2118 | 2119 | 2120 | 2121 | 2122 | 2123 | 2124 | 2125 | 2126 | 2127 | 2128 | 2129 | 2130 | 2131 | 2132 | 2133 | 2134 | 2135 | 2136 | 2137 | 2138 | 2139 | 2140 | 2141 | 2142 | 2143 | 2144 | 2145 | 2146 | 2147 | 2148 | 2149 | 2150 | 2151 | 2152 | 2153 | 2154 | 2155 | 2156 | 2157 | 2158 | 2159 | 2160 | 2161 | 2162 | 2163 | 2164 | 2165 | 2166 | 2167 | 2168 | 2169 | 2170 | 2171 | 2172 | 2173 | 2174 | 2175 | 2176 | 2177 | 2178 | 2179 | 2180 | 2181 | 2182 | 2183 | 2184 | 2185 | 2186 | 2187 | 2188 | 2189 | 2190 | 2191 | 2192 | 2193 | 2194 | 2195 | 2196 | 2197 | 2198 | 2199 | 2200 | 2201 | 2202 | 2203 | 2204 | 2205 | 2206 | 2207 | 2208 | 2209 | 2210 | 2211 | 2212 | 2213 | 2214 | 2215 | 2216 | 2217 | 2218 | 2219 | 2220 | 2221 | 2222 | 2223 | 2224 | 2225 | 2226 | 2227 | 2228 | 2229 | 2230 | 2231 | 2232 | 2233 | 2234 | 2235 | 2236 | 2237 | 2238 | 2239 | 2240 | 2241 | 2242 | 2243 | 2244 | 2245 | 2246 | 2247 | 2248 | 2249 | 2250 | 2251 | 2252 | 2253 | 2254 | 2255 | 2256 | 2257 | 2258 | 2259 | 2260 | 2261 | 2262 | 2263 | 2264 | 2265 | 2266 | 2267 | 2268 | 2269 | 2270 | 2271 | 2272 | 2273 | 2274 | 2275 | 2276 | 2277 | 2278 | 2279 | 2280 | 2281 | 2282 | 2283 | 2284 | 2285 | 2286 | 2287 | 2288 | 2289 | 2290 | 2291 | 2292 | 2293 | 2294 | 2295 | 2296 | 2297 | 2298 | 2299 | 2300 | 2301 | 2302 | 2303 | 2304 | 2305 | 2306 | 2307 | 2308 | 2309 | 2310 | 2311 | 2312 | 2313 | 2314 | 2315 | 2316 | 2317 | 2318 | 2319 | 2320 | 2321 | 2322 | 2323 | 2324 | 2325 | 2326 | 2327 | 2328 | 2329 | 2330 | 2331 | 2332 | 2333 | 2334 | 2335 | 2336 | 2337 | 2338 | 2339 | 2340 | 2341 | 2342 | 2343 | 2344 | 2345 | 2346 | 2347 | 2348 | 2349 | 2350 | 2351 | 2352 | 2353 | 2354 | 2355 | 2356 | 2357 | 2358 | 2359 | 2360 | 2361 | 2362 | 2363 | 2364 | 2365 | 2366 | 2367 | 2368 | 2369 | 2370 | 2371 | 2372 | 2373 | 2374 | 2375 | 2376 | 2377 | 2378 | 2379 | 2380 | 2381 | 2382 | 2383 | 2384 | 2385 | 2386 | 2387 | 2388 | 2389 | 2390 | 2391 | 2392 | 2393 | 2394 | 2395 | 2396 | 2397 | 2398 | 2399 | 2400 | 2401 | 2402 | 2403 | 2404 | 2405 | 2406 | 2407 | 2408 | 2409 | 2410 | 2411 | 2412 | 2413 | 2414 | 2415 | 2416 | 2417 | 2418 | 2419 | 2420 | 2421 | 2422 | 2423 | 2424 | 2425 | 2426 | 2427 | 2428 | 2429 | 2430 | 2431 | 2432 | 2433 | 2434 | 2435 | 2436 | 2437 | 2438 | 2439 | 2440 | 2441 | 2442 | 2443 | 2444 | 2445 | 2446 | 2447 | 2448 | 2449 | 2450 | 2451 | 2452 | 2453 | 2454 | 2455 | 2456 | 2457 | 2458 | 2459 | 2460 | 2461 | 2462 | 2463 | 2464 | 2465 | 2466 | 2467 | 2468 | 2469 | 2470 | 2471 | 2472 | 2473 | 2474 | 2475 | 2476 | 2477 | 2478 | 2479 | 2480 | 2481 | 2482 | 2483 | 2484 | 2485 | 2486 | 2487 | 2488 | 2489 | 2490 | 2491 | 2492 | 2493 | 2494 | 2495 | 2496 | 2497 | 2498 | 2499 | 2500 | 2501 | 2502 | 2503 | 2504 | 2505 | 2506 | 2507 | 2508 | 2509 | 2510 | 2511 | 2512 | 2513 | 2514 | 2515 | 2516 | 2517 | 2518 | 2519 | 2520 | 2521 | 2522 | 2523 | 2524 | 2525 | 2526 | 2527 | 2528 | 2529 | 2530 | 2531 | 2532 | 2533 | 2534 | 2535 | 2536 | 2537 | 2538 | 2539 | 2540 | 2541 | 2542 | 2543 | 2544 | 2545 | 2546 | 2547 | 2548 | 2549 | 2550 | 2551 | 2552 | 2553 | 2554 | 2555 | 2556 | 2557 | 2558 | 2559 | 2560 | 2561 | 2562 | 2563 | 2564 | 2565 | 2566 | 2567 | 2568 | 2569 | 2570 | 2571 | 2572 | 2573 | 2574 | 2575 | 2576 | 2577 | 2578 | 2579 | 2580 | 2581 | 2582 | 2583 | 2584 | 2585 | 2586 | 2587 | 2588 | 2589 | 2590 | 2591 | 2592 | 2593 | 2594 | 2595 | 2596 | 2597 | 2598 | 2599 | 2600 | 2601 | 2602 | 2603 | 2604 | 2605 | 2606 | 2607 | 2608 | 2609 | 2610 | 2611 | 2612 | 2613 | 2614 | 2615 | 2616 | 2617 | 2618 | 2619 | 2620 | 2621 | 2622 | 2623 | 2624 | 2625 | 2626 | 2627 | 2628 | 2629 | 2630 | 2631 | 2632 | 2633 | 2634 | 2635 | 2636 | 2637 | 2638 | 2639 | 2640 | 2641 | 2642 | 2643 | 2644 | 2645 | 2646 | 2647 | 2648 | 2649 | 2650 | 2651 | 2652 | 2653 | 2654 | 2655 | 2656 | 2657 | 2658 | 2659 | 2660 | 2661 | 2662 | 2663 | 2664 | 2665 | 2666 | 2667 | 2668 | 2669 | 2670 | 2671 | 2672 | 2673 | 2674 | 2675 | 2676 | 2677 | 2678 | 2679 | 2680 | 2681 | 2682 | 2683 | 2684 | 2685 | 2686 | 2687 | 2688 | 2689 | 2690 | 2691 | 2692 | 2693 | 2694 | 2695 | 2696 | 2697 | 2698 | 2699 | 2700 | 2701 | 2702 | 2703 | 2704 | 2705 | 2706 | 2707 | 2708 | 2709 | 2710 | 2711 | 2712 | 2713 | 2714 | 2715 | 2716 | 2717 | 2718 | 2719 | 2720 | 2721 | 2722 | 2723 | 2724 | 2725 | 2726 | 2727 | 2728 | 2729 | 2730 | 2731 | 2732 | 2733 | 2734 | 2735 | 2736 | 2737 | 2738 | 2739 | 2740 | 2741 | 2742 | 2743 | 2744 | 2745 | 2746 | 2747 | 2748 | 2749 | 2750 | 2751 | 2752 | 2753 | 2754 | 2755 | 2756 | 2757 | 2758 | 2759 | 2760 | 2761 | 2762 | 2763 | 2764 | 2765 | 2766 | 2767 | 2768 | 2769 | 2770 | 2771 | 2772 | 2773 | 2774 | 2775 | 2776 | 2777 | 2778 | 2779 | 2780 | 2781 | 2782 | 2783 | 2784 | 2785 | 2786 | 2787 | 2788 | 2789 | 2790 | 2791 | 2792 | 2793 | 2794 | 2795 | 2796 | 2797 | 2798 | 2799 | 2800 | 2801 | 2802 | 2803 | 2804 | 2805 | 2806 | 2807 | 2808 | 2809 | 2810 | 2811 | 2812 | 2813 | 2814 | 2815 | 2816 | 2817 | 2818 | 2819 | 2820 | 2821 | 2822 | 2823 | 2824 | 2825 | 2826 | 2827 | 2828 | 2829 | 2830 | 2831 | 2832 | 2833 | 2834 | 2835 | 2836 | 2837 | 2838 | 2839 | 2840 | 2841 | 2842 | 2843 | 2844 | 2845 | 2846 | 2847 | 2848 | 2849 | 2850 | 2851 | 2852 | 2853 | 2854 | 2855 | 2856 | 2857 | 2858 | 2859 | 2860 | 2861 | 2862 | 2863 | 2864 | 2865 | 2866 | 2867 | 2868 | 2869 | 2870 | 2871 | 2872 | 2873 | 2874 | 2875 | 2876 | 2877 | 2878 | 2879 | 2880 | 2881 | 2882 | 2883 | 2884 | 2885 | 2886 | 2887 | 2888 | 2889 | 2890 | 2891 | 2892 | 2893 | 2894 | 2895 | 2896 | 2897 | 2898 | 2899 | 2900 | 2901 | 2902 | 2903 | 2904 | 2905 | 2906 | 2907 | 2908 | 2909 | 2910 | 2911 | 2912 | 2913 | 2914 | 2915 | 2916 | 2917 | 2918 | 2919 | 2920 | 2921 | 2922 | 2923 | 2924 | 2925 | 2926 | 2927 | 2928 | 2929 | 2930 | 2931 | 2932 | 2933 | 2934 | 2935 | 2936 | 2937 | 2938 | 2939 | 2940 | 2941 | 2942 | 2943 | 2944 | 2945 | 2946 | 2947 | 2948 | 2949 | 2950 | 2951 | 2952 | 2953 | 2954 | 2955 | 2956 | 2957 | 2958 | 2959 | 2960 | 2961 | 2962 | 2963 | 2964 | 2965 | 2966 | 2967 | 2968 | 2969 | 2970 | 2971 | 2972 | 2973 | 2974 | 2975 | 2976 | 2977 | 2978 | 2979 | 2980 | 2981 | 2982 | 2983 | 2984 | 2985 | 2986 | 2987 | 2988 | 2989 | 2990 | 2991 | 2992 | 2993 | 2994 | 2995 | 2996 | 2997 | 2998 | 2999 | 3000 | 3001 | 3002 | 3003 | 3004 | 3005 | 3006 | 3007 | 3008 | 3009 | 3010 | 3011 | 3012 | 3013 | 3014 | 3015 | 3016 | 3017 | 3018 | 3019 | 3020 | 3021 | 3022 | 3023 | 3024 | 3025 | 3026 | 3027 | 3028 | 3029 | 3030 | 3031 | 3032 | 3033 | 3034 | 3035 | 3036 | 3037 | 3038 | 3039 | 3040 | 3041 | 3042 | 3043 | 3044 | 3045 | 3046 | 3047 | 3048 | 3049 | 3050 | 3051 | 3052 | 3053 | 3054 | 3055 | 3056 | 3057 | 3058 | 3059 | 3060 | 3061 | 3062 | 3063 | 3064 | 3065 | 3066 | 3067 | 3068 | 3069 | 3070 | 3071 | 3072 | 3073 | 3074 | 3075 | 3076 | 3077 | 3078 | 3079 | 3080 | 3081 | 3082 | 3083 | 3084 | 3085 | 3086 | 3087 | 3088 | 3089 | 3090 | 3091 | 3092 | 3093 | 3094 | 3095 | 3096 | 3097 | 3098 | 3099 | 3100 | 3101 | 3102 | 3103 | 3104 | 3105 | 3106 | 3107 | 3108 | 3109 | 3110 | 3111 | 3112 | 3113 | 3114 | 3115 | 3116 | 3117 | 3118 | 3119 | 3120 | 3121 | 3122 | 3123 | 3124 | 3125 | 3126 | 3127 | 3128 | 3129 | 3130 | 3131 | 3132 | 3133 | 3134 | 3135 | 3136 | 3137 | 3138 | 3139 | 3140 | 3141 | 3142 | 3143 | 3144 | 3145 | 3146 | 3147 | 3148 | 3149 | 3150 | 3151 | 3152 | 3153 | 3154 | 3155 | 3156 | 3157 | 3158 | 3159 | 3160 | 3161 | 3162 | 3163 | 3164 | 3165 | 3166 | 3167 | 3168 | 3169 | 3170 | 3171 | 3172 | 3173 | 3174 | 3175 | 3176 | 3177 | 3178 | 3179 | 3180 | 3181 | 3182 | 3183 | 3184 | 3185 | 3186 | 3187 | 3188 | 3189 | 3190 | 3191 | 3192 | 3193 | 3194 | 3195 | 3196 | 3197 | 3198 | 3199 | 3200 | 3201 | 3202 | 3203 | 3204 | 3205 | 3206 | 3207 | 3208 | 3209 | 3210 | 3211 | 3212 | 3213 | 3214 | 3215 | 3216 | 3217 | 3218 | 3219 | 3220 | 3221 | 3222 | 3223 | 3224 | 3225 | 3226 | 3227 | 3228 | 3229 | 3230 | 3231 | 3232 | 3233 | 3234 | 3235 | 3236 | 3237 | 3238 | 3239 | 3240 | 3241 | 3242 | 3243 | 3244 | 3245 | 3246 | 3247 | 3248 | 3249 | 3250 | 3251 | 3252 | 3253 | 3254 | 3255 | 3256 | 3257 | 3258 | 3259 | 3260 | 3261 | 3262</ |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-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|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-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# SALT RIVER ABOVE RESERVOIR NEAR ETNA, WYO.

U. S. GOVERNMENT PRINTING OFFICE 16-50002-1

Plate No. 29

Year  
Period  
Mean  
619,450  
Acres-Feet  
43,890  
Acres-Feet  
43,890

| Year | Mean  | Acres-Feet | Acres-Feet |
|------|-------|------------|------------|
| 1904 | 740   | 44,060     | 740        |
| 1905 | 745   | 1,020      | 745        |
| 1906 | 607   | 36,110     | 607        |
| 1907 | 493   | 30,340     | 493        |
| 1908 | 417   | 25,640     | 417        |
| 1909 | 382   | 21,980     | 382        |
| 1910 | 368   | 22,620     | 368        |
| 1911 | 738   | 43,890     | 738        |
| 1912 | 2,005 | 123,300    | 2,005      |
| 1913 | 2,087 | 124,200    | 2,087      |
| 1914 | 1,020 | 63,000     | 1,020      |
| 1915 | 745   | 45,820     | 745        |
| 1916 | 740   | 44,060     | 740        |

| Day | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr.  | May   | June  | July  | Aug. | Sept. |
|-----|------|------|------|------|------|------|-------|-------|-------|-------|------|-------|
| 1   | 663  | 614  | 511  | 475  | 418  | 373  | 391   | 1,780 | 1,980 | 1,470 | 836  | 804   |
| 2   | 663  | 600  | 505  | 470  | 414  | 400  | 405   | 1,810 | 1,900 | 1,420 | 812  | 788   |
| 3   | 656  | 594  | 493  | 460  | 377  | 370  | 409   | 1,340 | 1,870 | 1,270 | 820  | 780   |
| 4   | 642  | 607  | 493  | 450  | 380  | 370  | 423   | 1,340 | 1,870 | 1,180 | 812  | 772   |
| 5   | 642  | 628  | 493  | 440  | 380  | 366  | 433   | 1,260 | 1,980 | 1,150 | 844  | 764   |
| 6   | 642  | 635  | 517  | 425  | 385  | 355  | 433   | 1,250 | 2,240 | 1,100 | 812  | 760   |
| 7   | 642  | 635  | 499  | 405  | 391  | 358  | 449   | 1,320 | 2,650 | 1,050 | 764  | 756   |
| 8   | 642  | 635  | 505  | 400  | 395  | 373  | 481   | 1,430 | 2,740 | 1,040 | 740  | 752   |
| 9   | 642  | 663  | 499  | 400  | 400  | 358  | 517   | 1,570 | 2,570 | 1,040 | 733  | 750   |
| 10  | 635  | 698  | 499  | 395  | 405  | 358  | 523   | 1,720 | 2,380 | 1,020 | 719  | 748   |
| 11  | 635  | 663  | 481  | 390  | 395  | 366  | 523   | 1,790 | 2,230 | 1,000 | 719  | 740   |
| 12  | 635  | 649  | 481  | 390  | 382  | 366  | 505   | 1,900 | 2,140 | 1,000 | 733  | 733   |
| 13  | 635  | 635  | 493  | 390  | 382  | 366  | 517   | 2,090 | 2,010 | 1,020 | 726  | 740   |
| 14  | 635  | 628  | 493  | 390  | 351  | 366  | 594   | 2,290 | 1,950 | 1,040 | 719  |       |
| 15  | 628  | 628  | 493  | 395  | 373  | 362  | 756   | 2,420 | 1,960 | 1,010 | 719  | 726   |
| 16  | 628  | 642  | 493  | 400  | 386  | 366  | 836   | 2,500 | 2,130 | 980   | 726  | 726   |
| 17  | 621  | 628  | 499  | 405  | 377  | 366  | 836   | 2,500 | 2,450 | 972   | 712  | 726   |
| 18  | 614  | 600  | 499  | 405  | 386  | 362  | 836   | 2,470 | 2,510 | 972   | 712  | 726   |
| 19  | 607  | 587  | 499  | 410  | 373  | 362  | 972   | 2,540 | 2,360 | 956   | 712  | 726   |
| 20  | 600  | 587  | 499  | 414  | 373  | 366  | 1,090 | 2,570 | 2,240 | 956   | 712  | 726   |
| 21  | 600  | 594  | 499  | 423  | 377  | 366  | 1,090 | 2,570 | 2,240 | 956   | 712  | 726   |
| 22  | 600  | 580  | 499  | 414  | 386  | 370  | 1,030 | 2,560 | 2,160 | 916   | 712  | 726   |
| 23  | 607  | 574  | 481  | 423  | 377  | 370  | 1,040 | 2,510 | 2,040 | 876   | 698  | 726   |
| 24  | 621  | 580  | 465  | 418  | 382  | 370  | 1,160 | 2,350 | 1,930 | 868   | 698  | 719   |
| 25  | 607  | 574  | 481  | 418  | 377  | 373  | 1,040 | 2,240 | 1,850 | 860   | 698  | 719   |
| 26  | 600  | 568  | 470  | 418  | 358  | 377  | 956   | 2,190 | 1,730 | 860   | 705  | 712   |
| 27  | 594  | 568  | 493  | 409  | 355  | 377  | 908   | 2,340 | 1,720 | 852   | 705  | 712   |
| 28  | 600  | 554  | 499  | 405  | 351  | 373  | 972   | 2,350 | 1,730 | 900   | 705  | 712   |
| 29  | 600  | 535  | 487  | 405  | 370  | 373  | 1,190 | 2,240 | 1,740 | 924   | 733  | 712   |
| 30  | 628  | 517  | 485  | 414  | 373  | 373  | 1,500 | 2,050 | 1,640 | 876   | 764  | 712   |
| 31  | 635  |      | 480  | 423  |      | 373  |       | 1,930 |       | 852   | 804  |       |



# BEAR CREEK ABOVE RESERVOIR NEAR IRWIN, IDAHO

U. S. GOVERNMENT PRINTING OFFICE 16-60066-1

Year  
or  
Flood

Mean  
or  
Flood

68,110

93.8

Plate No. 30

| Mean | Acres | Feet   |
|------|-------|--------|
| 29.0 | 29.3  | 1,790  |
| 29.3 | 24.4  | 1,740  |
| 23.3 | 1,500 | 1,430  |
| 20.2 | 1,160 | 1,240  |
| 20.1 | 5,250 | 22,890 |
| 88.2 | 304   | 18,090 |
| 372  | 119   | 7,300  |
| 38.8 | 55.5  | 3,410  |
|      |       | 2,310  |

| Year | Mean | Acres | Feet |
|------|------|-------|------|
| 1    | 20   | 20    | 20   |
| 2    | 20   | 20    | 20   |
| 3    | 20   | 20    | 20   |
| 4    | 20   | 20    | 20   |
| 5    | 20   | 20    | 20   |
| 6    | 20   | 20    | 20   |
| 7    | 20   | 20    | 20   |
| 8    | 20   | 20    | 20   |
| 9    | 20   | 20    | 20   |
| 10   | 20   | 20    | 20   |
| 11   | 20   | 20    | 20   |
| 12   | 20   | 20    | 20   |
| 13   | 20   | 20    | 20   |
| 14   | 20   | 20    | 20   |
| 15   | 20   | 20    | 20   |
| 16   | 20   | 20    | 20   |
| 17   | 20   | 20    | 20   |
| 18   | 20   | 20    | 20   |
| 19   | 20   | 20    | 20   |
| 20   | 20   | 20    | 20   |
| 21   | 20   | 20    | 20   |
| 22   | 20   | 20    | 20   |
| 23   | 20   | 20    | 20   |
| 24   | 20   | 20    | 20   |
| 25   | 20   | 20    | 20   |
| 26   | 20   | 20    | 20   |
| 27   | 20   | 20    | 20   |
| 28   | 20   | 20    | 20   |
| 29   | 20   | 20    | 20   |
| 30   | 20   | 20    | 20   |
| 31   | 20   | 20    | 20   |



PALISADES RESERVOIR NEAR TRINITY, IDAHO (in thousands of a.f.) on

1544  
— 1545 —

THE

ACORN-RENT

Adams-Rice

northern

057, 700, 4

MEAN

Plate No. 31

| Day | Oct | Nov | Dec  | Jan. | Feb. | Mar. | Apr. | May  | June | July | Aug. |
|-----|-----|-----|------|------|------|------|------|------|------|------|------|
| 1   | 896 | 888 | 971  | 1026 | 1075 | 1113 | 1134 | 1018 | 1032 | 1398 | 1325 |
| 2   | 897 | 890 | 973  | 1028 | 1077 | 1115 | 1135 | 1011 | 1040 | 1400 | 1318 |
| 3   | 897 | 891 | 974  | 1030 | 1079 | 1115 | 1135 | 1002 | 1052 | 1401 | 1311 |
| 4   | 897 | 894 | 976  | 1031 | 1080 | 1116 | 1135 | 996  | 1067 | 1402 | 1305 |
| 5   | 897 | 897 | 977  | 1032 | 1081 | 1118 | 1135 | 979  | 1084 | 1401 | 1299 |
| 6   | 896 | 899 | 979  | 1034 | 1083 | 1119 | 1135 | 964  | 1101 | 1400 | 1293 |
| 7   | 896 | 903 | 981  | 1037 | 1084 | 1119 | 1136 | 947  | 1124 | 1402 | 1286 |
| 8   | 896 | 907 | 983  | 1038 | 1086 | 1120 | 1136 | 929  | 1154 | 1401 | 1281 |
| 9   | 895 | 911 | 985  | 1039 | 1087 | 1122 | 1136 | 913  | 1180 | 1401 | 1275 |
| 10  | 894 | 915 | 987  | 1040 | 1089 | 1122 | 1136 | 897  | 1197 | 1405 | 1271 |
| 11  | 894 | 919 | 988  | 1042 | 1091 | 1123 | 1137 | 883  | 1208 | 1405 | 1265 |
| 12  | 893 | 922 | 990  | 1043 | 1093 | 1124 | 1139 | 870  | 1215 | 1402 | 1260 |
| 13  | 892 | 926 | 992  | 1045 | 1094 | 1125 | 1140 | 858  | 1220 | 1401 | 1256 |
| 14  | 891 | 929 | 993  | 1045 | 1096 | 1125 | 1139 | 848  | 1223 | 1404 | 1251 |
| 15  | 890 | 933 | 995  | 1045 | 1097 | 1126 | 1135 | 842  | 1230 | 1407 | 1246 |
| 16  | 890 | 937 | 997  | 1047 | 1098 | 1127 | 1132 | 845  | 1240 | 1408 | 1243 |
| 17  | 889 | 940 | 999  | 1048 | 1100 | 1127 | 1131 | 852  | 1253 | 1406 | 1240 |
| 18  | 888 | 942 | 1001 | 1050 | 1102 | 1128 | 1126 | 861  | 1267 | 1404 | 1237 |
| 19  | 887 | 944 | 1004 | 1052 | 1103 | 1129 | 1117 | 872  | 1280 | 1401 | 1230 |
| 20  | 887 | 946 | 1005 | 1055 | 1105 | 1129 | 1107 | 883  | 1288 | 1399 | 1230 |
| 21  | 886 | 948 | 1007 | 1057 | 1106 | 1130 | 1098 | 894  | 1292 | 1396 | 1227 |
| 22  | 886 | 951 | 1009 | 1059 | 1108 | 1130 | 1091 | 905  | 1294 | 1392 | 1225 |
| 23  | 885 | 953 | 1011 | 1060 | 1109 | 1131 | 1082 | 920  | 1294 | 1387 | 1222 |
| 24  | 884 | 956 | 1013 | 1062 | 1110 | 1131 | 1075 | 931  | 1293 | 1380 | 1219 |
| 25  | 884 | 958 | 1014 | 1064 | 1111 | 1132 | 1067 | 940  | 1295 | 1374 | 1215 |
| 26  | 883 | 961 | 1016 | 1066 | 1112 | 1132 | 1059 | 949  | 1309 | 1367 | 1212 |
| 27  | 883 | 963 | 1017 | 1067 | 1112 | 1133 | 1051 | 959  | 1334 | 1360 | 1209 |
| 28  | 883 | 965 | 1020 | 1068 | 1112 | 1133 | 1041 | 982  | 1359 | 1353 | 1206 |
| 29  | 883 | 967 | 1022 | 1070 | 1112 | 1133 | 1033 | 999  | 1382 | 1347 | 1203 |
| 30  | 885 | 969 | 1024 | 1071 | 1112 | 1133 | 1025 | 1013 | 1394 | 1339 | 1201 |
| 31  | 886 |     | 1025 | 1073 |      | 1134 | 1023 |      | 1352 |      | 1200 |



# SNAKE RIVER NEAR IRWIN, IDAHO

U. S. GOVERNMENT PRINTING OFFICE 16-50002-1

Year  
1920  
1921  
1922  
1923  
1924  
1925  
1926  
1927  
1928  
1929  
1930  
1931  
1932  
1933  
1934  
1935  
1936  
1937  
1938  
1939  
1940

Mean  
6,340  
4,602,240  
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Plate No. 32

| Year | 1920    | 1921   | 1922   | 1923   | 1924   | 1925    | 1926    | 1927    | 1928    | 1929    | 1930    | 1931    | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 |
|------|---------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|------|------|------|------|------|------|------|
| Mean | 3,616   | 1,686  | 1,251  | 1,198  | 1,523  | 1,912   | 5,689   | 13,600  | 14,430  | 14,910  | 9,511   | 6,736   |      |      |      |      |      |      |      |      |      |
| Acme | 222,400 | 88,400 | 76,900 | 73,650 | 87,590 | 117,600 | 338,500 | 836,000 | 858,800 | 916,800 | 584,800 | 400,800 |      |      |      |      |      |      |      |      |      |

| Day   | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8      | 9      | 10     | 11     | 12     | 13     | 14     | 15     | 16     | 17     | 18     | 19     | 20     | 21     | 22     | 23     | 24     | 25     | 26     | 27    | 28    | 29    | 30     | 31     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--------|--------|
| Oct.  | 3,520  | 3,520  | 3,720  | 3,740  | 3,740  | 3,720  | 3,720  | 3,780  | 3,780  | 3,780  | 3,780  | 3,830  | 3,830  | 3,810  | 3,810  | 3,850  | 3,830  | 3,810  | 3,170  | 3,810  | 3,810  | 3,810  | 3,870  | 3,830  | 3,830  | 3,650  | 3,160 | 3,160 | 2,980 | 2,910  | 2,730  |
| Nov.  | 2,380  | 2,180  | 2,010  | 1,800  | 1,640  | 1,540  | 1,540  | 1,440  | 1,440  | 1,440  | 1,430  | 1,430  | 1,230  | 1,220  | 1,230  | 1,230  | 1,370  | 1,420  | 1,430  | 1,430  | 1,430  | 1,420  | 1,430  | 1,430  | 1,430  | 1,440  | 1,280 | 1,280 | 1,250 | 1,250  | 1,250  |
| Dec.  | 1,250  | 1,260  | 1,250  | 1,220  | 1,290  | 1,280  | 1,250  | 1,230  | 1,230  | 1,230  | 1,220  | 1,230  | 1,250  | 1,280  | 1,260  | 1,260  | 1,260  | 1,190  | 1,300  | 1,300  | 1,250  | 1,250  | 1,260  | 1,250  | 1,250  | 1,250  | 1,250 | 1,250 | 1,250 | 1,250  | 1,230  |
| Jan.  | 1,250  | 1,230  | 1,230  | 1,220  | 1,220  | 1,230  | 1,230  | 1,230  | 1,230  | 1,230  | 1,250  | 1,230  | 1,230  | 1,230  | 1,220  | 1,220  | 1,220  | 995    | 995    | 1,190  | 1,250  | 1,210  | 1,180  | 1,180  | 1,180  | 1,190  | 1,180 | 1,180 | 1,180 | 1,180  | 1,190  |
| Feb.  | 1,190  | 1,210  | 1,210  | 1,370  | 1,430  | 1,430  | 1,430  | 1,440  | 1,440  | 1,440  | 1,460  | 1,460  | 1,440  | 1,480  | 1,440  | 1,460  | 1,430  | 1,480  | 1,480  | 1,480  | 1,480  | 1,490  | 1,460  | 1,480  | 1,790  | 1,860  | 1,990 | 2,010 | 2,050 | 2,090  | 2,000  |
| Mar.  | 1,480  | 1,860  | 1,860  | 1,850  | 1,860  | 1,850  | 1,850  | 1,980  | 1,730  | 1,730  | 1,960  | 1,960  | 1,960  | 1,850  | 1,730  | 1,960  | 2,030  | 1,880  | 1,880  | 1,890  | 2,070  | 2,000  | 2,100  | 2,070  | 2,100  | 2,010  | 8,950 | 8,920 | 8,920 | 8,920  | 10,400 |
| Apr.  | 2,030  | 2,440  | 2,440  | 2,390  | 2,510  | 2,480  | 2,480  | 2,500  | 2,500  | 2,500  | 2,480  | 2,480  | 2,510  | 2,720  | 4,980  | 5,000  | 6,020  | 8,000  | 9,200  | 9,200  | 9,200  | 9,070  | 14,600 | 14,500 | 14,500 | 14,500 | 8,950 | 8,920 | 8,920 | 8,920  | 13,400 |
| May   | 11,600 | 12,200 | 12,200 | 12,200 | 12,800 | 14,200 | 14,200 | 14,600 | 14,600 | 14,600 | 14,600 | 14,600 | 14,600 | 14,600 | 13,600 | 11,600 | 11,500 | 11,600 | 12,300 | 12,300 | 12,300 | 14,600 | 14,500 | 14,500 | 14,500 | 14,500 | 8,980 | 6,980 | 6,980 | 7,300  | 16,700 |
| June  | 13,500 | 12,500 | 11,500 | 11,500 | 12,400 | 13,500 | 13,500 | 14,200 | 14,200 | 14,200 | 14,200 | 14,200 | 14,200 | 14,200 | 15,400 | 15,300 | 16,400 | 17,400 | 17,200 | 17,200 | 17,300 | 17,300 | 17,300 | 17,300 | 17,300 | 8,360  | 8,360 | 8,360 | 8,330 | 12,700 |        |
| July  | 19,200 | 19,600 | 19,700 | 19,700 | 19,100 | 17,700 | 17,700 | 17,700 | 14,400 | 14,400 | 16,200 | 16,200 | 16,200 | 16,200 | 14,100 | 14,000 | 14,400 | 13,400 | 13,100 | 13,100 | 12,700 | 12,500 | 13,200 | 13,200 | 13,200 | 8,360  | 8,360 | 8,360 | 8,330 | 8,000  | 7,560  |
| Aug.  | 12,600 | 12,300 | 11,600 | 11,200 | 11,300 | 11,500 | 11,500 | 11,500 | 10,100 | 10,100 | 9,940  | 9,940  | 9,870  | 9,840  | 9,200  | 8,980  | 8,820  | 8,730  | 8,760  | 8,730  | 8,730  | 8,610  | 8,510  | 8,510  | 8,480  | 8,360  | 8,360 | 8,330 | 8,000 | 7,560  | 5,650  |
| Sept. | 6,590  | 6,370  | 6,210  | 6,050  | 5,940  | 5,940  | 5,940  | 5,940  | 7,330  | 7,330  | 7,820  | 7,820  | 8,030  | 8,060  | 8,060  | 8,060  | 8,060  | 8,060  | 8,060  | 7,940  | 7,700  | 6,890  | 6,130  | 5,760  | 5,600  | 5,630  | 5,630 | 5,600 | 5,630 | 5,650  |        |



# SHAKE RIVER NEAR HEISE, IDAHO

U. S. DEPARTMENT OF AGRICULTURE 16-6096-1

Year  
or  
Period

Mean

Acres-Feet 5,063,030

6,974

Plate No. 33

| Year    | Acres-Feet | Mean    |
|---------|------------|---------|
| 4,111   | 1,879      | 1,566   |
| 252,800 | 96,280     | 91,850  |
| 111,800 | 104,400    | 134,000 |
| 2,179   | 6,169      | 15,050  |
| 15,990  | 15,560     | 10,080  |
| 7,583   | 451,200    |         |

| Year  | Acres-Feet | Mean  | Year | Acres-Feet | Mean  |
|-------|------------|-------|------|------------|-------|
| 3,550 | 2,790      | 1,520 | 1917 | 12,400     | 2,330 |
| 3,970 | 2,530      | 1,500 | 1918 | 13,200     | 2,490 |
| 4,170 | 2,410      | 1,650 | 1919 | 13,100     | 2,790 |
| 4,280 | 2,210      | 1,510 | 1920 | 13,000     | 2,940 |
| 4,310 | 2,060      | 1,760 | 1921 | 14,600     | 2,770 |
| 4,340 | 1,990      | 1,510 | 1922 | 15,100     | 2,770 |
| 4,360 | 1,900      | 1,600 | 1923 | 15,200     | 2,770 |
| 4,390 | 1,890      | 1,510 | 1924 | 15,300     | 2,880 |
| 4,420 | 1,850      | 1,510 | 1925 | 15,400     | 2,920 |
| 4,450 | 1,820      | 1,760 | 1926 | 15,500     | 2,920 |
| 4,480 | 1,780      | 1,510 | 1927 | 15,600     | 3,080 |
| 4,510 | 1,740      | 1,780 | 1928 | 15,700     | 2,990 |
| 4,540 | 1,700      | 2,210 | 1929 | 15,800     | 2,990 |
| 4,570 | 1,660      | 2,230 | 1930 | 15,900     | 2,990 |
| 4,600 | 1,630      | 2,230 | 1931 | 16,000     | 2,990 |
| 4,630 | 1,600      | 2,230 | 1932 | 16,100     | 4,460 |
| 4,660 | 1,570      | 2,060 | 1933 | 16,200     | 5,480 |
| 4,690 | 1,540      | 2,060 | 1934 | 16,300     | 5,570 |
| 4,720 | 1,510      | 2,210 | 1935 | 16,400     | 5,890 |
| 4,750 | 1,480      | 2,210 | 1936 | 16,500     | 5,890 |
| 4,780 | 1,450      | 2,210 | 1937 | 16,600     | 5,890 |
| 4,810 | 1,420      | 2,210 | 1938 | 16,700     | 5,890 |
| 4,840 | 1,390      | 2,210 | 1939 | 16,800     | 5,890 |
| 4,870 | 1,360      | 2,210 | 1940 | 16,900     | 5,890 |
| 4,900 | 1,330      | 2,210 | 1941 | 17,000     | 5,890 |
| 4,930 | 1,300      | 2,210 | 1942 | 17,100     | 5,890 |
| 4,960 | 1,270      | 2,210 | 1943 | 17,200     | 5,890 |
| 4,990 | 1,240      | 2,210 | 1944 | 17,300     | 5,890 |
| 5,020 | 1,210      | 2,210 | 1945 | 17,400     | 5,890 |
| 5,050 | 1,180      | 2,210 | 1946 | 17,500     | 5,890 |
| 5,080 | 1,150      | 2,210 | 1947 | 17,600     | 5,890 |
| 5,110 | 1,120      | 2,210 | 1948 | 17,700     | 5,890 |
| 5,140 | 1,090      | 2,210 | 1949 | 17,800     | 5,890 |
| 5,170 | 1,060      | 2,210 | 1950 | 17,900     | 5,890 |
| 5,200 | 1,030      | 2,210 | 1951 | 18,000     | 5,890 |
| 5,230 | 1,000      | 2,210 | 1952 | 18,100     | 5,890 |
| 5,260 | 970        | 2,210 | 1953 | 18,200     | 5,890 |
| 5,290 | 940        | 2,210 | 1954 | 18,300     | 5,890 |
| 5,320 | 910        | 2,210 | 1955 | 18,400     | 5,890 |
| 5,350 | 880        | 2,210 | 1956 | 18,500     | 5,890 |
| 5,380 | 850        | 2,210 | 1957 | 18,600     | 5,890 |
| 5,410 | 820        | 2,210 | 1958 | 18,700     | 5,890 |
| 5,440 | 790        | 2,210 | 1959 | 18,800     | 5,890 |
| 5,470 | 760        | 2,210 | 1960 | 18,900     | 5,890 |
| 5,500 | 730        | 2,210 | 1961 | 19,000     | 5,890 |
| 5,530 | 700        | 2,210 | 1962 | 19,100     | 5,890 |
| 5,560 | 670        | 2,210 | 1963 | 19,200     | 5,890 |
| 5,590 | 640        | 2,210 | 1964 | 19,300     | 5,890 |
| 5,620 | 610        | 2,210 | 1965 | 19,400     | 5,890 |
| 5,650 | 580        | 2,210 | 1966 | 19,500     | 5,890 |
| 5,680 | 550        | 2,210 | 1967 | 19,600     | 5,890 |
| 5,710 | 520        | 2,210 | 1968 | 19,700     | 5,890 |
| 5,740 | 490        | 2,210 | 1969 | 19,800     | 5,890 |
| 5,770 | 460        | 2,210 | 1970 | 19,900     | 5,890 |
| 5,800 | 430        | 2,210 | 1971 | 20,000     | 5,890 |
| 5,830 | 400        | 2,210 | 1972 | 20,100     | 5,890 |
| 5,860 | 370        | 2,210 | 1973 | 20,200     | 5,890 |
| 5,890 | 340        | 2,210 | 1974 | 20,300     | 5,890 |
| 5,920 | 310        | 2,210 | 1975 | 20,400     | 5,890 |
| 5,950 | 280        | 2,210 | 1976 | 20,500     | 5,890 |
| 5,980 | 250        | 2,210 | 1977 | 20,600     | 5,890 |
| 6,010 | 220        | 2,210 | 1978 | 20,700     | 5,890 |
| 6,040 | 190        | 2,210 | 1979 | 20,800     | 5,890 |
| 6,070 | 160        | 2,210 | 1980 | 20,900     | 5,890 |
| 6,100 | 130        | 2,210 | 1981 | 21,000     | 5,890 |
| 6,130 | 100        | 2,210 | 1982 | 21,100     | 5,890 |
| 6,160 | 70         | 2,210 | 1983 | 21,200     | 5,890 |
| 6,190 | 40         | 2,210 | 1984 | 21,300     | 5,890 |
| 6,220 | 10         | 2,210 | 1985 | 21,400     | 5,890 |
| 6,250 |            | 2,210 | 1986 | 21,500     | 5,890 |
| 6,280 |            | 2,210 | 1987 | 21,600     | 5,890 |
| 6,310 |            | 2,210 | 1988 | 21,700     | 5,890 |
| 6,340 |            | 2,210 | 1989 | 21,800     | 5,890 |
| 6,370 |            | 2,210 | 1990 | 21,900     | 5,890 |
| 6,400 |            | 2,210 | 1991 | 22,000     | 5,890 |
| 6,430 |            | 2,210 | 1992 | 22,100     | 5,890 |
| 6,460 |            | 2,210 | 1993 | 22,200     | 5,890 |
| 6,490 |            | 2,210 | 1994 | 22,300     | 5,890 |
| 6,520 |            | 2,210 | 1995 | 22,400     | 5,890 |
| 6,550 |            | 2,210 | 1996 | 22,500     | 5,890 |
| 6,580 |            | 2,210 | 1997 | 22,600     | 5,890 |
| 6,610 |            | 2,210 | 1998 | 22,700     | 5,890 |
| 6,640 |            | 2,210 | 1999 | 22,800     | 5,890 |
| 6,670 |            | 2,210 | 2000 | 22,900     | 5,890 |
| 6,700 |            | 2,210 | 2001 | 23,000     | 5,890 |
| 6,730 |            | 2,210 | 2002 | 23,100     | 5,890 |
| 6,760 |            | 2,210 | 2003 | 23,200     | 5,890 |
| 6,790 |            | 2,210 | 2004 | 23,300     | 5,890 |
| 6,820 |            | 2,210 | 2005 | 23,400     | 5,890 |
| 6,850 |            | 2,210 | 2006 | 23,500     | 5,890 |
| 6,880 |            | 2,210 | 2007 | 23,600     | 5,890 |
| 6,910 |            | 2,210 | 2008 | 23,700     | 5,890 |
| 6,940 |            | 2,210 | 2009 | 23,800     | 5,890 |
| 6,970 |            | 2,210 | 2010 | 23,900     | 5,890 |
| 7,000 |            | 2,210 | 2011 | 24,000     | 5,890 |
| 7,030 |            | 2,210 | 2012 | 24,100     | 5,890 |
| 7,060 |            | 2,210 | 2013 | 24,200     | 5,890 |
| 7,090 |            | 2,210 | 2014 | 24,300     | 5,890 |
| 7,120 |            | 2,210 | 2015 | 24,400     | 5,890 |
| 7,150 |            | 2,210 | 2016 | 24,500     | 5,890 |
| 7,180 |            | 2,210 | 2017 | 24,600     | 5,890 |
| 7,210 |            | 2,210 | 2018 | 24,700     | 5,890 |
| 7,240 |            | 2,210 | 2019 | 24,800     | 5,890 |
| 7,270 |            | 2,210 | 2020 | 24,900     | 5,890 |
| 7,300 |            | 2,210 | 2021 | 25,000     | 5,890 |
| 7,330 |            | 2,210 | 2022 | 25,100     | 5,890 |
| 7,360 |            | 2,210 | 2023 | 25,200     | 5,890 |
| 7,390 |            | 2,210 | 2024 | 25,300     | 5,890 |
| 7,420 |            | 2,210 | 2025 | 25,400     | 5,890 |
| 7,450 |            | 2,210 | 2026 | 25,500     | 5,890 |
| 7,480 |            | 2,210 | 2027 | 25,600     | 5,890 |
| 7,510 |            | 2,210 | 2028 | 25,700     | 5,890 |
| 7,540 |            | 2,210 | 2029 | 25,800     | 5,890 |
| 7,570 |            | 2,210 | 2030 | 25,900     | 5,890 |
| 7,600 |            | 2,210 | 2031 | 26,000     | 5,890 |
| 7,630 |            | 2,210 | 2032 | 26,100     | 5,890 |
| 7,660 |            | 2,210 | 2033 | 26,200     | 5,890 |
| 7,690 |            | 2,210 | 2034 | 26,300     | 5,890 |
| 7,720 |            | 2,210 | 2035 | 26,400     | 5,890 |
| 7,750 |            | 2,210 | 2036 | 26,500     | 5,890 |
| 7,780 |            | 2,210 | 2037 | 26,600     | 5,890 |
| 7,810 |            | 2,210 | 2038 | 26,700     | 5,890 |
| 7,840 |            | 2,210 | 2039 | 26,800     | 5,890 |
| 7,870 |            | 2,210 | 2040 | 26,900     | 5,890 |
| 7,900 |            | 2,210 | 2041 | 27,000     | 5,890 |
| 7,930 |            | 2,210 | 2042 | 27,100     | 5,890 |
| 7,960 |            | 2,210 | 2043 | 27,200     | 5,890 |
| 7,990 |            | 2,210 | 2044 | 27,300     | 5,890 |
| 8,020 |            | 2,210 | 2045 | 27,400     | 5,890 |
| 8,050 |            | 2,210 | 2046 | 27,500     | 5,890 |
| 8,080 |            | 2,210 | 2047 | 27,600     | 5,890 |
| 8,110 |            | 2,210 | 2048 | 27,700     | 5,890 |
| 8,140 |            | 2,210 | 2049 | 27,800     | 5,890 |
| 8,170 |            | 2,210 | 2050 | 27,900     | 5,890 |
| 8,200 |            | 2,210 | 2051 | 28,000     | 5,890 |
| 8,230 |            | 2,210 | 2052 | 28,100     | 5,890 |
| 8,260 |            | 2,210 | 2053 | 28,200     | 5,890 |
| 8,290 |            | 2,210 | 2054 | 28,300     | 5,890 |
| 8,320 |            | 2,210 | 2055 | 28,400     | 5,890 |
| 8,350 |            | 2,210 | 2056 | 28,500     | 5,890 |
| 8,380 |            | 2,210 | 2057 | 28,600     | 5,890 |
| 8,410 |            | 2,210 | 2058 | 28,700     | 5,890 |
| 8,440 |            | 2,210 | 2059 | 28,800     | 5,890 |
| 8,470 |            | 2,210 | 2060 | 28,900     | 5,890 |
| 8,500 |            | 2,210 | 2061 | 29,000     | 5,890 |
| 8,530 |            | 2,210 | 2062 | 29,100     | 5,890 |
| 8,560 |            | 2,210 | 2063 | 29,200     | 5,890 |
| 8,590 |            | 2,210 | 2064 | 29,300     | 5,890 |
| 8,620 |            | 2,210 | 2065 | 29,400     | 5,890 |
| 8,650 |            | 2,210 | 2066 | 29,500     | 5,890 |
| 8,680 |            | 2,210 | 2067 | 29,600     | 5,890 |
| 8,710 |            | 2,210 | 2068 | 29,700     | 5,890 |
| 8,740 |            | 2,210 | 2069 | 29,800     | 5,890 |
| 8,770 |            | 2,210 | 2070 | 29,900     | 5,890 |
| 8,800 |            | 2,210 | 2071 | 30,000     | 5,890 |
| 8,830 |            | 2,210 | 2072 | 30,100     | 5,890 |
| 8,860 |            | 2,210 | 2073 | 30,200     | 5,890 |
| 8,890 |            | 2,210 | 2074 | 30,300     | 5,890 |
| 8,920 |            | 2,210 | 2075 | 30,400     | 5,890 |
| 8,950 |            | 2,210 | 2076 | 30,500     | 5,890 |
| 8,980 |            | 2,210 | 2077 | 30,600     | 5,890 |
| 9,010 |            | 2,210 | 2078 | 30,700     | 5,890 |
| 9,040 |            | 2,210 | 2079 | 30,800     | 5,890 |
| 9,070 |            | 2,210 | 2080 | 30,900     | 5,890 |
| 9,100 |            | 2,210 | 2081 | 31,000     | 5,890 |
| 9,130 |            | 2,210 | 2082 | 31,100     | 5,890 |
| 9,160 |            | 2,210 | 2083 | 31,200     | 5,890 |
| 9,190 |            | 2,210 | 2084 | 31,300     | 5,890 |
| 9,220 |            | 2,210 | 2085 | 31,400     | 5,890 |
| 9,250 |            | 2,210 | 2086 | 31,500     | 5,890 |
| 9,280 |            | 2,210 | 2087 | 31,600     | 5,890 |
| 9,310 |            | 2,210 | 2088 | 31,700     | 5,890 |
| 9,340 |            | 2,210 | 2089 | 31,800     | 5,890 |
| 9,370 |            | 2,210 | 2090 | 31,900     | 5,890 |
| 9,400 |            | 2,210 | 2091 | 32,000     | 5,890 |
| 9,430 |            | 2,210 | 2092 | 32,100     | 5,890 |
| 9,460 |            | 2,210 | 2093 | 32,200     | 5,890 |
| 9,490 |            | 2,210 | 2094 | 32,300     | 5,890 |
| 9,520 |            | 2,210 | 2095 | 32,400     | 5,890 |
| 9,550 |            | 2,210 | 2096 | 32,500     | 5,890 |
| 9,580 |            | 2,210 | 2097 | 32,600     | 5,890 |
| 9,610 |            | 2,210 | 2098 | 32,700     | 5,890 |
| 9,640 |            | 2,210 | 2099 | 32,800     | 5,890 |
| 9,670 |            | 2,210 | 2100 | 32,900     | 5,890 |
| 9,700 |            | 2,210 | 2101 | 33,000     | 5,890 |
| 9,730 |            | 2,210 | 2102 | 33,100     | 5,890 |
| 9,760 |            | 2,210 | 2103 | 33,200     | 5,890 |
| 9,790 |            | 2,210 | 2104 | 33,300     | 5,890 |
| 9,820 |            | 2,210 | 2105 | 33,400     | 5     |







901234  
XIX  
HVA

—KVSIN

ACME-TEST

48,276

66.5

Plate No. 35

| Year   | Mean | 66.5 | Plate No. 35 |
|--------|------|------|--------------|
| 1,500  | 24.3 | 194  | 140          |
| 123    | 3.3  | 170  | 181          |
| 123    | 2.0  | 202  | 11,160       |
| 115    | 2.0  | 56.8 | 8,300        |
| 194    | 3.2  | 10.2 |              |
| 607    | 10.2 |      |              |
| 3,490  | 56.8 |      |              |
| 12,010 | 202  |      |              |
| 10,460 | 170  |      |              |
| 11,160 | 181  |      |              |
| 8,300  | 140  |      |              |

[illegible]



ISLAND PARK RESERVOIR NEAR ISLAND PARK, IDAHO

U. S. GOVERNMENT PRINTING OFFICE 16-40965-1

YEAR  
OR  
HYDROD

MEAN

Acres-Foot

Plate No. 36

| Year | Acres-Foot | Mean | Hydrod |
|------|------------|------|--------|
|      |            |      |        |
|      |            |      |        |
|      |            |      |        |
|      |            |      |        |
|      |            |      |        |
|      |            |      |        |
|      |            |      |        |
|      |            |      |        |
|      |            |      |        |
|      |            |      |        |

| Day | Oct    | Nov    | Dec    | Jan    | Feb     | Mar     | Apr     | May     | June    | July    | Aug    | Sept   |
|-----|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|--------|--------|
| 1   | 33.510 | 33.580 | 48.920 | 88.400 | 110.160 | 130.720 | 133.590 | 137.970 | 137.400 | 110.580 | 85.560 | 85.500 |
| 2   | 33.510 | 33.560 | 50.500 | 65.210 | 90.350  | 111.810 | 131.200 | 134.160 | 136.820 | 107.320 | 85.500 | 85.500 |
| 3   | 33.510 | 33.510 | 51.270 | 65.800 | 91.110  | 112.460 | 131.280 | 134.080 | 136.740 | 105.980 | 85.500 | 85.500 |
| 4   | 33.480 | 33.480 | 52.050 | 66.640 | 91.880  | 113.260 | 131.440 | 133.910 | 137.970 | 104.870 | 85.500 | 85.500 |
| 5   | 33.480 | 33.660 | 52.800 | 67.500 | 92.580  | 113.980 | 131.670 | 133.750 | 138.050 | 103.760 | 85.500 | 85.500 |
| 6   | 33.480 | 33.660 | 52.800 | 67.500 | 93.290  | 114.640 | 131.670 | 133.750 | 138.540 | 102.260 | 85.260 | 85.260 |
| 7   | 33.460 | 33.720 | 53.690 | 68.510 | 93.290  | 114.640 | 131.670 | 133.750 | 139.690 | 100.960 | 85.020 | 85.020 |
| 8   | 33.460 | 33.790 | 54.510 | 69.390 | 94.060  | 115.380 | 131.670 | 133.750 | 140.100 | 100.150 | 84.900 | 84.900 |
| 9   | 33.480 | 33.840 | 55.420 | 70.170 | 94.780  | 116.040 | 131.750 | 133.750 | 141.340 | 98.540  | 84.720 | 84.720 |
| 10  | 33.510 | 33.920 | 56.260 | 70.960 | 95.500  | 116.920 | 131.910 | 133.910 | 141.600 | 97.220  | 84.540 | 84.540 |
| 11  | 33.480 | 34.000 | 56.950 | 71.750 | 96.360  | 117.670 | 131.910 | 134.640 | 141.600 | 97.220  | 84.540 | 84.540 |
| 12  | 33.510 | 34.070 | 57.720 | 72.500 | 97.220  | 118.420 | 132.150 | 134.960 | 141.600 | 96.220  | 84.300 | 84.300 |
| 13  | 33.560 | 34.100 | 58.520 | 73.260 | 97.940  | 119.610 | 132.150 | 135.360 | 141.260 | 95.360  | 83.950 | 83.950 |
| 14  | 33.580 | 34.120 | 59.320 | 74.080 | 98.610  | 120.290 | 132.150 | 136.420 | 140.680 | 94.720  | 83.450 | 83.450 |
| 15  | 33.610 | 34.140 | 60.120 | 74.860 | 99.340  | 120.290 | 132.150 | 138.540 | 140.270 | 94.130  | 82.680 | 82.680 |
| 16  | 33.640 | 35.210 | 60.940 | 75.680 | 100.080 | 121.650 | 132.230 | 140.680 | 140.180 | 93.610  | 81.840 | 81.840 |
| 17  | 33.660 | 36.150 | 61.820 | 76.470 | 100.820 | 122.260 | 132.390 | 140.270 | 140.020 | 93.160  | 80.900 | 80.900 |
| 18  | 33.660 | 37.080 | 62.660 | 77.600 | 101.580 | 123.100 | 132.390 | 140.440 | 140.180 | 92.710  | 79.900 | 79.900 |
| 19  | 33.640 | 38.040 | 63.470 | 78.460 | 102.260 | 123.780 | 132.470 | 139.860 | 140.440 | 92.450  | 78.860 | 78.860 |
| 20  | 33.610 | 39.000 | 64.280 | 79.320 | 102.940 | 124.400 | 132.550 | 139.520 | 140.270 | 91.940  | 77.770 | 77.770 |
| 21  | 33.610 | 40.100 | 64.340 | 80.080 | 103.620 | 125.160 | 132.710 | 139.200 | 140.020 | 91.620  | 76.750 | 76.750 |
| 22  | 33.610 | 41.050 | 64.340 | 80.900 | 104.320 | 125.940 | 132.950 | 139.040 | 140.100 | 91.180  | 75.800 | 75.800 |
| 23  | 33.640 | 41.980 | 64.340 | 81.720 | 105.010 | 126.640 | 133.350 | 138.870 | 139.690 | 90.660  | 74.680 | 74.680 |
| 24  | 33.660 | 42.880 | 64.380 | 82.500 | 105.840 | 127.180 | 133.750 | 138.540 | 139.360 | 90.100  | 73.640 | 73.640 |
| 25  | 33.760 | 43.800 | 64.430 | 83.450 | 106.620 | 127.810 | 133.750 | 138.300 | 139.040 | 89.530  | 72.560 | 72.560 |
| 26  | 33.740 | 44.700 | 64.530 | 84.480 | 107.320 | 128.360 | 133.910 | 137.800 | 138.620 | 88.960  | 71.440 | 71.440 |
| 27  | 33.640 | 45.590 | 64.620 | 85.320 | 108.020 | 128.910 | 133.830 | 137.970 | 138.300 | 88.280  | 70.430 | 70.430 |
| 28  | 33.640 | 46.420 | 64.680 | 85.990 | 108.730 | 129.300 | 133.430 | 137.880 | 138.050 | 87.600  | 69.440 | 69.440 |
| 29  | 33.610 | 47.240 | 64.770 | 86.600 | 109.440 | 129.700 | 133.430 | 138.460 | 137.880 | 87.160  | 68.980 | 68.980 |
| 30  | 33.580 | 48.070 | 64.870 | 87.280 | 130.090 | 129.700 | 133.430 | 138.380 | 137.640 | 86.480  | 68.660 | 68.660 |
| 31  | 33.640 |        | 64.920 | 88.030 |         |         |         | 138.460 |         | 85.750  |        |        |



# HENRY'S FORD NEAR ISLAND PARK, IDAHO

U. S. DEPARTMENT OF AGRICULTURE

YEAR

1935

MEAN

575

417,335

Plate No. 37

|        |        |       |       |      |       |        |        |        |        |        |        |
|--------|--------|-------|-------|------|-------|--------|--------|--------|--------|--------|--------|
| 31,840 | 14,980 | 8,610 | 2,880 | 785  | 2,560 | 23,490 | 60,600 | 80,910 | 68,710 | 67,200 | 54,770 |
| 518    | 252    | 140   | 46.8  | 13.7 | 41.6  | 395    | 986    | 1,360  | 1,117  | 1,093  | 920    |



POINT  
愛愛  
LOVE人

NEW

1,070,560

1,475

Plate No. 38

|        |        |        |        |        |        |        |         |         |         |         |         |
|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 1,276  | 922    | 773    | 706    | 676    | 757    | 1,238  | 2,592   | 3,039   | 2,026   | 1,953   | 1,719   |
| 78,470 | 54,850 | 47,530 | 43,430 | 38,860 | 46,530 | 73,690 | 159,400 | 180,800 | 124,600 | 120,100 | 102,300 |

| Day | Oct  | Nov  | Dec  | Jan | Feb | Mar | Apr  | May  | June | July | Aug  | Sept |
|-----|------|------|------|-----|-----|-----|------|------|------|------|------|------|
| 1   | 1270 | 1200 | 627  | 976 | 676 | 728 | 952  | 1660 | 2720 | 2200 | 2250 | 1540 |
| 2   | 1260 | 1200 | 646  | 988 | 676 | 686 | 1000 | 1680 | 2890 | 2130 | 2200 | 1560 |
| 3   | 1270 | 1190 | 618  | 718 | 608 | 686 | 1040 | 1600 | 2660 | 1970 | 2160 | 1560 |
| 4   | 1300 | 1230 | 608  | 646 | 696 | 728 | 1050 | 1540 | 2550 | 1940 | 1990 | 1540 |
| 5   | 1300 | 1260 | 646  | 553 | 618 | 738 | 1060 | 1500 | 2610 | 1970 | 2300 | 1540 |
| 6   | 1300 | 1210 | 676  | 618 | 665 | 738 | 1050 | 1480 | 2800 | 1970 | 2300 | 1540 |
| 7   | 1280 | 1200 | 656  | 618 | 665 | 707 | 1060 | 1540 | 3440 | 2200 | 2200 | 1500 |
| 8   | 1280 | 1260 | 598  | 665 | 665 | 738 | 1090 | 1640 | 3500 | 2200 | 2200 | 1520 |
| 9   | 1270 | 1280 | 656  | 665 | 676 | 696 | 1160 | 1790 | 3730 | 2180 | 2080 | 1540 |
| 10  | 1260 | 1330 | 656  | 696 | 686 | 749 | 1200 | 1990 | 3730 | 2080 | 1480 | 1480 |
| 11  | 1270 | 1160 | 510  | 686 | 665 | 749 | 1200 | 1990 | 3730 | 2080 | 1480 | 1480 |
| 12  | 1270 | 1140 | 656  | 656 | 676 | 749 | 1190 | 2200 | 3830 | 2110 | 1640 | 1640 |
| 13  | 1300 | 1140 | 646  | 636 | 656 | 749 | 1130 | 2500 | 3630 | 1970 | 1750 | 1750 |
| 14  | 1280 | 904  | 696  | 667 | 656 | 749 | 1170 | 2800 | 3280 | 1770 | 1720 | 1720 |
| 15  | 1270 | 1140 | 707  | 698 | 686 | 760 | 1210 | 3280 | 3250 | 1750 | 2010 | 2010 |
| 16  | 1260 | 836  | 718  | 728 | 707 | 760 | 1300 | 3600 | 3250 | 1700 | 1940 | 1940 |
| 17  | 1260 | 636  | 707  | 738 | 707 | 770 | 1260 | 3630 | 3320 | 1700 | 1970 | 1970 |
| 18  | 1270 | 636  | 696  | 707 | 707 | 792 | 1260 | 3570 | 3570 | 1720 | 1940 | 1940 |
| 19  | 1270 | 636  | 686  | 718 | 707 | 770 | 1260 | 3600 | 3600 | 1660 | 1920 | 1920 |
| 20  | 1270 | 636  | 696  | 718 | 665 | 760 | 1340 | 3540 | 3380 | 1660 | 1900 | 1900 |
| 21  | 1280 | 696  | 940  | 686 | 656 | 760 | 1390 | 3380 | 3100 | 1770 | 1900 | 1900 |
| 22  | 1280 | 646  | 1000 | 665 | 676 | 676 | 1420 | 2920 | 2320 | 1830 | 1900 | 1900 |
| 23  | 1320 | 656  | 1060 | 665 | 676 | 676 | 1450 | 2980 | 2660 | 1810 | 1900 | 1900 |
| 24  | 1330 | 656  | 988  | 665 | 656 | 803 | 1450 | 2980 | 2770 | 1810 | 1900 | 1900 |
| 25  | 1270 | 676  | 964  | 676 | 676 | 792 | 1450 | 2750 | 2450 | 1830 | 1810 | 1810 |
| 26  | 1270 | 656  | 988  | 665 | 618 | 792 | 1450 | 2750 | 2580 | 1830 | 1830 | 1830 |
| 27  | 1270 | 646  | 1040 | 665 | 676 | 781 | 1420 | 2830 | 2450 | 1920 | 1770 | 1770 |
| 28  | 1260 | 646  | 976  | 676 | 686 | 803 | 1400 | 2980 | 2420 | 2010 | 1810 | 1810 |
| 29  | 1260 | 598  | 976  | 676 | 707 | 814 | 1440 | 3160 | 2320 | 2110 | 1420 | 1420 |
| 30  | 1280 | 553  | 964  | 676 | 952 | 964 | 1560 | 2890 | 2250 | 2060 | 1370 | 1370 |
| 31  | 1230 |      |      |     |     |     |      | 2830 | 2320 | 2010 |      |      |







# NORTH FORK SQUIRREL CREEK NEAR SQUIRREL, IDAHO

U. S. GOVERNMENT PRINTING OFFICE 16-50092-1

Year  
1937

Mean  
11.6

8,387

Place No. 60

|       |      |      |      |      |      |      |      |      |      |      |      |     |
|-------|------|------|------|------|------|------|------|------|------|------|------|-----|
| 145   | 2.36 | 3.74 | 1.61 | 1.64 | 1.67 | 1.33 | 7.22 | 43.0 | 49.5 | 13.5 | 6.80 | 373 |
| 223   |      |      |      |      |      |      |      |      |      |      |      |     |
| 99    |      |      |      |      |      |      |      |      |      |      |      |     |
| 101   |      |      |      |      |      |      |      |      |      |      |      |     |
| 96    |      |      |      |      |      |      |      |      |      |      |      |     |
| 82    |      |      |      |      |      |      |      |      |      |      |      |     |
| 430   |      |      |      |      |      |      |      |      |      |      |      |     |
| 2,650 |      |      |      |      |      |      |      |      |      |      |      |     |
| 2,940 |      |      |      |      |      |      |      |      |      |      |      |     |
| 830   |      |      |      |      |      |      |      |      |      |      |      |     |
| 418   |      |      |      |      |      |      |      |      |      |      |      |     |
| 373   |      |      |      |      |      |      |      |      |      |      |      |     |



FALLS RIVER NEAR SQUIRREL, IDAHO

| Year | 1937 | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 | 2101 | 2102 | 2103 | 2104 | 2105 | 2106 | 2107 | 2108 | 2109 | 2110 | 2111 | 2112 | 2113 | 2114 | 2115 | 2116 | 2117 | 2118 | 2119 | 2120 | 2121 | 2122 | 2123 | 2124 | 2125 | 2126 | 2127 | 2128 | 2129 | 2130 | 2131 | 2132 | 2133 | 2134 | 2135 | 2136 | 2137 | 2138 | 2139 | 2140 | 2141 | 2142 | 2143 | 2144 | 2145 | 2146 | 2147 | 2148 | 2149 | 2150 | 2151 | 2152 | 2153 | 2154 | 2155 | 2156 | 2157 | 2158 | 2159 | 2160 | 2161 | 2162 | 2163 | 2164 | 2165 | 2166 | 2167 | 2168 | 2169 | 2170 | 2171 | 2172 | 2173 | 2174 | 2175 | 2176 | 2177 | 2178 | 2179 | 2180 | 2181 | 2182 | 2183 | 2184 | 2185 | 2186 | 2187 | 2188 | 2189 | 2190 | 2191 | 2192 | 2193 | 2194 | 2195 | 2196 | 2197 | 2198 | 2199 | 2200 | 2201 | 2202 | 2203 | 2204 | 2205 | 2206 | 2207 | 2208 | 2209 | 2210 | 2211 | 2212 | 2213 | 2214 | 2215 | 2216 | 2217 | 2218 | 2219 | 2220 | 2221 | 2222 | 2223 | 2224 | 2225 | 2226 | 2227 | 2228 | 2229 | 2230 | 2231 | 2232 | 2233 | 2234 | 2235 | 2236 | 2237 | 2238 | 2239 | 2240 | 2241 | 2242 | 2243 | 2244 | 2245 | 2246 | 2247 | 2248 | 2249 | 2250 | 2251 | 2252 | 2253 | 2254 | 2255 | 2256 | 2257 | 2258 | 2259 | 2260 | 2261 | 2262 | 2263 | 2264 | 2265 | 2266 | 2267 | 2268 | 2269 | 2270 | 2271 | 2272 | 2273 | 2274 | 2275 | 2276 | 2277 | 2278 | 2279 | 2280 | 2281 | 2282 | 2283 | 2284 | 2285 | 2286 | 2287 | 2288 | 2289 | 2290 | 2291 | 2292 | 2293 | 2294 | 2295 | 2296 | 2297 | 2298 | 2299 | 2300 | 2301 | 2302 | 2303 | 2304 | 2305 | 2306 | 2307 | 2308 | 2309 | 2310 | 2311 | 2312 | 2313 | 2314 | 2315 | 2316 | 2317 | 2318 | 2319 | 2320 | 2321 | 2322 | 2323 | 2324 | 2325 | 2326 | 2327 | 2328 | 2329 | 2330 | 2331 | 2332 | 2333 | 2334 | 2335 | 2336 | 2337 | 2338 | 2339 | 2340 | 2341 | 2342 | 2343 | 2344 | 2345 | 2346 | 2347 | 2348 | 2349 | 2350 | 2351 | 2352 | 2353 | 2354 | 2355 | 2356 | 2357 | 2358 | 2359 | 2360 | 2361 | 2362 | 2363 | 2364 | 2365 | 2366 | 2367 | 2368 | 2369 | 2370 | 2371 | 2372 | 2373 | 2374 | 2375 | 2376 | 2377 | 2378 | 2379 | 2380 | 2381 | 2382 | 2383 | 2384 | 2385 | 2386 | 2387 | 2388 | 2389 | 2390 | 2391 | 2392 | 2393 | 2394 | 2395 | 2396 | 2397 | 2398 | 2399 | 2400 | 2401 | 2402 | 2403 | 2404 | 2405 | 2406 | 2407 | 2408 | 2409 | 2410 | 2411 | 2412 | 2413 | 2414 | 2415 | 2416 | 2417 | 2418 | 2419 | 2420 | 2421 | 2422 | 2423 | 2424 | 2425 | 2426 | 2427 | 2428 | 2429 | 2430 | 2431 | 2432 | 2433 | 2434 | 2435 | 2436 | 2437 | 2438 | 2439 | 2440 | 2441 | 2442 | 2443 | 2444 | 2445 | 2446 | 2447 | 2448 | 2449 | 2450 | 2451 | 2452 | 2453 | 2454 | 2455 | 2456 | 2457 | 2458 | 2459 | 2460 | 2461 | 2462 | 2463 | 2464 | 2465 | 2466 | 2467 | 2468 | 2469 | 2470 | 2471 | 2472 | 2473 | 2474 | 2475 | 2476 | 2477 | 2478 | 2479 | 2480 | 2481 | 2482 | 2483 | 2484 | 2485 | 2486 | 2487 | 2488 | 2489 | 2490 | 2491 | 2492 | 2493 | 2494 | 2495 | 2496 | 2497 | 2498 | 2499 | 2500 | 2501 | 2502 | 2503 | 2504 | 2505 | 2506 | 2507 | 2508 | 2509 | 2510 | 2511 | 2512 | 2513 | 2514 | 2515 | 2516 | 2517 | 2518 | 2519 | 2520 | 2521 | 2522 | 2523 | 2524 | 2525 | 2526 | 2527 | 2528 | 2529 | 2530 | 2531 | 2532 | 2533 | 2534 | 2535 | 2536 | 2537 | 2538 | 2539 | 2540 | 2541 | 2542 | 2543 | 2544 | 2545 | 2546 | 2547 | 2548 | 2549 | 2550 | 2551 | 2552 | 2553 | 2554 | 2555 | 2556 | 2557 | 2558 | 2559 | 2560 | 2561 | 2562 | 2563 | 2564 | 2565 | 2566 | 2567 | 2568 | 2569 | 2570 | 2571 | 2572 | 2573 | 2574 | 2575 | 2576 | 2577 | 2578 | 2579 | 2580 | 2581 | 2582 | 2583 | 2584 | 2585 | 2586 | 2587 | 2588 | 2589 | 2590 | 2591 | 2592 | 2593 | 2594 | 2595 | 2596 | 2597 | 2598 | 2599 | 2600 | 2601 | 2602 | 2603 | 2604 | 2605 | 2606 | 2607 | 2608 | 2609 | 2610 | 2611 | 2612 | 2613 | 2614 | 2615 | 2616 | 2617 | 2618 | 2619 | 2620 | 2621 | 2622 | 2623 | 2624 | 2625 | 2626 | 2627 | 2628 | 2629 | 2630 | 2631 | 2632 | 2633 | 2634 | 2635 | 2636 | 2637 | 2638 | 2639 | 2640 | 2641 | 2642 | 2643 | 2644 | 2645 | 2646 | 2647 | 2648 | 2649 | 2650 | 2651 | 2652 | 2653 | 2654 | 2655 | 2656 | 2657 | 2658 | 2659 | 2660 | 2661 | 2662 | 2663 | 2664 | 2665 | 2666 | 2667 | 2668 | 2669 | 2670 | 2671 | 2672 | 2673 | 2674 | 2675 | 2676 | 2677 | 2678 | 2679 | 2680 | 2681 | 2682 | 2683 | 2684 | 2685 | 2686 | 2687 | 2688 | 2689 | 2690 | 2691 | 2692 | 2693 | 2694 | 2695 | 2696 | 2697 | 2698 | 2699 | 2700 | 2701 | 2702 | 2703 | 2704 | 2705 | 2706 | 2707 | 2708 | 2709 | 2710 | 2711 | 2712 | 2713 | 2714 | 2715 | 2716 | 2717 | 2718 | 2719 | 2720 | 2721 | 2722 | 2723 | 2724 | 2725 | 2726 | 2727 | 2728 | 2729 | 2730 | 2731 | 2732 | 2733 | 2734 | 2735 | 2736 | 2737 | 2738 | 2739 | 2740 | 2741 | 2742 | 2743 | 2744 | 2745 | 2746 | 2747 | 2748 | 2749 | 2750 | 2751 | 2752 | 2753 | 2754 | 2755 | 2756 | 2757 | 2758 | 2759 | 2760 | 2761 | 2762 | 2763 | 2764 | 2765 | 2766 | 2767 | 2768 | 2769 | 2770 | 2771 | 2772 | 2773 | 2774 | 2775 | 2776 | 2777 | 2778 | 2779 | 2780 | 2781 | 2782 | 2783 | 2784 | 2785 | 2786 | 2787 | 2788 | 2789 | 2790 | 2791 | 2792 | 2793 | 2794 | 2795 | 2796 | 2797 | 2798 | 2799 | 2800 | 2801 | 2802 | 2803 | 2804 | 2805 | 2806 | 2807 | 2808 | 2809 | 2810 | 2811 | 2812 | 2813 | 2814 | 2815 | 2816 | 2817 | 2818 | 2819 | 2820 | 2821 | 2822 | 2823 | 2824 | 2825 | 2826 | 2827 | 2828 | 2829 | 2830 | 2831 | 2832 | 2833 | 2834 | 2835 | 2836 | 2837 | 2838 | 2839 | 2840 | 2841 | 2842 | 2843 | 2844 | 2845 | 2846 | 2847 | 2848 | 2849 | 2850 | 2851 | 2852 | 2853 | 2854 | 2855 | 2856 | 2857 | 2858 | 2859 | 2860 | 2861 | 2862 | 2863 | 2864 | 2865 | 2866 | 2867 | 2868 | 2869 | 2870 | 2871 | 2872 | 2873 | 2874 | 2875 | 2876 | 2877 | 2878 | 2879 | 2880 | 2881 | 2882 | 2883 | 2884 | 2885 | 2886 | 2887 | 2888 | 2889 | 2890 | 2891 | 2892 | 2893 | 2894 | 2895 | 2896 | 2897 | 2898 | 2899 | 2900 | 2901 | 2902 | 2903 | 2904 | 2905 | 2906 | 2907 | 2908 | 2909 | 2910 | 2911 | 2912 | 2913 | 2914 | 2915 | 2916 | 2917 | 2918 | 2919 | 2920 | 2921 | 2922 | 2923 | 2924 | 2925 | 2926 | 2927 | 2928 | 2929 | 2930 | 2931 | 2932 | 2933 | 2934 | 2935 | 2936 | 2937 | 2938 | 2939 | 2940 | 2941 | 2942 | 2943 | 2944 | 2945 | 2946 | 2947 | 2948 | 2949 | 2950 | 2951 | 2952 | 2953 | 2954 | 2955 | 2956 | 2957 | 2958 | 2959 | 2960 | 2961 | 2962 | 2963 | 2964 | 2965 | 2966 | 2967 | 2968 | 2969 | 2970 | 2971 | 2972 | 2973 | 2974 | 2975 | 2976 | 2977 | 2978 | 2979 | 2980 | 2981 | 2982 | 2983 | 2984 | 2985 | 2986 | 2987 | 2988 | 2989 | 2990 | 2991 | 2992 | 2993 | 2994 | 2995 | 2996 | 2997 | 2998 | 2999 | 3000 | 3001 | 3002 | 3003 | 3004 | 3005 | 3006 | 3007 | 3008 | 3009 | 3010 | 3011 | 3012 | 3013 | 3014 | 3015 | 3016 | 3017 | 3018 | 3019 | 3020 | 3021 | 3022 | 3023 | 3024 | 3025 | 3026 | 3027 | 3028 | 3029 | 3030 | 3031 | 3032 | 3033 | 3034 | 3035 | 3036 | 3037 | 3038 | 3039 | 3040 | 3041 | 3042 | 3043 | 3044 | 3045 | 3046 | 3047 | 3048 | 3049 | 3050 | 3051 | 3052 | 3053 | 3054 | 3055 | 3056 | 3057 | 3058 | 3059 | 3060 | 3061 | 3062 | 3063 | 3064 | 3065 | 3066 | 3067 | 3068 | 3069 | 3070 | 3071 | 3072 | 3073 | 3074 | 3075 | 3076 | 3077 | 3078 | 3079 | 3080 | 3081 | 3082 | 3083 | 3084 | 3085 | 3086 | 3087 | 3088 | 3089 | 3090 | 3091 | 3092 | 3093 | 3094 | 3095 | 3096 | 3097 | 3098 | 3099 | 3100 | 3101 | 3102 | 3103 | 3104 | 3105 | 3106 | 3107 | 3108 | 3109 | 3110 | 3111 | 3112 | 3113 | 3114 | 3115 | 3116 | 3117 | 3118 | 3119 | 3120 | 3121 | 3122 | 3123 | 3124 | 3125 | 3126 | 3127 | 3128 | 3129 | 3130 | 3131 | 3132 | 3133 | 3134 | 3135 | 3136 | 3137 | 3138 | 3139 | 3140 | 3141 | 3142 | 3143 | 3144 | 3145 | 3146 | 3147 | 3148 | 3149 | 3150 | 3151 | 3152 | 3153 | 3154 | 3155 | 3156 | 3157 | 3158 | 3159 | 3160 | 3161 | 3162 | 3163 | 3164 | 3165 | 3166 | 3167 | 3168 | 3169 | 3170 | 3171 | 3172 | 3173 | 3174 | 3175 | 3176 | 3177 | 3178 | 3179 | 3180 | 3181 | 3182 | 3183 | 3184 | 3185 | 3186 | 3187 | 3188 | 3189 | 3190 | 3191 | 3192 | 3193 | 3194 | 3195 | 3196 | 3197 | 3198 | 3199 | 3200 | 3201 | 3202 | 3203 | 3204 | 3205 | 3206 | 3207 | 3208 | 3209 | 3210 | 3211 | 3212 | 3213 | 3214 | 3215 | 3216 | 3217 | 3218 | 3219 | 3220 | 3221 | 3222 | 3223 | 3224 | 3225 | 3226 | 3227 | 3228 | 3229 | 3230 | 3231 | 3232 | 3233 | 3234 | 3235 | 3236 | 3237 | 3238 | 3239 | 3240 | 3241 | 3242 | 3243 | 3244 | 3245 | 3246 | 3247 | 3248 | 3249 | 3250 | 3251 | 3252 | 3253 | 3254 | 3255 | 3256 | 3257 | 3258 | 3259 | 3260 | 3261 | 3262 | 3263 | 3264 | 3265 | 3266 | 3267 | 3268 | 3269 | 3270 | 3271 | 3272 | 3273 | 3274 | 3275 | 3276 | 3277 | 3278 | 3279 | 3280 | 3281 | 3282 | 3283 | 3284 | 3285 | 3286 | 3287 | 3288 | 3289 | 3290 | 3291 | 3292 | 3293 | 3294 | 3295 | 3296 | 3297 | 3298 | 3299 | 3300 | 3301 | 3302 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-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2000

NYKIN

— 447 —

492,250

Plate No. 42

[illegible]



DEAN

Plate No. 43

[illegible]



LETON RIVER ABOVE SOUTH LEIGH CREEK NEAR BRIDGE, IDAHO

U.S. GOVERNMENT PRINTING OFFICE 16-70809-5

FOR  
NAMES  
OF  
COUNTRIES  
AND  
PLACES

MIKAN  
AOMI TREAT  
AOMI TREAT

312,110

Plate No. 48

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | Sep | Oct  | Nov  | Dec  |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|------|------|------|-----|-----|
| 1   | 284 | 284 | 280 | 248 | 190 | 185 | 180 | 165 | 170  | 180  | 180 | 185 | 190 | 240 | 335 | 276 | 339 | 190 | 180 | 165 | 289  | 394  | 394 | 294 | 497  | 1350 | 595  | 442 |     |
| 2   | 284 | 284 | 284 | 302 | 243 | 190 | 180 | 165 | 165  | 180  | 180 | 190 | 190 | 243 | 302 | 284 | 383 | 294 | 170 | 165 | 284  | 383  | 436 | 578 | 1230 | 578  | 442  |     |     |
| 3   | 284 | 284 | 284 | 320 | 240 | 190 | 180 | 165 | 165  | 180  | 180 | 190 | 190 | 240 | 320 | 276 | 383 | 394 | 170 | 165 | 276  | 383  | 436 | 578 | 1230 | 578  | 442  |     |     |
| 4   | 284 | 284 | 284 | 320 | 240 | 190 | 180 | 165 | 165  | 180  | 180 | 190 | 190 | 240 | 320 | 276 | 383 | 394 | 170 | 165 | 276  | 383  | 436 | 578 | 1230 | 578  | 442  |     |     |
| 5   | 280 | 280 | 280 | 335 | 240 | 190 | 180 | 165 | 165  | 180  | 180 | 190 | 190 | 240 | 335 | 276 | 339 | 190 | 180 | 165 | 289  | 394  | 394 | 294 | 497  | 1350 | 595  | 442 |     |
| 6   | 276 | 276 | 276 | 339 | 240 | 190 | 180 | 165 | 165  | 180  | 180 | 190 | 190 | 240 | 339 | 276 | 339 | 190 | 180 | 165 | 289  | 394  | 394 | 294 | 497  | 1350 | 595  | 442 |     |
| 7   | 272 | 272 | 272 | 354 | 235 | 190 | 180 | 165 | 165  | 180  | 180 | 190 | 190 | 235 | 354 | 272 | 354 | 190 | 180 | 165 | 298  | 344  | 344 | 298 | 491  | 1350 | 595  | 442 |     |
| 8   | 268 | 268 | 268 | 330 | 230 | 180 | 180 | 165 | 165  | 180  | 180 | 190 | 190 | 230 | 330 | 272 | 330 | 180 | 180 | 165 | 344  | 344  | 344 | 298 | 491  | 1350 | 595  | 442 |     |
| 9   | 272 | 272 | 272 | 415 | 230 | 185 | 185 | 165 | 165  | 185  | 185 | 190 | 190 | 230 | 415 | 272 | 399 | 185 | 185 | 165 | 409  | 344  | 344 | 344 | 298  | 491  | 1350 | 595 | 442 |
| 10  | 276 | 276 | 276 | 399 | 225 | 185 | 180 | 165 | 165  | 185  | 180 | 190 | 190 | 225 | 399 | 276 | 399 | 185 | 180 | 165 | 409  | 344  | 344 | 344 | 298  | 491  | 1350 | 595 | 442 |
| 11  | 272 | 272 | 272 | 312 | 220 | 180 | 190 | 175 | 175  | 180  | 190 | 190 | 190 | 220 | 312 | 272 | 312 | 180 | 190 | 175 | 420  | 316  | 316 | 316 | 491  | 1350 | 595  | 442 |     |
| 12  | 264 | 264 | 264 | 272 | 220 | 175 | 180 | 160 | 160  | 180  | 180 | 190 | 190 | 220 | 272 | 264 | 272 | 175 | 180 | 160 | 420  | 316  | 316 | 316 | 491  | 1350 | 595  | 442 |     |
| 13  | 280 | 280 | 280 | 268 | 215 | 170 | 170 | 160 | 160  | 170  | 170 | 180 | 180 | 215 | 268 | 280 | 268 | 170 | 170 | 160 | 409  | 325  | 325 | 325 | 491  | 1350 | 595  | 442 |     |
| 14  | 284 | 284 | 284 | 268 | 215 | 170 | 170 | 160 | 160  | 170  | 170 | 180 | 180 | 215 | 268 | 284 | 268 | 170 | 170 | 160 | 409  | 325  | 325 | 325 | 491  | 1350 | 595  | 442 |     |
| 15  | 280 | 280 | 280 | 276 | 215 | 170 | 170 | 160 | 160  | 170  | 170 | 180 | 180 | 215 | 276 | 280 | 276 | 170 | 170 | 160 | 409  | 325  | 325 | 325 | 491  | 1350 | 595  | 442 |     |
| 16  | 268 | 268 | 268 | 298 | 215 | 170 | 180 | 210 | 210  | 180  | 180 | 190 | 190 | 215 | 298 | 268 | 298 | 180 | 180 | 210 | 741  | 619  | 595 | 486 | 486  | 373  | 373  |     |     |
| 17  | 264 | 264 | 264 | 276 | 210 | 185 | 180 | 180 | 180  | 180  | 180 | 180 | 180 | 210 | 276 | 264 | 276 | 180 | 180 | 180 | 601  | 595  | 425 | 425 | 486  | 363  | 363  |     |     |
| 18  | 264 | 256 | 256 | 256 | 210 | 190 | 180 | 180 | 180  | 180  | 180 | 180 | 180 | 210 | 256 | 264 | 256 | 180 | 180 | 180 | 601  | 595  | 425 | 425 | 486  | 363  | 363  |     |     |
| 19  | 256 | 256 | 256 | 256 | 210 | 190 | 180 | 180 | 180  | 180  | 180 | 180 | 180 | 210 | 256 | 264 | 256 | 180 | 180 | 180 | 601  | 595  | 425 | 425 | 486  | 363  | 363  |     |     |
| 20  | 268 | 268 | 268 | 268 | 215 | 200 | 180 | 180 | 180  | 180  | 180 | 180 | 180 | 215 | 268 | 268 | 268 | 180 | 180 | 180 | 607  | 673  | 852 | 852 | 480  | 363  | 363  |     |     |
| 21  | 260 | 260 | 260 | 268 | 220 | 195 | 180 | 180 | 180  | 180  | 180 | 180 | 180 | 220 | 268 | 260 | 268 | 180 | 180 | 180 | 607  | 673  | 852 | 852 | 480  | 363  | 363  |     |     |
| 22  | 260 | 260 | 260 | 260 | 215 | 192 | 180 | 180 | 180  | 180  | 180 | 180 | 180 | 215 | 260 | 260 | 260 | 180 | 180 | 180 | 607  | 673  | 852 | 852 | 480  | 363  | 363  |     |     |
| 23  | 268 | 268 | 268 | 264 | 210 | 180 | 180 | 180 | 180  | 180  | 180 | 180 | 180 | 210 | 264 | 264 | 264 | 180 | 180 | 180 | 607  | 673  | 852 | 852 | 480  | 363  | 363  |     |     |
| 24  | 280 | 280 | 280 | 264 | 205 | 185 | 180 | 180 | 180  | 180  | 180 | 180 | 180 | 205 | 264 | 264 | 264 | 180 | 180 | 180 | 607  | 673  | 852 | 852 | 480  | 363  | 363  |     |     |
| 25  | 260 | 260 | 260 | 260 | 205 | 185 | 180 | 180 | 180  | 180  | 180 | 180 | 180 | 205 | 264 | 264 | 264 | 180 | 180 | 180 | 607  | 673  | 852 | 852 | 480  | 363  | 363  |     |     |
| 26  | 260 | 260 | 260 | 260 | 205 | 190 | 180 | 180 | 180  | 180  | 180 | 180 | 180 | 205 | 264 | 264 | 264 | 180 | 180 | 180 | 607  | 673  | 852 | 852 | 480  | 363  | 363  |     |     |
| 27  | 252 | 252 | 252 | 252 | 200 | 188 | 188 | 188 | 188  | 188  | 188 | 188 | 188 | 200 | 264 | 264 | 264 | 188 | 188 | 188 | 607  | 673  | 852 | 852 | 480  | 363  | 363  |     |     |
| 28  | 252 | 252 | 252 | 252 | 200 | 188 | 188 | 188 | 188  | 188  | 188 | 188 | 188 | 200 | 264 | 264 | 264 | 188 | 188 | 188 | 607  | 673  | 852 | 852 | 480  | 363  | 363  |     |     |
| 29  | 252 | 252 | 252 | 252 | 200 | 188 | 188 | 188 | 188  | 188  | 188 | 188 | 188 | 200 | 264 | 264 | 264 | 188 | 188 | 188 | 607  | 673  | 852 | 852 | 480  | 363  | 363  |     |     |
| 30  | 252 | 252 | 252 | 252 | 200 | 188 | 188 | 188 | 188  | 188  | 188 | 188 | 188 | 200 | 264 | 264 | 264 | 188 | 188 | 188 | 607  | 673  | 852 | 852 | 480  | 363  | 363  |     |     |
| 31  | 252 | 252 | 252 | 252 | 200 | 188 | 188 | 188 | 188  | 188  | 188 | 188 | 188 | 200 | 264 | 264 | 264 | 188 | 188 | 188 | 607  | 673  | 852 | 852 | 480  | 363  | 363  |     |     |



LETON RIVER NEAR ST. ANTHONY, IDAHO

U. S. GOVERNMENT PRINTING OFFICE 16-90000-1

Year  
Month

Mean  
Acres-Foot

658,600  
907

Place No. 45

| Year | Month | Mean | Acres-Foot | Year | Month | Mean | Acres-Foot |
|------|-------|------|------------|------|-------|------|------------|
| 1907 | Jan.  | 325  | 345        | 1908 | Jan.  | 325  | 345        |
| 1907 | Feb.  | 330  | 345        | 1908 | Feb.  | 330  | 345        |
| 1907 | Mar.  | 330  | 345        | 1908 | Mar.  | 330  | 345        |
| 1907 | Apr.  | 330  | 345        | 1908 | Apr.  | 330  | 345        |
| 1907 | May   | 335  | 345        | 1908 | May   | 335  | 345        |
| 1907 | June  | 335  | 345        | 1908 | June  | 335  | 345        |
| 1907 | July  | 335  | 345        | 1908 | July  | 335  | 345        |
| 1907 | Aug.  | 335  | 345        | 1908 | Aug.  | 335  | 345        |
| 1907 | Sept. | 335  | 345        | 1908 | Sept. | 335  | 345        |
| 1907 | Oct.  | 335  | 345        | 1908 | Oct.  | 335  | 345        |
| 1907 | Nov.  | 335  | 345        | 1908 | Nov.  | 335  | 345        |
| 1907 | Dec.  | 335  | 345        | 1908 | Dec.  | 335  | 345        |

| Year | Month | Mean | Acres-Foot | Year | Month | Mean | Acres-Foot |
|------|-------|------|------------|------|-------|------|------------|
| 1907 | Jan.  | 325  | 345        | 1908 | Jan.  | 325  | 345        |
| 1907 | Feb.  | 330  | 345        | 1908 | Feb.  | 330  | 345        |
| 1907 | Mar.  | 330  | 345        | 1908 | Mar.  | 330  | 345        |
| 1907 | Apr.  | 330  | 345        | 1908 | Apr.  | 330  | 345        |
| 1907 | May   | 335  | 345        | 1908 | May   | 335  | 345        |
| 1907 | June  | 335  | 345        | 1908 | June  | 335  | 345        |
| 1907 | July  | 335  | 345        | 1908 | July  | 335  | 345        |
| 1907 | Aug.  | 335  | 345        | 1908 | Aug.  | 335  | 345        |
| 1907 | Sept. | 335  | 345        | 1908 | Sept. | 335  | 345        |
| 1907 | Oct.  | 335  | 345        | 1908 | Oct.  | 335  | 345        |
| 1907 | Nov.  | 335  | 345        | 1908 | Nov.  | 335  | 345        |
| 1907 | Dec.  | 335  | 345        | 1908 | Dec.  | 335  | 345        |



ИЗДАТЕЛЬСТВО

#### APPENDIX IV

2,064

Place No. 45

|      |        |         |        |        |        |        |         |         |         |         |        |        |
|------|--------|---------|--------|--------|--------|--------|---------|---------|---------|---------|--------|--------|
| Mean | 1,361  | 1,697   | 1,283  | 1,236  | 1,223  | 1,287  | 1,989   | 3,645   | 6,757   | 1,865   | 1,121  | 1,366  |
| Age  | 83,700 | 101,000 | 78,860 | 76,030 | 70,350 | 79,160 | 118,400 | 224,100 | 402,100 | 114,700 | 68,910 | 81,260 |

| Year | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19     | 20     | 21     | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 29    | 30    | 31 |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| 1950 | 1.520 | 1.420 | 1.370 | 1.350 | 1.320 | 1.350 | 1.390 | 1.350 | 1.280 | 1.240 | 1.290 | 1.260 | 1.230 | 1.280 | 1.290 | 1.280 | 1.280 | 1.300 | 1.240  | 1.230  | 1.230  | 1.290 | 1.290 | 1.450 | 1.530 | 1.490 | 1.470 | 1.450 | 1.490 | 1.570 |    |
| 1951 | 1.670 | 1.750 | 1.750 | 1.800 | 1.900 | 1.960 | 1.960 | 1.960 | 1.900 | 2.130 | 2.220 | 2.020 | 1.950 | 1.940 | 1.760 | 1.920 | 1.610 | 1.420 | 1.350  | 1.330  | 1.420  | 1.470 | 1.410 | 1.460 | 1.450 | 1.470 | 1.480 | 1.470 | 1.440 | 1.490 |    |
| 1952 | 1.300 | 1.310 | 1.300 | 1.250 | 1.140 | 1.200 | 1.200 | 1.100 | 1.180 | 1.200 | 1.150 | 1.090 | 1.110 | 1.150 | 1.180 | 1.200 | 1.210 | 1.220 | 1.200  | 1.190  | 1.280  | 1.300 | 1.400 | 1.500 | 1.540 | 1.450 | 1.440 | 1.450 | 1.440 | 1.440 |    |
| 1953 | 1.420 | 1.430 | 1.430 | 1.400 | 1.250 | 1.270 | 1.270 | 1.230 | 1.250 | 1.250 | 1.280 | 1.270 | 1.280 | 1.250 | 1.250 | 1.180 | 1.180 | 1.220 | 1.260  | 1.260  | 1.260  | 1.280 | 1.300 | 1.280 | 1.270 | 1.260 | 1.250 | 1.240 | 1.230 | 1.230 |    |
| 1954 | 1.230 | 1.230 | 1.220 | 1.180 | 1.180 | 1.230 | 1.240 | 1.240 | 1.200 | 1.250 | 1.260 | 1.270 | 1.220 | 1.200 | 1.280 | 1.300 | 1.300 | 1.320 | 1.300  | 1.290  | 2.080  | 2.170 | 2.060 | 2.060 | 2.020 | 2.040 | 1.970 | 1.930 | 1.940 | 2.180 |    |
| 1955 | 1.210 | 1.220 | 1.210 | 1.190 | 1.180 | 1.220 | 1.240 | 1.240 | 1.230 | 1.250 | 1.260 | 1.270 | 1.220 | 1.200 | 1.280 | 1.300 | 1.300 | 1.320 | 1.300  | 1.290  | 5.460  | 5.290 | 2.080 | 2.170 | 2.060 | 2.060 | 2.020 | 2.040 | 1.970 | 1.930 |    |
| 1956 | 1.680 | 1.780 | 1.880 | 1.880 | 1.890 | 1.850 | 1.820 | 1.800 | 1.840 | 1.900 | 2.060 | 2.270 | 2.550 | 3.120 | 3.650 | 4.350 | 5.060 | 5.480 | 5.700  | 5.460  | 5.290  | 2.080 | 2.170 | 2.060 | 2.060 | 2.020 | 2.040 | 1.970 | 1.930 | 1.940 |    |
| 1957 | 2.370 | 2.550 | 2.580 | 2.500 | 2.280 | 2.250 | 2.250 | 2.160 | 2.020 | 2.050 | 2.270 | 2.550 | 2.720 | 3.120 | 3.650 | 4.350 | 5.060 | 5.480 | 5.700  | 5.460  | 5.290  | 2.080 | 2.170 | 2.060 | 2.060 | 2.020 | 2.040 | 1.970 | 1.930 | 1.940 |    |
| 1958 | 4.490 | 4.310 | 4.210 | 4.680 | 5.000 | 5.210 | 5.890 | 6.590 | 7.850 | 8.230 | 8.310 | 8.420 | 8.570 | 8.270 | 7.260 | 6.760 | 7.490 | 8.720 | 10.000 | 10.900 | 10.100 | 2.080 | 2.170 | 2.060 | 2.060 | 2.020 | 2.040 | 1.970 | 1.930 | 1.940 |    |
| 1959 | 4.640 | 4.300 | 3.880 | 3.540 | 3.260 | 3.100 | 2.710 | 2.310 | 2.030 | 1.850 | 1.540 | 1.290 | 1.200 | 1.520 | 1.900 | 1.990 | 1.790 | 1.400 | 1.220  | 1.200  | 1.080  | 1.020 | 872   | 902   | 884   | 998   | 974   | 1.010 | 986   | 1.020 |    |
| 1960 | 1.230 | 1.210 | 1.160 | 1.030 | 884   | 746   | 670   | 812   | 1.020 | 1.150 | 1.100 | 1.100 | 1.210 | 1.200 | 1.100 | 1.040 | 1.020 | 1.130 | 1.120  | 1.130  | 1.220  | 1.320 | 1.410 | 1.490 | 1.510 | 1.580 | 1.630 | 1.690 | 1.720 | 1.760 |    |
| 1961 | 1.850 | 1.630 | 1.580 | 1.540 | 1.480 | 1.370 | 1.260 | 1.170 | 1.110 | 1.030 | 998   | 956   | 1.060 | 1.210 | 1.200 | 1.030 | 986   | 1.130 | 1.220  | 1.320  | 1.410  | 1.490 | 1.510 | 1.580 | 1.630 | 1.690 | 1.720 | 1.760 | 1.780 | 1.880 |    |



# SHAKE RIVER NEAR SHELLEY, IDAHO

U. S. GOVERNMENT PRINTING OFFICE 16-60868-1

Year  
Xook  
MAY 1910  
JUN 1910  
JUL 1910  
AUG 1910  
SEPT 1910  
OCT 1910  
NOV 1910  
DEC 1910

Mean  
Xook  
MAY 1910  
JUN 1910  
JUL 1910  
AUG 1910  
SEPT 1910  
OCT 1910  
NOV 1910  
DEC 1910

5,684  
4,126,500  
354,910

Plate No. 47

| Year | 1909    | 1910    | 1911    | 1912    | 1913    | 1914    | 1915    | 1916    | 1917    | 1918    | 1919    | 1920    |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Mean | 1,909   | 2,431   | 2,593   | 2,228   | 2,203   | 2,766   | 6,917   | 14,750  | 16,000  | 8,766   | 4,311   | 3,305   |
| Area | 117,400 | 144,700 | 159,400 | 137,000 | 126,700 | 170,100 | 411,600 | 906,600 | 952,300 | 539,000 | 265,100 | 196,600 |

| Year | 1909  | 1910  | 1911  | 1912  | 1913  | 1914  | 1915   | 1916   | 1917   | 1918   | 1919   | 1920   |
|------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 1    | 2,050 | 2,440 | 2,590 | 2,510 | 2,570 | 2,500 | 2,000  | 2,530  | 2,530  | 2,450  | 2,450  | 2,510  |
| 2    | 1,850 | 2,510 | 2,520 | 2,520 | 2,750 | 2,850 | 2,200  | 2,220  | 2,400  | 2,450  | 3,750  | 12,800 |
| 3    | 1,760 | 2,510 | 2,520 | 2,520 | 2,730 | 2,750 | 2,150  | 2,450  | 3,750  | 13,700 | 10,800 | 16,200 |
| 4    | 1,720 | 2,510 | 2,520 | 2,520 | 2,730 | 2,750 | 2,150  | 2,450  | 3,750  | 13,700 | 10,800 | 16,200 |
| 5    | 1,760 | 2,510 | 2,520 | 2,520 | 2,730 | 2,750 | 2,150  | 2,450  | 3,750  | 13,700 | 10,800 | 16,200 |
| 6    | 1,710 | 2,510 | 2,520 | 2,520 | 2,450 | 2,000 | 2,530  | 4,180  | 4,310  | 13,700 | 13,100 | 15,400 |
| 7    | 1,710 | 2,510 | 2,520 | 2,520 | 2,450 | 2,000 | 2,530  | 4,180  | 4,310  | 13,700 | 13,100 | 15,400 |
| 8    | 1,720 | 2,510 | 2,520 | 2,520 | 2,450 | 2,000 | 2,530  | 4,180  | 4,310  | 13,700 | 13,100 | 15,400 |
| 9    | 1,680 | 2,440 | 2,630 | 2,630 | 2,030 | 2,200 | 2,400  | 4,330  | 4,330  | 16,400 | 15,600 | 8,940  |
| 10   | 1,790 | 2,460 | 2,230 | 2,050 | 2,100 | 2,250 | 2,600  | 4,420  | 4,420  | 16,500 | 17,700 | 7,950  |
| 11   | 1,780 | 2,490 | 2,050 | 2,150 | 2,100 | 2,250 | 2,600  | 4,420  | 4,420  | 16,500 | 17,700 | 7,950  |
| 12   | 1,800 | 2,490 | 2,150 | 2,050 | 2,150 | 2,300 | 2,630  | 4,550  | 4,550  | 16,800 | 19,100 | 9,080  |
| 13   | 1,790 | 2,310 | 2,000 | 2,050 | 2,050 | 2,300 | 2,630  | 4,570  | 4,570  | 17,000 | 19,300 | 8,910  |
| 14   | 1,790 | 2,210 | 1,970 | 1,950 | 1,800 | 2,250 | 2,680  | 6,150  | 6,150  | 17,600 | 18,700 | 7,030  |
| 15   | 1,830 | 2,150 | 2,250 | 1,800 | 2,180 | 2,700 | 6,700  | 17,400 | 17,300 | 17,300 | 7,520  | 4,390  |
| 16   | 1,880 | 2,080 | 2,500 | 1,850 | 2,180 | 2,750 | 7,130  | 15,900 | 18,600 | 18,600 | 8,050  | 4,210  |
| 17   | 1,850 | 2,200 | 2,950 | 1,900 | 2,200 | 2,750 | 7,660  | 15,700 | 21,300 | 21,300 | 8,420  | 3,700  |
| 18   | 1,820 | 2,030 | 2,900 | 2,000 | 2,250 | 2,850 | 9,140  | 15,700 | 23,100 | 23,100 | 7,390  | 3,470  |
| 19   | 1,810 | 1,860 | 2,950 | 2,150 | 2,220 | 2,880 | 10,200 | 15,800 | 23,800 | 23,800 | 6,020  | 3,560  |
| 20   | 1,650 | 1,790 | 2,900 | 2,800 | 2,220 | 3,050 | 10,400 | 16,300 | 23,900 | 23,900 | 5,000  | 3,660  |
| 21   | 1,650 | 1,890 | 2,800 | 2,220 | 2,220 | 3,050 | 10,400 | 16,300 | 23,900 | 23,900 | 5,000  | 3,660  |
| 22   | 1,720 | 2,350 | 2,700 | 2,180 | 2,200 | 3,130 | 10,400 | 16,000 | 23,400 | 23,400 | 4,210  | 3,630  |
| 23   | 1,780 | 2,630 | 2,550 | 2,160 | 2,200 | 3,050 | 10,400 | 15,400 | 22,300 | 22,300 | 4,440  | 3,660  |
| 24   | 1,960 | 2,630 | 2,600 | 2,180 | 2,170 | 2,990 | 10,200 | 13,800 | 18,900 | 18,900 | 5,470  | 3,540  |
| 25   | 2,200 | 2,800 | 2,600 | 2,200 | 2,250 | 990   | 10,300 | 12,300 | 14,100 | 14,100 | 5,410  | 3,320  |
| 26   | 2,400 | 2,800 | 2,700 | 2,200 | 2,200 | 990   | 10,300 | 12,300 | 14,100 | 14,100 | 5,410  | 3,320  |
| 27   | 2,390 | 2,850 | 2,950 | 2,180 | 2,200 | 3,030 | 10,200 | 11,200 | 9,010  | 5,540  | 3,430  | 3,090  |
| 28   | 2,440 | 3,000 | 3,000 | 2,150 | 2,300 | 2,990 | 9,950  | 11,100 | 6,110  | 5,510  | 3,610  | 3,260  |
| 29   | 2,260 | 2,800 | 2,950 | 2,120 | 2,300 | 3,030 | 9,920  | 11,600 | 5,730  | 5,090  | 3,960  | 3,260  |
| 30   | 2,290 | 2,780 | 2,850 | 2,150 | 2,350 | 3,110 | 10,300 | 12,800 | 8,480  | 5,150  | 4,340  | 3,320  |
| 31   | 2,350 | 2,760 | 2,750 | 2,180 | 2,350 | 3,070 | 10,300 | 12,800 | 8,480  | 5,150  | 4,340  | 3,320  |



# BLACKFOOT RIVER NEAR BLACKFOOT, IDAHO

U. S. GOVERNMENT PRINTING OFFICE 16-60096-1

BLACKFOOT RIVER NEAR BLACKFOOT, IDAHO

Year  
Period  
Area-Feet  
Acre-Feet  
Flow-CFS

Mean  
92,470

Place No. 48

| Year | Area-Feet | Flow-CFS | Mean | Place No. |
|------|-----------|----------|------|-----------|
| 114  | 229       | 76.8     | 40.3 | 27.8      |
| 115  | 229       | 76.8     | 40.3 | 27.8      |
| 116  | 229       | 76.8     | 40.3 | 27.8      |
| 117  | 229       | 76.8     | 40.3 | 27.8      |
| 118  | 229       | 76.8     | 40.3 | 27.8      |
| 119  | 229       | 76.8     | 40.3 | 27.8      |
| 120  | 229       | 76.8     | 40.3 | 27.8      |
| 121  | 229       | 76.8     | 40.3 | 27.8      |
| 122  | 229       | 76.8     | 40.3 | 27.8      |
| 123  | 229       | 76.8     | 40.3 | 27.8      |
| 124  | 229       | 76.8     | 40.3 | 27.8      |
| 125  | 229       | 76.8     | 40.3 | 27.8      |
| 126  | 229       | 76.8     | 40.3 | 27.8      |
| 127  | 229       | 76.8     | 40.3 | 27.8      |
| 128  | 229       | 76.8     | 40.3 | 27.8      |
| 129  | 229       | 76.8     | 40.3 | 27.8      |
| 130  | 229       | 76.8     | 40.3 | 27.8      |

| Year | Area-Feet | Flow-CFS | Mean | Place No. |
|------|-----------|----------|------|-----------|
| 114  | 229       | 76.8     | 40.3 | 27.8      |
| 115  | 229       | 76.8     | 40.3 | 27.8      |
| 116  | 229       | 76.8     | 40.3 | 27.8      |
| 117  | 229       | 76.8     | 40.3 | 27.8      |
| 118  | 229       | 76.8     | 40.3 | 27.8      |
| 119  | 229       | 76.8     | 40.3 | 27.8      |
| 120  | 229       | 76.8     | 40.3 | 27.8      |
| 121  | 229       | 76.8     | 40.3 | 27.8      |
| 122  | 229       | 76.8     | 40.3 | 27.8      |
| 123  | 229       | 76.8     | 40.3 | 27.8      |
| 124  | 229       | 76.8     | 40.3 | 27.8      |
| 125  | 229       | 76.8     | 40.3 | 27.8      |
| 126  | 229       | 76.8     | 40.3 | 27.8      |
| 127  | 229       | 76.8     | 40.3 | 27.8      |
| 128  | 229       | 76.8     | 40.3 | 27.8      |
| 129  | 229       | 76.8     | 40.3 | 27.8      |
| 130  | 229       | 76.8     | 40.3 | 27.8      |



10-00000-01 10-00000-01 10-00000-01 10-00000-01 10-00000-01

THE  
MUSEUM  
OF  
THE  
CITY OF  
NEW YORK

▲ 1991年12月  
 ▲ 1992年12月  
 ▲ 1993年12月

21,426

Place No. 49

| Year | Mean | Plate No. 49 |
|------|------|--------------|
| 1955 | 1.17 | 70           |
| 1956 | 12.2 | 751          |
| 1957 | 5.77 | 355          |
| 1958 | 136  | 8,080        |
| 1959 | 176  | 10,840       |
| 1960 | 22.3 | 1,330        |
| 1961 |      |              |
| 1962 |      |              |
| 1963 |      |              |
| 1964 |      |              |
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| 2101 |      |              |
| 2102 |      | </           |

[illegible]



RICHARD CANNAL AT AMERICAN FALLS, IDAHO

SNAKE RIVER NEAR BLACKFOOT, IDAHO

J. S. GILBERT AND J. H. WATSON

44011000

YEAH  
OR  
PENDING

MAY 1971

Agrib-Best 3,392,070

4,673

2017

Plate No. 50

| Year | 747    | 2,574   | 2,503   | 2,038   | 2,131   | 2,685   | 6,715   | 13,920  | 14,820  | 5,200   | 1,545  | 1,252  |
|------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| Ages | 45,920 | 153,200 | 153,900 | 125,300 | 122,600 | 165,100 | 399,600 | 855,600 | 881,600 | 319,700 | 95,030 | 74,520 |

[illegible]



PORTNEUE RIVER AT POCATELLO, IDAHO  
 MONTHLY MEAN WATER AT AMERICAN FALLS, IDAHO

Year  
 186, 210  
 20, 760  
 Mean

Plate No. 51

| Year     | 186, 210 | 20, 760 | Mean |
|----------|----------|---------|------|
| 186, 210 | 127      | 230     | 236  |
| 20, 760  | 232      | 229     | 241  |
| Mean     | 232      | 229     | 241  |
| 186, 210 | 232      | 229     | 241  |
| 20, 760  | 232      | 229     | 241  |
| Mean     | 232      | 229     | 241  |

| Year     | 186, 210 | 20, 760 | Mean |
|----------|----------|---------|------|
| 186, 210 | 127      | 230     | 236  |
| 20, 760  | 232      | 229     | 241  |
| Mean     | 232      | 229     | 241  |
| 186, 210 | 232      | 229     | 241  |
| 20, 760  | 232      | 229     | 241  |
| Mean     | 232      | 229     | 241  |



1. 1990-1991 2. 1992-1993 3. 1994-1995 4. 1996-1997 5. 1998-1999 6. 2000-2001 7. 2002-2003 8. 2004-2005 9. 2006-2007 10. 2008-2009 11. 2010-2011 12. 2012-2013 13. 2014-2015 14. 2016-2017 15. 2018-2019 16. 2020-2021 17. 2022-2023 18. 2024-2025 19. 2026-2027 20. 2028-2029 21. 2030-2031 22. 2032-2033 23. 2034-2035 24. 2036-2037 25. 2038-2039 26. 2040-2041 27. 2042-2043 28. 2044-2045 29. 2046-2047 30. 2048-2049 31. 2050-2051 32. 2052-2053 33. 2054-2055 34. 2056-2057 35. 2058-2059 36. 2060-2061 37. 2062-2063 38. 2064-2065 39. 2066-2067 40. 2068-2069 41. 2070-2071 42. 2072-2073 43. 2074-2075 44. 2076-2077 45. 2078-2079 46. 2080-2081 47. 2082-2083 48. 2084-2085 49. 2086-2087 50. 2088-2089 51. 2090-2091 52. 2092-2093 53. 2094-2095 54. 2096-2097 55. 2098-2099 56. 2100-2101 57. 2102-2103 58. 2104-2105 59. 2106-2107 60. 2108-2109 61. 2110-2111 62. 2112-2113 63. 2114-2115 64. 2116-2117 65. 2118-2119 66. 2120-2121 67. 2122-2123 68. 2124-2125 69. 2126-2127 70. 2128-2129 71. 2130-2131 72. 2132-2133 73. 2134-2135 74. 2136-2137 75. 2138-2139 76. 2140-2141 77. 2142-2143 78. 2144-2145 79. 2146-2147 80. 2148-2149 81. 2150-2151 82. 2152-2153 83. 2154-2155 84. 2156-2157 85. 2158-2159 86. 2160-2161 87. 2162-2163 88. 2164-2165 89. 2166-2167 90. 2168-2169 91. 2170-2171 92. 2172-2173 93. 2174-2175 94. 2176-2177 95. 2178-2179 96. 2180-2181 97. 2182-2183 98. 2184-2185 99. 2186-2187 100. 2188-2189 101. 2190-2191 102. 2192-2193 103. 2194-2195 104. 2196-2197 105. 2198-2199 106. 2200-2201 107. 2202-2203 108. 2204-2205 109. 2206-2207 110. 2208-2209 111. 2210-2211 112. 2212-2213 113. 2214-2215 114. 2216-2217 115. 2218-2219 116. 2220-2221 117. 2222-2223 118. 2224-2225 119. 2226-2227 120. 2228-2229 121. 2230-2231 122. 2232-2233 123. 2234-2235 124. 2236-2237 125. 2238-2239 126. 2240-2241 127. 2242-2243 128. 2244-2245 129. 2246-2247 130. 2248-2249 131. 2250-2251 132. 2252-2253 133. 2254-2255 134. 2256-2257 135. 2258-2259 136. 2260-2261 137. 2262-2263 138. 2264-2265 139. 2266-2267 140. 2268-2269 141. 2270-2271 142. 2272-2273 143. 2274-2275 144. 2276-2277 145. 2278-2279 146. 2280-2281 147. 2282-2283 148. 2284-2285 149. 2286-2287 150. 2288-2289 151. 2290-2291 152. 2292-2293 153. 2294-2295 154. 2296-2297 155. 2298-2299 156. 2300-2301 157. 2302-2303 158. 2304-2305 159. 2306-2307 160. 2308-2309 161. 2310-2311 162. 2312-2313 163. 2314-2315 164. 2316-2317 165. 2318-2319 166. 2320-2321 167. 2322-2323 168. 2324-2325 169. 2326-2327 170. 2328-2329 171. 2330-2331 172. 2332-2333 173. 2334-2335 174. 2336-2337 175. 2338-2339 176. 2340-2341 177. 2342-2343 178. 2344-2345 179. 2346-2347 180. 2348-2349 181. 2350-2351 182. 2352-2353 183. 2354-2355 184. 2356-2357 185. 2358-2359 186. 2360-2361 187. 2362-2363 188. 2364-2365 189. 2366-2367 190. 2368-2369 191. 2370-2371 192. 2372-2373 193. 2374-2375 194. 2376-2377 195. 2378-2379 196. 2380-2381 197. 2382-2383 198. 2384-2385 199. 2386-2387 200. 2388-2389 201. 2390-2391 202. 2392-2393 203. 2394-2395 204. 2396-2397 205. 2398-2399 206. 2400-2401 207. 2402-2403 208. 2404-2405 209. 2406-2407 210. 2408-2409 211. 2410-2411 212. 2412-2413 213. 2414-2415 214. 2416-2417 215. 2418-2419 216. 2420-2421 217. 2422-2423 218. 2424-2425 219. 2426-2427 220. 2428-2429 221. 2430-2431 222. 2432-2433 223. 2434-2435 224. 2436-2437 225. 2438-2439 226. 2440-2441 227. 2442-2443 228. 2444-2445 229. 2446-2447 230. 2448-2449 231. 2450-2451 232. 2452-2453 233. 2454-2455 234. 2456-2457 235. 2458-2459 236. 2460-2461 237. 2462-2463 238. 2464-2465 239. 2466-2467 240. 2468-2469 241. 2470-2471 242. 2472-2473 243. 2474-2475 244. 2476-2477 245. 2478-2479 246. 2480-2481 247. 2482-2483 248. 2484-2485 249. 2486-2487 250. 2488-2489 251. 2490-2491 252. 2492-2493 253. 2494-2495 254. 2496-2497 255. 2498-2499 256. 2500-2501 257. 2502-2503 258. 2504-2505 259. 2506-2507 260. 2508-2509 261. 2510-2511 262. 2512-2513 263. 2514-2515 264. 2516-2517 265. 2518-2519 266. 2520-2521 267. 2522-2523 268. 2524-2525 269. 2526-2527 270. 2528-2529 271. 2530-2531 272. 2532-2533 273. 2534-2535 274. 2536-2537 275. 2538-2539 276. 2540-2541 277. 2542-2543 278. 2544-2545 279. 2546-2547 280. 2548-2549 28

1534

## MYKIN

16,895

Agm. 2

20,760

А.А.А.А.А.

DATE: 4/11/66

PLATE NO. 52

[illegible]

| Year | Mean  | 23.3  | Plate No. 52 |
|------|-------|-------|--------------|
| 1967 | 1.13  | 3.71  | 67.3         |
| 1968 | 17.8  | 90.7  | 96.8         |
| 1969 | 5.580 | 5.950 | 4.010        |
| 1970 | 228   | 1,060 |              |
| 1971 | 67    |       |              |
| 1972 |       |       |              |
| 1973 |       |       |              |
| 1974 |       |       |              |
| 1975 |       |       |              |

[illegible]



404

404

△ 1990 年 11 月 10 日

20,760

MAY 1981

28.6

Plate No. 53

| Year  | Mean | 28.6 | Place No. 53 |
|-------|------|------|--------------|
| 1,410 | 0    | 0    | 59.3         |
| 22.9  | 0    | 0    | 89.2         |
| 0     | 0    | 0    | 114          |
| 0     | 0    | 0    | 5,490        |
| 0     | 0    | 0    | 3,530        |
| 0     | 0    | 0    | 7,000        |
| 0     | 0    | 0    | 2,170        |
| 0     | 0    | 0    | 1,160        |
| 0     | 0    | 0    | 36.5         |
| 0     | 0    | 0    | 18.9         |
| 0     | 0    | 0    | 114          |
| 0     | 0    | 0    | 5,490        |
| 0     | 0    | 0    | 3,530        |
| 0     | 0    | 0    | 7,000        |
| 0     | 0    | 0    | 2,170        |
| 0     | 0    | 0    | 1,160        |
| 0     | 0    | 0    | 36.5         |
| 0     | 0    | 0    | 18.9         |
| 0     | 0    | 0    | 114          |
| 0     | 0    | 0    | 5,490        |
| 0     | 0    | 0    | 3,530        |
| 0     | 0    | 0    | 7,000        |
| 0     | 0    | 0    | 2,170        |
| 0     | 0    | 0    | 1,160        |
| 0     | 0    | 0    | 36.5         |
| 0     | 0    | 0    | 18.9         |
| 0     | 0    | 0    | 114          |
| 0     | 0    | 0    | 5,490        |
| 0     | 0    | 0    | 3,530        |
| 0     | 0    | 0    | 7,000        |
| 0     | 0    | 0    | 2,170        |
| 0     | 0    | 0    | 1,160        |
| 0     | 0    | 0    | 36.5         |
| 0     | 0    | 0    | 18.9         |
| 0     | 0    | 0    | 114          |
| 0     | 0    | 0    | 5,490        |
| 0     | 0    | 0    | 3,530        |
| 0     | 0    | 0    | 7,000        |
| 0     | 0    | 0    | 2,170        |
| 0     | 0    | 0    | 1,160        |
| 0     | 0    | 0    | 36.5         |
| 0     | 0    | 0    | 18.9         |
| 0     | 0    | 0    | 114          |
| 0     | 0    | 0    | 5,490        |
| 0     | 0    | 0    | 3,530        |
| 0     | 0    | 0    | 7,000        |
| 0     | 0    | 0    | 2,170        |
| 0     | 0    | 0    | 1,160        |
| 0     | 0    | 0    | 36.5         |
| 0     | 0    | 0    | 18.9         |
| 0     | 0    | 0    | 114          |
| 0     | 0    | 0    | 5,490        |
| 0     | 0    | 0    | 3,530        |
| 0     | 0    | 0    | 7,000        |
| 0     | 0    | 0    | 2,170        |
| 0     | 0    | 0    | 1,160        |
| 0     | 0    | 0    | 36.5         |
| 0     | 0    | 0    | 18.9         |
| 0     | 0    | 0    | 114          |
| 0     | 0    | 0    | 5,490        |
| 0     | 0    | 0    | 3,530        |
| 0     | 0    | 0    | 7,000        |
| 0     | 0    | 0    | 2,170        |
| 0     | 0    | 0    | 1,160        |
| 0     | 0    | 0    | 36.5         |
| 0     | 0    | 0    | 18.9         |
| 0     | 0    | 0    | 114          |
| 0     | 0    | 0    | 5,490        |
| 0     | 0    | 0    | 3,530        |
| 0     | 0    | 0    | 7,000        |
| 0     | 0    | 0    | 2,170        |
| 0     | 0    | 0    | 1,160        |
| 0     | 0    | 0    | 36.5         |
| 0     | 0    | 0    | 18.9         |
| 0     | 0    | 0    | 114          |
| 0     | 0    | 0    | 5,490        |
| 0     | 0    | 0    | 3,530        |
| 0     | 0    | 0    | 7,000        |
| 0     | 0    | 0    | 2,170        |
| 0     | 0    | 0    | 1,160        |
| 0     | 0    | 0    | 36.5         |
| 0     | 0    | 0    | 18.9         |
| 0     | 0    | 0    | 114          |
| 0     | 0    | 0    | 5,490        |
| 0     | 0    | 0    | 3,530        |
| 0     | 0    | 0    | 7,000        |
| 0     | 0    | 0    | 2,170        |
| 0     | 0    | 0    | 1,160        |
| 0     | 0    | 0    | 36.5         |
| 0     | 0    | 0    | 18.9         |
| 0     | 0    | 0    | 114          |
| 0     | 0    | 0    | 5,490        |
| 0     | 0    | 0    | 3,530        |
| 0     | 0    | 0    | 7,000        |
| 0     | 0    | 0    | 2,170        |
| 0     | 0    | 0    | 1,160        |
| 0     | 0    | 0    | 36.5         |
| 0     | 0    | 0    | 18.9         |
| 0     | 0    | 0    | 114          |
| 0     | 0    | 0    | 5,490        |
| 0     | 0    | 0    | 3,530        |
| 0     | 0    | 0    | 7,000        |
| 0     | 0    | 0    | 2,170        |
| 0     | 0    | 0    | 1,160        |
| 0     | 0    | 0    |              |

[illegible]



## MEAN

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

(contents in thousands of acre-feet)

[illegible]



1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

|         |        |        |        |        |        |         |           |           |         |         |         |
|---------|--------|--------|--------|--------|--------|---------|-----------|-----------|---------|---------|---------|
| 3,723   | 715    | 652    | 1,190  | 1,071  | 1,008  | 7,630   | 17,240    | 17,800    | 13,710  | 12,910  | 9,348   |
| 228,900 | 42,530 | 40,100 | 73,410 | 61,590 | 61,960 | 454,000 | 1,060,000 | 1,059,000 | 842,800 | 794,000 | 556,200 |

Blank 7,265

Plate No. 55

[illegible]



354,910

[illegible]



MAY 1991

081 767 7  
016 45E

687

[illegible]



901541  
2000  
1148 X

## KEY IN

881'9

4,492,380

Plate No. 59

|         |        |        |        |        |        |         |         |         |         |         |         |
|---------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| 2,854   | 1,238  | 1,374  | 1,328  | 1,218  | 1,262  | 6,739   | 14,690  | 16,190  | 10,160  | 9,718   | 7,347   |
| 177,900 | 73,690 | 84,460 | 81,640 | 70,000 | 77,590 | 401,000 | 903,200 | 963,600 | 624,600 | 597,500 | 437,200 |

|    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       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|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--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| 31 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 | 1.430 |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--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Plate No. 60

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WINTER

LAURENCE J. COHEN

MAN IV

Plate No. 61

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1-7500-27 THE/MS VALUING INFORMATION 1 5

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A 624 15-17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 104

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NORTH EIDE CANAL PROJECT IN GOODING CANAL  
NEAR MILNER, IDAHO

MEAN  
YEAR  
332,275

Place No. 65

| Year | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 | 2101 | 2102 | 2103 | 2104 | 2105 | 2106 | 2107 | 2108 | 2109 | 2110 | 2111 | 2112 | 2113 | 2114 | 2115 | 2116 | 2117 | 2118 | 2119 | 2120 | 2121 | 2122 | 2123 | 2124 | 2125 | 2126 | 2127 | 2128 | 2129 | 2130 | 2131 | 2132 | 2133 | 2134 | 2135 | 2136 | 2137 | 2138 | 2139 | 2140 | 2141 | 2142 | 2143 | 2144 | 2145 | 2146 | 2147 | 2148 | 2149 | 2150 | 2151 | 2152 | 2153 | 2154 | 2155 | 2156 | 2157 | 2158 | 2159 | 2160 | 2161 | 2162 | 2163 | 2164 | 2165 | 2166 | 2167 | 2168 | 2169 | 2170 | 2171 | 2172 | 2173 | 2174 | 2175 | 2176 | 2177 | 2178 | 2179 | 2180 | 2181 | 2182 | 2183 | 2184 | 2185 | 2186 | 2187 | 2188 | 2189 | 2190 | 2191 | 2192 | 2193 | 2194 | 2195 | 2196 | 2197 | 2198 | 2199 | 2200 | 2201 | 2202 | 2203 | 2204 | 2205 | 2206 | 2207 | 2208 | 2209 | 2210 | 2211 | 2212 | 2213 | 2214 | 2215 | 2216 | 2217 | 2218 | 2219 | 2220 | 2221 | 2222 | 2223 | 2224 | 2225 | 2226 | 2227 | 2228 | 2229 | 2230 | 2231 | 2232 | 2233 | 2234 | 2235 | 2236 | 2237 | 2238 | 2239 | 2240 | 2241 | 2242 | 2243 | 2244 | 2245 | 2246 | 2247 | 2248 | 2249 | 2250 | 2251 | 2252 | 2253 | 2254 | 2255 | 2256 | 2257 | 2258 | 2259 | 2260 | 2261 | 2262 | 2263 | 2264 | 2265 | 2266 | 2267 | 2268 | 2269 | 2270 | 2271 | 2272 | 2273 | 2274 | 2275 | 2276 | 2277 | 2278 | 2279 | 2280 | 2281 | 2282 | 2283 | 2284 | 2285 | 2286 | 2287 | 2288 | 2289 | 2290 | 2291 | 2292 | 2293 | 2294 | 2295 | 2296 | 2297 | 2298 | 2299 | 2300 | 2301 | 2302 | 2303 | 2304 | 2305 | 2306 | 2307 | 2308 | 2309 | 2310 | 2311 | 2312 | 2313 | 2314 | 2315 | 2316 | 2317 | 2318 | 2319 | 2320 | 2321 | 2322 | 2323 | 2324 | 2325 | 2326 | 2327 | 2328 | 2329 | 2330 | 2331 | 2332 | 2333 | 2334 | 2335 | 2336 | 2337 | 2338 | 2339 | 2340 | 2341 | 2342 | 2343 | 2344 | 2345 | 2346 | 2347 | 2348 | 2349 | 2350 | 2351 | 2352 | 2353 | 2354 | 2355 | 2356 | 2357 | 2358 | 2359 | 2360 | 2361 | 2362 | 2363 | 2364 | 2365 | 2366 | 2367 | 2368 | 2369 | 2370 | 2371 | 2372 | 2373 | 2374 | 2375 | 2376 | 2377 | 2378 | 2379 | 2380 | 2381 | 2382 | 2383 | 2384 | 2385 | 2386 | 2387 | 2388 | 2389 | 2390 | 2391 | 2392 | 2393 | 2394 | 2395 | 2396 | 2397 | 2398 | 2399 | 2400 | 2401 | 2402 | 2403 | 2404 | 2405 | 2406 | 2407 | 2408 | 2409 | 2410 | 2411 | 2412 | 2413 | 2414 | 2415 | 2416 | 2417 | 2418 | 2419 | 2420 | 2421 | 2422 | 2423 | 2424 | 2425 | 2426 | 2427 | 2428 | 2429 | 2430 | 2431 | 2432 | 2433 | 2434 | 2435 | 2436 | 2437 | 2438 | 2439 | 2440 | 2441 | 2442 | 2443 | 2444 | 2445 | 2446 | 2447 | 2448 | 2449 | 2450 | 2451 | 2452 | 2453 | 2454 | 2455 | 2456 | 2457 | 2458 | 2459 | 2460 | 2461 | 2462 | 2463 | 2464 | 2465 | 2466 | 2467 | 2468 | 2469 | 2470 | 2471 | 2472 | 2473 | 2474 | 2475 | 2476 | 2477 | 2478 | 2479 | 2480 | 2481 | 2482 | 2483 | 2484 | 2485 | 2486 | 2487 | 2488 | 2489 | 2490 | 2491 | 2492 | 2493 | 2494 | 2495 | 2496 | 2497 | 2498 | 2499 | 2500 | 2501 | 2502 | 2503 | 2504 | 2505 | 2506 | 2507 | 2508 | 2509 | 2510 | 2511 | 2512 | 2513 | 2514 | 2515 | 2516 | 2517 | 2518 | 2519 | 2520 | 2521 | 2522 | 2523 | 2524 | 2525 | 2526 | 2527 | 2528 | 2529 | 2530 | 2531 | 2532 | 2533 | 2534 | 2535 | 2536 | 2537 | 2538 | 2539 | 2540 | 2541 | 2542 | 2543 | 2544 | 2545 | 2546 | 2547 | 2548 | 2549 | 2550 | 2551 | 2552 | 2553 | 2554 | 2555 | 2556 | 2557 | 2558 | 2559 | 2560 | 2561 | 2562 | 2563 | 2564 | 2565 | 2566 | 2567 | 2568 | 2569 | 2570 | 2571 | 2572 | 2573 | 2574 | 2575 | 2576 | 2577 | 2578 | 2579 | 2580 | 2581 | 2582 | 2583 | 2584 | 2585 | 2586 | 2587 | 2588 | 2589 | 2590 | 2591 | 2592 | 2593 | 2594 | 2595 | 2596 | 2597 | 2598 | 2599 | 2600 | 2601 | 2602 | 2603 | 2604 | 2605 | 2606 | 2607 | 2608 | 2609 | 2610 | 2611 | 2612 | 2613 | 2614 | 2615 | 2616 | 2617 | 2618 | 2619 | 2620 | 2621 | 2622 | 2623 | 2624 | 2625 | 2626 | 2627 | 2628 | 2629 | 2630 | 2631 | 2632 | 2633 | 2634 | 2635 | 2636 | 2637 | 2638 | 2639 | 2640 | 2641 | 2642 | 2643 | 2644 | 2645 | 2646 | 2647 | 2648 | 2649 | 2650 | 2651 | 2652 | 2653 | 2654 | 2655 | 2656 | 2657 | 2658 | 2659 | 2660 | 2661 | 2662 | 2663 | 2664 | 2665 | 2666 | 2667 | 2668 | 2669 | 2670 | 2671 | 2672 | 2673 | 2674 | 2675 | 2676 | 2677 | 2678 | 2679 | 2680 | 2681 | 2682 | 2683 | 2684 | 2685 | 2686 | 2687 | 2688 | 2689 | 2690 | 2691 | 2692 | 2693 | 2694 | 2695 | 2696 | 2697 | 2698 | 2699 | 2700 | 2701 | 2702 | 2703 | 2704 | 2705 | 2706 | 2707 | 2708 | 2709 | 2710 | 2711 | 2712 | 2713 | 2714 | 2715 | 2716 | 2717 | 2718 | 2719 | 2720 | 2721 | 2722 | 2723 | 2724 | 2725 | 2726 | 2727 | 2728 | 2729 | 2730 | 2731 | 2732 | 2733 | 2734 | 2735 | 2736 | 2737 | 2738 | 2739 | 2740 | 2741 | 2742 | 2743 | 2744 | 2745 | 2746 | 2747 | 2748 | 2749 | 2750 | 2751 | 2752 | 2753 | 2754 | 2755 | 2756 | 2757 | 2758 | 2759 | 2760 | 2761 | 2762 | 2763 | 2764 | 2765 | 2766 | 2767 | 2768 | 2769 | 2770 | 2771 | 2772 | 2773 | 2774 | 2775 | 2776 | 2777 | 2778 | 2779 | 2780 | 2781 | 2782 | 2783 | 2784 | 2785 | 2786 | 2787 | 2788 | 2789 | 2790 | 2791 | 2792 | 2793 | 2794 | 2795 | 2796 | 2797 | 2798 | 2799 | 2800 | 2801 | 2802 | 2803 | 2804 | 2805 | 2806 | 2807 | 2808 | 2809 | 2810 | 2811 | 2812 | 2813 | 2814 | 2815 | 2816 | 2817 | 2818 | 2819 | 2820 | 2821 | 2822 | 2823 | 2824 | 2825 | 2826 | 2827 | 2828 | 2829 | 2830 | 2831 | 2832 | 2833 | 2834 | 2835 | 2836 | 2837 | 2838 | 2839 | 2840 | 2841 | 2842 | 2843 | 2844 | 2845 | 2846 | 2847 | 2848 | 2849 | 2850 | 2851 | 2852 | 2853 | 2854 | 2855 | 2856 | 2857 | 2858 | 2859 | 2860 | 2861 | 2862 | 2863 | 2864 | 2865 | 2866 | 2867 | 2868 | 2869 | 2870 | 2871 | 2872 | 2873 | 2874 | 2875 | 2876 | 2877 | 2878 | 2879 | 2880 | 2881 | 2882 | 2883 | 2884 | 2885 | 2886 | 2887 | 2888 | 2889 | 2890 | 2891 | 2892 | 2893 | 2894 | 2895 | 2896 | 2897 | 2898 | 2899 | 2900 | 2901 | 2902 | 2903 | 2904 | 2905 | 2906 | 2907 | 2908 | 2909 | 2910 | 2911 | 2912 | 2913 | 2914 | 2915 | 2916 | 2917 | 2918 | 2919 | 2920 | 2921 | 2922 | 2923 | 2924 | 2925 | 2926 | 2927 | 2928 | 2929 | 2930 | 2931 | 2932 | 2933 | 2934 | 2935 | 2936 | 2937 | 2938 | 2939 | 2940 | 2941 | 2942 | 2943 | 2944 | 2945 | 2946 | 2947 | 2948 | 2949 | 2950 | 2951 | 2952 | 2953 | 2954 | 2955 | 2956 | 2957 | 2958 | 2959 | 2960 | 2961 | 2962 | 2963 | 2964 | 2965 | 2966 | 2967 | 2968 | 2969 | 2970 | 2971 | 2972 | 2973 | 2974 | 2975 | 2976 | 2977 | 2978 | 2979 | 2980 | 2981 | 2982 | 2983 | 2984 | 2985 | 2986 | 2987 | 2988 | 2989 | 2990 | 2991 | 2992 | 2993 | 2994 | 2995 | 2996 | 2997 | 2998 | 2999 | 3000 | 3001 | 3002 | 3003 | 3004 | 3005 | 3006 | 3007 | 3008 | 3009 | 3010 | 3011 | 3012 | 3013 | 3014 | 3015 | 3016 | 3017 | 3018 | 3019 | 3020 | 3021 | 3022 | 3023 | 3024 | 3025 | 3026 | 3027 | 3028 | 3029 | 3030 | 3031 | 3032 | 3033 | 3034 | 3035 | 3036 | 3037 | 3038 | 3039 | 3040 | 3041 | 3042 | 3043 | 3044 | 3045 | 3046 | 3047 | 3048 | 3049 | 3050 | 3051 | 3052 | 3053 | 3054 | 3055 | 3056 | 3057 | 3058 | 3059 | 3060 | 3061 | 3062 | 3063 | 3064 | 3065 | 3066 | 3067 | 3068 | 3069 | 3070 | 3071 | 3072 | 3073 | 3074 | 3075 | 3076 | 3077 | 3078 | 3079 | 3080 | 3081 | 3082 | 3083 | 3084 | 3085 | 3086 | 3087 | 3088 | 3089 | 3090 | 3091 | 3092 | 3093 | 3094 | 3095 | 3096 | 3097 | 3098 | 3099 | 3100 | 3101 | 3102 | 3103 | 3104 | 3105 | 3106 | 3107 | 3108 | 3109 | 3110 | 3111 | 3112 | 3113 | 3114 | 3115 | 3116 | 3117 | 3118 | 3119 | 3120 | 3121 | 3122 | 3123 | 3124 | 3125 | 3126 | 3127 | 3128 | 3129 | 3130 | 3131 | 3132 | 3133 | 3134 | 3135 | 3136 | 3137 | 3138 | 3139 | 3140 | 3141 | 3142 | 3143 | 3144 | 3145 | 3146 | 3147 | 3148 | 3149 | 3150 | 3151 | 3152 | 3153 | 3154 | 3155 | 3156 | 3157 | 3158 | 3159 | 3160 | 3161 | 3162 | 3163 | 3164 | 3165 | 3166 | 3167 | 3168 | 3169 | 3170 | 3171 | 3172 | 3173 | 3174 | 3175 | 3176 | 3177 | 3178 | 3179 | 3180 | 3181 | 3182 | 3183 | 3184 | 3185 | 3186 | 3187 | 3188 | 3189 | 3190 | 3191 | 3192 | 3193 | 3194 | 3195 | 3196 | 3197 | 3198 | 3199 | 3200 | 3201 | 3202 | 3203 | 3204 | 3205 | 3206 | 3207 | 3208 | 3209 | 3210 | 3211 | 3212 | 3213 | 3214 | 3215 | 3216 | 3217 | 3218 | 3219 | 3220 | 3221 | 3222 | 3223 | 3224 | 3225 | 3226 | 3227 | 3228 | 3229 | 3230 | 3231 | 3232 | 3233 | 3234 | 3235 | 3236 | 3237 | 3238 | 3239 | 3240 | 3241 | 3242 | 3243 | 3244 | 3245 | 3246 | 3247 | 3248 | 3249 | 3250 | 3251 | 3252 | 3253 | 3254 | 3255 | 3256 | 3257 | 3258 | 3259 | 3260 | 3261 | 3262 | 3263 | 3264 | 3265 | 3266 | 3267 | 3268 | 3269 | 3270 | 3271 | 3272 | 3273 | 3274 | 3275 | 3276 | 3277 | 3278 | 3279 | 3280 | 3281 | 3282 | 3283 | 3284 | 3285 | 3286 | 3287 | 3288 | 3289 | 3290 | 3291 | 3292 | 3293 | 3294 | 3295 | 3296 | 3297 | 3298 | 3299 | 3300 | 3301 | 3302 | 3303 | 3304 | 3305 | 3306 | 3307 | 3308 | 3309 | 3310 | 3311 | 3312 | 3313 | 3314 | 3315 | 3316 | 3317 | 3318 | 3319 | 3320 | 3321 | 3322 | 3323 | 3324 | 3325 | 3326 | 3327 | 3328 | 3329 | 3330 | 3331 | 3332 | 3333 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-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|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-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|      |   |   |   |   |   |       |        |        |         |        |        |
|------|---|---|---|---|---|-------|--------|--------|---------|--------|--------|
| 15.6 | 0 | 0 | 0 | 0 | 0 | 1,440 | 75,040 | 88,340 | 100,900 | 95,400 | 77,430 |
| 960  | 0 | 0 | 0 | 0 | 0 | 1,440 | 75,040 | 88,340 | 100,900 | 95,400 | 77,430 |

[illegible]







| Sta. | Chk. | Asc. | Dist. | Jan. | Feb. | Mar. | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
|------|------|------|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1    | L810 | 939  | 481   | 3    |      |      |       | 2,060 | 3,630 | 3,650 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 2    | L810 | 932  | 472   | 3    |      |      |       | 2,140 | 3,570 | 3,610 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 3    | L840 | 926  | 475   | 3    |      |      |       | 2,130 | 3,460 | 3,500 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 4    | L900 | 862  | 505   | 3    |      |      |       | 2,140 | 3,490 | 3,530 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 5    | L930 | 769  | 520   | 3    |      |      |       | 2,350 | 3,470 | 3,510 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 6    | L920 | 625  | 526   | 3    |      |      |       | 2,430 | 3,380 | 3,420 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 7    | L870 | 574  | 505   | 3    |      |      |       | 2,670 | 3,360 | 3,400 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 8    | L780 | 583  | 481   | 3    |      |      | 77    | 2,880 | 3,400 | 3,440 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 9    | L740 | 592  | 481   | 3    |      |      | 121   | 2,990 | 3,320 | 3,360 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 10   | L760 | 634  | 468   | 3    |      |      | 190   | 3,140 | 3,270 | 3,310 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 11   | L770 | 610  | 445   | 3    |      |      | 468   | 3,390 | 3,220 | 3,260 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 12   | L800 | 553  | 221   | 3    |      |      | 462   | 3,440 | 3,140 | 3,180 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 13   | L820 | 535  | 76    | 3    |      |      | 462   | 3,480 | 3,080 | 3,120 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 14   | L730 | 520  | 81    | 3    |      |      | 462   | 3,500 | 3,050 | 3,090 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 15   | L650 | 484  | 71    | 3    |      |      | 589   | 3,510 | 3,010 | 3,050 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 16   | L630 | 470  | 70    | 3    |      |      | 694   | 3,640 | 2,900 | 2,940 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 17   | L610 | 499  | 32    | 3    |      |      | 820   | 3,760 | 2,730 | 2,770 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 18   | L620 | 499  | 33    | 3    |      |      | 894   | 3,710 | 2,710 | 2,750 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 19   | L610 | 502  | 33    | 3    |      |      | 1,060 | 3,720 | 2,440 | 2,480 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 20   | L580 | 502  | 33    | 3    |      |      | 1,240 | 3,730 | 2,430 | 2,470 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 21   | L540 | 508  | 33    | 3    |      |      | 1,360 | 3,710 | 2,540 | 2,580 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 22   | L510 | 496  | 33    | 3    |      |      | 1,200 | 3,670 | 2,500 | 2,540 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 23   | L440 | 493  | 33    | 3    |      |      | 1,160 | 3,700 | 2,560 | 2,600 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 24   | L310 | 499  | 33    | 3    |      |      | 1,170 | 3,690 | 2,850 | 2,890 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 25   | L220 | 493  | 33    | 3    |      |      | 1,230 | 3,710 | 3,210 | 3,250 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 26   | L200 | 490  | 33    | 3    |      |      | 1,330 | 3,720 | 3,490 | 3,530 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 27   | L210 | 490  | 33    | 3    |      |      | 1,480 | 3,760 | 3,530 | 3,570 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 28   | L090 | 481  | 33    | 3    |      |      | 1,690 | 3,520 | 3,500 | 3,540 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 29   | L040 | 490  | 33    | 3    |      |      | 1,820 | 3,470 | 3,560 | 3,600 | 3,710 | 3,760 | 3,770 | 3,780 | 3,790 |
| 30   | 988  | 490  | 33    | 3    |      |      |       | 3,580 |       |       |       |       |       |       |       |
| 31   | 968  |      | 33    | 3    |      |      |       |       |       |       |       |       |       |       |       |

|            |        |        |        |     |   |   |        |         |         |         |         |         |
|------------|--------|--------|--------|-----|---|---|--------|---------|---------|---------|---------|---------|
| Mean       | 1,571  | 584    | 192    | 7.1 | 0 | 0 | 682    | 3,209   | 3,113   | 3,881   | 3,786   | 2,987   |
| Asses-ment | 96,590 | 34,750 | 11,810 | 434 | 0 | 0 | 40,560 | 197,300 | 185,200 | 238,700 | 232,800 | 177,800 |

Plate No. 58

1,675

SOUTH SIDE TWIN FALLS CANAL AT MILNER, IDAHO



| Day | Oct | Nov  | Dec  | Jan  | Feb  | Mar  | Apr   | May   | June  | July | Aug | Sept |
|-----|-----|------|------|------|------|------|-------|-------|-------|------|-----|------|
| 1   | 243 | 266  | 1560 | 1640 | 1320 | 1480 | 974   | 8960  | 173   | 177  | 622 | 264  |
| 2   | 246 | 266  | 1520 | 1490 | 1430 | 1470 | 670   | 9150  | 177   | 175  | 494 | 540  |
| 3   | 248 | 269  | 1470 | 1670 | 1430 | 1420 | 606   | 11500 | 305   | 179  | 428 | 536  |
| 4   | 253 | 271  | 1600 | 1440 | 1260 | 1380 | 528   | 12800 | 1650  | 194  | 290 | 347  |
| 5   | 261 | 279  | 1580 | 1110 | 1230 | 1400 | 528   | 13000 | 2470  | 194  | 290 | 252  |
| 6   | 258 | 277  | 1540 | 1560 | 1420 | 1580 | 475   | 13400 | 3250  | 201  | 296 | 247  |
| 7   | 258 | 271  | 1460 | 1450 | 1510 | 1470 | 428   | 13300 | 3640  | 196  | 293 | 242  |
| 8   | 144 | 266  | 1460 | 1260 | 1460 | 1400 | 439   | 12300 | 5050  | 190  | 290 | 249  |
| 9   | 92  | 271  | 1500 | 1520 | 1380 | 1340 | 431   | 11400 | 5500  | 188  | 288 | 254  |
| 10  | 91  | 279  | 1580 | 1450 | 1380 | 1420 | 428   | 10400 | 5420  | 186  | 288 | 259  |
| 11  | 91  | 974  | 1620 | 1400 | 1240 | 1540 | 417   | 10100 | 6380  | 186  | 290 | 261  |
| 12  | 91  | 1460 | 1530 | 1410 | 1430 | 1420 | 410   | 8370  | 7880  | 188  | 299 | 261  |
| 13  | 90  | 1420 | 1540 | 1160 | 1370 | 1320 | 417   | 8580  | 8570  | 188  | 321 | 261  |
| 14  | 90  | 1390 | 1550 | 1200 | 1410 | 1540 | 658   | 8080  | 8560  | 192  | 594 | 261  |
| 15  | 106 | 1360 | 1540 | 1390 | 1370 | 1320 | 780   | 7830  | 8840  | 194  | 472 | 259  |
| 16  | 112 | 1340 | 1560 | 1440 | 1340 | 1520 | 1630  | 8610  | 11000 | 192  | 271 | 259  |
| 17  | 110 | 1340 | 1560 | 1380 | 1280 | 1460 | 7440  | 7420  | 14000 | 190  | 256 | 261  |
| 18  | 109 | 1330 | 1710 | 1400 | 1480 | 1110 | 9620  | 6160  | 15000 | 190  | 252 | 259  |
| 19  | 212 | 1310 | 1850 | 2280 | 1380 | 1670 | 9650  | 4820  | 14400 | 188  | 242 | 259  |
| 20  | 258 | 1290 | 1800 | 3020 | 1470 | 1480 | 9140  | 4160  | 15400 | 188  | 247 | 261  |
| 21  | 248 | 1240 | 1650 | 2220 | 1400 | 1400 | 8740  | 4200  | 17300 | 475  | 247 | 254  |
| 22  | 253 | 1260 | 1720 | 1700 | 1410 | 1400 | 8790  | 4610  | 18400 | 852  | 249 | 256  |
| 23  | 251 | 1270 | 1660 | 1350 | 1430 | 1440 | 9830  | 4150  | 20500 | 248  | 249 | 264  |
| 24  | 256 | 1270 | 1460 | 1230 | 1320 | 1340 | 11300 | 4720  | 19700 | 181  | 254 | 264  |
| 25  | 258 | 1260 | 1450 | 1560 | 1580 | 1230 | 11600 | 4030  | 15800 | 228  | 259 | 254  |
| 26  | 266 | 1430 | 1760 | 1600 | 1480 | 1380 | 10900 | 2450  | 10800 | 290  | 256 | 249  |
| 27  | 264 | 1570 | 1770 | 1490 | 1540 | 1220 | 10800 | 2210  | 3050  | 290  | 254 | 247  |
| 28  | 264 | 1550 | 1740 | 1400 | 1430 | 1470 | 10600 | 1350  | 474   | 719  | 254 | 247  |
| 29  | 264 | 1650 | 1670 | 1330 | 1520 | 1380 | 10200 | 762   | 183   | 1490 | 259 | 249  |
| 30  | 266 | 1620 | 1620 | 1430 | 1270 | 1270 | 9490  | 885   | 175   | 463  | 498 | 249  |
| 31  | 266 |      | 1540 | 1460 | 1240 |      |       | 177   |       | 386  | 551 |      |

|                 |        |        |        |        |        |        |         |         |         |        |        |        |
|-----------------|--------|--------|--------|--------|--------|--------|---------|---------|---------|--------|--------|--------|
| YEAR            | 201    | 1,002  | 1,599  | 1,530  | 1,403  | 1,404  | 4,931   | 7,093   | 8,137   | 303    | 328    | 278    |
| Accum-<br>Value | 12,340 | 59,600 | 98,320 | 94,100 | 80,730 | 86,300 | 293,400 | 436,100 | 484,200 | 18,640 | 20,140 | 16,510 |

SHAKE RIVER AT WILNER, IDAHO

YEAR OF 1958

MEAN 2,342

Accum-Feet 1,700,380

Plate No. 69