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WATER DISTRIBUTION
AND HYDROMETRIC WORK
DISTRICT No. 36
SNAKE RIVER, IDAHO
1949

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INTRODUCTION

The annual water election of District 36 was held in Idaho Falls on March 7, 1949. Lynn Crandall was elected as Watermaster and the following were elected as members of the Committee of Nine:

N. V. Sharp, Chairman; Ival Goslin, Vice-chairman;
Alex Coleman, Leonard Graham, Roy Marquess, A. E.
Stanger, A. K. Van Orden, Chas. Welteroth, and
R. Willis Walker.

Advisory members: L. W. Hastings and John S. Moore.
Secretary: John Lee.

John Lee, Secretary of the Committee since its organization, died during May 1949 and Alex Coleman, member of the Committee, was appointed to succeed him. John S. Moore resigned in the fall of 1949 and was succeeded by James Spofford.

A. E. Stanger resigned as a member of the Committee late in the summer of 1949 and was succeeded by Chas. E. Anderson.

John E. Kelley, former chairman and honorary member of the Committee, died in September 1949.

Important resolutions adopted at the annual meeting included the following:

1. Fixed the stored water transmission loss schedule at the same figures used during recent years, namely 2½% Moran to Heise, 4.4% Heise to Lorenzo, 0.5% Lorenzo to Shelley, 6% Shelley to Blackfoot, 4% Lake to Island Park, 2% Island Park to Warm River, 0.5% Warm river to Ashton.

2. Adopted a budget of \$35,303.32 to cover expenses of operating the District during the ensuing year, of which \$10,000 was estimated would be provided from Federal and State stream gaging funds.

3. Adopted a resolution opposing any and all forms of C.V.A.

4. Adopted a resolution calling on the State Legislature to approve a State Ground-Water Code to protect prior water rights.

Some discussion occurred at the annual meeting regarding the use of Jackson Lake to a limited extent for flood control purposes. The question was raised as to who would stand the shortage if it developed that the reservoir failed to fill as the result of spilling too much water for anticipated floods that did not materialize, whether any such shortage would be charged proportionately to all owners of space in the reservoir or just to the secondary top rights. This question was considered further at a subsequent meeting of the Committee and water-users at which time a number of the owners of bottom rights in Jackson Lake objected to standing any shortage resulting from flood control operation of that reservoir. Mr. John S. Moore, Minidoka Project Superintendent, advised the water-users that, as a legal matter, any such shortages would have to be charged to the top right owners. Accordingly no action was taken by the water-users authorizing the Bureau of Reclamation to make any use of Jackson Lake for flood control purposes.

The members of the Committee of Nine and Mark Kulp, State Reclamation Engineer, were appointed by Governor Robins as the Idaho members of the Idaho-Wyoming Compact Commission to apportion the waters of Snake River between the two states. The joint commissions of the two states, with R. J. Newell as Federal representative and chairman, held several meetings during the year and finally reached an agreement on the main river which still has to be ratified by the legislatures of the two states and by Congress before becoming effective. The Teton Basin situation is not covered by this agreement.

The water-users and the Government reached an agreement during the year on matters relating to Palisades Reservoir, disposal of Government-owned space in American Falls reservoir, and building the Minidoka North Side pumping project. The reports by the Bureau of Reclamation on these matters were presented to appropriate committees of Congress and the projects were favorably recommended to Congress by the Committees but no action was taken thereon by Congress prior to its adjournment in the fall of 1949. Several members of the Committee of Nine, the Watermaster, and other representatives of Snake River Valley interests testified before the joint Senate and House Committees in behalf of the Palisades project.

There was a heavy demand for water during the irrigation season, but the natural flow was fairly well sustained and the supply of stored water was adequate to meet all demands and still leave practically 1,000,000 acre-feet or 35% of capacity as stored water hold-over at the close of the season on September 30. All reservoirs filled and use of stored water began on June 27, American Falls date, which was 10 days earlier than during the previous year.

Water spilled to waste past Milner, in excess of Idaho Power Company rights of about 155,000 acre-feet, amounted to 1,630,000 acre-feet during the year ending September 30, 1949, of which about 90% was spilled prior to the beginning of the irrigation season. The spill after American Falls reservoir filled on June 14 was only about 39,000 acre-feet.

River regulation continued until September 29, when general rains brought an end to the demand for stored water. Total stored water diverted during the season amounted to 1,864,608 acre-feet, about 1% greater than in 1948.

A new gaging station on Snake River below the Palisades dam-site was built by the Bureau of Reclamation as part of its Palisades pre-construction operations, and records of stream flow were started at that point on May 1, 1949. This station will also serve to measure the water released from the Palisades reservoir after it is built.

PERSONNEL

The persons engaged in water distribution during 1949 were as follows:

| | |
|---|---|
| Lynn Crandall | Watermaster and Deputy Com. of Reclamation |
| Henry C. Eagle | Hydr. Engineer and Deputy Watermaster |
| Melvin Luke | Deputy Watermaster and Hydrographer at St. Anthony |
| Oleen Dummer | Hydrographer |
| A. H. Bush | Hydrographer |
| Charlotte M. Elg | Clerk |
| C. Drue Cooper | Deputy Watermaster & Hydrographer, Teton Basin |
| Seth Hansen | Deputy Watermaster, Teton Basin |
| Don Riggs | Deputy Watermaster, Henrys Fork |
| Joe Bohi | Deputy Watermaster, Lower Teton R. |
| Elmer Lenz | Deputy Watermaster, Upper Fall River |
| D. R. Anthony | Deputy Watermaster, Heise Division |
| H. M. Bramwell | Deputy Watermaster, Rigby Division |
| D. W. Dick | Deputy Watermaster, Idaho Falls Division |
| Carl J. Anderson | Deputy Watermaster, Blackfoot Division |
| R. H. Seymour | Deputy Watermaster, Milner Dam |
| F. S. Thomas | Deputy Watermaster, Swan Valley Division |
| Thos. W. Stoddard | Deputy Watermaster, Sheridan Creek |
| J. S. Moore | Supt. Minidoka Project, Bureau of Reclamation |
| A. W. Heath | Supt. Am. Falls Res., Bureau of Reclamation |
| James L. Braman | Supt. Jackson Lake, Bureau of Reclamation |
| S. Geo. Pilcher | Supt. Island Park Res., Bureau of Reclamation |
| J. J. Taylor | Supt. Grassy Lake, Bureau of Reclamation |
| Gage Readers: Foster B. Randall, Chester Isaacs, D. L. Dutton, Mrs. Irvin Siefert, James Fugal, D. R. Anthony, J. T. Hobbs, Jos. H. Bahr, Jr., Paul T. Bolland, T. E. Culley, A. J. Ayers, Wm. Hall, K. Hutchison. | |

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.

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

| Year | Mid-Jan. | | Mid-Feb. | | Mid-Mar. | | Apr. 1 | | Mid-Apr. | |
|--------------------------------------|----------|------|----------|------|----------|------|--------|------|----------|------|
| | S | W | S | W | S | W | S | W | S | W |
| <u>Moran (Snake River)</u> | | | | | | | | | | |
| 1940 | 20 | 4.4 | 31 | 8.1 | 31 | 11.3 | | | 9 | 3.5 |
| 1941 | 23 | 5.5 | 31 | 7.4 | 29 | 9.7 | | | 0 | 0 |
| 1942 | 24 | 5.8 | 33 | 8.4 | 33 | 9.3 | | | 13 | 5.1 |
| 1943 | 37 | 12.5 | 53 | 17.3 | 60 | 20.1 | | | 19 | 8.5 |
| 1944 | 11 | 2.2 | 19 | 4.1 | 29 | 6.6 | | | 14 | 5.1 |
| 1945 | 26 | 6.5 | 39 | 9.2 | 37 | 11.1 | | | 30 | 11.1 |
| 1946 | 27 | 6.2 | 39 | 9.9 | 41 | 11.6 | 31 | 11.2 | 18 | 6.7 |
| 1947 | 27 | 6.0 | 33 | 9.6 | 36 | 11.1 | 31 | 9.8 | 23 | 8.0 |
| 1948 | 22 | 5.4 | 26 | 6.2 | 36 | 8.8 | 37 | 10.5 | 30 | 9.5 |
| 1949 | 34 | 8.3 | 49 | 13.5 | 43 | 14.1 | 40 | 14.5 | 21 | 7.9 |
| Normal | 25 | 6.0 | 35 | 9.1 | 36 | 10.9 | 35 | 11.5 | 23 | 8.4 |
| <u>Moran Canyon (Snake River)</u> | | | | | | | | | | |
| 1940 | 36 | 7.3 | 49 | 12.3 | 61 | 19.5 | | | 52 | 21.7 |
| 1941 | 44 | 11.6 | 53 | 15.3 | 50 | 16.0 | | | 28 | 11.0 |
| 1942 | 36 | 9.6 | 51 | 14.4 | 60 | 18.1 | | | 43 | 16.3 |
| 1943 | 71 | 23.9 | 94 | 33.1 | 96 | 35.7 | | | 68 | 33.7 |
| 1944 | 25 | 5.3 | 35 | 8.6 | 46 | 11.2 | | | 34 | 11.0 |
| 1945 | 34 | 8.8 | 57 | 12.3 | 54 | 19.4 | | | 56 | 20.8 |
| 1946 | 44 | 11.0 | 66 | 18.0 | 64 | 20.9 | 64 | 22.6 | 62 | 25.0 |
| 1947 | 42 | 11.0 | 52 | 15.5 | 78 | 21.9 | 68 | 24.1 | 69 | 25.6 |
| 1948 | 39 | 11.0 | 46 | 12.8 | 60 | 18.3 | 66 | 22.1 | 66 | 22.9 |
| 1949 | 43 | 13.3 | 66 | 19.2 | 69 | 21.3 | 65 | 23.9 | 55 | 21.8 |
| Normal | 41 | 10.1 | 54 | 15.3 | 59 | 18.9 | 66 | 23.2 | 53 | 20.1 |
| <u>Arizona Station (Snake River)</u> | | | | | | | | | | |
| 1940 | 23 | 4.8 | 37 | 9.0 | 42 | 15.0 | | | 24 | 10.9 |
| 1941 | 36 | 8.5 | 49 | 13.6 | 44 | 13.0 | | | 25 | 11.0 |
| 1942 | 29 | 7.8 | 43 | 12.2 | 43 | 13.1 | | | 27 | 10.9 |
| 1943 | 57 | 18.7 | 73 | 25.5 | 89 | 31.7 | | | 49 | 23.7 |
| 1944 | 20 | 4.1 | 29 | 6.5 | 37 | 10.4 | | | 23 | 9.8 |
| 1945 | 29 | 6.9 | 52 | 12.5 | 46 | 15.0 | | | 43 | 15.0 |
| 1946 | 42 | 12.3 | 55 | 16.6 | 61 | 19.3 | 57 | 20.5 | 42 | 17.7 |
| 1947 | 38 | 9.7 | 45 | 13.1 | 51 | 15.8 | 51 | 17.2 | 46 | 17.0 |
| 1948 | 35 | 9.5 | 44 | 11.7 | 55 | 15.5 | 59 | 18.6 | 55 | 19.0 |
| 1949 | 44 | 12.5 | 64 | 18.5 | 63 | 21.1 | 60 | 22.1 | 41 | 17.2 |
| Normal | 36 | 9.0 | 47 | 13.4 | 51 | 16.4 | 57 | 19.6 | 41 | 15.8 |

| Year | Mid-Jan. | | Mid-Feb. | | Mid-Mar. | | April 1 | | Mid-Apr. | |
|---|----------|------|----------|------|----------|------|---------|------|----------|------|
| | S | W | S | W | S | W | S | W | S | W |
| <u>Huckleberry Divide (Snake River)</u> | | | | | | | | | | |
| 1940 | 25 | 5.4 | 40 | 9.9 | 50 | 15.7 | | | 37 | 16.1 |
| 1941 | 40 | 9.6 | 49 | 14.1 | 45 | 13.3 | | | 34 | 12.8 |
| 1942 | 31 | 8.3 | 47 | 13.4 | 48 | 14.5 | | | 36 | 13.8 |
| 1943 | 58 | 19.2 | 79 | 27.3 | 89 | 31.5 | | | 61 | 29.3 |
| 1944 | 25 | 5.8 | 35 | 8.1 | 46 | 12.4 | | | 39 | 13.0 |
| 1945 | 33 | 8.4 | 54 | 13.7 | 52 | 16.8 | | | 53 | 18.1 |
| 1946 | 40 | 11.2 | 55 | 16.2 | 64 | 19.9 | 52 | 20.2 | 49 | 19.1 |
| 1947 | 41 | 11.0 | 47 | 14.0 | 54 | 17.1 | 59 | 18.9 | 55 | 19.2 |
| 1948 | 35 | 8.8 | 44 | 12.2 | 57 | 15.1 | 61 | 18.4 | 59 | 19.5 |
| 1949 | 44 | 13.2 | 71 | 19.7 | 74 | 23.4 | 70 | 24.7 | 52 | 20.9 |
| Normal | 39 | 9.8 | 52 | 14.8 | 57 | 17.9 | 60 | 20.5 | 50 | 18.7 |

| | | | | | | | | | | |
|--|----|------|----|------|----|------|----|------|----|------|
| <u>Snake River Station (Snake River)</u> | | | | | | | | | | |
| 1940 | 27 | 5.9 | 43 | 11.3 | 50 | 16.4 | | | 30 | 14.2 |
| 1941 | 44 | 9.7 | 50 | 12.5 | 47 | 14.1 | | | 26 | 9.3 |
| 1942 | 30 | 8.1 | 44 | 12.8 | 45 | 14.3 | | | 19 | 7.2 |
| 1943 | 61 | 20.2 | 78 | 28.8 | 90 | 32.6 | | | 48 | 25.2 |
| 1944 | 21 | 4.5 | 32 | 7.9 | 38 | 11.1 | | | 27 | 11.6 |
| 1945 | 35 | 9.8 | 61 | 15.2 | 51 | 18.1 | | | 51 | 18.9 |
| 1946 | 42 | 11.8 | 57 | 16.3 | 62 | 19.9 | 58 | 20.8 | 44 | 17.4 |
| 1947 | 44 | 11.1 | 48 | 14.5 | 57 | 17.8 | 58 | 19.7 | 55 | 20.1 |
| 1948 | 35 | 10.1 | 43 | 12.2 | 64 | 17.7 | 67 | 20.7 | 61 | 20.4 |
| 1949 | 47 | 14.3 | 70 | 20.1 | 82 | 25.0 | 77 | 26.8 | 56 | 23.3 |
| Normal | 40 | 9.8 | 53 | 15.0 | 57 | 18.4 | 65 | 22.0 | 45 | 18.2 |

| | | | | | | | | | | |
|--|-----|------|-----|------|-----|------|-----|------|-----|------|
| <u>Lewis Lake Divide (Snake River)</u> | | | | | | | | | | |
| 1940 | 39 | 9.9 | 58 | 16.4 | 87 | 30.0 | | | 89 | 37.2 |
| 1941 | 64 | 19.2 | 77 | 26.8 | 75 | 28.5 | | | 64 | 27.6 |
| 1942 | 55 | 16.7 | 79 | 25.4 | 80 | 28.6 | | | 64 | 28.5 |
| 1943 | 109 | 42.0 | 140 | 55.4 | 155 | 62.6 | | | 118 | 62.5 |
| 1944 | 40 | 10.1 | 64 | 16.3 | 74 | 24.4 | | | 66 | 25.6 |
| 1945 | 52 | 13.5 | 90 | 26.0 | 84 | 29.9 | | | 87 | 33.3 |
| 1946 | 78 | 28.8 | 105 | 38.1 | 116 | 44.1 | 115 | 46.4 | 105 | 45.6 |
| 1947 | 92 | 32.9 | 101 | 39.1 | 120 | 47.9 | 126 | 48.9 | 117 | 49.6 |
| 1948 | 59 | 19.1 | 68 | 23.5 | 100 | 31.8 | 105 | 37.4 | 102 | 40.9 |
| 1949 | 73 | 25.3 | 120 | 39.7 | 131 | 47.3 | 130 | 52.1 | 102 | 47.1 |
| Normal | 69 | 20.7 | 92 | 30.6 | 102 | 37.7 | 119 | 46.2 | 97 | 41.5 |

| | | | | | | | | | | |
|----------------------------------|----|------|-----|------|-----|------|-----|------|----|------|
| <u>Aster Creek (Snake River)</u> | | | | | | | | | | |
| 1940 | 27 | 5.9 | 37 | 11.4 | 62 | 19.6 | | | 40 | 18.2 |
| 1941 | 49 | 12.7 | 57 | 17.5 | 49 | 16.1 | | | 49 | 18.6 |
| 1942 | 43 | 13.2 | 60 | 18.0 | 64 | 21.1 | | | 48 | 19.1 |
| 1943 | 77 | 27.0 | 119 | 46.4 | 130 | 50.5 | | | 98 | 51.0 |
| 1944 | 29 | 6.7 | 45 | 11.6 | 61 | 18.3 | | | 54 | 20.1 |
| 1945 | 36 | 9.1 | 63 | 16.4 | 64 | 19.2 | | | 67 | 21.9 |
| 1946 | 59 | 19.6 | 79 | 27.9 | 91 | 33.0 | 90 | 33.7 | 81 | 34.7 |
| 1947 | 74 | 23.4 | 78 | 29.6 | 92 | 35.3 | 97 | 36.2 | 88 | 36.7 |
| 1948 | 42 | 12.0 | 54 | 15.8 | 79 | 22.7 | 83 | 27.2 | 81 | 30.0 |
| 1949 | 60 | 18.2 | 101 | 30.7 | 109 | 38.6 | 109 | 41.5 | 85 | 36.9 |
| Normal | 52 | 14.3 | 67 | 21.8 | 76 | 26.8 | 95 | 34.7 | 72 | 29.4 |

| Year | Mid-Jan. | | Mid-Feb. | | Mid-Mar. | | April 1 | | Mid-Apr. | |
|-----------------------------------|----------|------|----------|------|----------|------|---------|------|----------|------|
| | S | W | S | W | S | W | S | W | S | W |
| <u>Colter Creek (Snake River)</u> | | | | | | | | | | |
| 1940 | 27 | 5.5 | 42 | 11.3 | 52 | 17.6 | | | 35 | 15.7 |
| 1941 | 45 | 10.7 | 52 | 13.8 | 49 | 14.8 | | | 35 | 15.7 |
| 1942 | 35 | 8.1 | 51 | 11.8 | 49 | 14.6 | | | 31 | 12.6 |
| 1943 | 68 | 24.1 | 94 | 33.7 | 97 | 36.4 | | | 69 | 34.4 |
| 1944 | 32 | 6.5 | 45 | 9.6 | 58 | 13.8 | | | 39 | 13.2 |
| 1945 | 36 | 8.1 | 69 | 16.4 | 58 | 20.9 | | | 63 | 23.6 |
| 1946 | 46 | 12.9 | 65 | 18.5 | 63 | 21.7 | 60 | 22.5 | 56 | 22.5 |
| 1947 | 48 | 12.0 | 57 | 19.9 | 71 | 23.7 | - | - | 60 | 24.2 |
| 1948 | 37 | 9.8 | 45 | 12.3 | 57 | 15.2 | - | - | 67 | 22.4 |
| 1949 | 43 | 13.0 | 73 | 20.1 | 81 | 25.5 | | | 62 | 25.5 |
| Normal | 45 | 11.2 | 58 | 16.7 | 63 | 20.3 | | | 53 | 21.0 |

| <u>Glade Creek (Snake River)</u> | | | | | | | | | | |
|----------------------------------|----|------|----|------|----|------|----|------|----|------|
| 1940 | 29 | 7.5 | 49 | 11.8 | 57 | 21.4 | | | 47 | 21.0 |
| 1941 | 46 | 13.2 | 60 | 16.7 | 52 | 16.4 | | | 43 | 15.3 |
| 1942 | 32 | 8.7 | 47 | 13.8 | 51 | 16.3 | | | 31 | 12.6 |
| 1943 | 64 | 21.4 | 88 | 31.8 | 96 | 36.0 | | | 69 | 34.9 |
| 1944 | 25 | 4.9 | 35 | 8.4 | 48 | 13.4 | | | 42 | 13.4 |
| 1945 | 36 | 9.8 | 62 | 16.6 | 53 | 18.0 | | | 54 | 19.9 |
| 1946 | 46 | 14.1 | 64 | 18.9 | 70 | 22.0 | 67 | 24.4 | 62 | 24.2 |
| 1947 | 47 | 12.7 | 53 | 16.9 | 64 | 21.5 | 74 | 23.6 | 64 | 22.7 |
| 1948 | 39 | 11.3 | 47 | 14.3 | 67 | 19.8 | 72 | 23.1 | 68 | 23.6 |
| 1949 | 50 | 15.0 | 77 | 23.5 | 85 | 27.1 | 80 | 29.0 | 65 | 27.1 |
| Normal | 46 | 11.7 | 60 | 17.5 | 66 | 21.4 | 73 | 25.0 | 57 | 22.7 |

| Year | Feb. 1-6 | | Mar. 23-29 | |
|---------------------------------------|----------|------|------------|------|
| | S | W | S | W |
| <u>Turpin Meadows (Buffalo River)</u> | | | | |
| 1940 | 24 | 5.0 | 24 | 7.3 |
| 1941 | 27 | 6.0 | 27 | 8.5 |
| 1942 | 27 | 6.1 | 31 | 7.6 |
| 1943 | 50 | 15.2 | 56 | 19.9 |
| 1944 | 18 | 3.5 | 29 | 7.2 |
| 1945 | 28 | 6.0 | 37 | 8.6 |
| 1946 | 35 | 7.2 | 34 | 9.4 |
| 1947 | 31 | 7.7 | 32 | 8.8 |
| 1948 | 31 | 7.5 | 42 | 10.0 |
| 1949 | 36 | 9.2 | 37 | 12.3 |
| Normal | 28 | 6.5 | 35 | 10.1 |

| <u>Four Mile Meadows (Buffalo River)</u> | | | | |
|--|----|------|----|------|
| 1940 | 25 | 5.4 | 32 | 9.7 |
| 1941 | 33 | 7.0 | 39 | 11.6 |
| 1942 | 32 | 6.8 | 39 | 9.4 |
| 1943 | 57 | 16.7 | 62 | 21.1 |
| 1944 | 30 | 5.5 | 41 | 9.4 |
| 1945 | 37 | 8.6 | 48 | 13.0 |
| 1946 | 42 | 9.6 | 45 | 13.4 |
| 1947 | 40 | 10.0 | 48 | 12.8 |
| 1948 | 34 | 8.6 | 48 | 12.3 |
| 1949 | 40 | 10.0 | 50 | 15.1 |
| Normal | 33 | 7.9 | 44 | 12.7 |

| Year | Feb. 1-6 | | Mar. 23-29 | |
|-----------------------------------|----------|------|------------|------|
| | S | W | S | W |
| <u>Black Rock (Buffalo River)</u> | | | | |
| 1940 | 32 | 7.0 | 47 | 14.1 |
| 1941 | 41 | 10.8 | 55 | 17.5 |
| 1942 | 43 | 10.8 | 56 | 15.7 |
| 1943 | 79 | 26.6 | 80 | 34.6 |
| 1944 | 39 | 9.1 | 60 | 16.0 |
| 1945 | 39 | 10.0 | 62 | 19.3 |
| 1946 | 62 | 15.3 | 66 | 22.9 |
| 1947 | 63 | 19.2 | 76 | 28.2 |
| 1948 | 48 | 14.3 | 69 | 20.3 |
| 1949 | 52 | 15.7 | 72 | 23.6 |
| Normal | 44 | 11.7 | 64 | 21.1 |

| | | | | |
|---------------------------------------|----|------|-----|------|
| <u>Twogwotee Pass (Buffalo River)</u> | | | | |
| 1940 | 35 | 7.9 | 55 | 16.9 |
| 1941 | 45 | 13.3 | 62 | 20.8 |
| 1942 | 52 | 13.9 | 64 | 20.7 |
| 1943 | 94 | 32.3 | 100 | 43.2 |
| 1944 | 53 | 13.3 | 71 | 20.4 |
| 1945 | 48 | 13.4 | 69 | 26.1 |
| 1946 | 70 | 19.7 | 78 | 28.8 |
| 1947 | 76 | 23.7 | 86 | 33.3 |
| 1948 | 56 | 17.6 | 81 | 27.4 |
| 1949 | 64 | 20.9 | 90 | 32.1 |
| Normal | 59 | 18.1 | 77 | 27.2 |

| | Jan. 1 | | Feb. 1 | | Mar. 1 | | Apr. 1 | |
|--|--------|-----|--------|------|--------|------|--------|------|
| | S | W | S | W | S | W | S | W |
| <u>Valley View Ranch (Henrys Fork)</u> | | | | | | | | |
| 1940 | 8 | 0.7 | 21 | 4.0 | 33 | 7.8 | 31 | 10.1 |
| 1941 | 20 | 2.9 | - | - | - | - | 32 | 9.3 |
| 1942 | 21 | 4.0 | - | - | - | - | 38 | 10.9 |
| 1943 | 31 | 6.5 | - | - | - | - | 58 | 21.1 |
| 1944 | 14 | 2.6 | -- | - | - | - | 41 | 10.5 |
| 1945 | 22 | 2.8 | - | - | - | - | 38 | 10.0 |
| 1946 | 34 | 7.2 | - | - | 46 | 12.4 | 50 | 15.5 |
| 1947 | 37 | 8.8 | 43 | 11.2 | 49 | 13.4 | 46 | 14.3 |
| 1948 | 26 | 4.7 | 32 | 6.6 | 39 | 8.8 | 50 | 12.8 |
| 1949 | 33 | 8.0 | 42 | 10.7 | 60 | 17.3 | 56 | 18.8 |
| Normal | 24 | 4.6 | 34 | 8.1 | 45 | 11.9 | 46 | 14.2 |

| | | | | | | | | |
|----------------------------------|----|------|----|------|----|------|----|------|
| <u>Big Springs (Henrys Fork)</u> | | | | | | | | |
| 1940 | 11 | 0.9 | 27 | 6.1 | 46 | 11.9 | 41 | 14.0 |
| 1941 | 34 | 6.0 | 46 | 11.2 | 47 | 13.0 | 45 | 14.2 |
| 1942 | 30 | 5.1 | 47 | 10.4 | 55 | 15.4 | 48 | 16.0 |
| 1943 | 53 | 12.9 | 82 | 23.9 | 87 | 29.6 | 76 | 30.0 |
| 1944 | 11 | 1.6 | 29 | 6.1 | 48 | 12.0 | 52 | 15.2 |
| 1945 | 26 | 3.6 | 30 | 7.0 | 49 | 13.3 | 54 | 16.4 |
| 1946 | 47 | 9.9 | 54 | 13.6 | 60 | 18.7 | 65 | 23.2 |
| 1947 | 44 | 12.3 | 52 | 15.0 | 58 | 17.5 | 58 | 20.7 |
| 1948 | 32 | 7.4 | 39 | 10.1 | 48 | 13.2 | 59 | 18.1 |
| 1949 | 43 | 11.3 | 53 | 15.1 | 77 | 26.4 | 75 | 27.8 |
| Normal | 31 | 6.7 | 47 | 11.8 | 58 | 17.3 | 59 | 20.0 |

| | Jan. 1 | | Feb. 1 | | Mar. 1 | | April 1 | |
|-----------------------------------|--------|-----|--------|------|--------|------|---------|------|
| | S | W | S | W | S | W | S | W |
| <u>Island Park (Henry's Fork)</u> | | | | | | | | |
| 1940 | 10 | 1.0 | 27 | 5.1 | 41 | 10.9 | 35 | 11.7 |
| 1941 | 28 | 4.1 | 38 | 8.4 | 40 | 10.3 | 32 | 9.6 |
| 1942 | 29 | 4.9 | 42 | 9.7 | 47 | 12.5 | 41 | 13.1 |
| 1943 | 42 | 9.8 | 70 | 19.1 | 70 | 23.3 | 59 | 20.6 |
| 1944 | 11 | 1.0 | 24 | 3.6 | 39 | 8.3 | 43 | 11.7 |
| 1945 | 22 | 3.1 | 26 | 5.2 | 42 | 10.5 | 35 | 11.3 |
| 1946 | 36 | 8.0 | 45 | 10.2 | 53 | 14.4 | 50 | 17.1 |
| 1947 | 37 | 8.9 | 42 | 10.6 | 47 | 13.8 | 46 | 15.1 |
| 1948 | 26 | 5.6 | 31 | 8.0 | 44 | 10.2 | 49 | 13.8 |
| 1949 | 37 | 8.4 | 43 | 11.6 | 66 | 21.8 | 66 | 22.5 |
| Normal | 27 | 5.2 | 40 | 9.3 | 50 | 13.7 | 46 | 14.8 |

| <u>Grassy Lake (Fall River)</u> | | | | | | | | |
|---------------------------------|----|------|-----|------|-----|------|-----|------|
| 1940 | 34 | 13.3 | 50 | 21.5 | 78 | 32.6 | 66 | 33.0 |
| 1941 | 61 | 18.2 | 72 | 23.7 | 75 | 27.5 | 64 | 23.9 |
| 1942 | 40 | 13.2 | 52 | 16.9 | 71 | 23.6 | 66 | 23.9 |
| 1943 | 74 | 19.4 | 114 | 36.1 | 113 | 42.3 | 106 | 42.8 |
| 1944 | 36 | 8.6 | 42 | 10.8 | 61 | 17.1 | 63 | 22.1 |
| 1945 | 60 | 11.1 | 60 | 17.1 | 79 | 27.3 | 84 | 31.6 |
| 1946 | 66 | 17.8 | 90 | 24.2 | 89 | 31.2 | 87 | 35.3 |
| 1947 | 49 | 13.5 | 63 | 19.2 | 65 | 22.7 | 77 | 29.2 |
| 1948 | 51 | 16.2 | 56 | 20.4 | 80 | 27.6 | 100 | 35.6 |
| 1949 | 71 | 20.7 | 70 | 25.0 | 102 | 37.2 | 112 | 44.3 |
| Normal | 54 | 15.2 | 67 | 21.5 | 81 | 28.9 | 82 | 32.2 |

| <u>Bechler Ranger Sta. (Fall River)</u> | | | | | | | | |
|---|----|------|----|------|----|------|----|------|
| 1940 | 31 | 6.1 | 43 | 12.8 | 56 | 18.0 | 63 | 25.0 |
| 1941 | 42 | 9.4 | 58 | 15.3 | 59 | 18.8 | 46 | 16.4 |
| 1942 | 30 | 6.9 | 46 | 12.4 | 62 | 18.3 | 58 | 20.2 |
| 1943 | - | - | - | - | 99 | 34.0 | 82 | 35.0 |
| 1944 | - | - | 32 | 7.5 | 45 | 12.3 | 48 | 15.4 |
| 1945 | 40 | 6.4 | 38 | 9.9 | 58 | 18.7 | 63 | 20.5 |
| 1946 | 37 | 8.1 | 54 | 15.4 | 74 | 23.5 | 65 | 25.0 |
| 1947 | 37 | 10.9 | 52 | 14.4 | 49 | 16.1 | 51 | 17.9 |
| 1948 | - | - | - | - | - | - | 73 | 26.8 |
| 1949 | - | - | - | - | 87 | 30.7 | 83 | 27.3 |
| Normal | 35 | 8.0 | 52 | 13.9 | 69 | 22.0 | 67 | 24.2 |

| <u>Teton Pass (Teton River)</u> | | | | | | | | |
|---------------------------------|----|------|-----|------|-----|------|-----|------|
| 1940 | 18 | 1.3 | 60 | 14.3 | 76 | 21.5 | 79 | 28.8 |
| 1941 | 51 | 12.0 | 64 | 15.3 | 71 | 19.7 | 70 | 23.9 |
| 1942 | 41 | 10.1 | 56 | 18.2 | 72 | 24.4 | 79 | 27.8 |
| 1943 | 76 | 24.4 | 125 | 47.0 | 131 | 55.0 | 149 | 66.4 |
| 1944 | - | - | 34 | 8.6 | 69 | 15.6 | 65 | 21.9 |
| 1945 | 51 | 10.1 | 54 | 15.6 | 77 | 24.1 | 95 | 30.8 |
| 1946 | 61 | 18.9 | 83 | 24.5 | 87 | 31.1 | 92 | 34.5 |
| 1947 | 66 | 21.8 | 78 | 27.0 | 89 | 31.0 | 107 | 42.0 |
| 1948 | 50 | 14.1 | 59 | 20.8 | 80 | 26.8 | 96 | 30.5 |
| 1949 | 70 | 22.9 | 78 | 28.1 | 106 | 42.4 | 128 | 49.9 |
| Normal | 52 | 14.5 | 69 | 21.5 | 89 | 30.4 | 101 | 37.0 |

| | Jan. 1 | | Feb. 1 | | Mar. 1 | | April 1 | |
|---------------------------------|--------|------|--------|------|--------|------|---------|------|
| | S | W | S | W | S | W | S | W |
| <u>State Line (Teton River)</u> | | | | | | | | |
| 1940 | 6 | 0.4 | 31 | 5.2 | 36 | 8.6 | 37 | 10.1 |
| 1941 | 30 | 5.0 | 36 | 7.3 | 42 | 10.1 | 30 | 9.7 |
| 1942 | 24 | 4.0 | 33 | 9.1 | 39 | 12.0 | 39 | 12.4 |
| 1943 | 46 | 13.7 | 65 | 21.3 | 67 | 24.0 | 64 | 26.2 |
| 1944 | - | - | 24 | 5.1 | 35 | 8.3 | 36 | 8.4 |
| 1945 | 31 | 5.6 | 28 | 7.0 | 39 | 10.3 | 45 | 13.1 |
| 1946 | 30 | 7.1 | 49 | 11.0 | 46 | 13.2 | 40 | 14.0 |
| 1947 | 22 | 6.1 | 35 | 8.8 | 39 | 11.0 | 33 | 11.0 |
| 1948 | 27 | 5.8 | 37 | 7.2 | 40 | 9.9 | 47 | 13.1 |
| 1949 | 38 | 10.3 | 44 | 12.8 | 55 | 19.4 | 60 | 21.7 |
| Normal | 27 | 5.8 | 38 | 9.3 | 45 | 13.2 | 45 | 15.4 |

| <u>East Rim (Hoback River)</u> | | | | | | | | |
|--------------------------------|----|-----|---|---|----|------|----|------|
| 1940 | - | - | - | - | 25 | 7.0 | 24 | 6.0 |
| 1941 | - | - | - | - | 35 | 10.4 | 32 | 11.0 |
| 1942 | - | - | - | - | 32 | 7.0 | 32 | 7.9 |
| 1943 | - | - | - | - | 51 | 15.9 | 54 | 18.1 |
| 1944 | - | - | - | - | 27 | 5.8 | 31 | 7.1 |
| 1945 | - | - | - | - | 31 | 6.8 | 33 | 8.6 |
| 1946 | - | - | - | - | 39 | 9.5 | 41 | 11.6 |
| 1947 | - | - | - | - | 32 | 8.2 | 35 | 9.7 |
| 1948 | - | - | - | - | 31 | 9.1 | 34 | 7.7 |
| 1949 | - | - | - | - | 41 | 11.4 | 42 | 12.5 |
| Normal | 17 | 3.4 | - | - | 34 | 9.1 | 38 | 11.1 |

| <u>Bryan Flat (Hoback River)</u> | | | | | | | | |
|----------------------------------|----|------|----|------|----|------|----|------|
| 1940 | 4 | 0.3 | 20 | 4.6 | 20 | 6.5 | 16 | 4.3 |
| 1941 | 24 | 5.3 | 26 | 5.8 | 33 | 9.5 | 23 | 9.0 |
| 1942 | 19 | 3.2 | 23 | 5.2 | 29 | 5.4 | 28 | 7.4 |
| 1943 | 42 | 10.9 | 55 | 13.5 | 57 | 17.4 | 44 | 14.4 |
| 1944 | 5 | 0.8 | 14 | 2.0 | 19 | 3.2 | 21 | 5.2 |
| 1945 | 22 | 3.5 | 23 | 4.0 | 28 | 7.7 | 31 | 7.7 |
| 1946 | 25 | 5.4 | 35 | 7.2 | 38 | 7.2 | 33 | 9.4 |
| 1947 | 18 | 4.1 | 25 | 6.5 | 25 | 7.4 | 24 | 9.0 |
| 1948 | 17 | 4.1 | 22 | 4.1 | 31 | 7.1 | 29 | 7.8 |
| 1949 | 30 | 6.9 | 38 | 9.3 | 46 | 14.5 | 46 | 15.9 |
| Normal | 19 | 3.9 | 27 | 6.1 | 33 | 9.0 | 32 | 10.0 |

| <u>Yellowjacket Flat (Gros Ventre River)</u> | | | | | | | | |
|--|----|-----|----|-----|----|------|----|------|
| 1941 | - | - | 19 | 3.3 | - | - | 23 | 5.1 |
| 1942 | - | - | 21 | 3.3 | - | - | 21 | 4.3 |
| 1943 | - | - | - | - | 47 | 10.1 | 45 | 12.3 |
| 1944 | - | - | - | - | 16 | 1.0 | 20 | 4.7 |
| 1946 | - | - | - | - | 26 | 5.9 | 28 | 5.7 |
| 1947 | - | - | - | - | 24 | 5.4 | 25 | 5.9 |
| 1948 | - | - | - | - | 21 | 4.7 | 22 | 4.9 |
| 1949 | - | - | 27 | 4.8 | 30 | 6.9 | 30 | 8.2 |
| Normal | 11 | 1.9 | 19 | 3.4 | 27 | 5.8 | 27 | 6.6 |

| | Jan. 1 | | Feb. 1 | | Mar. 1 | | April 1 | |
|--|--------|-----|--------|------|--------|------|---------|------|
| | S | W | S | W | S | W | S | W |
| <u>Grover Park Divide (Salt River)</u> | | | | | | | | |
| 1940 | 13 | 2.0 | 26 | 6.6 | 31 | 9.9 | 25 | 9.8 |
| 1941 | 27 | 4.6 | 30 | 7.0 | 31 | 9.1 | 21 | 8.0 |
| 1942 | - | - | 26 | 5.2 | 31 | 8.5 | 28 | 8.8 |
| 1943 | 33 | 7.6 | 46 | 13.8 | 43 | 13.9 | 45 | 15.2 |
| 1944 | 16 | 3.0 | 24 | 4.4 | 27 | 6.1 | 36 | 7.8 |
| 1945 | 31 | 4.2 | 28 | 5.4 | 32 | 8.2 | 42 | 11.2 |
| 1946 | 25 | 4.1 | 44 | 8.0 | 39 | 10.0 | 32 | 9.1 |
| 1947 | 20 | 4.8 | 30 | 6.8 | 34 | 8.1 | 26 | 8.3 |
| 1948 | 18 | 4.0 | 23 | 5.4 | 29 | 6.6 | 37 | 9.5 |
| 1949 | 29 | 6.8 | 35 | 8.9 | 42 | 12.6 | 42 | 13.4 |
| Normal | 22 | 4.4 | 31 | 7.2 | 34 | 9.8 | 36 | 10.8 |

| <u>CCC Camp FF12 (Salt River)</u> | | | | | | | | |
|-----------------------------------|----|-----|----|------|----|------|----|------|
| 1940 | 9 | 1.0 | 26 | 5.9 | 27 | 8.8 | 22 | 8.4 |
| 1941 | 23 | 4.4 | 25 | 6.6 | 31 | 8.1 | 23 | 8.2 |
| 1942 | - | - | 24 | 4.5 | 29 | 6.8 | 26 | 7.2 |
| 1943 | 33 | 7.4 | 50 | 14.7 | 46 | 14.2 | 48 | 15.7 |
| 1944 | 16 | 2.1 | 21 | 3.8 | 28 | 5.9 | 40 | 9.3 |
| 1945 | - | - | 26 | 5.3 | 34 | 9.3 | 40 | 10.5 |
| 1946 | 24 | 4.6 | 32 | 7.1 | 38 | 8.5 | 32 | 9.0 |
| 1947 | 25 | 5.3 | 37 | 8.4 | 38 | 9.9 | 32 | 10.6 |
| 1948 | 16 | 3.5 | 25 | 5.9 | 33 | 8.2 | 35 | 9.5 |
| 1949 | 27 | 6.4 | 34 | 8.5 | 42 | 12.0 | 38 | 12.5 |
| Normal | 21 | 4.4 | 30 | 7.0 | 36 | 9.6 | 36 | 11.2 |

| <u>Deadman Ranch (Greys River)</u> | | | | | | | | |
|------------------------------------|----|-----|----|------|----|------|----|------|
| 1940 | T | T | 22 | 3.4 | 20 | 3.1 | 0 | 0 |
| 1941 | 29 | 5.9 | 29 | 8.0 | 31 | 10.7 | 20 | 8.0 |
| 1942 | 19 | 2.0 | 24 | 3.8 | 31 | 5.8 | 29 | 6.7 |
| 1943 | - | - | 59 | 17.4 | 57 | 19.8 | 54 | 18.4 |
| 1944 | - | - | 16 | 1.3 | 18 | 2.9 | 20 | 5.3 |
| 1945 | 28 | 4.0 | 26 | 4.0 | 33 | 8.8 | 32 | 8.5 |
| 1946 | 29 | 3.9 | 34 | 7.5 | 37 | 10.6 | 25 | 9.2 |
| 1947 | 20 | 6.5 | 28 | 5.7 | 27 | 7.8 | 18 | 6.3 |
| 1948 | - | - | - | - | 33 | 7.8 | 33 | 9.5 |
| 1949 | - | - | - | - | 38 | 11.5 | 34 | 12.2 |
| Normal | 20 | 3.4 | 30 | 6.4 | 34 | 9.6 | 29 | 9.2 |

| <u>Greys Boundary (Greys River)</u> | | | | | | | | |
|-------------------------------------|----|------|----|------|----|------|----|------|
| 1940 | 2 | 0.2 | 29 | 7.2 | 28 | 9.5 | 14 | 6.1 |
| 1941 | - | - | 26 | 5.6 | 28 | 8.9 | 16 | 5.9 |
| 1942 | 24 | 4.1 | 26 | 5.9 | 36 | 8.1 | 31 | 8.9 |
| 1943 | 44 | 10.5 | 46 | 12.2 | 47 | 15.5 | 41 | 14.7 |
| 1944 | 7 | 1.0 | 18 | 3.0 | 20 | 4.9 | 18 | 5.3 |
| 1945 | 26 | 4.8 | 25 | 5.5 | 32 | 9.1 | 40 | 13.1 |
| 1946 | 28 | 6.9 | 42 | 8.6 | 42 | 12.9 | 30 | 11.5 |
| 1947 | 14 | 3.7 | 20 | 5.7 | 21 | 6.7 | 16 | 6.6 |
| 1948 | 19 | 4.5 | 23 | 6.6 | 32 | 9.0 | 34 | 11.6 |
| 1949 | 33 | 8.1 | 39 | 10.7 | 51 | 16.6 | 39 | 16.5 |
| Normal | 21 | 4.8 | 30 | 7.0 | 35 | 10.6 | 30 | 10.8 |

On April 1, 1949, the snow supply averaged approximately as follows on the upper watersheds in percent of normal: Jackson Lake 114%, Tributaries Moran to Heise 126%, Island Park 141%, Fall River 125%, Teton River 138%. The river run-off for the year ending September 30, 1949 was 108% of normal at Moran, 97% at Heise, 91% at Neeley, 103% from Island Park, 112% on Fall River, and 110% on Teton River. At all points the run-off was less than indicated by the April 1st snow surveys, perhaps due in part to a marked deficiency in April precipitation over most of the upper watershed.

1949 REGULATION SCHEDULE

| | |
|---------|--|
| June 22 | Regulation began on Sheridan Creek in Island Park area. |
| " 28 | Began river regulation. Cut off rights later than Aug. 6, 1908 priority. |
| July 2 | Cut off rights later than Oct. 7, 1905 |
| " 3 | Cut off rights later than Mar. 26, 1903 |
| " 13 | Cut off 1900 rights above Blackfoot |
| " 14 | Cut off 1899 rights |
| " 15 | Cut off 1896 rights |
| " 16 | Filled 80% Feb. 6, 1895 |
| " 17 | Filled 50% Feb. 6, 1895 |
| " 18 | Cut off all 1895 rights |
| " 19 | Filled 75% Aug. 18, 1894 right |
| " 20 | Cut off Aug. 18, 1894 right |
| " 21 | Filled 2/3 of Dec. 14, 1891 right |
| " 25 | Restored all 1891 rights |
| " 28 | Filled 50% of Dec. 14, 1891 right |
| " 31 | Filled 1/3 of Dec. 14, 1891 right |
| Aug. 2 | Filled 80% of Dec. 14, 1891 right |
| " 4 | Filled all 1891 rights |
| " 9 | Filled 50% Dec. 14, 1891 right |
| " 11 | Restored Aug. 18, 1894 right |
| " 14 | Cut off Dec. 14, 1891 right |
| " 16 | Filled 1/3 Dec. 14, 1891 right |
| " 18 | Cut off Dec. 14, 1891 right |
| " 23 | Cut off June 1, 1891 rights |
| " 25 | Filled 2/3 Dec. 14, 1891 rights |
| " 26 | Filled 75% Aug. 18, 1894 rights |
| " 27 | Filled 1/3 Feb. 6, 1895 right |
| " 29 | Cut off Feb. 6, 1895 right |
| " 31 | Filled 70% Dec. 14, 1891 right |

| | |
|---------|---|
| Sept. 1 | Cut off Dec. 14, 1891 right |
| " 2 | Filled 50% Jan. 24, 1891 right |
| " 3 | Cut off rights later than July 12, 1890 |
| " 11 | Restored all 1890 rights |
| " 12 | Restored all 1894 rights |
| " 13 | Filled 50% Aug. 18, 1894 rights |
| " 14 | Filled 75% Aug. 18, 1894 rights |
| " 15 | Filled 30% Feb. 6, 1895 right |
| " 17 | Filled 50% Feb. 6, 1895 right |
| " 24 | Cut off June 1, 1891 rights |
| " 26 | Filled 1/3 Dec. 14, 1891 right |
| " 30 | Discontinued regulation due to rains |

The 1902 priority rights on Fall River and Henrys Fork were cut on July 11, otherwise cuts in that district followed the Snake River regulation schedule as above listed. Rights on lower Teton River were cut to June 1, 1885 priorities on July 20 and all 1889 rights on that stream were restored August 17. Stored water for Teton River canals was carried thru the Cross Cut canal from July 18 to August 19, inclusive. The supply in Teton River was sufficient to meet all demands on that stream during the balance of the irrigation season.

Storage releases from the various reservoirs began on the following dates: American Falls, June 27; Jackson Lake, July 2; Island Park, July 2; Henrys Lake, July 18; Grassy Lake, July 28.

While river regulation began ten days earlier than in 1948 the river dropped more slowly and it was July 13, 1949, before the 1900 priorities were cut, breaking the river at Blackfoot for natural flow administration, compared to July 10, 1948 as the comparable data a year earlier. By August 23 the June 1, 1891 rights were cut but by August 27 rains had restored one-third of the Feb. 6, 1895 right. The low point on priority cuts was reached September 3 when rights later than July 12, 1890 were cut off. Between September 3 and 29th the priorities being filled

ranged from 1890 to 1895. Rains on September 29th reduced the demands so that all rights were restored and regulation discontinued.

WATER SUPPLY

Run-off at various gaging stations during the year ending September 30, 1949, was as follows:

| <u>Station</u> | <u>1949 run-off (acre-ft.)</u> | <u>Average run-off past years (acre-ft.)</u> | <u>Years of record</u> | <u>1949 % of average</u> |
|---------------------------|--|--|--------------------------------|----------------------------------|
| Snake R. at Moran | 1,107,000 | 1,029,000 | 46 | 108 |
| Snake R. at Heise | 4,880,000 | 5,025,000 | 46 | 97 |
| Snake R. at Neeley | 5,144,000 | 5,659,000 | 53 | 91 |
| Fall R. nr. Squirrel | 608,200 | 541,200 | 36 | 112 |
| Teton R. nr. St. Anthony | 598,700 | 545,000 | 22 | 110 |
| Henry's Fk. at Warm River | 739,000 | 719,300 | 35 | 103 |
| Henry's Fk. nr. Rexburg | 1,492,000 | 1,394,000 | 41 | 107 |

The run-off at Moran and Heise has been corrected for Jackson Lake holdovers; at Neeley for American Falls holdovers; at Warm River for Henry's Lake and Island Park holdovers; at Rexburg for Henry's Lake, Island Park and Grassy Lake holdovers; at Squirrel for Grassy Lake holdovers; and at St. Anthony for discharge from Cross Cut Canal into Teton River.

The peak floodwater discharge at the Heise gaging station occurred on June 13, amounting to 21,000 second-feet, of which 3,700 second-feet were being spilled from Jackson Lake.

The weather conditions during the snow melting period in 1949 were more favorable for a gradual run-off than was the case in 1948 and no serious damages due to floodwaters were reported. Stimulated by high prices for crops during recent years, however, there are various areas along the river where people have leveled pasture land that formerly was flooded in many years and are now growing cultivated crops on such land. This results in crop damages from floodwaters at river discharges that formerly caused no damage. The owners of the flooded lands feel that Jackson Lake ought to be

operated as a flood protection reservoir, but the owners of Jackson Lake reservoir space, having a better appreciation of the uncertainties of predicting river run-off from their personal experiences in past years, are unwilling to take a chance on having that reservoir fail to fill. There will probably be no satisfactory solution of the flood water problem on the upper Snake River until Palisades reservoir is built.

The maximum flow of Snake River near Blackfoot occurred on May 22 at a discharge of 24,500 second-feet. Peak discharges at points downstream from Blackfoot were so small as to be of no particular significance.

For the past several years the U. S. Weather Bureau has been predicting each spring the subsequent run-off at certain selected gaging stations in the Western United States. These predictions are based on accumulated precipitation since the preceding October 1st at regular Weather Bureau stations on the watersheds, instead of using the results of special snow surveys.

On account of the possible use of this method for predicting run-off on Snake River the following tabulation is presented giving the Weather Bureau estimates made last spring and the run-off that actually occurred at stations in District 36 where such estimates were made:

Comparison of run-off estimates by U. S. Weather Bureau,
Year ending September 30, 1949. Thousands of acre-feet.

| <u>Station</u> | <u>April 1 estimate</u> | <u>May 1 estimate</u> | <u>Actual Run-off</u> | <u>% variation from actual run-off</u> | |
|----------------------|-----------------------------|---------------------------|---------------------------|--|-----------------------------|
| | | | | <u>Apr. 1st estimate</u> | <u>May 1st estimate</u> |
| Snake - Moran | 1,240 | 1,210 | 1,107 | + 12 | + 9 |
| Heise | 5,290 | 5,080 | 4,841 | + 9 | + 5 |
| Shelley | 4,220 | 4,040 | 4,050 | + 4 | 0 |
| Blackfoot | 3,240 | 3,080 | 3,089 | + 5 | 0 |
| Neeley | 5,610 | 5,430 | 5,144 | + 9 | + 6 |
| Minidoka | 4,620 | 4,400 | 4,456 | + 4 | - 1 |
| Milner | 2,060 | 1,860 | 1,666 | + 24 | + 12 |
| Henry's Fk - Warm R. | 761 | 746 | 739 | + 3 | + 1 |
| Rexburg | 1,620 | 1,580 | 1,497 | + 8 | + 6 |
| Fall R.- Squirrel | 632 | 626 | 608 | + 4 | + 3 |
| Teton R.-St. Anthony | 588 | 572 | 606 | - 3 | - 6 |

For conditions existing in 1949 the predictions were quite close to the actual run-off at the important measuring points but whether such favorable results would be attained in years when May and June were either very dry or very wet months remains to be seen.

Water spilled past Milner, in excess of Idaho Power Company rights, amounted to 1,630,000 acre-feet during the year ending September 30, 1949, which is about 400,000 acre-feet less than was spilled in 1948.

In 1949 for the first time in seven years the reservoir holders at the close of the irrigation season dipped below the 1,000,000 acre-feet mark which may presage a somewhat reduced run-off during the next few years.

Holdovers on Sept. 30 in acre-feet

| <u>Year</u> | <u>Jackson Lake</u> | <u>American Falls</u> | <u>Lake Walcott</u> | <u>Henrys Lake</u> | <u>Island Park</u> | <u>Grassy Lake</u> | <u>Total</u> |
|-------------|---------------------|-----------------------|---------------------|--------------------|--------------------|--------------------|--------------|
| 1940 | 166,350 | 264,380 | - 900 | 36,500 | 17,050 | 520 | 483,900 |
| 1941 | 266,110 | 319,800 | 18,850 | 38,900 | 39,230 | 8,170 | 651,060 |
| 1942 | 321,330 | 410,360 | 93,550 | 43,810 | 60,620 | 10,910 | 940,580 |
| 1943 | 650,340 | 897,050 | 42,710 | 76,200 | 84,050 | 14,750 | 1,765,100 |
| 1944 | 300,570 | 534,450 | 78,020 | 55,900 | 51,900 | 6,420 | 1,027,260 |
| 1945 | 568,030 | 924,820 | 91,460 | 64,200 | 56,775 | 13,400 | 1,718,685 |
| 1946 | 402,740 | 718,970 | 83,770 | 62,700 | 51,465 | 12,110 | 1,331,755 |
| 1947 | 463,990 | 686,770 | 94,950 | 55,600 | 75,520 | 13,220 | 1,390,050 |
| 1948 | 234,260 | 664,720 | 88,550 | 53,300 | 33,230 | 12,130 | 1,086,190 |
| 1949 | 273,140 | 535,030 | 95,310 | 52,060 | 29,060 | 11,930 | 996,530 |
| Average | 360,690 | 595,640 | 68,630 | 53,920 | 49,890 | 10,360 | 1,139,130 |

The combined capacity of these reservoirs when full is 2,872,000 acre-feet. The 1949 holdover was about 35% of capacity.

TRANSFERS AND EXCHANGES

There were no applications during the year for changes in place of use of any decreed water rights. Changes in points of diversion were granted by the State Reclamation Engineer as follows:

1. Stanley Loosli: 2.5 sec.-ft. June 1, 1894 priority, formerly diverted thru Farmers Own Canal, new diversion is private ditch from Black Springs Creek.
2. Rex Lee: 2.8 sec.-ft. Oct. 16, 1890 priority, formerly diverted thru Butte and Market Lake Canal, new diversion is privately owned pumping plant from Snake River.
3. Francis Stoltenberg: 3.6 sec.-ft. June 1, 1900 priority, formerly diverted from Palisades Creek thru Palisades Canal, new diversion is private ditch from Brandywine channel of Snake River.

LITIGATION

The following summary decrees were awarded in the District Court, Ninth Judicial District of Idaho, in uncontested suits:

1. Lowell A. Dalley, 1.34 sec.-ft. April 11, 1896 priority from Teton Creek. Water is diverted in Wyoming thru the Central Canal which irrigates land in both Wyoming and Idaho.

2. W. C. & L. F. Wanlass, 1.6 sec.-ft. May 15, 1896 priority, of the waters of Fox Creek. Water is diverted thru the Wanlass Canal with diversions works about one mile west of the Wyoming-Idaho state line.

COMMUNITY LATERAL MANAGERS

The following appointments were made for the 1949 irrigation season under the provisions of the Idaho Statutes, upon the request of users under the various laterals:

| | |
|-----------------|--|
| E. T. Keller | Kinney lateral from Peoples Canal |
| Noble Barrus | First lateral from Peoples Canal |
| Noble Barrus | Old High line lateral from Peoples Canal |
| Noble Barrus | Augustine lateral from Danskin ditch |
| L. R. Samuelson | Johnson high line lateral from New Lava Side Canal |
| Jess Thomas | North Leigh Creek Canal |

CANAL DELIVERIES

Daily diversions from Snake River during the 1949 irrigation season by canals between Heise and Blackfoot are shown on Plates 6 to 10 inclusive. Year-round records of diversions by canals below American Falls are shown on Plates 35 to 45 inclusive. Measurements on some of the principal canals and streams in the headwater areas are shown on Plate 24.

Total diversions during the 1949 irrigation season by all users in the District, including numerous individuals in the headwater areas, amounted to 7,540,000 acre-feet, which is 380,000 acre-feet greater than in 1948.

Diversions during 1949 irrigation season by Snake River Canals (downstream order from Heise)

(May to Sept. incl. for upper valley canals, Apr. 15 to Sept. 30 for lower valley canals)

| Canal | Diversions (acre-ft.) | Acres Irrigated | Acre-feet per acre |
|-----------------------|--------------------------|--------------------|-----------------------|
| Riley | 4,850 | 870 | 5.6 |
| Anderson & Eagle Rock | 218,000 (a) | 31,532 | 6.9 |
| Farmers Friend | 97,100 | 10,500 | 9.3 |
| Enterprise | 33,100 | 5,000 (b) | 6.6 |

| Canal | Diversions (acro-ft.) | Acres Irrigated | Acre-feet per acre |
|--------------------------|--------------------------|--------------------|-----------------------|
| Nelson | 540 | 60 | 9.0 |
| Mattson & Arnsberger | 3,850 | 500 | 7.7 |
| Ross and Rand | 1,010 | 170 | 5.9 |
| Butler Island | 12,700 | 1,200 | 10.6 |
| Steele | 1,610 | 280 | 5.7 |
| Harrison | 119,000 | 12,750 | 9.3 |
| Cheney | 1,470 | 200 | 7.4 |
| Rudy & Boomer | 56,200 | 5,500 | 10.2 |
| Kite & Nord | 1,320 | 200 | 6.6 |
| Burgess | 221,000 | 22,000 | 10.0 |
| Clark & Edwards | 21,300 | 1,800 | 11.8 |
| Lowder & Jennings | 12,200 | 1,000 | 12.2 |
| East Labelle | 33,600 | 2,500 | 13.4 |
| Sunnydell | 38,200 | 3,770 | 10.1 |
| Lenroot | 28,800 | 4,200 | 6.9 |
| Reid | 37,000 | 5,300 | 7.0 |
| Texas Feeder | 67,300 | 9,000 | 7.5 |
| Nelson-Corey | 2,030 | 460 | 4.4 |
| Hill-Pettinger | 820 | 160 | 5.1 |
| Rigby | 42,900 | 4,000 | 10.7 |
| Dilts | 8,000 | 700 | 11.4 |
| Island | 40,700 | 3,600 | 11.3 |
| W. Labelle - Long Island | 119,000 | 10,000 | 11.9 |
| Parks & Lewisville | 92,100 | 7,000 | 13.1 |
| North Rigby | 13,600 | 1,500 | 9.1 |
| White | 640 | 160 | 4.0 |
| Ellis | 1,170 | 120 | 9.7 |
| Branwell | 1,700 | 180 | 9.4 |
| Butte & Market Lake | 85,700 | 20,000 | 4.3 |
| Osgood | 30,600 | 6,400 | 4.8 |
| Bear Island & Smith | 800 | 200 | 4.0 |
| Idaho | 259,000 (a) | 35,849 | 7.2 |
| Kennedy | 11,800 | 2,600 | 4.5 |
| Great Western & Porter | 198,000 | 29,500 | 6.7 |
| Coy & Kellar | 370 | 70 | 5.3 |
| Woodville | 19,900 | 3,000 | 6.6 |
| Snake River Valley | 151,000 (a) | 21,000 | 7.2 |
| Reservation | 88,000 (c) | 32,675 | 2.7 |
| Blackfoot | 86,900 | 14,000 | 6.2 |
| New Lava Side | 40,000 | 6,000 | 6.7 |
| Peoples | 132,000 | 18,000 | 7.3 |
| Aberdeen | 313,000 | 63,000 | 5.0 |
| Corbett | 44,300 | 6,000 | 7.4 |
| Nielsen-Hansen | 2,290 | 460 | 5.0 |
| Riverside | 32,100 | 3,500 | 9.2 |
| Danskin | 59,200 | 6,000 | 9.9 |
| Trego | 18,400 | 1,600 | 11.5 |
| Wearyrick | 18,000 | 1,600 | 11.3 |
| Watson | 31,300 | 3,000 | 10.4 |

| Canal | Diversions (acre-feet) | Acres Irrigated | Acres-foot per acre |
|----------------------|---------------------------|--------------------|------------------------|
| Parsons | 8,700 | 800 | 10.9 |
| Minidoka Irr. Dist. | 467,000 | 70,940 | 6.6 |
| Burley Irr. Dist. | 294,000 | 46,000 | 6.4 |
| North Side Canal Co. | 1,082,000 | 161,480 | 6.7 |
| Twin Falls Canal | 1,057,000 | 202,706 | 5.2 |
| Milner Low Lift | 52,800 | 9,040 | 5.8 |
| Gooding Project | 426,400 | 63,563 | 6.7 |
| Total | 6,343,370 | 975,195 | 6.5 |

- (a) Received some additional water from Willow and Sand Creeks
- (b) About 1,900 acres of this supplied thru Eagle Rock Canal after July 16
- (c) Received additional water from Blackfoot River and Sand Creek.

Total diversions by the above canals was 357,000 acre-feet greater than a year ago. Of 3,379,000 acre-feet diverted by lower valley canals, 1,271,000 acre-feet or 38% was stored water. Of 2,964,000 acre-feet diverted by upper valley main river canals from Heise to Blackfoot, 414,300 acre-feet or 14% was stored water. Lower valley canals diverted more and upper valley canals less stored water than a year ago, resulting in Jackson Lake being a little higher and American Falls Reservoir a little lower on September 30, 1949 than on the same date in 1948.

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

| Year | Diversions in Thousands of Acre-feet Heise to Blackfoot | | | | | Season |
|---------|--|------|------|------|-------|--------|
| | May | June | July | Aug. | Sept. | |
| 1940 | 548 | 630 | 594 | 462 | 289 | 2523 |
| 1941 | 444 | 618 | 648 | 492 | 434 | 2636 |
| 1942 | 314 | 684 | 720 | 588 | 391 | 2697 |
| 1943 | 417 | 545 | 750 | 666 | 510 | 2888 |
| 1944 | 327 | 406 | 679 | 610 | 415 | 2437 |
| 1945 | 337 | 455 | 700 | 629 | 453 | 2574 |
| 1946 | 504 | 585 | 738 | 606 | 400 | 2833 |
| 1947 | 573 | 565 | 774 | 626 | 424 | 2962 |
| 1948 | 301 | 588 | 738 | 627 | 410 | 2664 |
| 1949 | 459 | 646 | 766 | 622 | 466 | 2959 |
| Average | 422 | 572 | 711 | 593 | 419 | 2717 |

Henry's Fork and Tributaries
(excluding headwater creeks)

| <u>Year</u> | <u>May</u> | <u>June</u> | <u>July</u> | <u>Aug.</u> | <u>Sept.</u> | <u>Season</u> |
|-------------|------------|-------------|-------------|-------------|--------------|---------------|
| 1940 | 230 | 213 | 182 | 136 | 92 | 853 |
| 1941 | 209 | 216 | 183 | 146 | 93 | 847 |
| 1942 | 151 | 243 | 211 | 176 | 103 | 884 |
| 1943 | 165 | 209 | 218 | 188 | 119 | 899 |
| 1944 | 157 | 176 | 192 | 178 | 102 | 805 |
| 1945 | 141 | 181 | 206 | 168 | 109 | 805 |
| 1946 | 215 | 212 | 206 | 175 | 93 | 901 |
| 1947 | 198 | 195 | 223 | 173 | 102 | 891 |
| 1948 | 144 | 229 | 215 | 173 | 109 | 870 |
| 1949 | 201 | 218 | 216 | 174 | 116 | 925 |
| Average | 181 | 209 | 205 | 169 | 104 | 868 |

1940-49 figures are after deduction for water spilled from Cross Cut Canal into Tetoh River.

Minidoka Project

| <u>Year</u> | <u>Apr.</u> | <u>May</u> | <u>June</u> | <u>July</u> | <u>Aug.</u> | <u>Sept.</u> | <u>Season</u> |
|-------------|-------------|------------|-------------|-------------|-------------|--------------|---------------|
| 1940 | 35 | 162 | 156 | 173 | 159 | 50 | 735 |
| 1941 | 20 | 152 | 125 | 169 | 148 | 90 | 704 |
| 1942 | 15 | 87 | 155 | 181 | 170 | 101 | 709 |
| 1943 | 33 | 162 | 105 | 182 | 167 | 103 | 752 |
| 1944 | 16 | 115 | 85 | 180 | 167 | 106 | 669 |
| 1945 | 7 | 121 | 122 | 178 | 167 | 102 | 697 |
| 1946 | 30 | 154 | 136 | 180 | 160 | 82 | 742 |
| 1947 | 50 | 164 | 93 | 182 | 164 | 101 | 754 |
| 1948 | 24 | 152 | 150 | 181 | 162 | 94 | 763 |
| 1949 | 53 | 139 | 144 | 175 | 153 | 96 | 760 |
| Average | 28 | 141 | 127 | 178 | 162 | 93 | 729 |

North Side Canal Co. Project

| | | | | | | | |
|---------|----|-----|-----|-----|-----|-----|------|
| 1940 | 61 | 176 | 194 | 208 | 193 | 103 | 935 |
| 1941 | 67 | 186 | 172 | 206 | 194 | 110 | 935 |
| 1942 | 71 | 178 | 189 | 217 | 221 | 161 | 1037 |
| 1943 | 70 | 195 | 180 | 222 | 225 | 170 | 1062 |
| 1944 | 47 | 156 | 159 | 219 | 219 | 163 | 963 |
| 1945 | 54 | 185 | 177 | 223 | 220 | 154 | 1013 |
| 1946 | 61 | 206 | 201 | 226 | 226 | 137 | 1057 |
| 1947 | 81 | 211 | 175 | 228 | 223 | 159 | 1077 |
| 1948 | 67 | 201 | 210 | 224 | 224 | 153 | 1079 |
| 1949 | 65 | 215 | 204 | 231 | 232 | 142 | 1089 |
| Average | 64 | 191 | 186 | 220 | 218 | 145 | 1024 |

Twin Falls Project

| <u>Year</u> | <u>Apr.</u> | <u>May</u> | <u>June</u> | <u>July</u> | <u>Aug.</u> | <u>Sept.</u> | <u>Season</u> |
|-------------|-------------|------------|-------------|-------------|-------------|--------------|---------------|
| 1940 | 70 | 191 | 201 | 220 | 220 | 126 | 1028 |
| 1941 | 101 | 194 | 174 | 209 | 214 | 138 | 1030 |
| 1942 | 82 | 175 | 177 | 212 | 216 | 149 | 1011 |
| 1943 | 97 | 200 | 166 | 214 | 221 | 156 | 1054 |
| 1944 | 53 | 160 | 148 | 212 | 218 | 161 | 952 |
| 1945 | 53 | 184 | 175 | 214 | 217 | 156 | 999 |
| 1946 | 78 | 202 | 194 | 213 | 217 | 133 | 1037 |
| 1947 | 91 | 212 | 170 | 220 | 220 | 141 | 1054 |
| 1948 | 84 | 202 | 195 | 215 | 223 | 150 | 1069 |
| 1949 | 86 | 211 | 193 | 219 | 217 | 145 | 1071 |
| Average | 80 | 193 | 179 | 215 | 218 | 146 | 1031 |

Gooding Project

| | | | | | | | |
|---------|----|----|----|----|----|----|-----|
| 1940 | 18 | 71 | 82 | 91 | 83 | 57 | 402 |
| 1941 | 21 | 71 | 75 | 96 | 88 | 63 | 414 |
| 1942 | 18 | 77 | 78 | 96 | 90 | 67 | 426 |
| 1943 | 2 | 64 | 62 | 91 | 92 | 57 | 368 |
| 1944 | 5 | 63 | 73 | 93 | 90 | 67 | 391 |
| 1945 | 14 | 75 | 77 | 90 | 80 | 61 | 397 |
| 1946 | 19 | 80 | 85 | 90 | 79 | 57 | 410 |
| 1947 | 28 | 79 | 71 | 88 | 78 | 59 | 403 |
| 1948 | 21 | 76 | 77 | 89 | 83 | 67 | 413 |
| 1949 | 25 | 76 | 84 | 93 | 84 | 65 | 427 |
| Average | 17 | 73 | 76 | 92 | 85 | 62 | 405 |

Upper valley diversions were above normal every month, the seasonal total being about 8% above the average diversions during the past ten years. Seasonal diversions were also above normal under the lower valley projects. The total diversions by such projects during the season were about 5% above the past ten years' average. The increased use of water in 1949 may be due in part to the fact that temperatures averaged about 1° above normal during the irrigation season.

RIVER DATA

Daily segregation of stored water and normal flow at the various gaging stations is shown on Plates 12-13. The losses charged on stored water between gaging station are based on the

transmission loss schedule adopted at the annual water meeting and shown on page 1 of this report.

The segregation of stored water and normal flow at Moran is based on the daily drop in Jackson Lake, which is converted to second-feet and the balance of the flow at the Moran station is listed as stored water. The computed quantities are smoothed out over short periods to eliminate irregularities due to wind effect on the Lake gage, etc. From the stored water so computed are subtracted daily the storage diversions and storage loss Moran to Heise, giving daily storage at Heise. This practice is continued on downstream as far as Blackfoot, giving a theoretical daily storage flow that should be in the river at Blackfoot. At the Blackfoot gaging station after the 1900 priority rights are cut the normal flow is computed as 170 second-feet ground-water inflow plus flow in Blackfoot River, and subtracted from total flow to get storage. The seasonal totals of storage passing the Blackfoot station are made to equal the total seasonal theoretical storage balance at Blackfoot. It is the practice, however, when storage draft first begins at Jackson Lake to let the priority cuts lag a day or so behind, holding the rights on with stored water until 10,000 to 15,000 acre-feet of storage has been used for that purpose. This is to compensate for additional evaporation losses caused by building the Jackson Lake reservoir, and lag in return flow along the river due to maintaining high river levels with stored water releases. Later on in the season when Jackson Lake has been lowered so that there is some bank storage return from its shores and also at times when cuts in storage releases from that Lake result in return flow

from bank storage along the river channel, an equal quantity of such return flow is delivered as stored water. This procedure is designed to restore pre-reservoir conditions insofar as determining natural flow is concerned and is based on special studies and investigations made in by-gone years.

Stored water discharged past the Blackfoot station during 1949 amounted to 50,295 second-feet or 99,760 acre-feet.

The inflow from Clough to Neeley is shown on Plate 11. Daily records are available on the Portneuf River at Pocatello and the Aberdeen wasteways. The flow of the various spring creeks was measured on or about May 12, June 3, 28, July 5, 12, 20, Aug. 12, 26, Sept. 21, and the discharge interpolated on intervening days. The unmeasured gain, as computed, ranged from 1300 to 1340 second-feet.

STORED WATER DELIVERIES

The contract amounts of water were allotted by the Bureau of Reclamation in American Falls and Jackson Lake reservoirs as follows:

1949 Allotment in Acre-feet (Downstream order from Heise)

| <u>Canal</u> | <u>American Falls</u> | | <u>Jackson</u> | <u>Total</u> |
|------------------------|-----------------------|--------------|----------------|--------------|
| | <u>Regular</u> | <u>Lease</u> | <u>Lake</u> | |
| Poplar Irr. Dist. | 793 | 350 | 1,200 | 2,343 |
| Progressive Irr. Dist. | 14,609 | 6,110 | 0 | 20,719 |
| Farmers Friend | 0 | 0 | 2,000 | 2,000 |
| Enterprise Canal Co. | 10,509 | 4,800 | 6,100 | 21,409 |
| Harrison Canal Co. | 11,994 | 6,084 | 5,000 | 23,078 |
| Rudy | 2,000 | 3,735 | 2,000 | 7,735 |
| Burgess | 7,496 | 10,300 | 5,120 | 22,916 |
| Lowder | 0 | 0 | 1,040 | 1,040 |
| Sunnydell | 0 | 0 | 4,000 | 4,000 |
| Lenroot | 4,504 | 2,200 | 3,000 | 9,704 |
| Reid | 3,002 | 1,320 | 0 | 4,322 |
| Dilts | 1,034 | 432 | 0 | 1,466 |
| Enterprise Irr. Dist. | 12,000 | 3,000 | 0 | 15,000 |
| Butte & Market Lake | 3,002 | 11,156 | 0 | 14,158 |

| <u>Canal</u> | <u>American Falls</u> | | <u>Jackson</u> | <u>Total</u> |
|-----------------------|-----------------------|----------------|----------------|------------------|
| | <u>Regular</u> | <u>Lease</u> | <u>Lake</u> | |
| Osgood | 15,852 | 8,600 | 0 | 24,452 |
| Bear Island | 225 | 105 | 0 | 330 |
| Smith | 79 | 32 | 0 | 111 |
| Kennedy | 0 | 0 | 355 | 355 |
| Idaho | 26,986 | 9,910 | 0 | 36,896 |
| Martin | 2,250 | 1,260 | 1,500 | 5,010 |
| New Sweden Irr. Dist. | 28,528 | 14,000 | 5,000 | 47,528 |
| Woodville | 9,000 | 740 | 0 | 9,740 |
| Snake River Valley | 27,643 | 13,000 | 15,000 | 55,643 |
| Blackfoot | 15,033 | 6,600 | 0 | 21,633 |
| Peoples | 22,519 | 14,710 | 8,000 | 45,229 |
| Aberdeen | 41,333 | 67,420 | 42,685 | 151,438 |
| Corbett | 4,000 | 1,540 | 0 | 5,540 |
| Trego | 1,462 | 563 | 0 | 2,025 |
| Minidoka District | 50,000 | 21,000 | 186,030 | 257,030 |
| Burley District | 0 | 24,000 | 139,780 | 163,780 |
| Milner Low Lift | 34,113 | 15,000 | 0 | 49,113 |
| Twin Falls Canal | 151,185 | 0 | 97,183 | 248,368 |
| Hillsdale Irr. Dist. | 41,146 | 0 | 0 | 41,146 |
| N. S. Canal Co. | 279,110 | 172,033 | 322,007 | 773,150 |
| Gooding Project | 400,000 | 0 | 0 | 400,000 |
| Idaho Power Co. | 45,000 | 0 | 0 | 45,000 |
| U. S. | 0 | 13,593 | 0 | 13,593 |
| Total | 1,266,407 | 433,593 | 847,000 | 2,547,000 |

The United States withheld 13,593 acre-feet of the lease water which it rented to non-lease holders. The Twin Falls Canal Company rented 7,279 acre-feet of its Jackson Lake storage to various canals and individuals in the upper valley upon solicitation by the water-master. This amount of water, while only an insignificant percent of total diversions in the district, was of vital importance to the individuals who needed it to mature their crops. All rentals were for 30¢ per acre-foot, measured in the reservoirs.

Total leases and rentals of American Falls water in the upper valley during 1949 amounted to 200,940 acre-feet. The exchange of such leases and rentals for Jackson Lake water owned by lower valley canals is not covered by any existing contracts and is dependent upon year to year agreements.

The allotment from Lake Walcott to the Minidoka Project was 95,910 acre-feet, contents on June 27 when storage draft started. The gain from Neeley to Milner during period of storage draft by Minidoka Project June 27 to September 15, and September 24-28, amounting to 35,400 acre-feet, was also credited to that project as part of its stored water supply.

Discharge from Market Lake Springs during the period of storage use amounted to 1,434 acre-feet which was delivered to the Owners Mutual Irrigation Company thru the Kennedy ditch.

The gain from bank storage return to the American Falls reservoir during the period of storage use more than offset the evaporation losses, so no reservoir loss was charged to owners of American Falls water in 1949.

Total stored water spilled past Milner after regulation began amounted to 53,961 acre-feet, of which 33,719 acre-feet was water ordered by Idaho Power Company and the balance, or 20,242 acre-feet, was operation waste and leakage. This spill was not specifically charged to anyone as all lower valley users had plenty of water and the holdover in American Falls on September 30 was sufficient to insure the filling of that reservoir in 1950. For the same reason the net gain from bank storage return to American Falls reservoir, amounting to 16,740 acre-feet, and the gain Neeley to Milner September 16-23, 29-30 when the Minidoka Project was on normal flow, amounting to 7,360 acre-feet, were not allocated to any particular projects as such action would only be necessary in dry years when the supply from the regular allotments became exhausted.

Total supply and disposal of stored water during the season was as follows:

Supply and disposal of stored water, 1949
(acre-feet)

Supply

| | |
|--|---------------|
| Jackson Lake, July 2 | 849,790 |
| American Falls, June 27 | 1,705,040 |
| Lake, Walcott, June 27 | 95,910 |
| Grassy Lake, July 28 | 15,182 |
| Henry's Lake, July 18 | 78,342 |
| Island Park, July 2 | 133,030 |
| Sheridan Cr. right | 2,165* |
| Gain in American Falls Reservoir | 16,740 |
| Gain Neeley to Milner, June 27 to Sept. 15, Sept. 24-28 | 35,400* |
| Gain Neeley to Milner, Sept. 16-23, 29-30 | 7,360* |
| Market Lake Springs | <u>1,434*</u> |
| Total | 2,940,393 |

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

Disposal

| | |
|--|---------------|
| Used by Snake River rights | 1,721,111 |
| Used by Henry's Fork rights | 143,497 |
| Transmission losses Snake River | 48,200 |
| Transmission losses Henry's Fork | 4,110 |
| Storage waste past Milner | 20,242 |
| Henry's Lake loss | 2,939 |
| In transit on Sept. 30 above American Falls | 1,080 |
| In transit below American Falls on Sept. 30 | 1,810 |
| <u>Holdovers on Sept. 30:</u> | |
| Jackson Lake | 273,140 |
| American Falls | 535,030 |
| Lake Walcott | 95,310 |
| Island Park | 29,060 |
| Henry's Lake | 52,060 |
| Grassy Lake | <u>11,930</u> |
| Total | 2,939,519 |

The slight variation in the totals is due to the fact that the contents of American Falls reservoir on September 30 were changing

at the rate of 3,000 acre-feet per day, and in the tabulation the daily average contents are used.

The following tabulation shows storage used from Jackson Lake and American Falls Reservoirs during 1949. In preparing this table (1) all upper valley canals were charged 7.26% from reservoir to headgates, (2) no loss was charged to lower valley canals for water owned in or transferred to American Falls reservoir, (3) the Minidoka Project was assumed to exhaust its Lake Walcott right and gain Neeley to Milner before charging any of its storage use to its American Falls and Jackson Lake rights.

Storage used during 1949 irrigation season
from Jackson Lake and American Falls Reservoirs
(acre-feet)

| <u>Canal</u> | <u>Jackson Lake</u> | | <u>American Falls</u> | |
|-----------------------|---------------------|--------------------|-----------------------|--------------------|
| | <u>at Reservoir</u> | <u>at Headgate</u> | <u>at Reservoir</u> | <u>at Headgate</u> |
| Aberdeen | 42,685 | 39,590 | 98,928 | 91,763 |
| Am. Falls Dist. #2 | 0 | 0 | 249,699 | 249,699 |
| John E. Austin | 50 | 46 | 0 | 0 |
| Clara E. Austin | 105 | 97 | 0 | 0 |
| John H. Austin | 0 | 0 | 103 | 95 |
| Blackfoot | 0 | 0 | 849 | 787 |
| Burgess | 5,120 | 4,749 | 16,687 | 15,475 |
| Butte & Market Lake | 0 | 0 | 4,514 | 4,186 |
| Corbett | 0 | 0 | 4,138 | 3,838 |
| Dilts | 0 | 0 | 855 | 793 |
| Enterprise Canal Co. | 6,100 | 5,658 | 15,309 | 14,197 |
| Enterprise Irr. Dist. | 0 | 0 | 15,000 | 13,910 |
| Farmers Friend | 1,718 | 1,593 | 0 | 0 |
| Harrison | 5,000 | 4,637 | 10,900 | 10,113 |
| Idaho Irr. Dist. | 0 | 0 | 18,800 | 17,435 |
| Idaho Power Co. | 0 | 0 | 33,719 | 33,719 |
| Klussman | 0 | 0 | 330 | 306 |
| Lenroot | 3,000 | 2,783 | 5,082 | 4,712 |
| Lowder | 81 | 75 | 0 | 0 |
| Martin | 1,500 | 1,391 | 3,280 | 3,040 |
| Milner Low Lift | 0 | 0 | 32,263 | 32,263 |
| Minidoka Project (a) | 167,239 | 167,239 | 50,000 | 50,000 |
| New Sweden Dist. | 5,000 | 4,637 | 26,600 | 24,670 |
| No. Side C. Co.(b)(a) | 30,288 | 30,288 | 492,289 | 492,289 |
| Owners Mutual | 200 | 186 | 0 | 0 |
| Peoples | 8,000 | 7,419 | 37,229 | 34,530 |
| Poplar Irr. Dist. | 1,200 | 1,113 | 1,242 | 1,152 |

Storage use - cont'd.

| Canal | Jackson Lake | | American Falls | |
|----------------------|--------------|-------------|----------------|-------------|
| | at reservoir | at headgate | at reservoir | at headgate |
| Progressive Irr.D. | 0 | 0 | 20,345 | 18,857 |
| Reid | 0 | 0 | 650 | 603 |
| Rudy | 2,000 | 1,855 | 5,735 | 5,218 |
| S. R. Valley Dist. | 15,000 | 13,910 | 36,625 | 33,965 |
| Sunnydell | 5,810 | 5,379 | 0 | 0 |
| Trego | 0 | 0 | 160 | 148 |
| Twin Falls Canal | 0 | 0 | 117,987 | 117,987 |
| Utah-Idaho Sugar Co. | 0 | 0 | 15,682 | 14,544 |
| Woodville | 0 | 0 | 8,116 | 7,527 |
| Miscell. rentals | 4,690 | 4,350 | 9,640 | 8,975 |
| Total | 304,786 | 296,995 | 1,332,756 | 1,306,906 |

(a) exchanged for American Falls

(b) includes Hillsdale District

RIVER LOSSES AND GAINS

Losses and gains between river stations are shown by monthly totals in the following tabulations, using time intervals given on Plate 15.

Gain in Snake River, Moran to Heise, 1949
(Heise dates and 24-hr. sec.-ft. except as noted)

| Station | May | June | July | Aug. | Sept. | Season |
|------------------|---------|---------|---------|---------|---------|-----------|
| Moran | 4,250 | 101,340 | 170,420 | 141,800 | 87,635 | 505,445 |
| Heise & Riley | 458,404 | 501,083 | 361,563 | 253,776 | 183,478 | 1,758,304 |
| Tot. gain s.f. | 454,154 | 399,743 | 191,143 | 111,976 | 95,843 | 1,252,859 |
| Mean gain s.f. | 14,650 | 13,325 | 6,166 | 3,612 | 3,195 | 8,189 |
| Tot. gain Ac.ft. | 900,801 | 792,879 | 379,127 | 222,101 | 190,102 | 2,485,010 |

The total gain for the season was about the same in acre-feet as a year ago. It was 71% of the run-off at Heise compared to 68% in 1948.

Gain in Snake River, Heise to Shelley, 1949
(Heise dates and 24-hr. sec.-ft. except as noted)

| Station | May | June | July | Aug. | Sept. | Season |
|---------------|---------|---------|---------|---------|---------|-----------|
| Heise & Riley | 458,404 | 501,083 | 361,563 | 253,776 | 183,478 | 1,758,304 |
| Rexburg | 156,950 | 112,890 | 36,411 | 47,700 | 46,500 | 400,451 |
| Tot. Supply | 615,354 | 613,973 | 397,974 | 301,476 | 229,978 | 2,158,755 |
| Diversions | 149,538 | 225,062 | 275,035 | 231,302 | 172,956 | 1,053,893 |

Gain Heise to Shelley - continued

| Station | May | June | July | Aug. | Sept. | Season |
|-----------------|---------|---------|---------|---------|---------|-----------|
| Shelley | 479,030 | 416,620 | 151,560 | 105,820 | 87,450 | 1,240,480 |
| Total Use | 628,568 | 641,682 | 426,595 | 337,122 | 260,406 | 2,294,373 |
| Total gain | 13,214 | 27,709 | 28,621 | 35,646 | 30,428 | 135,618 |
| Mean gain s.f. | 426 | 924 | 923 | 1,150 | 1,014 | 886 |
| Tot.gain Ac.ft. | 26,209 | 54,960 | 56,769 | 70,702 | 60,353 | 268,993 |

The gain was greater each month than a year ago. The total gain for the season was about 80,000 acre-feet greater than in 1948, probably due in large part to an increase of 200,000 acre-feet in the diversions.

Gain or Loss in Snake River, Shelley to Blackfoot, 1949
(Shelley dates and 24-hr. sec.-ft. except as noted)
Loss is -

| Station | May | June | July | Aug. | Sept. | Season |
|-----------------|---------|---------|---------|---------|--------|-----------|
| Shelley | 475,330 | 425,620 | 152,560 | 107,120 | 86,970 | 1,247,600 |
| Blackfoot R. | 6,419 | 3,266 | 761 | 1,415 | 1,222 | 13,083 |
| Total supply | 481,749 | 428,886 | 153,321 | 108,535 | 88,192 | 1,260,683 |
| Diversions | 82,421 | 101,142 | 111,860 | 82,877 | 62,270 | 440,570 |
| Blackfoot | 398,050 | 336,450 | 46,173 | 29,372 | 29,483 | 839,528 |
| Total Use | 480,471 | 437,592 | 158,033 | 112,249 | 91,753 | 1,280,098 |
| Tot.diff.s.f. | -1,278 | 8,706 | 4,712 | 3,714 | 3,561 | 19,415 |
| Mean diff.s.f. | -41 | 290 | 152 | 120 | 119 | 127 |
| Tot.diff.ac.ft. | -2,534 | 17,268 | 9,346 | 7,366 | 7,063 | 38,509 |

A small gain occurred each month except during May. The seasonal gain of 38,500 acre-feet compares with a seasonal loss of 12,300 acre-feet a year ago.

Gain or loss in Snake River, Blackfoot to Neeley, 1949
(Neeley dates and 24-hr. sec.-ft. except as noted)
Loss is -

| Station | May | June | July | Aug. | Sept. | Season |
|-----------------|----------|---------|---------|---------|---------|-----------|
| Blackfoot | 393,490 | 347,740 | 48,746 | 30,067 | 28,425 | 848,468 |
| Inflow | 94,397 | 86,193 | 83,914 | 86,234 | 85,716 | 436,454 |
| Res. draft | -155,692 | -44,442 | 234,922 | 227,243 | 115,565 | 377,596 |
| Tot. supply | 332,195 | 389,491 | 367,582 | 343,544 | 229,706 | 1,662,518 |
| Neeley | 314,420 | 372,700 | 370,500 | 351,570 | 229,420 | 1,638,610 |
| Tot.diff.s.f. | -17,775 | -16,791 | 2,918 | 8,026 | -286 | -23,908 |
| Mean diff.s.f. | -573 | -560 | 94 | 259 | -10 | -156 |
| Tot.diff.ac.ft. | -35,256 | -33,305 | 5,788 | 15,920 | -567 | -47,420 |

The net loss of 47,420 acre-feet during the five months period compares with a loss during the same period in 1948 of 31,370 acre-feet. During the period of storage draft June 27 to September 30 the net gain from American Falls reservoir bank storage, in excess of evaporation losses, was 16,740 acre-feet.

Gain or Loss in Snake River, Neeley to Minidoka, 1949
(Minidoka dates and 24-hr. sec.-ft. except as noted)

| Station | Loss is - | | | | | |
|------------------|-----------|---------|---------|---------|---------|-----------|
| | May | June | July | Aug. | Sept. | Season |
| Neeley | 315,050 | 371,940 | 370,600 | 352,340 | 231,000 | 1,640,930 |
| Walcott | -2,344 | -1,311 | - 363 | 1,674 | - 887 | -3,231 |
| Tot. supply | 312,706 | 370,629 | 370,237 | 354,014 | 230,113 | 1,637,699 |
| N. Minidoka | 43,009 | 39,580 | 49,240 | 40,683 | 25,274 | 197,786 |
| S. Minidoka | 27,089 | 33,191 | 38,850 | 36,605 | 23,160 | 158,895 |
| Minidoka | 254,120 | 299,080 | 274,700 | 271,780 | 179,360 | 1,279,040 |
| Tot. acct. for | 324,218 | 371,851 | 362,790 | 349,068 | 227,794 | 1,635,721 |
| Tot. diff. s.f. | 11,512 | 1,222 | -7,447 | -4,946 | -2,319 | -1,978 |
| Mean diff. s.f. | 371 | 41 | - 240 | - 160 | - 77 | - 13 |
| Tot. diff. ac.f. | 22,834 | 2,423 | -14,771 | -9,810 | -4,600 | -3,924 |

As has occurred in many years a gain is shown during May and June. Lake Walcott was held up to maximum levels during September for power production causing a loss instead of the usual gain from bank storage return that month.

Gain in Snake River, Minidoka to Milner, 1949
(Milner dates and 24-hr. sec.-ft. except as noted)

| Station | May | June | July | Aug. | Sept. | Season |
|-----------------|---------|---------|---------|---------|---------|-----------|
| Minidoka | 254,450 | 298,990 | 274,570 | 271,810 | 182,080 | 1,281,900 |
| P. A. | 1,828 | 1,770 | 2,095 | 2,186 | 1,295 | 9,174 |
| Milner Low Lift | 5,324 | 4,292 | 5,935 | 6,121 | 3,866 | 25,538 |
| Gooding | 66,200 | 71,090 | 80,990 | 77,140 | 57,280 | 352,700 |
| No. Side | 78,400 | 72,180 | 80,360 | 80,120 | 45,802 | 356,862 |
| So. Side | 106,260 | 97,150 | 110,620 | 109,590 | 72,880 | 496,500 |
| Milner | 4,315 | 59,962 | 4,387 | 8,831 | 14,422 | 91,917 |
| Tot. use s.f. | 262,327 | 306,444 | 284,387 | 283,988 | 195,545 | 1,332,691 |
| Tot. gain s.f. | 7,877 | 7,454 | 9,817 | 12,178 | 13,465 | 50,791 |
| Mean gain s.f. | 254 | 248 | 317 | 393 | 449 | 332 |
| Tot. gain ac.f. | 15,624 | 14,784 | 19,471 | 24,155 | 26,707 | 100,741 |

The net gain from Neeley to Milner during the period of storage use by the Minidoka Project June 27-Sept. 15 and Sept. 24-28, amounting to 35,400 acre-feet was credited to that project as part of its storage supply. This was about 15,000 acre-feet less than the credit in 1948 probably due to the Minidoka Project diversions May to September 1949 being about 32,000 acre-feet less than during the same months in 1948 and to Lake Walcott being held up to full capacity during September 1949 for power production instead of being drawn down in September as usual, permitting return flow from bank storage.

DISTRIBUTION ON HENRYS FORK

Melvin Luke, Deputy Watermaster and hydrographer, with headquarters in St. Anthony, was in immediate charge of water distribution on Henrys Fork, Fall River, and lower Teton River. All reservoirs filled, with stored water releases beginning July 2 at Island Park, July 18 at Henrys Lake, and July 28 at Grassy Lake. The release from Grassy Lake was made to draw the lake down for the winter months rather than for any need for the water under conditions existing in 1949.

The segregation between normal flow and stored water at the outlets of these reservoirs was made as follows:

Henrys Lake.- Normal flow entering the Lake was measured or estimated at intervals and any flow at the outlet station in excess thereof was classed as stored water.

Island Park.- Daily drop in lake was converted to second-feet and called stored water. This was decreased by 30 second-feet daily for first three weeks of storage draft and increased by 30 second-feet daily during last three weeks in August to allow for increased evaporation losses with full or nearly full reservoir and return flow from bank storage during the heavy drawdown of the reservoir. The daily stored water so computed was subtracted from the total flow at the outlet station to give normal flow. The results at times were averaged over short intervals to avoid sharp daily fluctuations in normal flow. For the entire season the total stored water passing the outlet station equaled the drop in Island Park reservoir plus storage inflow to that reservoir from Henrys Lake and the Sheridan Creek decree of the Fremont-Madison District. This method of segregation is based on several years detailed studies of conditions at

the reservoir site before and after beginning of storage.

Rights were cut as follows on Henrys Fork and Fall River:

July 11 Cut off 1902 priorities

Balance of season followed the Snake River schedule shown on pages 12 and 13.

The following schedule applied on Teton River:

July 20 Cut to June 1, 1885 priority

Aug. 17 Restored all 1889 rights

Balance of season followed the Snake River schedule above referred to.

Stored water was carried thru the Cross Cut Canal to Teton River from July 18 to August 19, inclusive, delivering 6,874 acre-feet of storage to Teton River during that period. Teton River users also diverted an additional 8,471 acre-feet of storage (measured at St. Anthony station) from the direct flow of Teton River and its tributaries, that would otherwise have been delivered to Henrys Fork under the priorities being filled. The loss in the Cross Cut Canal to Teton River averaged 15.5% during 1949. In preparing Plate 23 showing storage diversions on Teton River the St. Anthony equivalent of upstream storage diversions was credited day by day to the downstream canals as natural flow before computing daily storage charged to such canals, instead of crediting the upstream storage use as a lump sum credit to the lower canals storage allotment as has been done in past years.

Users in the Island Park region were allotted 310 acre-feet by the Fremont-Madison District and purchased an additional 500 acre-feet from that District, 60 acre-feet from the United States, and 20 acre-feet from the Twin Falls Canal Company. No particular regulation difficulties occurred in that region during 1949 as a local deputy was appointed and made occasional visits to Sheridan Creek where most of the troubles in past years have occurred.

Stored water allotments from Henrys Fork reservoirs in 1949 were as follows:

Henrys Lake Allotment

| | | |
|--------------------------------|--|------------------|
| Contents July 18 | | 78,342 acre-feet |
| Estimate dead storage and loss | | <u>3,000</u> " |
| Available | | 75,342 acre-feet |

Allotted:

| | | |
|----------------------|-------------|------------------|
| Dewey | 1.43% | 1,077 acre-feet |
| Last Chance | 13.87 | 10,450 " |
| St. Anthony Union | 6.8 | 5,123 " |
| Salem Union | 24.2 | 18,233 " |
| Egin | 6.8 | 5,123 " |
| Independent | 26.8 | 20,192 " |
| Consolidated Farmers | <u>20.1</u> | <u>15,144</u> " |
| Total | 100.0 | 75,342 acre-feet |

The drop in Henrys Lake contents from July 18 to September 30 amounted to 26,282 acre-feet. During the same period the stored water passing the outlet station under the method of calculation previously described was 23,343 acre-feet, leaving 2,939 acre-feet as loss in the lake. Around the upper three-fourths of Henrys Lake the ground-water is tributary to the lake but in the vicinity of the outlet the lake level when fairly well filled is higher than the adjacent ground-water levels so that in this section the lake likely loses water by percolation in addition to the evaporation losses.

Fremont-Madison District Allotment
1949

| | |
|-------------------------------|-------------------|
| Island Park Reservoir, July 2 | 133,030 acre-feet |
| Grassy Lake, July 28 | 15,182 " |
| Sheridan Creek decree | <u>2,165</u> " |
| Total | 150,377 acre-feet |

The District allotted 130,052 acre-feet of its stored water in 1949 leaving about 20,000 acre-feet unallotted. Those canals that exhausted their regular allotment in 1949 were allowed to divert an additional 15% which is included in the 130,052 acre-feet figure.

The storage balance for the season at the Rexburg gaging station was -7,663 second-feet or -15,199 acre-feet, which means that the Henrys Fork canals diverted 15,199 acre-feet of Snake River storage during 1949 by exchange for retained natural flow. Snake River rights owned, leased or rented by Henrys Fork canals were:

| | Jackson Lake Reservoir (acre-feet) | Headgate (acre-feet) |
|--------------------------|--|-------------------------|
| Enterprise Irr. District | 15,000 | 13,910 |
| Rentals | <u>1,280</u> | <u>1,187</u> |
| | 16,280 | 15,097 |

Accordingly there were 102 acre-feet (Rexburg measurement) of American Falls water in Island Park reservoir on September 30, 1949.

Diversions during 1949 irrigation season on
Henrys Fork, Fall River, and lower Teton River.

| <u>Canal</u> | <u>Diversions (acre-feet)</u> | <u>Area Irrigated (acres)</u> | <u>Acre-feet per acre</u> |
|---------------------------|-----------------------------------|---------------------------------------|-------------------------------|
| <u>Fall River Canals</u> | | | |
| Yellowstone | 1,910 | 700 | 2.7 |
| Marysville | 39,200 | 15,000 | 2.6 |
| Farmers Own | 11,500 | 4,600 | 2.5 |
| Enterprise | 34,200 | 5,900 | 5.8 |
| Bell | 1,340 | 320 | 4.2 |
| Fall River | 97,100 (a) | 8,600 | 11.3 |
| Chester | 12,800 | 1,350 | 9.5 |
| McBee | 840 | 120 | 7.0 |
| Silkey | 2,960 | 680 | 4.4 |
| Cur | 7,200 | 1,300 | 5.5 |
| Total Fall River | 209,050 | 38,570 | 5.4 |
| <u>Henrys Fork Canals</u> | | | |
| Dewey | 4,100 | 1,000 | 4.1 |
| Last Chance | 16,600 | 1,840 | 9.0 |
| St. Anthony Union | 129,000 | 10,000 | 12.9 |
| Farmers Friend | 25,400 | 2,800 | 9.1 |
| Twin Groves | 33,200 | 2,500 | 13.3 |
| Salem Union | 48,600 | 5,200 | 9.4 |
| Egin | 73,100 | 6,000 | 12.2 |
| St. Anthony Un. Feeder | 18,800 | 2,000 | 9.4 |
| Independent | 74,500 | 7,000 | 10.6 |
| Consol. Farmers | 51,400 | 6,000 | 8.6 |
| Total Henrys Fork | 474,700 | 44,340 | 10.7 |

1949 Diversions on Henrys Fork, Fall R. & lower Teton R.- cont'd.

| Canal | Diversions (acre-feet) | Area Irrigated (acres) | Acre-feet per acre |
|--|---------------------------|------------------------------|-----------------------|
| <u>Lower Teton Canals</u> | | | |
| Siddoway | 2,150 | 500 | 4.3 |
| Wilford | 34,600 | 2,500 | 13.8 |
| Teton Irrigation | 22,700 | 2,000 | 11.4 |
| Good Luck | 3,490 | 360 | 9.7 |
| Pioneer | 2,380 | 300 | 7.9 |
| Stewart | 2,960 | 390 | 7.6 |
| Pincock-Byington | 2,590 | 320 | 8.1 |
| Pincock-Garner | 3,360 | 400 | 8.4 |
| Teton Isl. Feeder | 86,500 | 10,400 | 8.3 |
| North Salem | 580 | 500 | 1.2 |
| Roxana | 2,480 | 720 | 3.4 |
| Island Ward | 9,600 (b) | 3,000 | 3.2 |
| Woodmansee-Johnson | 6,610 (c) | 1,000 | 6.6 |
| City of Rexburg | 7,790 | 1,200 | 6.5 |
| Rexburg Irrigation | 47,500 | 5,400 | 8.8 |
| McCormick Rowe | 790 | 150 | 5.3 |
| Saurey-Sommers | 4,260 | 600 | 7.1 |
| Gardner | 360 | 200 | 1.8 |
| Eames-Thompson | 200 | 40 | 5.0 |
| Total Lower Teton R. | 240,900 | 29,980 | 8.0 |
| Total Fall River, Henrys Fork & Lower Teton River | 924,650 | 112,890 | 8.1 |

- (a) Includes 9,416 acre-feet diverted thru Cross-Cut
- (b) Used additional water from Henrys Fork thru Consolidated Farmers.
- (c) Used additional water from Moody Creek and Teton Irr. canal waste.

Total diversions were about 57,000 acre-feet greater than a year ago. The above canals used 134,822 acre-feet of stored water or 14.6% of their total diversions for the season. The stored water, however, was 27% of the diversions during July, August and September when it was being used.

Diversions by some of the larger canals in the headwater areas were as follows during the period May 15 to September 30. Daily records are not secured on these canals and discharges have been estimated for portions of the season to get the totals shown below.

| Canal | Diversions (acre-feet) | Area (acres) | Acre-feet per acre |
|-----------------------------|---------------------------|-----------------|-----------------------|
| String Canal | 13,000 | 2,300 | 5.6 |
| Trail Cr. Irrig. | 28,300 | 5,000 | 5.6 |
| Fox Cr. Irrig. | 12,300 | 3,765 | 3.3 |
| Grand Teton Canyon Creek | 27,000 | 6,500 | 4.1 |
| Conant Creek | 6,250 | 2,400 | 2.6 |
| Squirrel Creek | 2,380 | 2,000 | 1.2 |
| | 800 | 375 | 2.1 |

Gain in Henrys Fork Basin, 1949

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

| | |
|---------------------------|---------|
| Lake to Island Park | 20 hrs. |
| Island Park to Warm River | 14 " |
| Warm River to Ashton | 5 " |
| Ashton to St. Anthony | 5 " |
| St. Anthony to Rexburg | 12 " |
| Squirrel to Chester | 8 " |
| Tetonia to St. Anthony | 10 " |

Gain in Henrys Fork, Lake to Island Park, 1949

(Island Park dates and 24-hr. sec.-ft. except as noted)

| Station | May | June | July | Aug. | Sept. | Season |
|-----------------|---------|--------|--------|--------|--------|---------|
| Lake | 500 | 1,700 | 4,210 | 7,155 | 4,023 | 17,588 |
| I. P. release | -10,035 | 1,465 | 20,109 | 22,985 | 9,365 | 43,889 |
| Tot. supply | -9,535 | 3,165 | 24,319 | 30,140 | 13,388 | 61,477 |
| Isl. Park | 23,894 | 20,980 | 38,164 | 44,081 | 27,134 | 154,253 |
| Tot. gain s.f. | 33,429 | 17,815 | 13,845 | 13,941 | 13,746 | 92,776 |
| Mean gain s.f. | 1,078 | 594 | 447 | 450 | 458 | 606 |
| Tot. gain ac.f. | 66,306 | 35,336 | 27,461 | 27,651 | 27,265 | 184,019 |

The total gain for the season was practically the same as in 1948, altho more of the run-off occurred in May and less in June than was the case a year ago. The gain July thru September was also slightly less than in 1948.

Gain in Henrys Fork, Island Park to Warm River, 1949

(Warm River dates and 24-hr. sec.-ft. except as noted)

| <u>Station</u> | <u>May</u> | <u>June</u> | <u>July</u> | <u>Aug.</u> | <u>Sept.</u> | <u>Season</u> |
|-----------------|------------|-------------|-------------|-------------|--------------|---------------|
| Island Park | 23,691 | 21,230 | 37,345 | 44,621 | 27,375 | 154,262 |
| Warm River | 45,608 | 36,370 | 49,710 | 55,130 | 38,302 | 225,120 |
| Tot. gain s.f. | 21,917 | 15,140 | 12,365 | 10,509 | 10,927 | 70,858 |
| Mean gain s.f. | 707 | 505 | 399 | 339 | 364 | 463 |
| Tot. gain ac.f. | 43,472 | 30,030 | 24,526 | 20,845 | 21,674 | 140,547 |

The May-June gain was a little greater and July to September gain somewhat less than a year ago, leaving the seasonal gain about the same.

Gain in Henrys Fork, Warm River to Ashton, 1949

(Ashton dates and 24-hr. sec.-ft. except as noted)

| <u>Station</u> | <u>May</u> | <u>June</u> | <u>July</u> | <u>Aug.</u> | <u>Sept.</u> | <u>Season</u> |
|-----------------|------------|-------------|-------------|-------------|--------------|---------------|
| Warm River | 45,610 | 36,480 | 49,444 | 55,324 | 38,368 | 225,226 |
| Ashton | 79,290 | 54,400 | 62,270 | 67,270 | 50,380 | 313,610 |
| Tot. gain s.f. | 33,680 | 17,920 | 12,826 | 11,946 | 12,012 | 88,384 |
| Mean gain s.f. | 1,086 | 597 | 414 | 385 | 400 | 578 |
| Tot. gain ac.f. | 66,804 | 35,544 | 25,440 | 23,694 | 23,826 | 175,308 |

The gain was greater each month than in 1948, the total for the season being 18,000 acre-feet in excess of the 1948 gain. The gain in this section comes from the inflow of Warm River and Robinson Creeks.

Gain in Henrys Fork, Ashton to St. Anthony, 1949

(St. Anthony dates and 24-hr. sec.-ft. except as noted)

| <u>Station</u> | <u>May</u> | <u>June</u> | <u>July</u> | <u>Aug.</u> | <u>Sept.</u> | <u>Season</u> |
|-----------------|------------|-------------|-------------|-------------|--------------|---------------|
| Ashton | 79,330 | 54,604 | 62,014 | 67,459 | 50,436 | 313,843 |
| Chester | 81,738 | 51,912 | 5,692 | 4,518 | 5,577 | 149,437 |
| Tot. supply | 161,068 | 106,516 | 67,706 | 71,977 | 56,013 | 463,280 |
| Diversions | 33,024 | 29,306 | 34,338 | 29,677 | 16,652 | 142,997 |
| St. Anthony | 135,640 | 81,312 | 36,218 | 47,460 | 39,520 | 340,150 |
| Total use | 168,664 | 110,618 | 70,556 | 77,137 | 56,172 | 483,147 |
| Tot. gain s.f. | 7,596 | 4,102 | 2,850 | 5,160 | 159 | 19,867 |
| Mean gain s.f. | 245 | 137 | 92 | 166 | 5 | 130 |
| Tot. gain ac.f. | 15,066 | 8,136 | 5,653 | 10,234 | 315 | 39,404 |

The ground-water in this section must be at higher levels than in previous years as an average gain of 130 second-feet is indicated compared to an average loss of one second-foot in 1948 and an average loss of four second-feet in 1947.

Gain in Fall River, Squirrel to Chester, 1949

(Chester dates and 24-hr. sec.-ft. except as noted)

| Station | May | June | July | Aug. | Sept. | Season |
|-----------------|--------|--------|--------|--------|--------|---------|
| Squirrel | 80,923 | 64,382 | 18,709 | 16,622 | 17,167 | 197,803 |
| Diversions | 12,738 | 19,755 | 17,198 | 13,196 | 12,323 | 75,210 |
| Chester | 81,830 | 51,492 | 5,624 | 4,533 | 5,605 | 149,084 |
| Tot. acct. for | 94,568 | 71,247 | 22,822 | 17,729 | 17,928 | 224,294 |
| Tot. gain s.f. | 13,645 | 6,865 | 4,113 | 4,533 | 5,605 | 34,761 |
| Mean gain s.f. | 440 | 229 | 133 | 146 | 187 | 227 |
| Tot. gain ac.f. | 27,064 | 13,617 | 8,158 | 8,991 | 11,117 | 68,947 |

The gain during May and June was less and during July-September greater than a year ago, the total gain for the season, however, being about the same as in 1948.

Gain in Teton River, Tetonia to St. Anthony, 1949

(St. Anthony dates and 24-hr. sec.-ft. except as noted)

| Station | May | June | July | Aug. | Sept. | Season |
|------------------|--------|--------|--------|--------|--------|---------|
| Tetonia | 27,676 | 28,905 | 16,515 | 11,888 | 9,875 | 94,859 |
| Cross Cut inflow | 0 | 0 | 1,749 | 1,717 | 0 | 3,466 |
| Total Supply | 27,676 | 28,905 | 18,264 | 13,605 | 9,875 | 98,325 |
| St. Anthony | 73,710 | 56,180 | 28,605 | 21,064 | 17,073 | 196,632 |
| Tot. gain s.f. | 46,034 | 27,275 | 10,341 | 7,459 | 7,198 | 98,307 |
| Mean gain s.f. | 1,485 | 909 | 334 | 241 | 240 | 643 |
| Tot. gain ac.f. | 91,307 | 54,099 | 20,511 | 14,794 | 14,277 | 194,988 |

The gain for the season was about 5,800 acre-feet greater than in 1948.

Gain in Henrys Fork and Teton River, St. Anthony to Rexburg, 1949

(St. Anthony dates and 24-hr. sec.-ft. except as noted)

| Station | May | June | July | Aug. | Sept. | Season |
|-----------------|---------|---------|--------|--------|--------|---------|
| Teton River | 73,710 | 56,180 | 28,605 | 21,064 | 17,073 | 196,632 |
| St. Anthony | 135,640 | 81,312 | 36,218 | 47,460 | 39,520 | 340,150 |
| Tot. Supply | 209,350 | 137,492 | 64,823 | 68,524 | 56,593 | 536,782 |
| H.Fork diver. | 29,066 | 23,071 | 24,195 | 19,949 | 13,541 | 109,822 |
| Teton diver. | 26,186 | 32,415 | 27,595 | 20,632 | 14,743 | 121,571 |
| Rexburg | 157,955 | 110,645 | 36,506 | 47,530 | 46,725 | 399,361 |
| Tot. acct. for | 213,207 | 166,131 | 88,296 | 88,111 | 75,009 | 630,754 |
| Tot. gain s.f. | 3,857 | 28,639 | 23,473 | 19,587 | 18,416 | 93,972 |
| Mean gain s.f. | 124 | 955 | 757 | 632 | 614 | 614 |
| Tot. gain ac.f. | 7,650 | 56,804 | 46,558 | 38,850 | 36,527 | 186,389 |

The seasonal gain was about 5,000 acre-feet greater than a year ago.

MISCELLANEOUS MEASUREMENTS 1949

| Date | Stream | Discharge (sec.-ft.) |
|---------|---|-------------------------|
| Aug. 22 | Waste water inflow from Cross Cut Canal into Teton River | 15. |
| Aug. 22 | Waste water inflow from Hog Hollow into Teton River | 45. |
| July 21 | Big Springs at Big Springs, Island Park | 182. |
| Sept. 1 | Snake River below all diversions nr. Blackfoot | 45.6 |
| Aug. 2 | Measurements on Antelope Cr., Bonneville Co. | |
| 1. | At Forks nr. center Sec. 19, T. 2 N., R. 42 E. Inflow 300' downstream | 1.71 .01 |
| 2. | At footbridge near 1/4 cor. between Secs. 17, 18 Gain in Creek between 1 & 2 = 0.42 s.f. | 2.14 2.55 |
| 3. | Above Twin Springs nr. So. line Sec. 8 Gain in Creek between 2 & 3 = 0.41 s.f. Inflow from Twin Springs | 0.15 2.24 |
| 4. | At Summers house nr. So. line Sec. 5 Loss in Creek between 3 & 4 = 0.46 s.f. | |
| | Overall gain in creek between 1 & 4 = 0.37 s.f. | |

TETON BASIN

C. D. Cooper acted as Deputy Watermaster in Teton Basin during the 1949 regulation period.

On February 26, 1949 the water-users on the upper and lower Teton River signed an agreement setting forth the terms of exchange of stored water for natural flow diverted in Teton Basin. On account of the many years that this subject has been under discussion and investigation the following information is presented as a matter of record of the terms of the agreement.

Rexburg, Idaho, April 22, 1948

Meeting of the committee representing the water users of the Upper and Lower Teton River.

The Upper Water users were represented by Howard Tonks, George Rust, Van O. Dustin, Marvis Murdock, Sterling Cherry, Frank McBride, Eugene W. Ross, J. R. Blanchard, and L. P. Kersley.

The Lower water users were represented by R. Willis Walker, L. Eric Johnson, Ephriam Ricks, Martin L. Nave, Joseph Bohi, J. C. Siddoway, and F. L. Davis, Secretary.

Mr. Tonks read excerpts from the letter of Mark R. Kulp, State Reclamation Engineer, who recommended an exchange of 1.75 acre feet for each acre-foot of storage water measured at the reservoir outlet, and stated they were willing to agree to such an exchange on that basis.

Minutes of a meeting held Mar. 29, 1944 were read and approved.

The water users of the Upper Valley asked for a short time to caucus, which was agreed. After returning they felt we should split the difference between 1.50 and 1.75.

After some discussion it was proffered that the exchange be 1.62½ to 1 delivered in the Teton River.

It was moved by Mr. Tonks that we make the exchange of 1.62½ to One delivered in the Teton River at the mouth of the Cross Cut Canal. Motion seconded by J. C. Siddoway. Carried.

Motion and second that we do adjourn, carried unanimously.

F. L. Davis, Secretary.

Rexburg, Idaho, April 30, 1948

Minutes of a meeting of the Lower Teton Water Users which was called by the Committee selected for the exchange of water between the users of water from the Teton River between the Upper Water Users and the Lower Water Users.

Those present were: George Ostler representing the Teton Island Canal; R. Willis Walker representing the Teton Island Canal; J. F. Sellers representing the Island Ward Canal; Leo J. Huskinson, Woodmansee-Johnson Rexburg Ditch Co.; Jay P. Davis representing the Teton Island Canal; Joe Jeppson the Teton Island Canal; W. R. Dalling the Salem Irrigation Canal; J. B. De Mott, City of Rexburg; W. A. Pincock, Wolf Slough and Teton Island Feeder; L. Eric Johnson, Wilford Canal; T. L. Beech and Henry Trupp, the Wilford Canal Co.; Leland Anderson, the Teton Irrigation Mfg. Co.; H. N. Sorensen, the Siddoway Canal; Joseph Bohi, the Salem Irrigation Canal; J. H. Wilding, the Woodmansee-Johnson Rexburg Ditch Co.; Leo Shirley, the Teton Irrigation Co.; Martin L. Nave, the W.J.R.D. Co.; Eph. Ricks, Teton Island Canal Co.; Farrell Nelson, the Rexburg City, James Siddoway representing the Siddoway Irrig. Mfg. Canal and the East Teton Canal.

It was explained the purpose of the meeting was to approve the agreement arrived at between the upper waterusers of the Teton River and the Lower Water Users at a meeting held April 22, 1948, in which both committees agreed to an exchange of water on a basis of 1.62½ acre-feet of natural flow in the Teton River for one acre-foot of storage water from the Island Park Reservoir delivered in the Teton River at the mouth of the Cross Cut Canal.

After a lengthy discussion in which nearly all parties participated and reports made of the earlier meeting, it was moved by Farrell Nelson representing the City of Rexburg, that we approve the plan of exchange on the basis of 1.62½ to one acre-foot of water delivered to us in the Teton River at the mouth of the Cross Cut canal. Motion seconded by J. H. Wilding of the W.J.R.M.D. Co. Carried unanimously.

The committee was instructed to proceed to have contract drawn accordingly.

F. L. Davis, Secretary

Victor, Idaho, July 3, 1948

Mr. Frank Davis,
Sec. Lower Water Users
Rexburg, Idaho

Dear Mr. Davis:

This letter will authorize you to go ahead with the contract as we agreed upon when we met with you.

Our water users and the users from the String Canal Company met and they approved of the delivery of 1.62 $\frac{1}{2}$ to one as we agreed upon.

Yours respectfully,

Trail Creek Irrigation Co.,
(Signed) Howard Tonks, President
Van O. Dustin, Secretary

String Canal Co.
(Signed) George Rust, President
Lorin P. Kersley, Secretary

- - - - -

TETON RIVER AGREEMENT

WHEREAS, for the past fifteen years or longer there has been considerable contention and argument between upper and lower users on Teton River as to what would constitute a fair and equitable agreement by which the upper users would be permitted to divert stored water when their priority rights are cut off by exchange for natural flow with downstream users, and

WHEREAS, during these years many measurements and reports on this matter have been made by the Idaho State Reclamation Engineer and the District No. 36 Watermaster, and

WHEREAS, we have studied these reports and from them and our own knowledge are fully familiar with the situation;

NOW, THEREFORE, BE IT RESOLVED, that we the undersigned who have been duly selected by the waterusers and canal companies on Teton River to represent them in this matter and who have approved the terms of this agreement, do hereby agree that at times when stream flow regulation is in effect on Teton River the waterusers in Teton Basin shall be allowed to divert 1.625 times the amount of water that they deliver to lower Teton River at the end of the Cross Cut canal. All waterusers on Teton River and its tributaries involved in this agreement are to maintain suitable headgates and measuring devices satisfactory to the State Reclamation Department so that their diversions can be controlled and measured.

In witness whereof, we hereby sign this agreement this 26th day of February, 1949.

For Lower Teton River:

R. Willis Walker
Martin L. Nave
Joseph Bohi
L. Eric Johnson

J. C. Siddoway
J. F. Sellers
F. Davis

For Upper Teton River:

Trail Creek Irrig. Co.
Howard Tonks, Pres.
Van O. Dustin, Sec'y

String Canal Co.
Geo. Rust, Pres.
Lorin P. Kearsley, Sec'y

In accordance with the foregoing agreement stored water delivered in Teton Basin was charged on the basis of 1.625 acre-feet diverted for each acre-foot delivered at the St. Anthony gaging station on Teton River just below the mouth of the Cross Cut Canal. During the period that the Cross Cut Canal is in operation the Teton Basin users have to stand the loss in that canal, which has been about 15% during the past several years. At other times when the flow of water in the lower Teton River is sufficient to supply the demand without using the Cross Cut Canal that stream is operated according to the Snake River priority schedule and the stored water to replace that being diverted in Teton Basin is carried down Henrys Fork and delivered to the rights on Henrys Fork or Snake River entitled to its use under the priority schedule in effect. At such times the Teton Basin users do not have to stand the Cross Cut Canal loss and can divert 1.625 times the amount of water delivered down Henrys Fork.

During the 1949 season the Teton Basin users diverted 10,525 acre-feet of storage, corresponding to 6,478 acre-feet delivered on lower Teton River or Henrys Fork. This was equivalent to 7,429 acre-feet in Island Park Reservoir. The Teton Basin users were allotted 6,675 acre-feet for their primary storage right plus 663 acre-feet supplemental as their share of unsold space owned by the Fremont-Madison District, plus 1,464 seasonal rentals or a total allotment of 8,802 acre-feet, reservoir measurement. At the time the Teton Basin users acquired space in the Fremont-Madison District, stored water in Teton Basin was being diverted on a two to one basis. With the ratio now fixed at 1.625 to 1 it is apparent that those

users should now acquire additional reservoir space while it can still be procured if they are to have enough stored water to permit them to divert all the available natural flow in the Teton Basin streams, at times when their priority rights are cut off.

Interstate regulation on Teton Creek was handled by C. D. Cooper for Idaho and T. Ross Wilson for Wyoming. Records of the discharge of the various diversions from this stream are shown on Plate 24. It is reported that the capacity of the Wyoming ditches on this creek has been considerably increased during the past several years and that thereby the Idaho users are deprived of water they had received in past years during the period when the flow of the stream is declining from its flood water peak to 170 second-feet. The Federal Court decree on Teton Creek allows the Wyoming users to divert as much water as they can apply to beneficial use when the flow of the creek is in excess of 170 second-feet. Between a creek flow of 170 second-feet and 90 second-feet they are allowed one second-foot for each 50 acres of land. Below a total flow of 90 second-feet the waters are divided equally between Idaho and Wyoming. On the basis of one second-foot per 50 acres of land the Wyoming users would be entitled to divert about 67 second-feet. Due to the increase in capacity of the Wyoming ditches they can now divert 180 second-feet or in excess of $2\frac{1}{2}$ miners inches per acre, and with a creek flow of 180 second-feet they would leave nothing at all for the prior Idaho right of the Grand Teton Canal, serving nearly twice as much land as that irrigated in Wyoming. The Grand Teton Canal Company was not a party to the suit in which the division of water between Idaho and Wyoming was set forth by the Wyoming Federal Court.

This matter has been discussed with Wyoming water-users and representatives of the office of the Wyoming State Engineer to see if some agreement could be reached to modify the Federal Court decree by a compact between the states, either as a separate compact or as a part of the Snake River compact now awaiting action by the state legislatures.

At a meeting held in Driggs on October 20, 1949, the Wyoming representatives stated that they were unwilling to agree to a settlement of the matter without more detailed study of water use on Teton Creek. They suggested that the Wyoming State Engineer detail a man to make such a study in 1950. The question was referred to an engineering sub-committee for further study and recommendation.

Considerable feeling was aroused among early priority users on South Leigh Creek due to water being diverted in Wyoming just east of the State Line for use by late priorities in Idaho under the Big Hog, Little Hog, Fullmer and Peacock ditches. The headgates are in Wyoming, hence their regulation is outside of the jurisdiction of the Idaho watermaster. The ditches have no Wyoming rights and the Wyoming officials feel that they have no basis for regulating the headgates unless so provided in a compact or Federal Court decree. They feel that the Idaho Court erred in decreeing water diverted in Wyoming. The Idaho Attorney General has held that when the water crosses the state line it is in a ditch and not in the natural creek channel, hence the Idaho watermaster is not authorized by statute to cut the ditch bank and turn it back into the natural stream channel in Idaho.

The Watermaster suggested to the early priority rights in Idaho that they adopt one of the following courses of procedure:

1. Try to get an Idaho-Wyoming compact providing for regulation of the headgates in Wyoming to fill their rights,
2. Bring an action in the Idaho District Court, where their rights were decreed, to compel the canal company to build a wasteway back to the creek after the water gets into Idaho and authorize the Idaho watermaster to regulate the water in the canal at this wasteway, according to Idaho priorities.

Discharge of West Side Creeks above diversions, 1949
(second-feet)

| <u>Stream</u> | <u>June</u> | <u>June 30</u> | <u>Aug. 20</u> |
|---------------|-------------|----------------|----------------|
| Packsaddle | 44. | 9.3 | 1.3 |
| Horseshoe | 34. | 15.3 | 4.2 |
| No. Twin | - | 3.0 | 0.1 |
| Middle Twin | - | 0.5 | 0 |
| So. Twin | - | 0.4 | 0 |
| Mahogany | 54 | 14.5 | 5.1 |
| Paradise | | 4.8 | 2.8 |
| Bouquet | | 0.7 | 0.2 |
| Patterson | | 4.5 | 0.4 |
| X Creek | | 2.0 | 1.3 |
| Grove Creek | | 2.8 | 0.7 |
| Warm Springs | | 1.1 | 0.7 |
| Drake | | 1.4 | 0.6 |
| Johns | | 3.0 | 0.5 |
| Deep | | 0.5 | 0.2 |
| Pine | | - | 0.2 |
| Warm Creek | | - | 5.7 |

DISTRIBUTION IN SWAN VALLEY SECTION

F. S. Thomas acted as deputy watermaster on the various creeks tributary to Snake River between Alpine and Swan Valley. He also acted as watermaster on the local canals for which service the local water-users paid \$2.25 per day of his salary.

Swan Valley users rented 1,700 acre-feet of storage which was exchanged for the flow of the various creeks from which the diversions were made.

PRECIPITATION IN INCHES
(Actual and normal for year ending September 30, 1949)

| Month | <u>Snake R., Wyo.</u> | | <u>Moran, Wyo.</u> | | <u>Jackson, Wyo.</u> | | <u>Bedford, Wyo.</u> | | <u>Irwin, Ida.</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. | 1.13 | 2.01 | 1.01 | 1.59 | 1.13 | 1.19 | 1.35 | 1.56 | .82 | 1.26 |
| Nov. | 4.84 | 2.69 | 2.79 | 1.78 | 1.75 | 1.04 | 1.97 | 1.43 | 2.15 | 1.15 |
| Dec. | 9.13 | 3.01 | 3.42 | 1.95 | 2.23 | 1.53 | 3.21 | 1.69 | 2.34 | 1.25 |
| Jan. | 1.62 | 4.10 | 1.17 | 2.31 | 1.26 | 1.62 | 1.41 | 1.97 | 1.22 | 1.42 |
| Feb. | 6.91 | 2.90 | 1.92 | 2.23 | 2.12 | 1.57 | 2.48 | 1.77 | 1.55 | 1.15 |
| Mar. | 4.20 | 3.29 | 1.28 | 2.08 | 1.88 | 1.32 | 1.20 | 1.74 | 1.22 | 1.14 |
| Apr. | 1.57 | 2.19 | 1.48 | 1.77 | .13 | 1.35 | .55 | 1.61 | 2.67 | 1.06 |
| May | 3.22 | 2.37 | 2.31 | 1.87 | 2.00 | 1.76 | 2.96 | 2.01 | 2.16 | 1.67 |
| June | 1.94 | 2.45 | 1.35 | 1.83 | 2.28 | 1.35 | 1.68 | 1.72 | 1.20 | 1.53 |
| July | .55 | 1.48 | .25 | 1.21 | .53 | .92 | .38 | .97 | .26 | .97 |
| Aug. | .58 | 1.58 | 1.62 | 1.40 | .14 | 1.43 | .10 | 1.16 | .50 | .87 |
| Sept. | 1.67 | 1.69 | 1.71 | 1.65 | 1.07 | 1.48 | 2.24 | 1.26 | 1.13 | 1.18 |
| Year | 37.36 | 29.76 | 20.31 | 21.67 | 16.52 | 16.56 | 19.53 | 18.89 | 17.22 | 14.65 |

| Month | <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. | 0.42 | 1.28 | 0.12 | .98 | 0.35 | 1.68 | 0.27 | .91 | 0.73 | 1.38 |
| Nov. | 3.13 | 1.30 | .68 | .79 | 2.44 | 1.03 | 1.27 | 1.08 | 2.35 | 1.36 |
| Dec. | 3.78 | 1.64 | .47 | 1.06 | 1.12 | 1.15 | 2.04 | .90 | 3.08 | 1.58 |
| Jan. | 1.51 | 1.88 | 2.73 | 1.31 | 1.26 | 1.34 | .79 | 1.10 | 1.44 | 1.89 |
| Feb. | 1.63 | 1.52 | 2.01 | .97 | .85 | 1.20 | .78 | .88 | 2.25 | 1.57 |
| Mar. | 1.50 | 1.21 | .21 | 1.08 | 1.10 | 1.28 | .70 | .85 | 1.47 | 1.55 |
| Apr. | .50 | 1.16 | .96 | .94 | 1.51 | 1.47 | .53 | 1.11 | 1.10 | 1.41 |
| May | 3.05 | 1.71 | 2.45 | 1.24 | 2.03 | 1.73 | 1.67 | 1.03 | 2.42 | 1.71 |
| June | 1.06 | 1.66 | 1.45 | 1.21 | .56 | 1.09 | .17 | .81 | 1.30 | 1.51 |
| July | .49 | .94 | .40 | .62 | .09 | .77 | .11 | .35 | .34 | .91 |
| Aug. | .34 | .79 | .46 | .59 | .21 | .50 | .06 | .22 | .45 | .95 |
| Sept. | 1.46 | 1.12 | .85 | .82 | .07 | .74 | .18 | .57 | 1.15 | 1.17 |
| Year | 18.87 | 16.21 | 12.79 | 11.61 | 11.59 | 13.98 | 8.57 | 9.81 | 18.08 | 16.99 |

Precipitation was generally well above normal during November, December, February and May. It was notably deficient in October, January, April, July and August. On an average at the nine stations listed the total precipitation for the year ending September 30, 1949 was 6% above normal.

EXPENDITURES DURING YEAR ENDING DECEMBER 31, 1949

Engineers and Hydrographers

| | | |
|----------------|----------------------------|------------|
| Lynn Crandall | Salary 1 year | |
| Henry C. Eagle | Salary 1 year | \$7,686.38 |
| Melvin Luke | Salary 5 months @ \$300.00 | 5,336.78 |
| A. H. Bush | Salary 3.32 " @ \$250.00 | 1,500.00 |
| Oleen Dummer | Salary 3.78 " @ \$250.00 | 831.18 |
| C. D. Cooper | Salary 3.10 " @ \$250.00 | 945.94 |
| | | 775.53 |

Clerk

| | | |
|------------------|---------------|----------|
| Charlotte M. Elg | Salary 1 year | 3,010.54 |
|------------------|---------------|----------|

River Riders

| | | |
|------------------|--------------------------------|--------|
| D. R. Anthony | 93 days @ \$8.75 incl. mileage | 813.75 |
| H. M. Bramwell | 92 " @ \$8.75 " " | 805.00 |
| D. W. Dick | 40 " @ \$9.75 " " | 390.00 |
| Carl J. Anderson | 94 " @ \$8.50 " " | 799.00 |
| F. S. Thomas | 117 " @ \$8.50 " " | 994.50 |
| Elmer Lenz | 2.57 mos. @ \$60 mo. " " | 154.00 |
| Joe Bohi | 83 days @ \$9.25 incl. mileage | 767.75 |
| Don Riggs | 83 " @ \$8.75 " " | 726.25 |
| Seth Hansen | 2 " @ \$5.00 " " | 10.00 |
| T. W. Stoddard | 10 " @ \$6.00 " " | 60.00 |

Miscellaneous

| | |
|---|---------------|
| Transportation, 40,134 miles @ 7¢ a mile | 2,809.38 |
| Telephone and Telegraph | 402.85 |
| Supplies and Equipment | 1,883.88 |
| Gage Readers | 668.36 |
| Bond Premium and Insurance | 108.93 |
| Miscellaneous | 754.45 |
| John Lee, Sec'y, Com. of Nine, Salary & Expense | <u>323.64</u> |
| | \$32,558.09 |

Expenditures from various funds

| | |
|-----------------------------------|------------------|
| Water-users funds | \$19,111.99 |
| State of Idaho Stream Gaging Fund | 2,708.33 |
| U. S. Geological Survey | <u>10,737.77</u> |
| Total | \$32,558.09 |

In addition to the foregoing, upper valley members of the Committee of Nine were paid \$2,080.83 for services at \$10.00 per day, and expenses, which was pro-rated among upper valley canals.

Funds on hand January 1, 1950

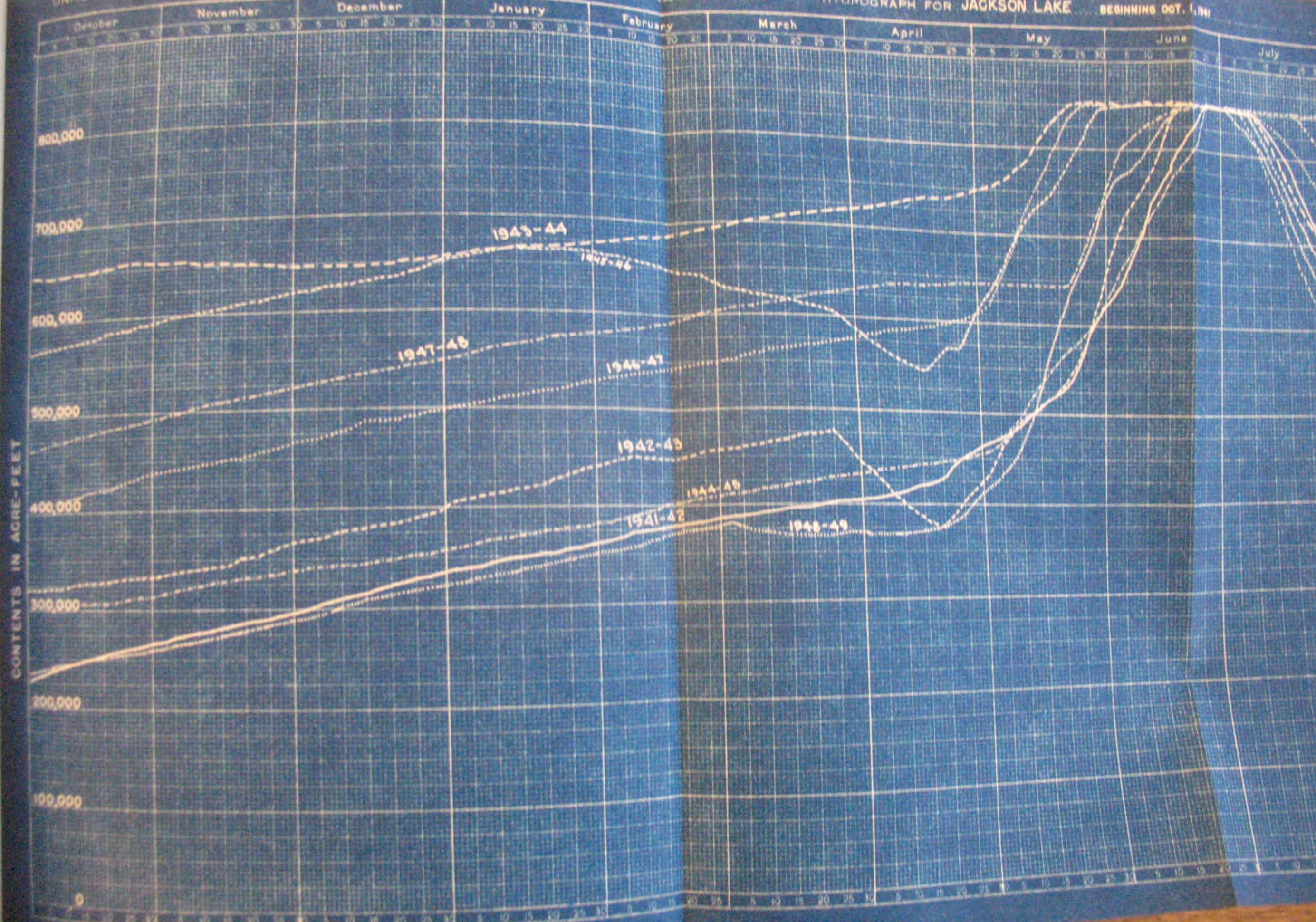
| | |
|---|-----------------|
| District No. 36 Water Distribution Fund | \$ 8,332.22 |
| State of Idaho Stream Gaging Fund | 1,458.34 |
| U. S. Geological Survey | <u>4,963.32</u> |
| Total | \$14,753.88 |



PRINCIPAL STREAMS AND GAGING STATIONS
 WATER DISTRICT NO. 36

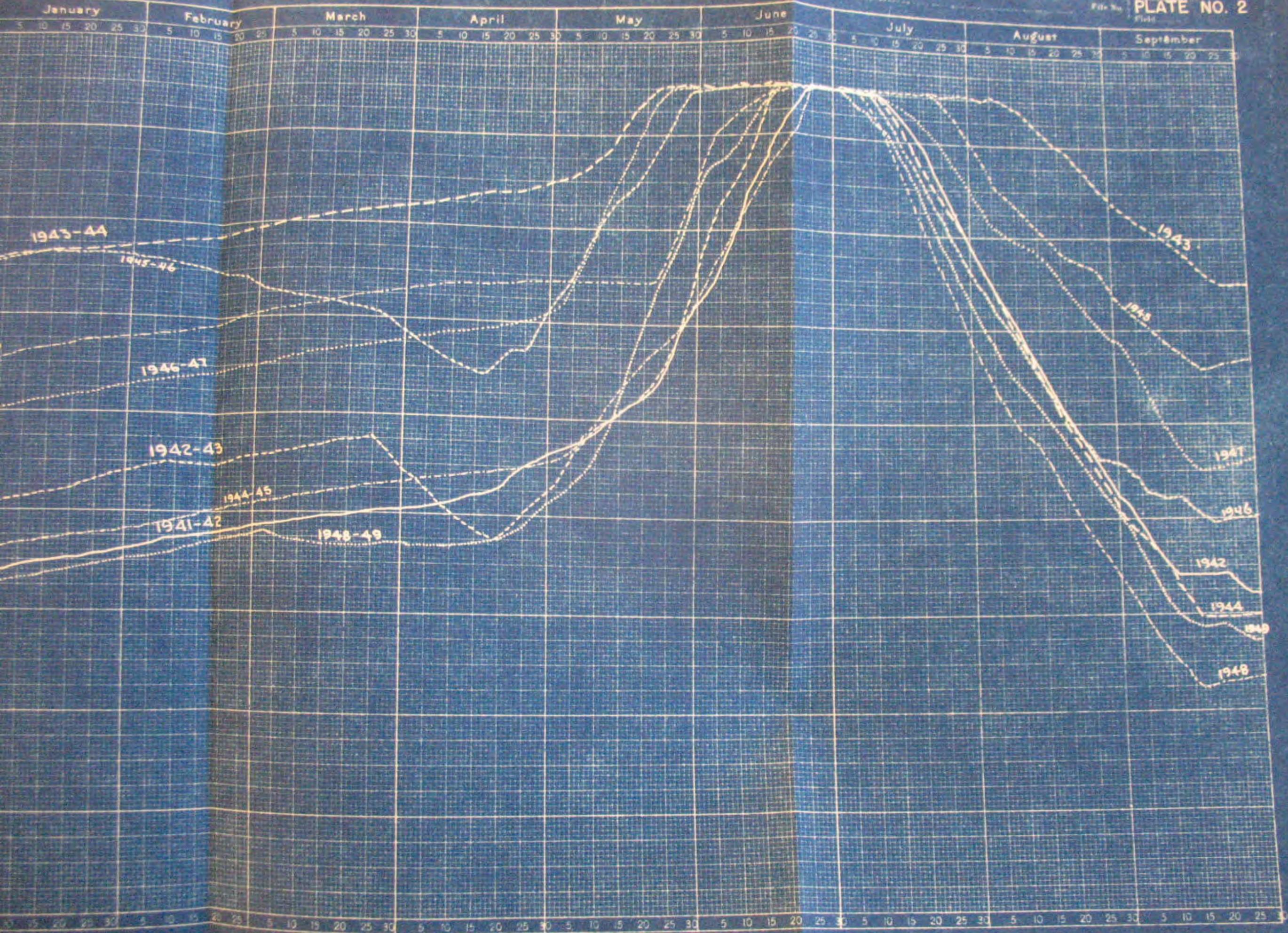
- | NO. | STATION |
|-----|---|
| 1 | JACKSON LAKE AT MORAN |
| 2 | SNAKE RIVER AT MORAN |
| 3 | SNAKE RIVER NEAR HEISE |
| 4 | SNAKE RIVER NEAR SHELLEY |
| 5 | SNAKE RIVER AT CLOUGH RANCH, NEAR BLACKFOOT |
| 6 | AMERICAN FALLS RESERVOIR AT AMERICAN FALLS |
| 7 | SNAKE RIVER AT NEELEY |
| 8 | LAKE WALCOTT NEAR MINIDOKA |
| 9 | NORTH SIDE CANAL NEAR MINIDOKA |
| 10 | SOUTH SIDE CANAL NEAR MINIDOKA |
| 11 | SNAKE RIVER NEAR MINIDOKA |
| 12 | P.A. LATERAL NEAR MILNER |
| 13 | GOODING CANAL AT MILNER |
| 14 | NORTH SIDE CANAL AT MILNER |
| 15 | SOUTH SIDE CANAL AT MILNER |
| 16 | MILNER LOW LIFT CANAL AT MILNER |
| 17 | SNAKE RIVER AT MILNER |
| 18 | HENRYS LAKE NEAR LAKE |
| 19 | HENRYS FORK NEAR LAKE |
| 20 | ISLAND PARK RESERVOIR NEAR ISLAND PARK |
| 21 | HENRYS FORK NEAR ISLAND PARK |
| 22 | HENRYS FORK AT WARM RIVER |
| 23 | HENRYS FORK NEAR ASHTON |
| 24 | GRASSY LAKE NEAR MORAN |
| 25 | FALL RIVER NEAR SQUIRREL |
| 26 | FALL RIVER NEAR CHESTER |
| 27 | HENRYS FORK AT ST. ANTHONY |
| 28 | TETON RIVER NEAR TETONIA |
| 29 | TETON RIVER NEAR ST. ANTHONY |
| 30 | HENRYS FORK NEAR REXBURG |
| 31 | BLACKFOOT RIVER NEAR BLACKFOOT |

94750- Sept 1941



CONTENTS IN ACRE-FEET

Plotted by _____ Checked by _____ Date _____



April 1941

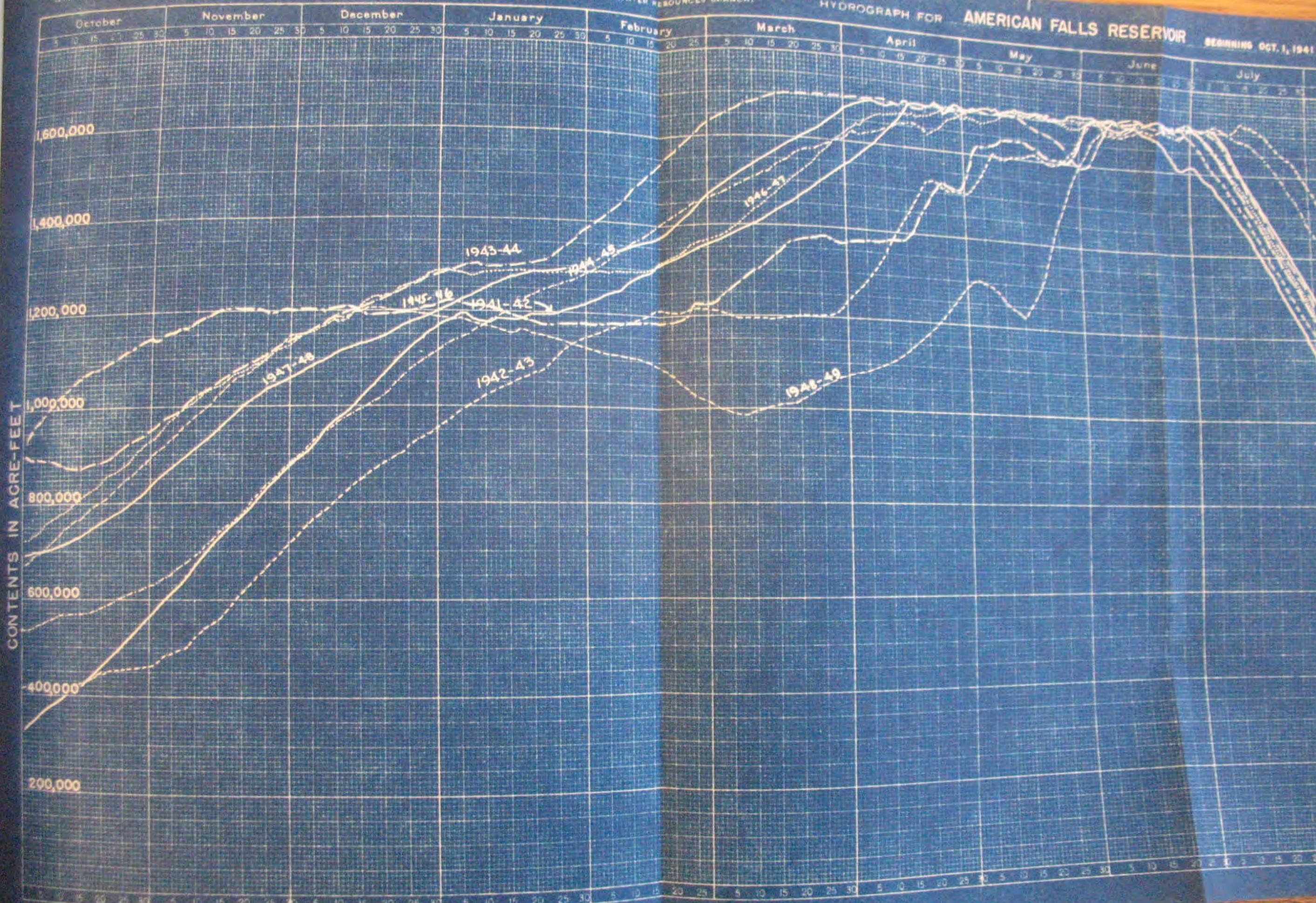
UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES BRANCH

HYDROGRAPH FOR AMERICAN FALLS RESERVOIR

BEGINNING OCT. 1, 1941

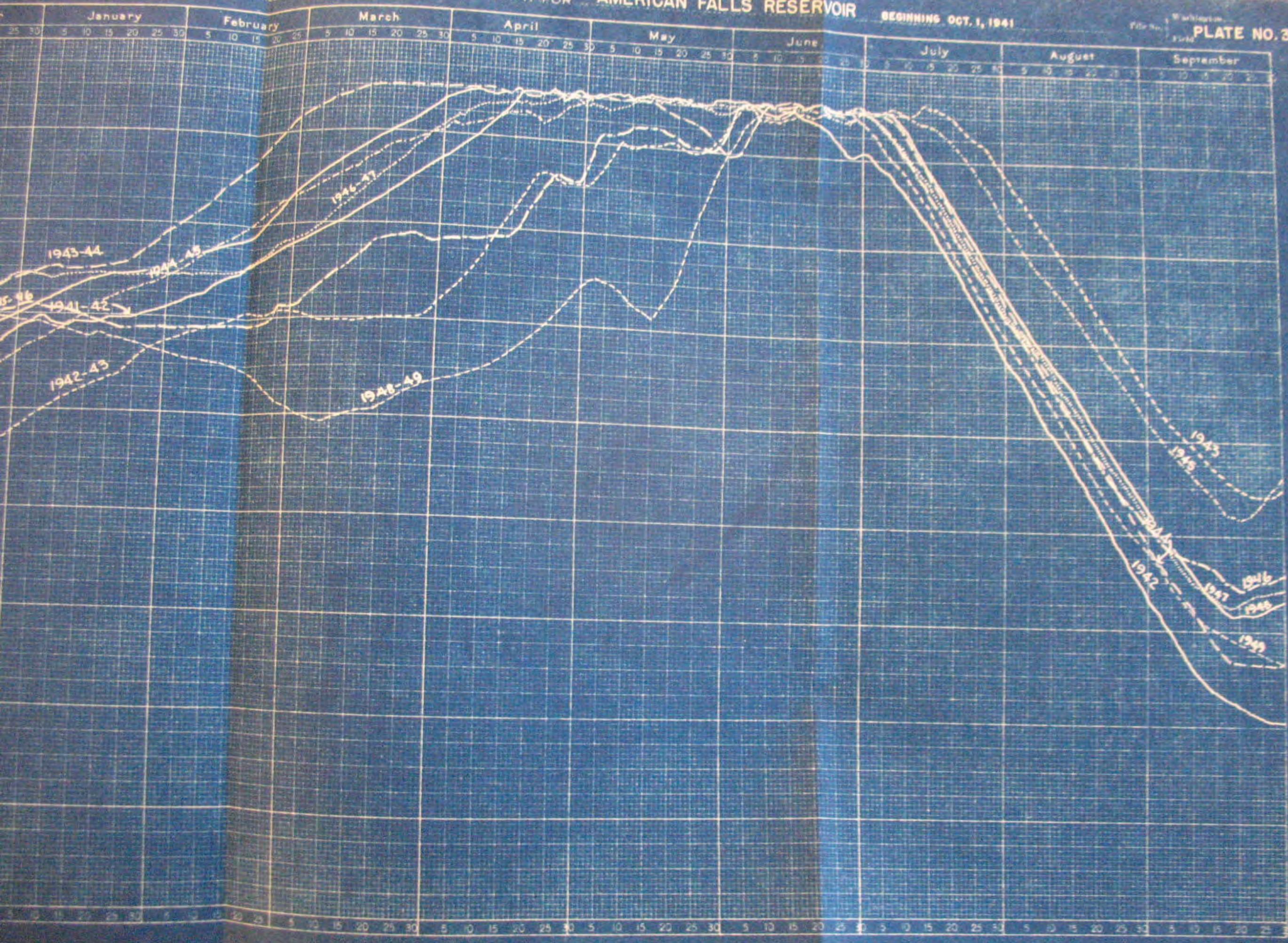


CONTENTS IN ACRE-FEET

1,600,000
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000

October 5 10 15 20 25 30
November 5 10 15 20 25 30
December 5 10 15 20 25 30
January 5 10 15 20 25 30
February 5 10 15 20 25
March 5 10 15 20 25 30
April 5 10 15 20 25 30
May 5 10 15 20 25 30
June 5 10 15 20 25 30
July 5 10 15 20 25 30

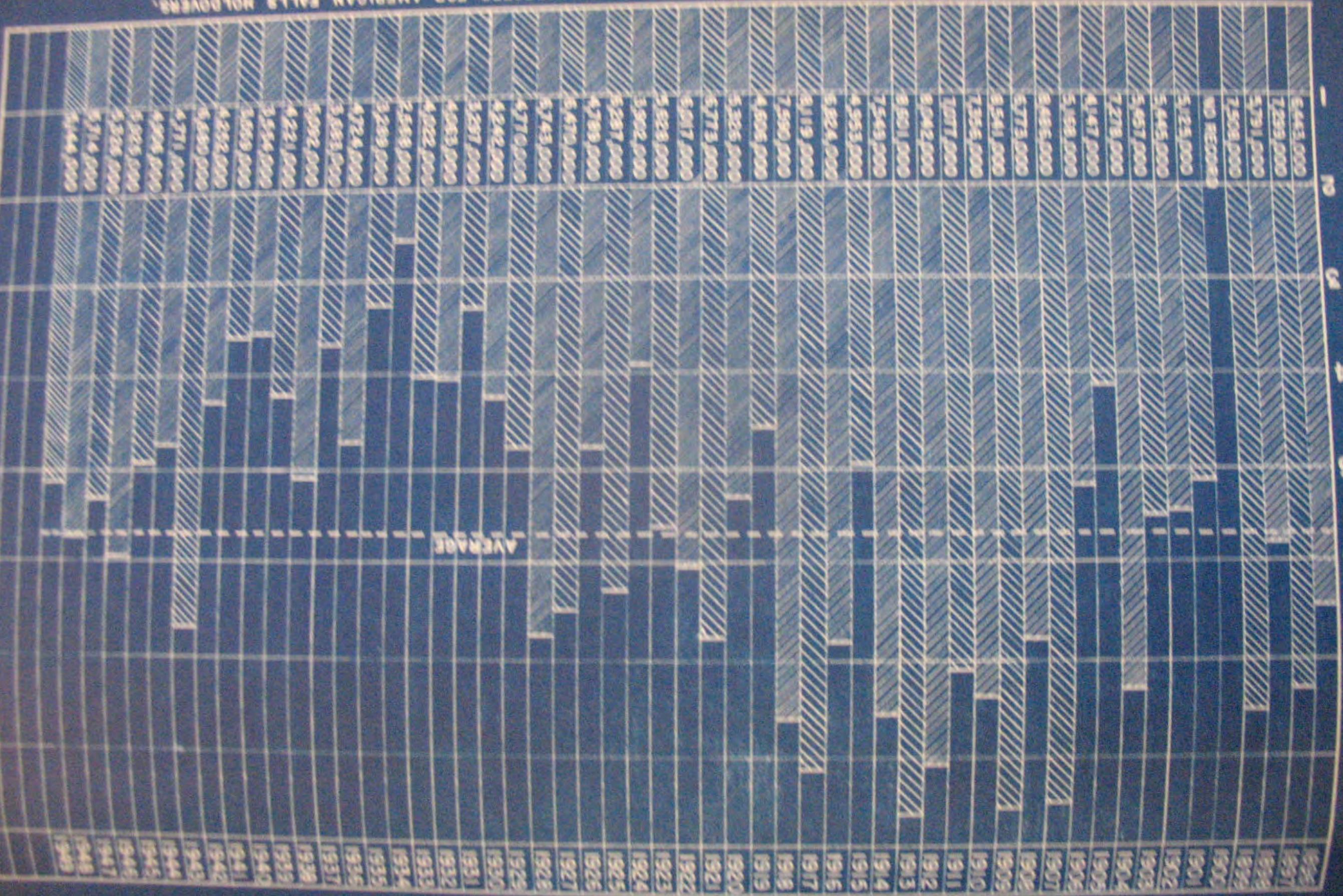
Plotted by _____ Checked by _____ Date _____



ANNUAL RUNOFF OF SNAKE RIVER AT NEELEY, IDAHO

PLATE NO. 4

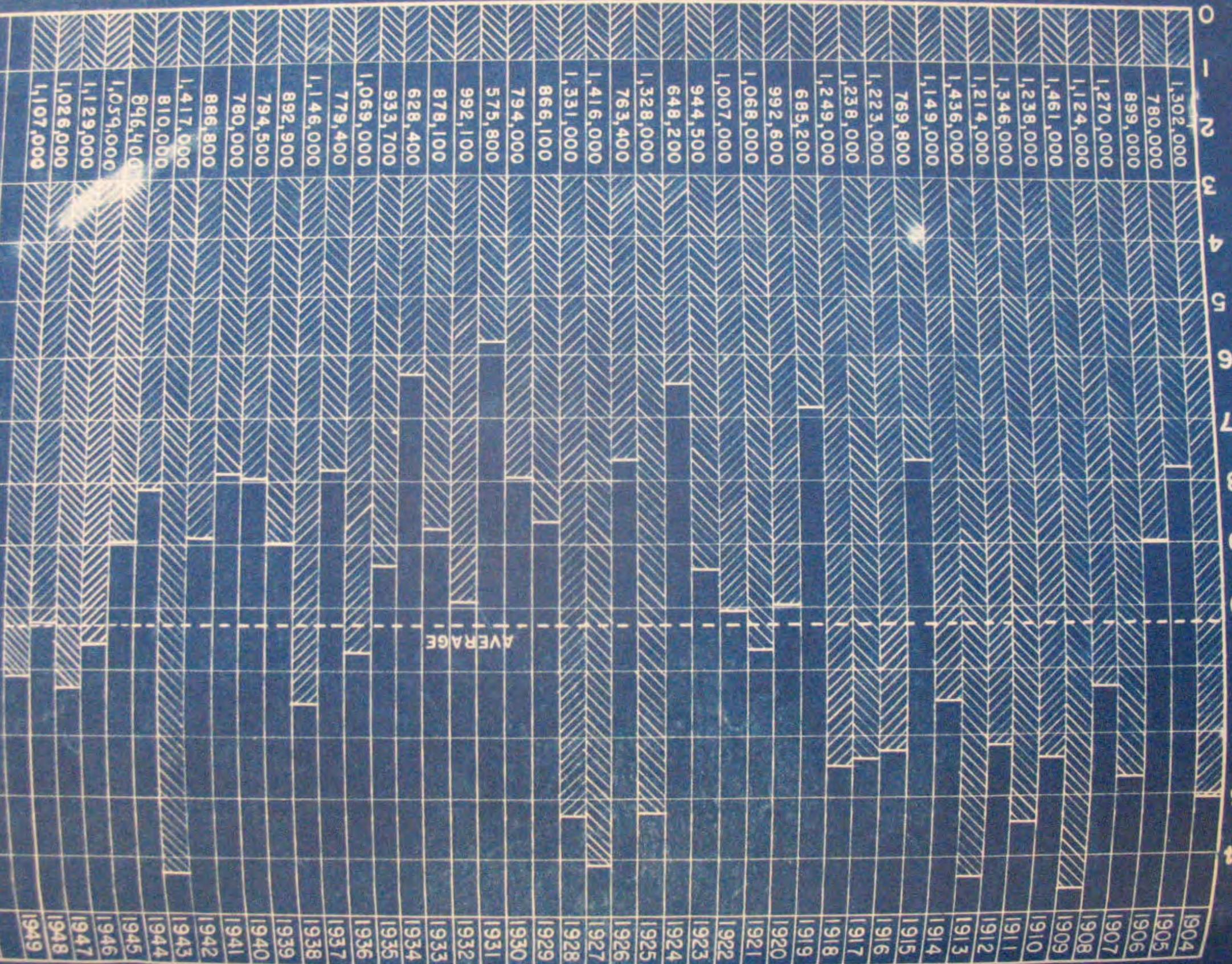
RUNOFF IN MILLIONS OF ACRE-FEET



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

ANNUAL RUNOFF OF SNAKE RIVER AT MORAN, WYO.

RUNOFF IN HUNDREDS OF THOUSANDS OF TENS OF ACRES-FEET



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

DAILY DISCHARGE IN SECOND-FOOT OF SNAKE RIVER CANALS

JUNE 1949

| NAME OF CANAL | 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 | | |
|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|--------|--------|
| RILEY | 18 | 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 | | | |
| ANDERSON | 110 | 96 | 12 | 12 | 110 | 167 | 171 | 173 | 174 | 175 | 176 | 177 | 178 | 179 | 180 | 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 | 195 | 602 | | |
| EAGLE ROCK | 230 | 84 | 82 | 76 | 110 | 325 | 228 | 460 | 458 | 571 | 680 | 678 | 672 | 666 | 478 | 486 | 478 | 486 | 478 | 486 | 478 | 486 | 478 | 486 | 478 | 486 | 478 | 486 | 478 | 486 | 7,815 | | |
| FARMERS FRIEND | 75 | 67 | 65 | 63 | 65 | 107 | 235 | 228 | 388 | 460 | 458 | 452 | 446 | 440 | 290 | 298 | 290 | 298 | 290 | 298 | 290 | 298 | 290 | 298 | 290 | 298 | 290 | 298 | 290 | 298 | 12,125 | | |
| ENTERPRISE | 60 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 19,005 | | |
| HEISE | 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 | | |
| NELSON | 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 | | |
| MATTSON & CRAIG | 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 | | |
| ARNSTBERGER | 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 | | |
| BUTLER ISLAND | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | | |
| ROSS & RAND | 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 | | |
| STEELE | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| HARRISON | 442 | 320 | 280 | 220 | 180 | 166 | 240 | 504 | 501 | 520 | 537 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 115 | |
| CHENEY | 2 | 2 | 3 | 4 | 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 | 228 | |
| BOOMER | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 13,050 | |
| RUDY | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 192 | |
| KITE & NORD | 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 | 3 | 5,112 | |
| BURGESS | 333 | 447 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 1,547 | |
| CLARK & EDWARDS | 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 | 180 | |
| LOWDER & JENNINGS | 40 | 50 | 52 | 55 | 60 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 24,003 | |
| EAST LABELLE | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 2,562 | |
| SUNNYDELL | 117 | 117 | 113 | 110 | 110 | 110 | 120 | 140 | 161 | 179 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 1,917 | |
| LENROOT | 59 | 56 | 55 | 55 | 70 | 70 | 68 | 76 | 110 | 118 | 140 | 142 | 152 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 4,102 | |
| REID | 129 | 131 | 129 | 132 | 135 | 138 | 140 | 144 | 157 | 158 | 173 | 180 | 173 | 180 | 173 | 180 | 173 | 180 | 173 | 180 | 173 | 180 | 173 | 180 | 173 | 180 | 173 | 180 | 173 | 180 | 173 | 4,836 | |
| TEXAS FEEDER | 310 | 310 | 310 | 285 | 260 | 244 | 294 | 310 | 321 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 9,916 |
| NELSON COREY | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8,947 | |
| HILL PETTINGER | 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 | 290 | |
| RIGBY | 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 | 153 | |
| ISLAND | 119 | 119 | 119 | 117 | 117 | 119 | 136 | 136 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 4,477 | |
| DILTS | 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 | 4,678 | |
| WEST LABELLE & LONG ISLAND | 265 | 265 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 898 | |
| PARKS & LEWISVILLE | 242 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 11,898 |
| NORTH RIGBY | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 988 | |
| WHITE | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 109 | |
| KENNEDY | 40 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 1,403 | |
| GREAT WESTERN | 429 | 555 | 555 | 555 | 555 | 555 | 555 | 555 | 555 | 555 | 555 | 555 | 555 | 555 | 555 | 555 | 555 | 555 | 555 | 555 | 555 | 555 | 555 | 555 | 555 | 555 | 555 | 555 | 555 | 555 | 555 | 25,874 | |
| PORTER | 250 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 254 | 12,767 | |
| COY & KELLER | 172 | 118 | 90 | 88 | 84 | 178 | 247 | 299 | 315 | 330 | 326 | 317 | 296 | 297 | 295 | 290 | 238 | 213 | 221 | 225 | 217 | 210 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 7,128 | |
| WOODVILLE | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 43 | |
| SNAKE RIVER VALLEY | 448 | 369 | 419 | 419 | 414 | 537 | 581 | 675 | 687 | 665 | 619 | 619 | 619 | 619 | 619 | 619 | 619 | 619 | 619 | 619 | 619 | 619 | 619 | 619 | 619 | 619 | 619 | 619 | 619 | 619 | 619 | 2,181 | |
| TOTAL HEISE TO SHELLEY | 4614 | 4164 | 4053 | 4116 | 4185 | 4975 | 6480 | 7366 | 7120 | 8141 | 8451 | 8803 | 9187 | 9388 | 9820 | 9316 | 8878 | 8566 | 8148 | 7197 | 7880 | 7534 | 7666 | 7775 | 8287 | 8218 | 8476 | 8666 | 8461 | 8318 | 225,062 | | |
| RESERVATION | 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 | 10,268 | |
| BLACKFOOT | 207 | 190 | 174 | 446 | 478 | 463 | 461 | 451 | 451 | 451 | 451 | 451 | 451 | 451 | 451 | 451 | 451 | 451 | 451 | 451 | 451 | 451 | 451 | 451 | 451 | 451 | 451 | 451 | 451 | 451 | 451 | 10,249 | |
| NEW LAVA SIDE | 113 | 96 | 92 | 95 | 103 | 134 | 151 | 173 | 184 | 190 | 191 | 195 | 186 | 178 | 160 | 158 | | | | | | | | | | | | | | | | | |

DAILY DISCHARGE IN SECOND-FEET OF SNAKE RIVER CANALS AUGUST 1949

| NAME OF CANAL | 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 | TOTAL | |
|----------------------------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|-----|
| RILEY | 428 | 404 | 428 | 428 | 428 | 428 | 428 | 428 | 428 | 428 | 428 | 428 | 428 | 428 | 428 | 428 | 428 | 428 | 428 | 428 | 428 | 428 | 428 | 428 | 428 | 428 | 428 | 428 | 428 | 428 | 428 | 13,658 | |
| ANDERSON | 608 | 560 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 19,658 | |
| EAGLE ROCK | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 316 | 10,458 | |
| FARMERS FRIEND | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 4,058 | |
| ENTERPRISE | 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 | 62 | |
| NELSON | 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 | |
| MATSON & CRAIG | 10 | 6 | 8 | 8 | 11 | 12 | 12 | 14 | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | |
| ARNBERGER | 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 | |
| BUTLER ISLAND | 43 | 42 | 42 | 41 | 41 | 40 | 40 | 39 | 41 | 41 | 40 | 41 | 42 | 41 | 41 | 40 | 43 | 39 | 44 | 44 | 44 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | |
| ROSS & RAND | 5 | 4 | 4 | 4 | 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 | | |
| STEELE | 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 | 6 | 6 | | |
| HARRISON | 483 | 483 | 481 | 481 | 480 | 478 | 478 | 481 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | |
| CHENEY | 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 | 6 | 6 | 6 | |
| BOOMER | 165 | 165 | 165 | 161 | 166 | 162 | 164 | 154 | 152 | 152 | 147 | 144 | 166 | 158 | 159 | 162 | 159 | 162 | 161 | 162 | 161 | 162 | 161 | 162 | 161 | 162 | 161 | 162 | 161 | 162 | 161 | 162 | |
| RUDY | 61 | 57 | 56 | 57 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | |
| KITE & NORD | 8 | 8 | 7 | 6 | 8 | 6 | 6 | 8 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| BURGESS | 810 | 819 | 815 | 859 | 861 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | |
| CLARK & EDWARDS | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | |
| LOWDER & JENNINGS | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | |
| EAST LABELLE | 122 | 121 | 121 | 118 | 120 | 121 | 121 | 121 | 120 | 120 | 118 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | |
| SUNNYDELL | 145 | 158 | 167 | 156 | 163 | 157 | 113 | 105 | 129 | 113 | 114 | 125 | 129 | 114 | 148 | 149 | 134 | 114 | 128 | 135 | 139 | 127 | 116 | 98 | 91 | 100 | 105 | 102 | 124 | 122 | 122 | 122 | |
| LENROOT | 181 | 129 | 127 | 117 | 127 | 121 | 119 | 88 | 86 | 86 | 88 | 86 | 88 | 86 | 88 | 86 | 88 | 86 | 88 | 86 | 88 | 86 | 88 | 86 | 88 | 86 | 88 | 86 | 88 | 86 | 88 | 86 | 88 |
| REID | 135 | 158 | 137 | 138 | 138 | 136 | 136 | 130 | 130 | 121 | 117 | 102 | 113 | 113 | 115 | 119 | 121 | 113 | 110 | 110 | 113 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 |
| TEXAS FEEDER | 230 | 227 | 204 | 193 | 195 | 193 | 188 | 172 | 172 | 158 | 122 | 105 | 146 | 159 | 162 | 169 | 151 | 149 | 148 | 148 | 161 | 171 | 172 | 180 | 232 | 214 | 186 | 158 | 157 | 158 | 146 | 146 | |
| NELSON COREY | 10 | 10 | 10 | 11 | 10 | 11 | 11 | 12 | 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 |
| HILL PETTINGER | 3 | 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 | |
| RIGBY | 180 | 177 | 179 | 169 | 156 | 162 | 155 | 164 | 158 | 168 | 158 | 155 | 156 | 155 | 156 | 163 | 162 | 156 | 151 | 151 | 151 | 158 | 161 | 157 | 154 | 156 | 155 | 155 | 149 | 155 | 149 | 155 | 149 |
| ISLAND | 157 | 160 | 162 | 149 | 149 | 149 | 149 | 148 | 146 | 146 | 145 | 145 | 145 | 146 | 145 | 146 | 141 | 134 | 137 | 140 | 132 | 154 | 93 | 140 | 141 | 142 | 136 | 129 | 130 | 124 | 124 | 124 | 124 |
| DILTS | 35 | 34 | 35 | 36 | 35 | 40 | 31 | 30 | 31 | 30 | 31 | 30 | 34 | 30 | 35 | 39 | 36 | 36 | 37 | 37 | 37 | 32 | 26 | 32 | 32 | 30 | 36 | 29 | 30 | 29 | 29 | 29 | 29 |
| WEST LABELLE & LONG ISLAND | 461 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 | 475 |
| PARKS & LEWISVILLE | 352 | 352 | 352 | 350 | 350 | 348 | 348 | 346 | 348 | 346 | 346 | 346 | 346 | 346 | 346 | 346 | 346 | 346 | 346 | 346 | 346 | 346 | 346 | 346 | 346 | 346 | 346 | 346 | 346 | 346 | 346 | 346 | 346 |
| NORTH RIGBY | 49 | 50 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 |
| WHITE | 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 |
| ELIS | 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 |
| BRAMWELL | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| BUTLE & MARKET LAKE | 354 | 328 | 311 | 367 | 313 | 351 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 |
| OSGOOD | 143 | 138 | 132 | 132 | 131 | 131 | 131 | 130 | 130 | 130 | 130 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 |
| BEAR ISLAND & SMITH | 4 | 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 |
| KENNEDY | 45 | 39 | 37 | 34 | 34 | 32 | 33 | 32 | 31 | 31 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| IDAHO | 1240 | 1240 | 1230 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 936 |
| GREAT WESTERN | 523 | 504 | 504 | 504 | 508 | 499 | 485 | 485 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 |
| PORTER | 523 | 504 | 504 | 504 | 508 | 499 | 485 | 485 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 |
| COY & KELLER | 353 | 309 | 298 | 295 | 303 | 303 | 299 | 271 | 271 | 271 | 276 | 280 | 283 | | | | | | | | | | | | | | | | | | | | |

LLS RESERVOIR

AND NEELEY STATIONS

SECOND - FEET

1949

JULY

| | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 4 | 306 | 306 | 306 | 307 | 307 | 308 | 308 | 309 | 309 | 309 | 310 | 311 | 312 | 312 | 313 | 314 | 315 | 316 | 318 | 319 |
| 3 | 501 | 498 | 495 | 492 | 490 | 487 | 484 | 481 | 479 | 482 | 484 | 486 | 488 | 491 | 493 | 495 | 498 | 500 | 502 | 504 |
| 1 | 121 | 121 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 121 | 122 | 122 | 123 | 124 | 124 | 125 | 126 | 127 | 128 | 128 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 9 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 28 | 28 |
| 1 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 62 | 62 | 62 | 62 | 62 |
| 6 | 16 | 16 | 16 | 16 | 16 | 16 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 8 | 28 | 28 | 28 | 27 | 27 | 26 | 26 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 26 | 26 | 26 | 26 | 26 |
| 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | 66 | 68 | 69 | 68 | 68 | 67 | 66 | 69 | 68 | 64 | 60 | 66 | 67 | 67 | 64 | 58 | 56 | 57 | 56 | 59 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| 8 | 37 | 36 | 36 | 36 | 36 | 36 | 37 | 37 | 37 | 37 | 37 | 36 | 36 | 35 | 35 | 34 | 34 | 33 | 33 | 32 |
| 6 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 15 | 27 | 28 | 28 | 27 | 26 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 2 | 13 | 13 | 13 | 12 | 11 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 5 | 45 | 45 | 45 | 45 | 45 | 46 | 46 | 46 | 46 | 46 | 47 | 48 | 49 | 50 | 50 | 51 | 52 | 53 | 54 | 55 |
| 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 |
| 25 | 25 | 25 | 25 | 25 | 25 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 36 | 1394 | 1393 | 1390 | 1384 | 1380 | 1373 | 1372 | 1371 | 1368 | 1368 | 1369 | 1378 | 1384 | 1388 | 1388 | 1388 | 1388 | 1393 | 1398 | 1402 |
| 10 | 1300 | 1300 | 1300 | 1300 | 1300 | 1300 | 1300 | 1300 | 1300 | 1300 | 1300 | 1300 | 1300 | 1300 | 1300 | 1300 | 1300 | 1300 | 1300 | 1310 |
| 06 | 2694 | 2693 | 2690 | 2684 | 2680 | 2673 | 2672 | 2671 | 2668 | 2668 | 2669 | 2678 | 2684 | 2688 | 2688 | 2688 | 2688 | 2693 | 2698 | 2702 |

83,914

AUGUST

| | 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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 32 | 32 | 32 |
| 320 | 322 | 324 | 325 | 327 | 328 | 328 | 328 | 327 | 327 | 327 | 327 | 326 | 326 | 326 | 325 | 325 | 325 | 324 | 324 | 324 | 323 | 323 | 323 | 322 | 322 | 322 |
| 506 | 508 | 510 | 513 | 515 | 517 | 519 | 522 | 524 | 526 | 528 | 530 | 532 | 530 | 527 | 524 | 521 | 518 | 515 | 512 | 509 | 506 | 504 | 501 | 498 | 496 | |
| 129 | 130 | 130 | 131 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 131 | 131 | 131 | 131 | 131 | 131 | 131 | 131 | 131 | |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 27 | 27 | 27 | 27 | 27 | 26 | 26 | 26 | 26 | 26 | 25 | 25 | 25 | 25 | 25 |
| 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | |
| 26 | 27 | 27 | 27 | 27 | 27 | 27 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | |
| 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 | |
| 59 | 58 | 60 | 69 | 71 | 66 | 64 | 64 | 67 | 71 | 72 | 67 | 68 | 69 | 72 | 68 | 72 | 68 | 64 | 64 | 64 | 64 | 62 | 62 | 62 | 63 | 63 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | |
| 32 | 31 | 31 | 30 | 30 | 29 | 28 | 28 | 27 | 27 | 26 | 26 | 27 | 28 | 30 | 31 | 32 | 34 | 35 | 36 | 38 | 39 | 40 | 42 | 43 | 43 | |
| 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 56 | 56 | 57 | 57 | 58 | 58 | 59 | 59 | 60 | 60 | 61 | |
| 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 | |
| 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 | |
| 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 | |
| 10 | 10 | 10 | 10 | 10 | 10 | 11 | 12 | 12 | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 13 | 13 | 13 | 13 | |
| 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 | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 56 | 57 | 58 | 59 | 60 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | |
| 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 | |
| 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 | |
| 24 | 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 | |
| 1410 | 1417 | 1424 | 1438 | 1447 | 1446 | 1457 | 1455 | 1460 | 1483 | 1470 | 1460 | 1464 | 1465 | 1467 | 1462 | 1464 | 1459 | 1458 | 1466 | 1458 | 1450 | 1451 | 1450 | 1461 | 1461 | |
| 1310 | 1310 | 1310 | 1320 | 1320 | 1320 | 1320 | 1320 | 1330 | 1330 | 1330 | 1330 | 1330 | 1330 | 1330 | 1330 | 1330 | 1330 | 1330 | 1330 | 1330 | 1330 | 1330 | 1330 | 1330 | 1330 | |
| 2720 | 2727 | 2734 | 2758 | 2767 | 2766 | 2777 | 2775 | 2790 | 2813 | 2800 | 2790 | 2794 | 2795 | 2797 | 2792 | 2794 | 2789 | 2788 | 2796 | 2788 | 2780 | 2781 | 2780 | 2791 | 2791 | |

86,234

DAILY SEGREGATION

| DATE | JACKSON LAKE CONTENTS ACRE- FEET | SNAKE RIVER AT MORAN | | | MORAN TO HEISE | | DATE | HEISE & RILEY | | | STORAGE INFLOW HEISE TO SHELLEY | | STORAGE LOSS HEISE TO SHELLEY | DIVERSIONS HEISE TO SHELLEY | | | DATE | SNAKE RIVER NEAR SHELLEY | | | |
|---------|----------------------------------|----------------------|--------|-------|----------------|------------------|---------|---------------|--------|-------|---------------------------------|--------------------------|-------------------------------|-----------------------------|--------|-------|------|--------------------------|--------|-------|---|
| | | STORED | NORMAL | TOTAL | STORED LOSS | STORED DIVERSION | | STORED | NORMAL | TOTAL | MARKET LAKE | HENRYS FORK NEAR REXBURG | | STORED | NORMAL | TOTAL | | STORED | NORMAL | TOTAL | |
| JUNE 23 | 851,580 | | | | | | | | | | | | | | | | | | | | |
| 24 | 851,330 | | | | | | JUNE 24 | | | | | | | | | | | | | | |
| 25 | 851,330 | | | | | | 25 | | | | | | | | | | | | | | |
| 26 | 851,840 | | | | | | 26 | | | | | | | | | | | | | | |
| 27 | 852,350 | | | | | | 27 | | | | | | | | | | | | | | |
| 28 | 851,330 | | | | | | 28 | | | | | | | | | | | | | | |
| 29 | 851,330 | | | | | | 29 | | | | | | | | | | | | | | |
| 30 | 851,580 | | | | | | 30 | | | | 12 | | | | | | | | | | |
| JULY 1 | 850,300 | | | | | | JULY 1 | | | | 9 | | | | | | 643 | 7818 | 8461 | | |
| 2 | 849,790 | 1320 | 2650 | 3970 | 33 | | 2 | | | | 10 | | | | | 508 | 7810 | 8318 | -631 | 7351 | 6 |
| 3 | 845,950 | 3430 | 2550 | 5980 | 86 | | 3 | 1287 | 10639 | 11926 | 11 | -44 | | | | 555 | 7869 | 8424 | -499 | 5969 | 5 |
| 4 | 841,880 | 3040 | 2500 | 5540 | 76 | 5 | 4 | 3339 | 11286 | 14625 | 11 | -49 | | | | 569 | 7999 | 8568 | -689 | 5239 | 4 |
| 5 | 836,280 | 1620 | 2420 | 4040 | 40 | 5 | 5 | 2959 | 11466 | 14425 | 12 | -48 | 63 | | | 989 | 7794 | 8783 | -907 | 5177 | 4 |
| 6 | 832,980 | 1490 | 2320 | 3810 | 37 | 5 | 6 | 1575 | 11250 | 12825 | 12 | -148 | 163 | | | 1189 | 7998 | 9187 | 198 | 4522 | 4 |
| 7 | 830,180 | 1430 | 2220 | 3650 | 36 | 5 | 7 | 1448 | 10677 | 12125 | 12 | 87 | 144 | | | 1076 | 7855 | 8931 | 1851 | 5609 | 3 |
| 8 | 827,630 | 1770 | 2140 | 3910 | 44 | 5 | 8 | 1389 | 10136 | 11525 | 6 | 167 | 77 | | | 941 | 7800 | 8741 | 1838 | 6062 | 2 |
| 9 | 822,800 | 2650 | 2090 | 4740 | 66 | 5 | 9 | 1721 | 9604 | 11325 | 5 | 95 | 71 | | | 827 | 7893 | 8720 | 756 | 6074 | 1 |
| 10 | 817,990 | 2194 | 2026 | 4220 | 55 | 5 | 10 | 1721 | 9604 | 11325 | 5 | 16 | 68 | | | 854 | 7880 | 8714 | 651 | 5659 | 0 |
| 11 | 814,200 | 2038 | 1882 | 3920 | 51 | 5 | 11 | 2579 | 9853 | 12432 | 5 | -38 | 84 | | | 846 | 7797 | 8643 | 488 | 5182 | 0 |
| 12 | 810,160 | 2480 | 1830 | 4310 | 62 | 5 | 12 | 2134 | 9497 | 11631 | 5 | -68 | 126 | | | 819 | 7861 | 8680 | 757 | 4913 | 0 |
| 13 | 805,360 | 3720 | 1800 | 5520 | 93 | 5 | 13 | 1982 | 9045 | 11027 | 5 | -102 | 104 | | | 904 | 7785 | 8689 | 1571 | 4579 | 0 |
| 14 | 797,530 | 4310 | 1770 | 6080 | 108 | 5 | 14 | 2413 | 8514 | 10927 | 5 | -167 | 97 | | | 948 | 7390 | 8338 | 1029 | 4161 | 0 |
| 15 | 789,490 | 4200 | 1740 | 5940 | 105 | 5 | 15 | 3622 | 8105 | 11727 | 5 | -160 | 118 | | | 1043 | 7726 | 8769 | 775 | 3685 | 0 |
| 16 | 779,710 | 4610 | 1720 | 6330 | 115 | 5 | 16 | 4197 | 7935 | 12132 | 5 | 16 | 177 | | | 1210 | 7490 | 8700 | 1097 | 3043 | 0 |
| 17 | 771,690 | 4900 | 1690 | 6590 | 123 | 10 | 17 | 4085 | 7747 | 11832 | 5 | 45 | 205 | | | 1879 | 7103 | 8982 | 2256 | 2294 | 0 |
| 18 | 762,220 | 5050 | 1660 | 6710 | 126 | 10 | 18 | 4485 | 7447 | 11932 | 5 | -176 | 199 | | | 2198 | 6841 | 9039 | 2163 | 2357 | 0 |
| 19 | 752,010 | 5160 | 1630 | 6790 | 129 | 10 | 19 | 4767 | 7365 | 12132 | 5 | -99 | 219 | | | 2110 | 6811 | 8921 | 1517 | 2733 | 0 |
| 20 | 742,080 | 5500 | 1600 | 7100 | 138 | 10 | 20 | 4914 | 7117 | 12031 | 12 | -80 | 233 | | | 2298 | 6648 | 8946 | 2062 | 2428 | 0 |
| 21 | 730,960 | 5655 | 1565 | 7220 | 142 | 10 | 21 | 5021 | 6710 | 11731 | 10 | -418 | 240 | | | 2504 | 6728 | 9232 | 2161 | 2139 | 0 |
| 22 | 719,840 | 5514 | 1546 | 7060 | 138 | 10 | 22 | 5352 | 6479 | 11831 | 10 | -890 | 245 | | | 2548 | 5721 | 9270 | 1764 | 2606 | 0 |
| 23 | 709,040 | 5470 | 1530 | 7000 | 137 | 15 | 23 | 5352 | 6479 | 11831 | 10 | -545 | 262 | | | 2585 | 6348 | 8932 | 1547 | 2623 | 0 |
| 24 | 697,740 | 5170 | 1490 | 6660 | 129 | 15 | 24 | 5498 | 6333 | 11831 | 10 | -554 | 268 | | | 2741 | 6555 | 9291 | 1970 | 2350 | 0 |
| 25 | 688,230 | 4780 | 1450 | 6230 | 120 | 15 | 25 | 5361 | 6170 | 11531 | 10 | -377 | 262 | | | 2546 | 6561 | 9107 | 1945 | 2695 | 0 |
| 26 | 678,720 | 4880 | 1420 | 6300 | 122 | 15 | 26 | 5318 | 6109 | 11427 | 10 | -52 | 260 | | | 2325 | 6552 | 8878 | 2186 | 2594 | 0 |
| 27 | 668,500 | 5100 | 1390 | 6490 | 128 | 15 | 27 | 5026 | 6102 | 11128 | 10 | 130 | 245 | | | 2307 | 6544 | 8851 | 2690 | 2280 | 0 |
| 28 | 658,580 | 4950 | 1350 | 6300 | 124 | 15 | 28 | 4645 | 5981 | 10626 | 10 | -33 | 226 | | | 2414 | 6535 | 8948 | 2614 | 1936 | 0 |
| 29 | 648,650 | 4960 | 1310 | 6270 | 124 | 15 | 29 | 4743 | 5783 | 10526 | 9 | -107 | 232 | | | 2393 | 6521 | 8914 | 1982 | 2118 | 0 |
| 30 | 638,300 | 4990 | 1280 | 6270 | 125 | 20 | 30 | 4952 | 5775 | 10727 | 10 | -106 | 242 | | | 2380 | 6564 | 8944 | 2020 | 2000 | 0 |
| 31 | 627,720 | 4930 | 1250 | 6180 | 123 | 20 | 31 | 4806 | 5620 | 10426 | 10 | -77 | 235 | | | 2366 | 6467 | 8830 | 2234 | 1766 | 0 |
| AUG. 1 | 619,100 | 4840 | 1240 | 6080 | 121 | 20 | AUG. 1 | 4816 | 5509 | 10325 | 9 | 55 | 235 | | | 2350 | 6501 | 8851 | 2138 | 1762 | 0 |
| 2 | 609,550 | 4660 | 1230 | 5890 | 117 | 20 | 2 | 4845 | 5479 | 10324 | 9 | 136 | 236 | | | 2297 | 6505 | 8801 | 2295 | 1705 | 0 |
| 3 | 600,710 | 4670 | 1210 | 5880 | 117 | 20 | 3 | 4787 | 5437 | 10224 | 9 | 155 | 234 | | | 2165 | 6548 | 8713 | 2457 | 1643 | 0 |
| 4 | 592,170 | 4650 | 1190 | 5840 | 116 | 20 | 4 | 4699 | 5423 | 10122 | 9 | -46 | 229 | | | 2031 | 6519 | 8590 | 2552 | 1448 | 0 |
| 5 | 582,920 | 4470 | 1180 | 5650 | 112 | 20 | 5 | 4523 | 5439 | 9962 | 9 | -88 | 221 | | | 2094 | 6537 | 8601 | 2402 | 1498 | 0 |
| 6 | 573,690 | 4440 | 1160 | 5600 | 111 | 20 | 6 | 4533 | 5177 | 9710 | 9 | -118 | 221 | | | 1782 | 6497 | 8275 | 2159 | 1791 | 0 |
| 7 | 564,730 | 4360 | 1150 | 5510 | 109 | 20 | 7 | 4514 | 5226 | 9740 | 9 | -141 | 220 | | | 1875 | 6504 | 8375 | 2421 | 1429 | 0 |
| 8 | 556,490 | 4100 | 1200 | 5300 | 102 | 20 | 8 | 4338 | 5171 | 9509 | 9 | -108 | 212 | | | 1728 | 6486 | 8214 | 2287 | 1583 | 0 |
| 9 | 548,510 | 2840 | 1660 | 4500 | 71 | 20 | 9 | 4309 | 5059 | 9368 | 8 | -9 | 211 | | | 1656 | 6470 | 8125 | 2299 | 1651 | 0 |
| 10 | 542,890 | 2500 | 1100 | 3600 | 62 | 20 | 10 | 4231 | 5036 | 9267 | 8 | 71 | 206 | | | 1665 | 6430 | 8098 | 2441 | 1559 | 0 |
| 11 | 537,750 | 2790 | 1000 | 3790 | 70 | 20 | 11 | 3978 | 5072 | 9050 | 8 | 46 | 193 | | | 1559 | 6395 | 7954 | 2439 | 1491 | 0 |
| | | | | | | | 12 | 2749 | 6028 | 8777 | 8 | 112 | 129 | | | 1418 | 6346 | 7764 | 2280 | 1670 | 0 |
| | | | | | | | | 2418 | 5373 | 7791 | 8 | 193 | 118 | | | 1177 | 6088 | 7265 | 1322 | 2698 | 0 |
| | | | | | | | | 2700 | 4919 | 7619 | 9 | 392 | 132 | | | 1127 | 5862 | 6989 | 1324 | 2316 | 0 |
| | | | | | | | | | | | | | | | | | | | 1842 | 1288 | 0 |

ION OF DATA AT AND BETWEEN SNAKE RIVER

24 HOUR SECOND-FEET EXCEPT AS NOTED

| DATE | SNAKE RIVER NEAR SHELLEY | | | DIVERSIONS SHELLEY TO BLACKFOOT | | | STORAGE LOSS SHELLEY TO BLACKFOOT | THEORETICAL BALANCE OF STORAGE AT BLACKFOOT |
|---------|--------------------------|--------|-------|---------------------------------|--------|-------|-----------------------------------|---|
| | STORED | NORMAL | TOTAL | STORED | NORMAL | TOTAL | | |
| JUNE 25 | | | | | | | | |
| 26 | | | | | | | | |
| 27 | | | | | | | | |
| 28 | | | | | | | | |
| 29 | | | | | | | | |
| 30 | -631 | 7331 | 6700 | 168 | 3411 | 3579 | | |
| JULY 1 | -499 | 5969 | 5470 | 141 | 3417 | 3558 | -10 | |
| 2 | -689 | 5239 | 4550 | 122 | 3378 | 3500 | -46 | -158 |
| 3 | -907 | 5177 | 4270 | 100 | 3289 | 3389 | -37 | -726 |
| 4 | 198 | 4522 | 4720 | 32 | 3096 | 3128 | -47 | -584 |
| 5 | 1851 | 5609 | 7460 | 52 | 3084 | 3136 | -56 | -742 |
| 6 | 1838 | 6062 | 7900 | 188 | 3698 | 3886 | 9 | -883 |
| 7 | 756 | 6074 | 6830 | 175 | 3606 | 3781 | 100 | 137 |
| 8 | 651 | 5659 | 6310 | 174 | 3491 | 3665 | 100 | 1563 |
| 9 | 488 | 5182 | 5670 | 164 | 3522 | 3686 | 35 | 1563 |
| 10 | 757 | 4913 | 5670 | 154 | 3611 | 3765 | 29 | 547 |
| 11 | 1571 | 4579 | 6150 | 169 | 3535 | 3704 | 20 | 458 |
| 12 | 1029 | 4161 | 5190 | 167 | 3627 | 3794 | 35 | 314 |
| 13 | 775 | 3685 | 4460 | 146 | 3611 | 3757 | 64 | 553 |
| 14 | 1097 | 3043 | 4140 | 187 | 3540 | 3727 | 53 | 1320 |
| 15 | 2256 | 2294 | 4550 | 190 | 3491 | 3681 | 35 | 830 |
| 16 | 2163 | 2357 | 4520 | 241 | 3692 | 3833 | 54 | 553 |
| 17 | 1517 | 2733 | 4250 | 539 | 3359 | 3898 | 121 | 853 |
| 18 | 2062 | 2428 | 4490 | 874 | 2907 | 3781 | 97 | 1894 |
| 19 | 2161 | 2139 | 4300 | 1489 | 2325 | 3814 | 39 | 1527 |
| 20 | 1764 | 2406 | 4170 | 1554 | 2199 | 3753 | 34 | 604 |
| 21 | 1547 | 2623 | 4170 | 1843 | 1874 | 3717 | 36 | 539 |
| 22 | 1970 | 2390 | 4360 | 1929 | 1685 | 3614 | -5 | 571 |
| 23 | 1945 | 2695 | 4640 | 1946 | 1636 | 3582 | -22 | -74 |
| 24 | 2186 | 2594 | 4780 | 1828 | 1646 | 3474 | 1 | -360 |
| 25 | 2690 | 2280 | 4970 | 1730 | 1659 | 3389 | 7 | 110 |
| 26 | 2614 | 1936 | 4550 | 1709 | 1835 | 3544 | 27 | 429 |
| 27 | 1982 | 2118 | 4100 | 1872 | 1697 | 3569 | 59 | 922 |
| 28 | 2020 | 2000 | 4020 | 1846 | 1722 | 3568 | 45 | 697 |
| 29 | 2234 | 1766 | 4000 | 1903 | 1637 | 3540 | 8 | 128 |
| 30 | 2138 | 1762 | 3900 | 1933 | 1559 | 3492 | 7 | 110 |
| 31 | 2295 | 1705 | 4000 | 1871 | 1567 | 3438 | 18 | 283 |
| AUG. 1 | 2457 | 1643 | 4100 | 1765 | 1490 | 3255 | 16 | 251 |
| 2 | 2552 | 1448 | 4000 | 1658 | 1382 | 3040 | 32 | 498 |
| 3 | 2402 | 1498 | 3900 | 1658 | 1382 | 3040 | 48 | 751 |
| 4 | 2159 | 1791 | 3950 | 1526 | 1642 | 3168 | 62 | 964 |
| 5 | 2421 | 1429 | 3850 | 1619 | 1637 | 3256 | 47 | 736 |
| 6 | 2287 | 1583 | 3870 | 1670 | 1341 | 3011 | 29 | 460 |
| 7 | 2299 | 1651 | 3950 | 1612 | 1711 | 3323 | 48 | 761 |
| 8 | 2441 | 1559 | 4000 | 1597 | 1722 | 3319 | 41 | 649 |
| 9 | 2439 | 1481 | 3920 | 1555 | 1735 | 3290 | 45 | 699 |
| 10 | 2280 | 1670 | 3950 | 1605 | 1591 | 3196 | 50 | 786 |
| 11 | 1322 | 2698 | 4020 | 1548 | 1455 | 3003 | 53 | 838 |
| 12 | 1324 | 2316 | 3640 | 1351 | 1445 | 2796 | 56 | 873 |
| 13 | 1842 | 1288 | 3130 | 1322 | 2091 | 2611 | 48 | 754 |
| | | | | 520 | 2041 | 2526 | 50 | 789 |
| | | | | 520 | 2006 | 2526 | 79 | 1243 |

| DATE | BLACKFOOT RIVER | SNAKE RIVER NEAR BLACKFOOT | | | CALCULATED INFLOW TO NEELEY | DATE | AMERICAN FALLS RESERVOIR CONTENTS ACRE-FEET | SNAKE RIVER AT NEELEY | | | LAKE WALCOTT CONTENTS ACRE-FEET | NORTH | SOUTH |
|---------|-----------------|----------------------------|--------|-------|-----------------------------|---------|---|-----------------------|--------|-------|---------------------------------|-------|-------|
| | | STORED | NORMAL | TOTAL | | | | STORED | NORMAL | TOTAL | | | |
| JUNE 26 | | 0 | | 7480 | 2903 | JUNE 27 | 1,705,050 | 1317 | 10383 | | | | |
| 27 | | 0 | | 6410 | 2860 | 28 | 1,698,320 | 2130 | 9270 | 11700 | 95,910 | 1630 | |
| 28 | | 0 | | 5940 | 2783 | 29 | 1,685,990 | 3177 | 8723 | 11400 | 95,870 | 1630 | |
| 29 | | 0 | | 5010 | 2687 | 30 | 1,680,940 | 4203 | 7897 | 11900 | 94,840 | 1630 | |
| 30 | 25 | -158 | 4038 | 3880 | 2700 | JULY 1 | 1,669,760 | 5182 | 6738 | 11900 | 94,150 | 1630 | |
| JULY 1 | 12 | -726 | 3566 | 2840 | 2719 | 2 | 1,656,500 | 6672 | 6285 | 11800 | 94,150 | 1630 | |
| 2 | 10 | -584 | 2384 | 1740 | 2704 | 3 | 1,642,120 | 6544 | 5028 | 11700 | 94,390 | 1640 | |
| 3 | 21 | -742 | 2172 | 1430 | 2784 | 4 | 1,627,750 | 6515 | 4936 | 11500 | 94,030 | 1630 | |
| 4 | 14 | -883 | 2003 | 1120 | 2782 | 5 | 1,613,440 | 6515 | 4785 | 11300 | 94,150 | 1630 | |
| 5 | 13 | 137 | 2663 | 2800 | 2803 | 6 | 1,603,120 | 6734 | 5496 | 11200 | 93,870 | 1630 | |
| 6 | 17 | 1563 | 2667 | 4230 | 2824 | 7 | 1,594,420 | 6709 | 5481 | 11200 | 93,870 | 1630 | |
| 7 | 18 | 1563 | 1827 | 3390 | 2762 | 8 | 1,584,840 | 6511 | 4688 | 11100 | 93,870 | 1630 | |
| 8 | 16 | 547 | 2563 | 3110 | 2729 | 9 | 1,574,310 | 6108 | 5282 | 11400 | 94,230 | 1620 | |
| 9 | 22 | 458 | 2202 | 2660 | 2713 | 10 | 1,560,230 | 6881 | 4915 | 11800 | 94,490 | 1620 | |
| 10 | 23 | 314 | 2076 | 2390 | 2710 | 11 | 1,546,390 | 7114 | 4788 | 11900 | 94,950 | 1620 | |
| 11 | 28 | 553 | 1967 | 2520 | 2706 | 12 | 1,532,010 | 7427 | 4673 | 12100 | 95,180 | 1620 | |
| 12 | 18 | 1320 | 930 | 2250 | 2694 | 13 | 1,517,110 | 8378 | 3624 | 12000 | 95,070 | 1610 | |
| 13 | 16 | 994 | 186 | 1180 | 2693 | 14 | 1,501,790 | 9121 | 2879 | 12000 | 95,070 | 1610 | |
| 14 | 14 | 476 | 184 | 660 | 2690 | 15 | 1,486,610 | 9226 | 2374 | 12100 | 94,730 | 1600 | |
| 15 | 14 | 392 | 184 | 576 | 2684 | 16 | 1,466,180 | 9532 | 2388 | 12400 | 94,020 | 1590 | |
| 16 | 22 | 688 | 192 | 880 | 2680 | 17 | 1,448,020 | 9928 | 2872 | 12800 | 94,250 | 1600 | |
| 17 | 30 | 593 | 200 | 793 | 2673 | 18 | 1,432,080 | 9927 | 2873 | 12800 | 94,250 | 1600 | |
| 18 | 28 | 634 | 198 | 832 | 2672 | 19 | 1,412,540 | 9830 | 2870 | 12700 | 94,150 | 1600 | |
| 19 | 28 | 714 | 198 | 912 | 2671 | 20 | 1,388,190 | 9531 | 2869 | 12400 | 94,150 | 1600 | |
| 20 | 35 | 483 | 205 | 688 | 2668 | 21 | 1,377,100 | 9227 | 2873 | 12100 | 94,870 | 1600 | |
| 21 | 33 | 439 | 203 | 642 | 2668 | 22 | 1,360,960 | 9129 | 2871 | 12000 | 94,830 | 1600 | |
| 22 | 30 | 632 | 200 | 832 | 2669 | 23 | 1,344,510 | 9131 | 2869 | 12000 | 94,630 | 1600 | |
| 23 | 35 | 755 | 205 | 960 | 2678 | 24 | 1,325,210 | 9117 | 2883 | 12000 | 95,550 | 1590 | |
| 24 | 49 | 1141 | 219 | 1360 | 2684 | 25 | 1,308,380 | 9297 | 2903 | 12200 | 95,180 | 1560 | |
| 25 | 51 | 1359 | 221 | 1580 | 2688 | 26 | 1,293,720 | 9391 | 2909 | 12300 | 95,910 | 1530 | |
| 26 | 39 | 1151 | 209 | 1360 | 2688 | 27 | 1,275,210 | 9303 | 2897 | 12200 | 95,870 | 1460 | |
| 27 | 26 | 700 | 196 | 896 | 2688 | 28 | 1,260,610 | 9116 | 2884 | 12000 | 97,350 | 1460 | |
| 28 | 19 | 417 | 189 | 606 | 2693 | 29 | 1,245,200 | 9518 | 2882 | 12400 | 97,590 | 1410 | |
| 29 | 21 | 421 | 191 | 612 | 2698 | 30 | 1,229,370 | 8711 | 2889 | 11600 | 97,840 | 1410 | |
| 30 | 26 | 410 | 196 | 606 | 2702 | 31 | 1,214,980 | 8702 | 2898 | 11600 | 96,870 | 1410 | |
| 31 | 33 | 499 | 203 | 702 | 2717 | AUG. 1 | 1,198,860 | 9090 | 2380 | 12000 | 96,870 | 1410 | |
| AUG. 1 | 33 | 793 | 203 | 996 | 2720 | 2 | 1,182,850 | 9077 | 2383 | 12000 | 96,750 | 1410 | |
| 2 | 42 | 868 | 212 | 1080 | 2727 | 3 | 1,169,190 | 8941 | 2339 | 11900 | 97,110 | 1410 | |
| 3 | 43 | 580 | 213 | 793 | 2734 | 4 | 1,152,440 | 8953 | 2347 | 11900 | 96,750 | 1410 | |
| 4 | 40 | 598 | 210 | 808 | 2758 | 5 | 1,139,530 | 8832 | 2368 | 11800 | 96,630 | 1410 | |
| 5 | 39 | 549 | 209 | 758 | 2767 | 6 | 1,123,400 | 8724 | 2376 | 11700 | 96,150 | 1410 | |
| 6 | 49 | 435 | 219 | 654 | 2766 | 7 | 1,105,640 | 8615 | 2385 | 11600 | 94,720 | 1410 | |
| 7 | 41 | 589 | 211 | 800 | 2777 | 8 | 1,092,560 | 8712 | 2388 | 11700 | 94,250 | 1410 | |
| 8 | 44 | 690 | 214 | 904 | 2775 | 9 | 1,079,490 | 8711 | 2389 | 11700 | 94,250 | 1410 | |
| 9 | 58 | 852 | 228 | 1080 | 2790 | 10 | 1,063,430 | 8682 | 3018 | 11700 | 94,600 | 1410 | |
| 10 | 60 | 900 | 230 | 1130 | 2813 | 11 | 1,045,820 | 8557 | 3043 | 11600 | 94,840 | 1410 | |
| 11 | 75 | 1285 | 245 | 1530 | 2800 | 12 | 1,030,850 | 8795 | 3045 | 11800 | 94,250 | 1410 | |
| 12 | 94 | 1306 | 264 | 1570 | 2790 | 13 | 1,014,860 | 9246 | 3054 | 12300 | 94,370 | 1410 | |
| 13 | 90 | 790 | 260 | 1050 | 2794 | 14 | 998,980 | 9446 | 3054 | 12500 | 94,840 | 1410 | |
| 14 | 60 | 573 | 220 | 793 | 2795 | 15 | 982,280 | 9388 | 3015 | 12400 | 94,870 | 1410 | |

IC SNAKE RIVER GAGING STATIONS

NOTED

PLATE

| DATE | LAKE RIVER AT NEELEY | | LAKE WALCOTT CONTENTS ACRE-FEET | MINIDOKA CANALS | | | | SNAKE RIVER NEAR MINIDOKA | | | DATE | MILNER LAKE GAGE FEET | GODDING PROJECT | | | SNAKE RIVER AT MILNER | | | | | | |
|---------|----------------------|-------|---------------------------------|-----------------|-------|-------|--------|---------------------------|--------|--------|------|-----------------------|-----------------|--------|--------|-----------------------|------|---------|------|-------|--------|-----|
| | EXCESS | TOTAL | | NORTH | SOUTH | TOTAL | STORED | NORMAL | STORED | NORMAL | | | TOTAL | STORED | NORMAL | TOTAL | PA. | GODDING | MAIN | TOTAL | NORMAL | |
| JUNE 25 | 7 | 10383 | 11700 | 95,910 | 1630 | 1260 | 2890 | 164 | 2726 | 1213 | 7657 | 8870 | JUNE 28 | 10.94 | 1180 | 260 | 1460 | 50 | 1060 | 2500 | 310 | 310 |
| 26 | 10 | 9270 | 11400 | 95,670 | 1620 | 1270 | 2890 | 164 | 2726 | 1486 | 6544 | 8030 | 29 | 10.86 | 1440 | 0 | 1440 | 50 | 950 | 2500 | 310 | 310 |
| 27 | 7 | 8723 | 11900 | 94,840 | 1620 | 1270 | 2890 | 167 | 2726 | 2180 | 6000 | 8180 | 30 | 10.96 | 1440 | 0 | 1440 | 50 | 980 | 2540 | 310 | 310 |
| 28 | 13 | 7697 | 11900 | 96,150 | 1630 | 1270 | 2900 | 1174 | 1726 | 2479 | 5971 | 8450 | JULY 1 | 10.98 | 1450 | 0 | 1450 | 50 | 1010 | 2540 | 310 | 310 |
| 29 | 12 | 6738 | 11900 | 96,150 | 1630 | 1260 | 2880 | 1194 | 1726 | 3438 | 5012 | 8450 | 2 | 11.04 | 1440 | 0 | 1440 | 50 | 1180 | 2540 | 310 | 310 |
| 30 | 15 | 6285 | 11800 | 96,150 | 1630 | 1250 | 2880 | 1194 | 1726 | 3921 | 4559 | 8480 | 3 | 11.06 | 1460 | 0 | 1460 | 50 | 1130 | 2540 | 310 | 310 |
| JULY 1 | 72 | 5028 | 11700 | 96,390 | 1640 | 1260 | 2900 | 1272 | 1726 | 6230 | 3400 | 8630 | 4 | 10.98 | 1500 | 0 | 1500 | 50 | 1130 | 2540 | 310 | 310 |
| 2 | 94 | 4936 | 11500 | 96,030 | 1630 | 1260 | 2890 | 1364 | 1626 | 5230 | 3400 | 8630 | 5 | 11.00 | 1500 | 0 | 1500 | 50 | 1130 | 2540 | 310 | 310 |
| 3 | 15 | 4765 | 11300 | 96,150 | 1630 | 1050 | 2680 | 1295 | 1386 | 5230 | 3400 | 8630 | 6 | 11.06 | 1510 | 0 | 1510 | 75 | 1190 | 2540 | 310 | 310 |
| 4 | 34 | 5466 | 11200 | 95,670 | 1630 | 1140 | 2770 | 1044 | 1786 | 4710 | 3740 | 8450 | 7 | 11.00 | 1500 | 0 | 1500 | 50 | 1140 | 2550 | 310 | 310 |
| 5 | 09 | 5491 | 11200 | 95,670 | 1630 | 1220 | 2850 | 1124 | 1726 | 4655 | 3765 | 8420 | 8 | 10.97 | 1500 | 0 | 1500 | 50 | 1130 | 2560 | 310 | 310 |
| 6 | 11 | 4589 | 11100 | 94,950 | 1620 | 1230 | 2850 | 1661 | 1189 | 5080 | 3400 | 8480 | 9 | 10.98 | 1510 | 0 | 1510 | 50 | 1110 | 2560 | 310 | 310 |
| 7 | 18 | 5292 | 11400 | 94,250 | 1620 | 1250 | 2870 | 1144 | 1726 | 5034 | 3566 | 8500 | 10 | 11.06 | 1510 | 0 | 1510 | 50 | 1130 | 2540 | 310 | 310 |
| 8 | 25 | 4915 | 11800 | 94,490 | 1620 | 1260 | 2870 | 1365 | 1815 | 5140 | 3400 | 8540 | 11 | 11.00 | 1490 | 0 | 1490 | 50 | 1140 | 2560 | 310 | 310 |
| 9 | 14 | 4786 | 11900 | 94,950 | 1620 | 1260 | 2880 | 1494 | 1386 | 5110 | 3400 | 8510 | 12 | 10.88 | 1480 | 0 | 1480 | 50 | 1130 | 2540 | 310 | 310 |
| 10 | 17 | 4673 | 12100 | 95,180 | 1620 | 1260 | 2880 | 1607 | 1273 | 5350 | 3400 | 8750 | 13 | 10.86 | 1480 | 0 | 1480 | 70 | 1110 | 2500 | 310 | 310 |
| 11 | 26 | 3624 | 12000 | 95,070 | 1610 | 1270 | 2880 | 2656 | 284 | 5440 | 3400 | 8940 | 14 | 10.92 | 1510 | 0 | 1510 | 70 | 1090 | 2500 | 310 | 310 |
| 12 | 21 | 2679 | 12000 | 95,070 | 1610 | 1290 | 2900 | 2900 | 0 | 5931 | 2879 | 8810 | 15 | 10.96 | 1530 | 0 | 1530 | 70 | 1090 | 2500 | 310 | 310 |
| 13 | 26 | 2674 | 12100 | 94,720 | 1600 | 1290 | 2890 | 2890 | 0 | 5726 | 2874 | 8600 | 16 | 10.81 | 1510 | 0 | 1510 | 70 | 1090 | 2540 | 310 | 310 |
| 14 | 32 | 2668 | 12400 | 94,020 | 1590 | 1290 | 2880 | 2880 | 0 | 5942 | 2868 | 8810 | 17 | 10.88 | 1510 | 0 | 1510 | 70 | 1090 | 2540 | 310 | 310 |
| 15 | 28 | 2872 | 12800 | 94,250 | 1600 | 1290 | 2890 | 2890 | 0 | 6208 | 2872 | 9080 | 18 | 11.02 | 1520 | 0 | 1520 | 70 | 1090 | 2700 | 310 | 310 |
| 16 | 27 | 2873 | 12800 | 96,150 | 1610 | 1290 | 2900 | 2900 | 0 | 6237 | 2873 | 9110 | 19 | 10.96 | 1500 | 0 | 1500 | 70 | 1070 | 2700 | 310 | 310 |
| 17 | 30 | 2870 | 12700 | 96,150 | 1630 | 1280 | 2910 | 2910 | 0 | 6370 | 2870 | 9240 | 20 | 10.72 | 1490 | 0 | 1490 | 70 | 1060 | 2680 | 310 | 310 |
| 18 | 31 | 2869 | 12400 | 95,180 | 1640 | 1270 | 2910 | 2910 | 0 | 6411 | 2869 | 9480 | 21 | 11.00 | 1520 | 0 | 1520 | 70 | 1030 | 2720 | 310 | 310 |
| 19 | 27 | 2873 | 12100 | 96,670 | 1650 | 1270 | 2920 | 2920 | 0 | 6267 | 2873 | 9140 | 22 | 10.99 | 1520 | 0 | 1520 | 70 | 1090 | 2780 | 310 | 310 |
| 20 | 29 | 2871 | 12000 | 96,630 | 1640 | 1270 | 2910 | 2910 | 0 | 6239 | 2871 | 9110 | 23 | 11.00 | 1520 | 0 | 1520 | 70 | 1100 | 2720 | 310 | 310 |
| 21 | 31 | 2869 | 12000 | 96,630 | 1620 | 1260 | 2880 | 2880 | 0 | 6241 | 2869 | 9110 | 24 | 10.94 | 1510 | 0 | 1510 | 70 | 1100 | 2700 | 310 | 310 |
| 22 | 17 | 2883 | 12000 | 95,250 | 1590 | 1270 | 2860 | 2860 | 0 | 6357 | 2883 | 9240 | 25 | 10.99 | 1540 | 0 | 1540 | 50 | 1110 | 2680 | 310 | 310 |
| 23 | 24 | 2903 | 12200 | 95,180 | 1560 | 1270 | 2830 | 2830 | 0 | 6427 | 2903 | 9330 | 26 | 11.06 | 1560 | 0 | 1560 | 50 | 1120 | 2670 | 310 | 310 |
| 24 | 31 | 2909 | 12300 | 95,910 | 1530 | 1270 | 2800 | 2800 | 0 | 6391 | 2909 | 9300 | 27 | 10.98 | 1510 | 0 | 1510 | 50 | 1120 | 2600 | 310 | 310 |
| 25 | 03 | 2897 | 12200 | 95,670 | 1480 | 1270 | 2750 | 2750 | 0 | 6343 | 2897 | 9240 | 28 | 11.06 | 1560 | 0 | 1560 | 50 | 1120 | 2600 | 310 | 310 |
| 26 | 16 | 2864 | 12000 | 97,350 | 1460 | 1270 | 2730 | 2730 | 0 | 6226 | 2864 | 9110 | 29 | 11.06 | 1540 | 0 | 1540 | 50 | 1130 | 2570 | 310 | 310 |
| 27 | 18 | 2882 | 12400 | 97,590 | 1460 | 1260 | 2720 | 2720 | 0 | 6079 | 2882 | 8960 | 30 | 11.04 | 1530 | 0 | 1530 | 50 | 1130 | 2540 | 310 | 310 |
| 28 | 11 | 2889 | 11600 | 97,840 | 1440 | 1250 | 2690 | 2690 | 0 | 6011 | 2889 | 8900 | 31 | 11.02 | 1530 | 0 | 1530 | 50 | 1130 | 2540 | 310 | 310 |
| 29 | 02 | 2898 | 11600 | 96,670 | 1400 | 1240 | 2640 | 2640 | 0 | 5822 | 2898 | 8720 | AUG. 1 | 10.94 | 1510 | 0 | 1510 | 70 | 1120 | 2500 | 310 | 310 |
| 30 | 180 | 2920 | 12000 | 96,670 | 1400 | 1240 | 2640 | 2640 | 0 | 5770 | 2920 | 8690 | 2 | 10.94 | 1510 | 0 | 1510 | 70 | 1120 | 2500 | 310 | 310 |
| AUG. 1 | 177 | 2923 | 12000 | 96,750 | 1400 | 1240 | 2640 | 2640 | 0 | 5827 | 2923 | 8750 | 3 | 10.96 | 1480 | 0 | 1480 | 70 | 1130 | 2540 | 310 | 310 |
| 2 | 161 | 2939 | 11900 | 97,110 | 1400 | 1250 | 2650 | 2650 | 0 | 5841 | 2939 | 8760 | 4 | 11.02 | 1450 | 0 | 1450 | 70 | 1140 | 2580 | 310 | 310 |
| 3 | 153 | 2947 | 11900 | 96,750 | 1400 | 1250 | 2650 | 2650 | 0 | 5923 | 2947 | 8870 | 5 | 11.06 | 1470 | 0 | 1470 | 72 | 1150 | 2590 | 310 | 310 |
| 4 | 132 | 2966 | 11800 | 96,630 | 1440 | 1250 | 2690 | 2690 | 0 | 5812 | 2966 | 8780 | 6 | 11.03 | 1470 | 0 | 1470 | 72 | 1140 | 2580 | 310 | 310 |
| 5 | 124 | 2976 | 11700 | 96,150 | 1470 | 1250 | 2720 | 2720 | 0 | 5924 | 2976 | 8900 | 7 | 10.98 | 1470 | 0 | 1470 | 72 | 1130 | 2620 | 310 | 310 |
| 6 | 115 | 2985 | 11600 | 94,720 | 1470 | 1260 | 2730 | 2730 | 0 | 6065 | 2985 | 9050 | 8 | 11.01 | 1480 | 0 | 1480 | 72 | 1120 | 2640 | 310 | 310 |
| 7 | 112 | 2988 | 11700 | 94,250 | 1500 | 1270 | 2770 | 2770 | 0 | 6092 | 2988 | 9080 | 9 | 11.10 | 1490 | 0 | 1490 | 72 | 1130 | 2640 | 310 | 310 |
| 8 | 111 | 2989 | 11700 | 94,250 | 1560 | 1280 | 2840 | 2840 | 0 | 5791 | 2989 | 8780 | 10 | 11.02 | 1480 | 0 | 1480 | 73 | 1110 | 2640 | 310 | 310 |
| 9 | 182 | 3018 | 11700 | 94,600 | 1560 | 1280 | 2840 | 2840 | 0 | 5522 | 3018 | 8540 | 11 | 10.91 | 1470 | 0 | 1470 | 73 | 1080 | 2660 | 310 | 310 |
| 10 | 157 | 3043 | 11600 | 94,840 | 1530 | 1280 | 2810 | 2810 | 0 | 5557 | 3043 | 8600 | 12 | 10.78 | 1450 | 0 | 1450 | 72 | 1070 | 2710 | 310 | 310 |
| 11 | 155 | 3045 | 11600 | 94,250 | 1520 | 1280 | 2800 | 2800 | 0 | 5795 | 3045 | 8640 | 13 | 10.74 | 1450 | 0 | 1450 | 73 | 1090 | 2720 | 310 | 310 |
| 12 | 146 | 3054 | 12300 | 94,370 | 1520 | 1280 | 2800 | 2800 | 0 | 5878 | 3054 | 8930 | 14 | 10.84 | 1350 | 0 | 1350 | 72 | 1060 | 2740 | 310 | 310 |
| 13 | 146 | 3054 | 12500 | 94,840 | 1470 | 1280 | 2750 | 2750 | 0 | 6156 | 3054 | 9210 | 15 | 11.08 | 1290 | 0 | 1290 | 73 | 1130 | 2780 | 310 | 310 |
| 14 | 145 | 3015 | 12400 | 96,270 | 1440 | 1270 | 2710 | 2710 | 0 | 6195 | 3015 | 9210 | 16 | 11.08 | 1290 | 0 | 1290 | 73 | 1130 | 2780 | 310 | 310 |

GAGING STATIONS 1949

PLATE NO. 12

| SNAKE RIVER NEAR MINIDOKA | | | DATE | MILNER LAKE GAGE FEET | GOODING PROJECT | | | NORTH SIDE CANAL COMPANY | | | | TWIN FALLS CANAL COMPANY | | | MILNER LOW LIFT | | | SNAKE RIVER AT MILNER | | | | |
|------------------------------|--------|-------|---------|--------------------------------|-----------------|--------|-------|--------------------------|---------|------|-------|-----------------------------|--------|--------|-----------------|-------|--------|--------------------------|-------|--------|--------|-------|
| STORED | NORMAL | TOTAL | | | STORED | NORMAL | TOTAL | P.A. | GOODING | MAIN | TOTAL | STORED | NORMAL | STORED | NORMAL | TOTAL | STORED | NORMAL | TOTAL | STORED | NORMAL | TOTAL |
| 1213 | 7657 | 8670 | JUNE 28 | 10.94 | 1180 | 280 | 1460 | 59 | 1000 | 2520 | 3579 | 0 | 3579 | 0 | 3490 | 3490 | 0 | 172 | 172 | 0 | 136 | 136 |
| 1485 | 6544 | 8030 | 29 | 10.66 | 1440 | 0 | 1440 | 59 | 950 | 2530 | 3539 | 535 | 3004 | 0 | 3540 | 3540 | 172 | 0 | 172 | 13 | 0 | 13 |
| 2180 | 6000 | 8180 | 30 | 10.86 | 1440 | 0 | 1440 | 59 | 980 | 2540 | 3579 | 579 | 3000 | 560 | 3000 | 3580 | 172 | 0 | 172 | 12 | 0 | 12 |
| 2479 | 5971 | 8450 | JULY 1 | 10.98 | 1450 | 0 | 1450 | 59 | 1010 | 2540 | 3609 | 628 | 2971 | 560 | 3000 | 3560 | 172 | 0 | 172 | 13 | 0 | 13 |
| 3438 | 5012 | 8450 | 2 | 11.04 | 1440 | 0 | 1440 | 59 | 1120 | 2560 | 3739 | 1727 | 2012 | 540 | 3000 | 3540 | 172 | 0 | 172 | 15 | 0 | 15 |
| 3921 | 4559 | 8480 | 3 | 11.06 | 1460 | 0 | 1460 | 59 | 1120 | 2560 | 3739 | 2180 | 1559 | 540 | 3000 | 3540 | 172 | 0 | 172 | 49 | 0 | 49 |
| 5230 | 3400 | 8630 | 4 | 10.98 | 1500 | 0 | 1500 | 59 | 1130 | 2540 | 3729 | 3329 | 400 | 560 | 3000 | 3560 | 172 | 0 | 172 | 329 | 0 | 329 |
| 5230 | 3400 | 8630 | 5 | 11.00 | 1500 | 0 | 1500 | 59 | 1130 | 2540 | 3729 | 3329 | 400 | 550 | 3000 | 3550 | 172 | 0 | 172 | 117 | 0 | 117 |
| 5230 | 3400 | 8630 | 6 | 11.06 | 1510 | 0 | 1510 | 70 | 1140 | 2550 | 3760 | 3360 | 400 | 560 | 3000 | 3580 | 172 | 0 | 172 | 580 | 0 | 580 |
| 4710 | 3740 | 8450 | 7 | 11.00 | 1500 | 0 | 1500 | 69 | 1130 | 2500 | 3699 | 2959 | 740 | 580 | 3000 | 3580 | 172 | 0 | 172 | 65 | 0 | 65 |
| 4655 | 3765 | 8420 | 8 | 10.97 | 1500 | 0 | 1500 | 69 | 1110 | 2500 | 3679 | 2914 | 765 | 600 | 3000 | 3600 | 172 | 0 | 172 | 12 | 0 | 12 |
| 5080 | 3400 | 8480 | 9 | 10.98 | 1510 | 0 | 1510 | 69 | 1130 | 2540 | 3739 | 3339 | 400 | 590 | 3000 | 3590 | 172 | 0 | 172 | 16 | 0 | 16 |
| 5034 | 3566 | 8600 | 10 | 11.06 | 1510 | 0 | 1510 | 69 | 1140 | 2560 | 3769 | 3203 | 566 | 580 | 3000 | 3580 | 199 | 0 | 199 | 18 | 0 | 18 |
| 5140 | 3400 | 8540 | 11 | 11.00 | 1490 | 0 | 1490 | 69 | 1120 | 2540 | 3729 | 3329 | 400 | 560 | 3000 | 3560 | 199 | 0 | 199 | 13 | 0 | 13 |
| 5110 | 3400 | 8510 | 12 | 10.88 | 1480 | 0 | 1480 | 69 | 1110 | 2500 | 3679 | 3279 | 400 | 580 | 3000 | 3580 | 199 | 0 | 199 | 11 | 0 | 11 |
| 5350 | 3400 | 8750 | 13 | 10.86 | 1480 | 0 | 1480 | 70 | 1110 | 2500 | 3680 | 3280 | 400 | 580 | 3000 | 3580 | 199 | 0 | 199 | 11 | 0 | 11 |
| 5440 | 3400 | 8840 | 14 | 10.92 | 1510 | 0 | 1510 | 70 | 1090 | 2520 | 3680 | 3280 | 400 | 580 | 3000 | 3580 | 199 | 0 | 199 | 13 | 0 | 13 |
| 5551 | 2679 | 8810 | 15 | 10.96 | 1530 | 0 | 1530 | 70 | 1090 | 2540 | 3700 | 3361 | 339 | 1060 | 2540 | 3600 | 199 | 0 | 199 | 12 | 0 | 12 |
| 5726 | 2674 | 8600 | 16 | 10.81 | 1510 | 0 | 1510 | 70 | 1060 | 2540 | 3670 | 3332 | 338 | 1054 | 2536 | 3590 | 199 | 0 | 199 | 12 | 0 | 12 |
| 5942 | 2668 | 8810 | 17 | 10.88 | 1510 | 0 | 1510 | 70 | 1060 | 2650 | 3780 | 3442 | 338 | 1070 | 2530 | 3600 | 199 | 0 | 199 | 181 | 0 | 181 |
| 6208 | 2672 | 9080 | 18 | 11.02 | 1520 | 0 | 1520 | 70 | 1080 | 2700 | 3850 | 3512 | 338 | 1076 | 2534 | 3610 | 199 | 0 | 199 | 228 | 0 | 228 |
| 6237 | 2873 | 9110 | 19 | 10.96 | 1500 | 0 | 1500 | 70 | 1070 | 2700 | 3840 | 3502 | 338 | 1085 | 2535 | 3600 | 199 | 0 | 199 | 232 | 0 | 232 |
| 6370 | 2870 | 9240 | 20 | 10.72 | 1490 | 0 | 1490 | 70 | 1060 | 2680 | 3810 | 3472 | 338 | 1048 | 2532 | 3580 | 199 | 0 | 199 | 234 | 0 | 234 |
| 6611 | 2869 | 9480 | 21 | 11.00 | 1520 | 0 | 1520 | 70 | 1090 | 2720 | 3880 | 3542 | 338 | 1069 | 2531 | 3600 | 199 | 0 | 199 | 232 | 0 | 232 |
| 6857 | 2873 | 9140 | 22 | 10.99 | 1520 | 0 | 1520 | 70 | 1090 | 2720 | 3880 | 3542 | 338 | 1035 | 2535 | 3570 | 199 | 0 | 199 | 232 | 0 | 232 |
| 7239 | 2871 | 9110 | 23 | 11.00 | 1520 | 0 | 1520 | 70 | 1100 | 2720 | 3890 | 3552 | 338 | 1037 | 2533 | 3570 | 199 | 0 | 199 | 230 | 0 | 230 |
| 7441 | 2869 | 9110 | 24 | 10.94 | 1510 | 0 | 1510 | 70 | 1100 | 2700 | 3870 | 3532 | 338 | 1029 | 2531 | 3560 | 200 | 0 | 200 | 230 | 0 | 230 |
| 7557 | 2883 | 9240 | 25 | 10.99 | 1540 | 0 | 1540 | 68 | 1110 | 2680 | 3858 | 3518 | 340 | 1007 | 2543 | 3550 | 200 | 0 | 200 | 266 | 0 | 266 |
| 7827 | 2903 | 9330 | 26 | 11.06 | 1560 | 0 | 1560 | 68 | 1120 | 2670 | 3858 | 3516 | 342 | 979 | 2561 | 3540 | 200 | 0 | 200 | 236 | 0 | 236 |
| 7991 | 2909 | 9300 | 27 | 10.98 | 1510 | 0 | 1510 | 68 | 1120 | 2600 | 3788 | 3446 | 342 | 973 | 2567 | 3540 | 200 | 0 | 200 | 232 | 0 | 232 |
| 8043 | 2897 | 9240 | 28 | 11.06 | 1560 | 0 | 1560 | 68 | 1120 | 2600 | 3788 | 3447 | 341 | 984 | 2556 | 3540 | 200 | 0 | 200 | 232 | 0 | 232 |
| 8226 | 2884 | 9110 | 29 | 11.06 | 1540 | 0 | 1540 | 68 | 1130 | 2570 | 3768 | 3428 | 340 | 986 | 2544 | 3530 | 200 | 0 | 200 | 232 | 0 | 232 |
| 8378 | 2882 | 8960 | 30 | 11.04 | 1530 | 0 | 1530 | 68 | 1130 | 2560 | 3758 | 3419 | 339 | 997 | 2543 | 3540 | 200 | 0 | 200 | 232 | 0 | 232 |
| 8511 | 2889 | 8900 | 31 | 11.02 | 1530 | 0 | 1530 | 68 | 1130 | 2560 | 3758 | 3418 | 340 | 991 | 2549 | 3540 | 201 | 0 | 201 | 232 | 0 | 232 |
| 8622 | 2898 | 8720 | AUG. 1 | 10.94 | 1510 | 0 | 1510 | 70 | 1120 | 2500 | 3690 | 3349 | 341 | 983 | 2557 | 3540 | 201 | 0 | 201 | 232 | 0 | 232 |
| 8770 | 2920 | 8690 | 2 | 10.94 | 1510 | 0 | 1510 | 70 | 1120 | 2500 | 3690 | 3346 | 344 | 964 | 2576 | 3540 | 201 | 0 | 201 | 232 | 0 | 232 |
| 8827 | 2923 | 8750 | 3 | 10.98 | 1480 | 0 | 1480 | 70 | 1130 | 2560 | 3760 | 3416 | 344 | 981 | 2579 | 3560 | 201 | 0 | 201 | 234 | 0 | 234 |
| 8941 | 2939 | 8780 | 4 | 11.02 | 1450 | 0 | 1450 | 70 | 1140 | 2580 | 3790 | 3444 | 346 | 967 | 2593 | 3560 | 201 | 0 | 201 | 232 | 0 | 232 |
| 9023 | 2947 | 8870 | 5 | 11.06 | 1470 | 0 | 1470 | 72 | 1150 | 2590 | 3812 | 3465 | 347 | 960 | 2600 | 3580 | 201 | 0 | 201 | 228 | 0 | 228 |
| 9112 | 2968 | 8780 | 6 | 11.03 | 1470 | 0 | 1470 | 72 | 1140 | 2580 | 3792 | 3442 | 350 | 932 | 2618 | 3550 | 201 | 0 | 201 | 223 | 0 | 223 |
| 9224 | 2976 | 8900 | 7 | 10.98 | 1470 | 0 | 1470 | 72 | 1130 | 2620 | 3822 | 3472 | 350 | 924 | 2626 | 3550 | 201 | 0 | 201 | 223 | 0 | 223 |
| 9355 | 2985 | 9050 | 8 | 11.01 | 1480 | 0 | 1480 | 72 | 1120 | 2660 | 3852 | 3501 | 351 | 916 | 2634 | 3550 | 201 | 0 | 201 | 244 | 0 | 244 |
| 9492 | 2988 | 9080 | 9 | 11.10 | 1490 | 0 | 1490 | 72 | 1130 | 2680 | 3882 | 3530 | 352 | 923 | 2637 | 3560 | 175 | 0 | 175 | 223 | 0 | 223 |
| 9591 | 2989 | 8780 | 10 | 11.02 | 1480 | 0 | 1480 | 73 | 1110 | 2640 | 3823 | 3471 | 355 | 927 | 2663 | 3590 | 185 | 0 | 185 | 221 | 0 | 221 |
| 9622 | 3018 | 8540 | 11 | 10.91 | 1470 | 0 | 1470 | 73 | 1080 | 2630 | 3783 | 3428 | 358 | 935 | 2685 | 3620 | 198 | 0 | 198 | 214 | 0 | 214 |
| 9757 | 3043 | 8600 | 12 | 10.78 | 1450 | 0 | 1450 | 73 | 1070 | 2660 | 3803 | 3445 | 358 | 953 | 2687 | 3640 | 198 | 0 | 198 | 212 | 0 | 212 |
| 9895 | 3045 | 8840 | 13 | 10.74 | 1450 | 0 | 1450 | 73 | 1050 | 2710 | 3833 | 3475 | 358 | 953 | 2687 | 3640 | 198 | 0 | 198 | 216 | 0 | 216 |
| 9976 | 3054 | 8930 | 14 | 10.84 | 1350 | 0 | 1350 | 73 | 1080 | 2720 | 3873 | 3514 | 359 | 955 | 2695 | 3650 | 198 | 0 | 198 | 416 | 0 | 416 |
| 9996 | 3054 | 9210 | 15 | 11.09 | 1290 | 0 | 1290 | 73 | 1130 | 2740 | 3943 | 3584 | 359 | 975 | 2695 | 3670 | 198 | 0 | 198 | 511 | 0 | 511 |
| 9996 | 3015 | 9210 | 16 | 11.08 | 1290 | 0 | 1290 | 73 | 1130 | 2720 | 3923 | 3568 | 355 | 990 | 2660 | 3650 | 198 | 0 | 198 | 511 | 0 | 511 |

DAILY SEGREGATION OF

| DATE | JACKSON LAKE CONTENTS ACRE-FEET | SNAKE RIVER AT MORAN | | | MORAN TO HEISE | | DATE | HEISE & RILEY | | | STORAGE INFLOW HEISE TO SHELLEY | | STORAGE LOSS HEISE TO SHELLEY | DIVERSIONS HEISE TO SHELLEY | | | SNAKE RIVER NEAR SHELLEY | | | |
|---------|---------------------------------|----------------------|--------|-------|----------------|------------------|---------|---------------|--------|-------|---------------------------------|---------------------------|-------------------------------|-----------------------------|--------|-------|--------------------------|--------|-------|------|
| | | STORED | NORMAL | TOTAL | STORED LOSS | STORED DIVERSION | | STORED | NORMAL | TOTAL | MARKET LAKE | HENRY'S FORK NEAR REXBURG | | STORED | NORMAL | TOTAL | STORED | NORMAL | TOTAL | |
| AUG. 12 | 531,190 | 2963 | 987 | 3950 | | | | | | | | | | | | | | | | |
| 13 | 525,140 | 3050 | 950 | 4010 | 74 | 20 | AUG. 13 | 2859 | 4801 | 7670 | 9 | 253 | 140 | 1161 | 6328 | 7489 | 1780 | 1270 | 3050 | |
| 14 | 518,970 | 3240 | 940 | 4180 | 76 | 20 | 14 | 2954 | 4666 | 7620 | 9 | 174 | 144 | 960 | 6199 | 7159 | 1800 | 1137 | 2930 | |
| 15 | 511,900 | 3310 | 910 | 4220 | 81 | 20 | 15 | 3139 | 4511 | 7650 | 8 | -115 | 153 | 1010 | 6107 | 7117 | 1860 | 1281 | 3190 | |
| 16 | 505,830 | 2950 | 890 | 3840 | 83 | 20 | 16 | 3207 | 4554 | 7761 | 8 | -173 | 157 | 1132 | 6179 | 7311 | 1720 | 1297 | 3050 | |
| 17 | 499,160 | 3170 | 850 | 4020 | 74 | 20 | 17 | 2856 | 4533 | 7389 | 8 | -63 | 139 | 1124 | 6256 | 7290 | 1700 | 1302 | 3050 | |
| 18 | 492,700 | 3280 | 820 | 4100 | 79 | 20 | 18 | 3071 | 4367 | 7438 | 9 | -85 | 150 | 1114 | 6151 | 7265 | 1700 | 1302 | 3050 | |
| 19 | 486,010 | 3350 | 790 | 4140 | 82 | 20 | 19 | 3178 | 4261 | 7439 | 9 | -131 | 155 | 1145 | 6126 | 7271 | 1731 | 1299 | 2830 | |
| 20 | 479,120 | 3500 | 760 | 4260 | 84 | 10 | 20 | 3256 | 4133 | 7389 | 9 | -18 | 159 | 1193 | 6068 | 7281 | 1731 | 1299 | 2830 | |
| 21 | 472,470 | 3580 | 740 | 4320 | 87 | 10 | 21 | 3403 | 4086 | 7499 | 8 | -34 | 166 | 1171 | 6117 | 7289 | 1800 | 1281 | 2930 | |
| 22 | 465,140 | 3710 | 710 | 4420 | 90 | 10 | 22 | 3480 | 4019 | 7499 | 7 | -228 | 170 | 1076 | 6133 | 7209 | 1800 | 1281 | 2930 | |
| 23 | 457,600 | 3330 | 1100 | 4430 | 93 | 10 | 23 | 3607 | 4013 | 7620 | 8 | -234 | 176 | 1073 | 6172 | 7245 | 2015 | 845 | 2880 | |
| 24 | 451,000 | 3320 | 1110 | 4430 | 83 | 10 | 24 | 3237 | 4735 | 7972 | 8 | -303 | 158 | 1129 | 5991 | 7110 | 2132 | 798 | 2880 | |
| 25 | 444,810 | 3329 | 921 | 4250 | 83 | 10 | 25 | 3227 | 4715 | 7942 | 9 | -228 | 157 | 954 | 6068 | 7022 | 1987 | 2073 | 2970 | |
| 26 | 437,810 | 3212 | 828 | 4040 | 80 | 10 | 26 | 3236 | 4495 | 7731 | 9 | -199 | 158 | 807 | 5930 | 6757 | 2081 | 1889 | 2990 | |
| 27 | 431,500 | 3130 | 780 | 3910 | 80 | 10 | 27 | 3122 | 4297 | 7419 | 8 | 16 | 153 | 777 | 5929 | 6706 | 2214 | 1374 | 2990 | |
| 28 | 424,960 | 3150 | 730 | 3880 | 78 | 10 | 28 | 3042 | 4236 | 7278 | 7 | -68 | 149 | 730 | 5823 | 6573 | 2082 | 1338 | 2450 | |
| 29 | 418,640 | 3150 | 670 | 3820 | 79 | 10 | 29 | 3061 | 4126 | 7187 | 6 | -68 | 149 | 737 | 5895 | 6632 | 2113 | 787 | 2300 | |
| 30 | 413,020 | 3160 | 660 | 3820 | 79 | 10 | 30 | 3061 | 4046 | 7107 | 8 | -157 | 149 | 768 | 5895 | 6763 | 1986 | 636 | 2630 | |
| 31 | 406,320 | 3350 | 600 | 3950 | 84 | 5 | 31 | 3071 | 3956 | 7027 | 9 | -143 | 150 | 908 | 5997 | 6905 | 1875 | 491 | 2370 | |
| SEPT. 1 | 399,830 | 3970 | 550 | 4520 | 99 | 0 | SEPT. 1 | 3261 | 3736 | 6997 | 9 | -444 | 159 | 1061 | 6029 | 7090 | 2 | 1606 | 594 | 2370 |
| 2 | 392,010 | 4770 | 500 | 5270 | 119 | | 2 | 3871 | 3377 | 7248 | 9 | -332 | 189 | 1344 | 5772 | 7116 | 3 | 2015 | 325 | 2370 |
| 3 | 382,490 | 5160 | 1000 | 6160 | 129 | | 3 | 4651 | 3200 | 7851 | 9 | -291 | 228 | 1786 | 5127 | 6913 | 4 | 2385 | 505 | 2880 |
| 4 | 370,970 | 5100 | 1200 | 6300 | 128 | | 4 | 5031 | 3878 | 8909 | 9 | -248 | 246 | 1851 | 5193 | 7044 | 5 | 2895 | 1036 | 3730 |
| 5 | 361,320 | 4834 | 786 | 5620 | 121 | | 5 | 4972 | 4329 | 9301 | 9 | -195 | 243 | 1983 | 5242 | 7225 | 6 | 2380 | 1460 | 4080 |
| 6 | 352,550 | 4890 | 700 | 5590 | 122 | | 6 | 4713 | 3975 | 8688 | 9 | -253 | 230 | 2041 | 5462 | 7503 | 7 | 2198 | 1352 | 3590 |
| 7 | 342,740 | 4930 | 690 | 5620 | 123 | | 7 | 4768 | 3759 | 8527 | 9 | -245 | 233 | 1798 | 5952 | 7350 | 8 | 2301 | 919 | 3480 |
| 8 | 332,980 | 4760 | 680 | 5440 | 119 | | 8 | 4807 | 3720 | 8527 | 8 | -87 | 235 | 1780 | 5499 | 7279 | 9 | 2713 | 787 | 3600 |
| 9 | 324,330 | 4735 | 675 | 5410 | 119 | | 9 | 4641 | 3675 | 8316 | 8 | -65 | 226 | 1877 | 5453 | 7330 | 0 | 2481 | 1018 | 3500 |
| 10 | 314,240 | 4735 | 675 | 5410 | 119 | | 10 | 4616 | 3699 | 8315 | 8 | -52 | 226 | 1781 | 5445 | 7226 | 11 | 2548 | 1215 | 3740 |
| 11 | 307,590 | 3010 | 1480 | 4490 | 84 | | 11 | 3266 | 5171 | 8437 | 8 | -137 | 159 | 1481 | 5638 | 7119 | 12 | 1497 | 2803 | 4300 |
| 12 | 301,630 | 2030 | 1220 | 3250 | 51 | | 12 | 2935 | 5129 | 8064 | 9 | -153 | 143 | 679 | 6127 | 6806 | 13 | 1989 | 1981 | 3970 |
| 13 | 297,600 | 1708 | 702 | 2410 | 43 | | 13 | 1979 | 5272 | 7251 | 9 | -14 | 97 | 570 | 6018 | 6588 | 14 | 1307 | 2403 | 3710 |
| 14 | 293,360 | 1670 | 640 | 2310 | 42 | | 14 | 1665 | 4248 | 5913 | 9 | 9 | 81 | 447 | 5605 | 6052 | 15 | 1155 | 1915 | 3060 |
| 15 | 290,600 | 1010 | 630 | 1640 | 25 | | 15 | 1628 | 4436 | 6064 | 9 | 9 | 79 | 343 | 5602 | 5945 | 16 | 1224 | 1846 | 3070 |
| 16 | 289,960 | 707 | 503 | 1210 | 18 | | 16 | 985 | 4295 | 5280 | 9 | -43 | 48 | 230 | 5361 | 5591 | 17 | 673 | 2227 | 2910 |
| 17 | 287,630 | 263 | 460 | 723 | 7 | | 17 | 689 | 4131 | 4820 | 9 | -10 | 34 | 185 | 4828 | 5013 | 18 | 489 | 2181 | 2810 |
| 18 | 287,420 | -168 | 460 | 292 | -4 | | 18 | 256 | 4194 | 4450 | 9 | -97 | 12 | 171 | 4532 | 4703 | 19 | -15 | 2395 | 2510 |
| 19 | 287,630 | -407 | 450 | 43 | -10 | | 19 | -164 | 4214 | 4050 | 9 | -195 | -8 | 188 | 4169 | 4357 | 20 | -530 | 3050 | 2510 |
| 20 | 288,060 | -424 | 440 | 16 | -11 | | 20 | -397 | 4127 | 3730 | 9 | 792 | -19 | 214 | 3940 | 4154 | 21 | 209 | 2491 | 2710 |
| 21 | 288,690 | -426 | 430 | 4 | -11 | | 21 | -413 | 3853 | 3440 | 9 | 673 | -20 | 215 | 3957 | 4172 | 22 | 74 | 2066 | 2710 |
| 22 | 289,540 | 548 | 420 | 968 | 14 | | 22 | -415 | 3735 | 3320 | 0 | -18 | -20 | 209 | 3831 | 4040 | 23 | -622 | 2272 | 1710 |
| 23 | 287,420 | 1510 | 420 | 1930 | 38 | | 23 | 534 | 2736 | 3270 | | -120 | 28 | 185 | 3807 | 3992 | 24 | 203 | 1497 | 1710 |
| 24 | 284,030 | 1770 | 410 | 2180 | 44 | | 24 | 1472 | 2938 | 4410 | | 126 | 72 | 319 | 4309 | 4628 | 25 | 1207 | 673 | 1910 |
| 25 | 280,470 | 1420 | 400 | 1820 | 35 | | 25 | 1726 | 3264 | 4990 | | -225 | 84 | 371 | 4474 | 4845 | 26 | 1048 | 1374 | 1910 |
| 26 | 278,590 | 1170 | 400 | 1570 | 29 | | 26 | 1385 | 3725 | 5110 | | -298 | 68 | 331 | 4521 | 4852 | 27 | 688 | 1852 | 1910 |
| 27 | 276,070 | 1270 | 400 | 1670 | 32 | | 27 | 1141 | 3449 | 4590 | | -295 | 56 | 237 | 4370 | 4667 | 28 | 493 | 1847 | 1910 |
| 28 | 273,770 | 1020 | 400 | 1420 | 26 | | 28 | 1238 | 3372 | 4610 | | -286 | 60 | 307 | 4385 | 4632 | 29 | 585 | 1875 | 1910 |
| 29 | 272,510 | | | | | | 29 | 894 | 3686 | 4660 | | -191 | 48 | 257 | 4224 | 4481 | 30 | 498 | 2462 | 1910 |
| | | | | | | | 30 | | | 4340 | | -153 | | 0 | 4183 | 4183 | | | | |
| TOTAL | | 291,045 | | | 7,280 | 795 | | 282,970 | | | 723 | -7,663 | 13,809 | 118,111 | | | 144,263 | | | |

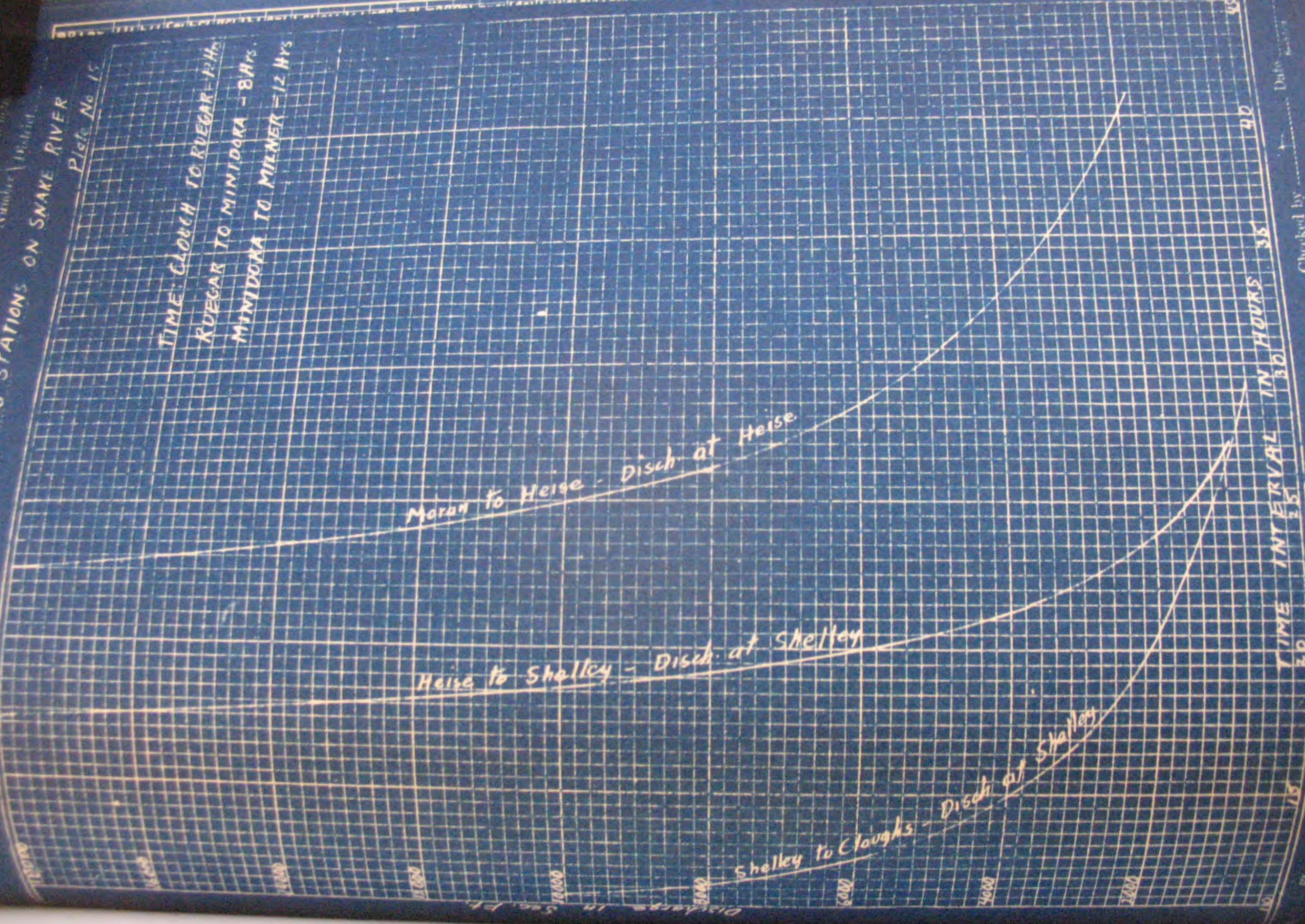
| 25 | 26 | 27 | 28 | 29 | 30 | NO. | TOTAL | | JACKSON LAKE EQUIVALENT ACRE-FEET | JACKSON LAKE RIGHT ACRE-FEET | AMERICAN FALLS RIGHT | | OTHER RIGHTS ACRE-FEET | RENTALS AND EXCHANGES ACRE-FEET | TOTAL RIGHTS ACRE-FEET |
|-------------|-----|-----|-----|-----|----|-----|-------------|-----------|-----------------------------------|------------------------------|----------------------|------------------|------------------------|---------------------------------|------------------------|
| | | | | | | | SECOND-FEET | ACRE-FEET | | | OWNED ACRE-FEET | LEASED ACRE-FEET | | | |
| | | | | | | 1 | 795 | 1,576 | 1,700 | | | | ① 1,700 | 1,700 | |
| | | | | | | 2 | 1,142 | 2,265 | 2,442 | | | | ② 100 | 2,443 | |
| | | | | | | 3 | 13,262 | 26,305 | 28,365 | 1,200 | 793 | 350 | ③ 8,520 | 29,239 | |
| | | | | | | 4 | 803 | 1,593 | 1,718 | | 14,609 | 6,110 | ④ 320 | 2,320 | |
| | | | | | | 5 | 6,259 | 12,415 | 13,389 | 2,000 | 10,509 | 4,800 | ⑤ -8,020 | 13,389 | |
| | | | | | | 6 | 126 | 250 | 270 | 6,100 | | | ⑥ 270 | 270 | |
| | | | | | | 7 | 98 | 194 | 209 | | | | ⑦ 300 | 300 | |
| | | | | | | 8 | 16 | 32 | 34 | | | | ⑧ 35 | 35 | |
| | | | | | | 9 | 7,680 | 15,230 | 16,420 | 5,000 | 11,994 | 6,084 | ⑨ 520 | 23,598 | |
| | | | | | | 10 | 5,038 | 9,993 | 10,775 | 2,000 | 2,000 | 3,735 | ⑩ 3,040 | 10,775 | |
| | | | | | | 11 | 10,196 | 20,224 | 21,807 | 5,120 | 7,496 | 10,300 | ⑪ 40 | 22,956 | |
| | | | | | | 12 | 38 | 75 | 81 | 1,040 | | | ⑫ 2,090 | 1,040 | |
| 25 | 0 | | | | | 13 | 2,712 | 5,379 | 5,810 | 4,000 | | | ⑬ 6,090 | 6,090 | |
| 63 | 59 | 81 | 89 | 0 | | 14 | 3,779 | 7,495 | 8,082 | 3,000 | 4,504 | 2,200 | ⑭ 9,704 | 9,704 | |
| | | | | | | 15 | 304 | 603 | 650 | | 3,002 | 1,320 | ⑮ 4,322 | 4,322 | |
| | | | | | | 16 | 47 | 93 | 100 | | | | ⑯ 220 | 220 | |
| | | | | | | 17 | 111 | 220 | 237 | | | | ⑰ 238 | 238 | |
| | | | | | | 18 | 342 | 678 | 731 | | | | ⑱ 1,220 | 1,220 | |
| 0 | | | | | | 19 | 400 | 793 | 855 | | 1,034 | 432 | ⑳ 1,466 | 1,466 | |
| | | | | | | 20 | 323 | 640 | 690 | | | | ㉑ 690 | 690 | |
| | | | | | | 21 | 243 | 482 | 520 | | | | ㉒ 520 | 520 | |
| | | | | | | 22 | 44 | 88 | 95 | | | | ㉓ 95 | 95 | |
| | | | | | | 23 | 2,171 | ⑫ 4,306 | ⑬ 4,643 | | 3,002 | 11,156 | ⑭ 129 | 14,287 | |
| 89 | 89 | 89 | 89 | 0 | | 24 | 7,333 | 14,544 | 15,682 | | 15,852 | 8,600 | ⑮ 200 | 24,452 | |
| | | | | | | 25 | 155 | 307 | 331 | | 225 | 105 | ⑯ 530 | 530 | |
| | | | | | | 26 | 48 | 95 | 103 | | 79 | 32 | ⑰ 111 | 111 | |
| | | | | | | 27 | 751 | 1,490 | 1,607 | 355 | | | ⑱ 1,450 | 3,239 | |
| | | | | | | 28 | 8,790 | 17,435 | 18,800 | | 26,986 | 9,910 | ㉑ 36,896 | 36,896 | |
| | | | | | | 29 | 2,234 | 4,431 | 4,780 | 1,500 | 2,250 | 1,260 | ㉒ 5,010 | 5,010 | |
| | | | | | | 30 | 15,713 | 31,166 | 33,606 | 5,000 | 28,528 | 14,000 | ㉓ 2,075 | 49,603 | |
| | | | | | | 31 | 21 | 42 | 45 | | | | ㉔ 45 | 45 | |
| 68 | 62 | 57 | 57 | 0 | | 32 | 3,795 | 7,527 | 8,116 | | 9,000 | 740 | ㉕ 9,740 | 9,740 | |
| 85 | 87 | 80 | 22 | 0 | | 33 | 24,137 | 47,875 | 51,625 | 15,000 | 27,643 | 13,000 | ㉖ 55,643 | 55,643 | |
| 331 | 297 | 307 | 257 | 0 | | 34 | 118,111 | 234,265 | 252,618 | 51,315 | 169,506 | 94,134 | 1,434 | 14,097 | 330,486 |
| 0 | 22 | 0 | | | | 35 | 51 | 102 | 110 | | | | ㉗ 110 | 110 | |
| | | | | | | 36 | 397 | 787 | 849 | | 15,033 | 6,600 | ㉘ 3,000 | 21,633 | 21,633 |
| | | | | | | 37 | 901 | 1,787 | 1,927 | | | | ㉙ 3,000 | 3,000 | 45,229 |
| 211 | 63 | 0 | | | | 38 | 21,149 | 41,949 | 45,229 | 8,000 | 22,519 | 14,710 | ㉚ 45,229 | 151,438 | 151,438 |
| 786 | 833 | 798 | 774 | 0 | | 39 | 66,224 | 131,353 | 141,613 | 42,685 | 41,333 | 67,420 | ㉛ 5,540 | 5,540 | 5,540 |
| | | | | | | 40 | 1,935 | 3,838 | 4,138 | | 4,000 | 1,540 | ㉜ 2,025 | 2,025 | 2,025 |
| | | | | | | 41 | 74 | 148 | 160 | | 1,462 | 563 | ㉝ 65 | 65 | 65 |
| | | | | | | 42 | 30 | 60 | 65 | | | | ㉞ 3,175 | 3,175 | 229,040 |
| 997 | 918 | 798 | 774 | 0 | | 43 | 90,761 | 180,024 | 194,091 | 50,685 | 84,347 | 90,833 | ㉟ 620 | 620 | 620 |
| | | | | | | 44 | 228 | 452 | | | | | ㊱ 620 | 620 | 552,120 |
| 347 | 71 | 126 | 0 | | | 45 | 175,727 | 348,549 | | 325,810 | 50,000 | 45,000 | ㊲ 131,310 | 131,310 | 49,113 |
| 79 | 79 | 79 | 79 | 75 | | 46 | 16,266 | 32,263 | | | 34,113 | 15,000 | ㊳ -7,279 | -7,279 | 241,089 |
| | | | | | | 47 | 59,485 | 117,987 | | 97,183 | 151,185 | | ㊴ 814,296 | 814,296 | 814,296 |
| 080 | 856 | 838 | 818 | 956 | | 48 | 263,466 | 522,577 | | 322,007 | 320,256 | 172,033 | ㊵ 400,000 | 400,000 | 400,000 |
| 990 | 980 | 970 | 650 | 0 | | 49 | 125,890 | 249,699 | | | 400,000 | | ㊶ 45,000 | 45,000 | 45,000 |
| 227 | 227 | 227 | 227 | 227 | | 50 | 17,000 | 33,719 | | | 45,000 | | ㊷ -13,593 | -13,593 | 0 |
| | | | | | | 51 | | | | | | 13,593 | ㊸ -13,593 | -13,593 | 0 |
| GRAND TOTAL | | | | | | | 867,729 | 1,721,111 | | 847,000 | ⑪ 1,254,407 | ⑫ 430,593 | 132,744 | -1,280 | 2,663,464 |

NOTES

- ① 378 A.F. FROM U.S.; 1,322 A.F. FROM T.F. CANAL CO.
- ② 8,020 A.F. FROM ENTERPRISE; 500 A.F. FROM U.S.
- ③ RENTED FROM U.S.
- ④ TO PROGRESSIVE IRR. DIST.
- ⑤ RENTED FROM T.F. CANAL CO.
- ⑥ 2000 A.F. FROM T.F. CANAL CO.; 90 A.F. FROM U.S.
- ⑦ JACKSON, BROWN, CHENEY — 83 A.F. FROM T.F. CANAL CO.;
- QUINN, RADFORD, TERRY — 155 A.F. FROM U.S.
- ⑧ 29 A.F. FROM T.F. CANAL CO.; 100 A.F. FROM U.S.
- ⑨ FROM MARKET LAKE SPRINGS
- ⑩ LAKE WALCOTT CONTENTS ON JUNE 27 — 95,910 A.F. PLUS 35,400 A.F. GAIN NEELEY TO MILNER
- ⑪ SEE PLATES 22 & 23 FOR SNAKE RIVER STORAGE USED ON HENRYS FORK
- ⑫ INCLUDES PUMP DIVERSIONS AT END OF CANAL

BRANCH
 NUMBER DISTRICT
 BETWEEN GAGING STATIONS ON SNAKE RIVER
 Plate No. 15

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



CANAL

JULY 1949

DAILY DISCHARGE IN SECOND- FEET OF HENRY'S FORK CANALS

| CANAL | FALL RIVER CANALS | | | | | | | | | | | | HENRY'S FORK CANALS | | | | | | | | | | | | TETON RIVER CANALS | | | | | | | | | | | |
|----------------------------|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------------|--------|--------|--------|--------|--------|--------|--------|-----|--|--|--|
| | 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 | TOTAL | | | | |
| YELLOWSTONE | 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 | | | | |
| MARYSVILLE | 246 | 251 | 248 | 244 | 251 | 246 | 242 | 235 | 246 | 251 | 235 | 224 | 235 | 224 | 240 | 240 | 244 | 244 | 244 | 240 | 240 | 244 | 242 | 242 | 240 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| TOTAL ABOVE SQUIRREL | 246 | 251 | 248 | 244 | 251 | 246 | 242 | 235 | 246 | 251 | 235 | 224 | 235 | 224 | 240 | 240 | 244 | 244 | 240 | 240 | 244 | 242 | 242 | 240 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| FARMERS OWN | 83 | 88 | 86 | 88 | 90 | 90 | 89 | 89 | 89 | 88 | 87 | 88 | 87 | 88 | 81 | 80 | 81 | 80 | 79 | 79 | 81 | 80 | 80 | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| ENTERPRISE | 135 | 140 | 141 | 145 | 145 | 140 | 139 | 142 | 144 | 146 | 142 | 139 | 148 | 146 | 147 | 146 | 145 | 146 | 147 | 148 | 147 | 148 | 147 | 148 | 150 | 140 | 160 | 152 | 154 | 154 | 150 | 150 | | | | |
| BELL | 1 | 13 | 11 | 11 | 11 | 10 | 12 | 12 | 12 | 12 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | | | |
| FALL RIVER | 338 | 340 | 345 | 343 | 362 | 343 | 331 | 312 | 314 | 314 | 314 | 198 | 191 | 191 | 188 | 188 | 191 | 191 | 191 | 191 | 191 | 191 | 191 | 191 | 184 | 184 | 202 | 200 | 179 | 182 | 175 | 175 | | | | |
| MCBEE | 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 | | | | |
| CHESTER | 86 | 91 | 88 | 79 | 79 | 70 | 62 | 54 | 54 | 54 | 54 | 105 | 100 | 94 | 89 | 85 | 81 | 4 | 4 | 28 | 32 | 18 | 13 | 13 | 13 | 16 | 16 | 16 | 14 | 14 | 13 | 13 | | | | |
| SILKEY | 9 | 26 | 26 | 26 | 23 | 23 | 24 | 17 | 17 | 19 | 19 | 15 | 15 | 12 | 13 | 14 | 14 | 14 | 13 | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | | | | |
| CURR | 36 | 30 | 27 | 26 | 26 | 24 | 28 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 27 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | | | | |
| TOTAL SQUIRREL TO CHESTER | 688 | 728 | 724 | 718 | 736 | 700 | 686 | 650 | 652 | 656 | 592 | 576 | 562 | 565 | 553 | 547 | 473 | 474 | 500 | 516 | 499 | 492 | 466 | 413 | 402 | 447 | 427 | 407 | 409 | 470 | 470 | | | | | |
| DEWEY | 15 | 14 | 14 | 0 | 0 | 1 | 19 | 19 | 19 | 20 | 20 | 20 | 22 | 23 | 23 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 21 | 21 | 21 | 21 | 21 | 0 | 0 | 0 | | | | |
| LAST CHANGE | 76 | 75 | 74 | 76 | 76 | 74 | 72 | 72 | 71 | 70 | 66 | 65 | 65 | 65 | 64 | 63 | 62 | 64 | 64 | 64 | 64 | 64 | 67 | 66 | 66 | 64 | 61 | 60 | 59 | 58 | 2080 | | | | | |
| CROSS CUT | 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 | | | | |
| ST. ANTHONY UNION | 446 | 466 | 458 | 407 | 387 | 392 | 372 | 426 | 427 | 461 | 463 | 460 | 468 | 465 | 468 | 522 | 509 | 495 | 497 | 463 | 480 | 480 | 482 | 499 | 509 | 512 | 509 | 506 | 506 | 509 | 509 | 14553 | | | | |
| FARMERS FRIEND | 117 | 121 | 0 | 72 | 70 | 97 | 90 | 86 | 78 | 84 | 104 | 44 | 48 | 50 | 49 | 75 | 74 | 72 | 84 | 83 | 69 | 102 | 100 | 99 | 80 | 74 | 60 | 71 | 90 | 89 | 2404 | | | | | |
| TWIN GROVES | 135 | 142 | 130 | 116 | 131 | 140 | 138 | 132 | 128 | 114 | 110 | 122 | 120 | 126 | 123 | 124 | 124 | 124 | 131 | 83 | 101 | 103 | 100 | 97 | 95 | 95 | 103 | 93 | 93 | 93 | 3588 | | | | | |
| SALEM UNION | 218 | 192 | 195 | 195 | 138 | 115 | 110 | 108 | 154 | 154 | 148 | 208 | 224 | 214 | 218 | 214 | 205 | 208 | 211 | 263 | 263 | 238 | 139 | 139 | 179 | 172 | 172 | 172 | 0 | 0 | 5361 | | | | | |
| EGIN | 267 | 243 | 243 | 243 | 243 | 204 | 223 | 251 | 265 | 282 | 327 | 267 | 257 | 277 | 287 | 275 | 269 | 249 | 247 | 275 | 276 | 273 | 267 | 295 | 288 | 282 | 291 | 279 | 295 | 295 | 8290 | | | | | |
| ST. ANTHONY UNION FEEDER | 26 | 42 | 36 | 34 | 34 | 33 | 28 | 61 | 43 | 36 | 27 | 30 | 43 | 33 | 35 | 42 | 45 | 50 | 51 | 62 | 70 | 70 | 79 | 79 | 80 | 76 | 74 | 74 | 82 | 82 | 1593 | | | | | |
| INDEPENDENT | 300 | 300 | 300 | 265 | 230 | 185 | 153 | 200 | 254 | 254 | 254 | 177 | 176 | 131 | 196 | 198 | 178 | 195 | 219 | 217 | 220 | 238 | 236 | 236 | 236 | 260 | 260 | 282 | 278 | 258 | 241 | 241 | | | | |
| CONSOLIDATED FARMERS | 188 | 171 | 170 | 211 | 212 | 208 | 203 | 201 | 158 | 177 | 176 | 131 | 196 | 198 | 178 | 195 | 219 | 217 | 220 | 238 | 236 | 236 | 236 | 260 | 260 | 282 | 278 | 258 | 241 | 241 | 8219 | | | | | |
| TOTAL STANTHONY TO REXBURG | 181 | 156 | 149 | 153 | 119 | 630 | 607 | 713 | 720 | 732 | 750 | 728 | 714 | 785 | 792 | 841 | 860 | 813 | 856 | 851 | 855 | 817 | 814 | 813 | 807 | 857 | 840 | 821 | 178 | 802 | 801 | 24,195 | | | | |
| WILFORD | 176 | 177 | 171 | 171 | 124 | 123 | 124 | 119 | 115 | 113 | 111 | 110 | 108 | 103 | 97 | 109 | 105 | 108 | 106 | 105 | 104 | 104 | 103 | 100 | 91 | 88 | 81 | 81 | 79 | 77 | 3493 | | | | | |
| TETON IRRIGATION | 82 | 84 | 84 | 83 | 77 | 76 | 77 | 86 | 84 | 82 | 85 | 82 | 85 | 82 | 93 | 89 | 88 | 86 | 84 | 82 | 88 | 85 | 84 | 10 | 70 | 76 | 83 | 82 | 64 | 107 | 111 | 104 | 104 | | | |
| GOOD LUCK | 29 | 29 | 31 | 33 | 40 | 23 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 21 | 28 | 26 | 24 | 23 | 19 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 15 | 17 | 593 | | | | | |
| PIONEER | 0 | 14 | 16 | 17 | 0 | 3 | 21 | 23 | 18 | 21 | 31 | 31 | 24 | 25 | 23 | 21 | 22 | 21 | 16 | 17 | 18 | 16 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | | | | |
| STEWART | 21 | 20 | 20 | 22 | 36 | 32 | 29 | 13 | 13 | 13 | 13 | 13 | 25 | 24 | 23 | 20 | 21 | 21 | 14 | 14 | 14 | 14 | 14 | 15 | 15 | 16 | 15 | 14 | 14 | 14 | 506 | | | | | |
| PINGOCK-BYINGTON | 21 | 20 | 20 | 22 | 36 | 32 | 29 | 13 | 13 | 13 | 13 | 25 | 24 | 23 | 20 | 21 | 21 | 14 | 14 | 14 | 14 | 14 | 14 | 15 | 15 | 16 | 15 | 14 | 14 | 14 | 584 | | | | | |
| PINGOCK-GARNER | 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 | 327 | | | | |
| GARDNER | 24 | 23 | 20 | 19 | 16 | 21 | 23 | 22 | 20 | 20 | 19 | 18 | 16 | 16 | 15 | 7 | 6 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 489 | | | | |
| TETON ISLAND FEEDER | 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 | 46 | | | | |
| NORTH SALEM | 204 | 311 | 385 | 370 | 416 | 334 | 304 | 291 | 286 | 280 | 280 | 269 | 265 | 269 | 259 | 268 | 296 | 282 | 263 | 208 | 204 | 213 | 221 | 315 | 319 | 323 | 319 | 323 | 319 | 9430 | | | | | | |
| ROXANA | 9 | 5 | 14 | 16 | 10 | 12 | 11 | 11 | 9 | 9 | 9 | 7 | 4 | 11 | 7 | 5 | 10 | 12 | 15 | 19 | 17 | 16 | 14 | 13 | 12 | 13 | 16 | 15 | 13 | 14 | 360 | | | | | |
| ISLAND WARD | 37 | 28 | 31 | 42 | 64 | 15 | 15 | 14 | 14 | 13 | 13 | 11 | 11 | 11 | 0 | 46 | 35 | 27 | 30 | 24 | 26 | 23 | 24 | 15 | 10 | 10 | 9 | 14 | 16 | 14 | 905 | | | | | |
| WOODMANSEE-JOHNSON | 34 | 26 | 29 | 50 | 68 | 64 | 59 | 54 | 50 | 47 | 43 | 33 | 27 | 30 | 24 | 26 | 27 | 24 | 26 | 26 | 23 | 24 | 15 | 10 | 10 | 9 | 14 | 16 | 16 | 15 | 939 | | | | | |
| FAMES-TOMPSON | 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 | 18 | | | | | |
| MCORMICK-ROWE | 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 | | | | |
| CITY OF REXBURG | 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 | 3 | | | | | |
| REXBURG IRRIGATION | 25 | 24 | 24 | 23 | 39 | 32 | 30 | 41 | 36 | 34 | 32 | 25 | 24 | 25 | 23 | 25 | 24 | 21 | 24 | 22 | 25 | 28 | 21 | 14 | 25 | 24 | 27 | 24 | 23 | 22 | 24 | 805 | | | | |
| SAURY-SOMMERS | 217 | 254 | 228 | 215 | 256 | 213 | 211 | 199 | 192 | 191 | 187 | 168 | 169 | 165 | 146 | 142 | 142 | 142 | 147 | 150 | 140 | 138 | 163 | 160 | 188 | 161 | 174 | 172 | 181 | 164 | 194 | 182 | 191 | | | |
| TOTAL TETON RIVER | 3 | 3 | 3 | 3 | 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 | 5653 | | | | |
| 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | 21,595 | | | | |

HENRY'S FORK - DAILY SEGREGATION OF FLOW

24 HOUR SECOND- FEET EXCEPT AS NOTED

| DATE | GRASSY LAKE STORAGE RELEASE (A) | STORAGE DIVERSIONS ASHTON TO ST. ANTHONY (B) | HENRY'S FORK AT ST. ANTHONY | | | STORAGE DIVERSIONS ST. ANTHONY TO REBURG | | DATE | HENRY'S FORK NEAR REBURG | | |
|----------|---------------------------------|--|-----------------------------|--------|-------|--|-------------|------|--------------------------|--------|-------|
| | | | STORED | NORMAL | TOTAL | HENRY'S FORK | YETON RIVER | | STORED | NORMAL | TOTAL |
| 7/1 | | 188 | -108 | 808 | 808 | | | | | | |
| 7/2 | | 186 | -181 | 1029 | 1215 | | | | | | |
| 7/3 | | 186 | -130 | 1080 | 1250 | | | | | | |
| 7/4 | | 181 | -129 | 981 | 1152 | | | | | | |
| 7/5 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/6 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/7 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/8 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/9 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/10 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/11 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/12 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/13 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/14 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/15 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/16 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/17 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/18 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/19 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/20 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/21 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/22 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/23 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/24 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/25 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/26 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/27 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/28 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/29 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/30 | | 180 | -89 | 980 | 1091 | | | | | | |
| 7/31 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 1 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 2 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 3 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 4 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 5 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 6 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 7 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 8 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 9 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 10 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 11 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 12 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 13 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 14 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 15 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 16 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 17 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 18 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 19 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 20 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 21 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 22 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 23 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 24 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 25 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 26 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 27 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 28 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 29 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 30 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. 31 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 1 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 2 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 3 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 4 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 5 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 6 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 7 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 8 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 9 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 10 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 11 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 12 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 13 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 14 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 15 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 16 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 17 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 18 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 19 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 20 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 21 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 22 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 23 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 24 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 25 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 26 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 27 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 28 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 29 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 30 | | 180 | -89 | 980 | 1091 | | | | | | |
| SEPT. 31 | | 180 | -89 | 980 | 1091 | | | | | | |
| AUG. | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | |

| DATE | HENRY'S LAKE CONTENTS ACRE- FEET | HENRY'S FORK NEAR LAKE | | | STORAGE DIVERSIONS LAKE TO ST. ANTHONY | TOTAL | HENRY'S FORK |
|----------|----------------------------------|------------------------|--------|-------|--|-------|--------------|
| | | STORED | NORMAL | TOTAL | | | |
| AUG. 30 | | 128 | 88 | 216 | | 128 | 88 |
| AUG. 31 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 1 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 2 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 3 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 4 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 5 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 6 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 7 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 8 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 9 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 10 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 11 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 12 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 13 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 14 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 15 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 16 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 17 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 18 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 19 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 20 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 21 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 22 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 23 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 24 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 25 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 26 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 27 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 28 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 29 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 30 | | 128 | 88 | 216 | | 128 | 88 |
| SEPT. 31 | | 128 | 88 | 216 | | 128 | 88 |
| TOTAL | | 11,768 | | | | | 17,168 |

(A) LISTED HERE ONLY
 (B) INCLUDES STORAGE

SEPTEMBER

| | | 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 | NO. | TOTAL | | RESERVOIR RIGHTS IN | | | | | |
|-----|-----|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------|---------------|--------------------|----------------------|----------------|---------------------|-------|--------|--------|--|--------|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SECOND- FEET | AIRE- FEET | FREMONT REGULAR | MADISON SUPPLEMNT | HENRYS LAKE | AMERICAN OWNED | LE | | | | |
| 3 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 449 | 890 | 310 | | | | | | |
| 15 | 13 | 143 | | 0 | 0 | 12 | 12 | 12 | 14 | 13 | 13 | 0 | 0 | 0 | 0 | 15 | 15 | 14 | 14 | 14 | 14 | 0 | | | | | | | | | | | 2 | 89 | 177 | 30 | | | | | | |
| 16 | 16 | 110 | | 10 | 10 | 10 | 10 | 11 | 10 | 10 | 10 | 10 | 10 | 0 | | | | | | | | | | | | | | | | | | | 3 | 106 | 210 | 100 | 15 | | | | | |
| 240 | 240 | 2311 | | 112 | 112 | 99 | 88 | 90 | 89 | 81 | 81 | 79 | 76 | 76 | 77 | 60 | 59 | 59 | 0 | | | | | | | | | | | | | | | 4 | 847 | 1,680 | 1,856 | | | | | |
| 76 | 76 | 729 | | 29 | 29 | 29 | 28 | 24 | 24 | 22 | 22 | 22 | 22 | 19 | 14 | 14 | 14 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 17 | 17 | 17 | 17 | 17 | 17 | 0 | 5 | 702 | 1,392 | 1,594 | 239 | | | | |
| 150 | 150 | 1447 | | 149 | 148 | 147 | 149 | 149 | 149 | 96 | 96 | 101 | 104 | 104 | 112 | 108 | 96 | 92 | 78 | 75 | 70 | 68 | 66 | 63 | 61 | 63 | 64 | 65 | 67 | 67 | 67 | 67 | 0 | 6 | 9,400 | 18,644 | 19,517 | 2,927 | | | | |
| 3 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 3,330 | 6,605 | 8,385 | | | | | |
| 12 | 12 | 25 | | 5 | 5 | 5 | 5 | 17 | 0 | 0 | 0 | 0 | 9 | 5 | 7 | 5 | 5 | 5 | 4 | 9 | 19 | 48 | 49 | 54 | 61 | 59 | 49 | 29 | 22 | 22 | 22 | 22 | 0 | 8 | 11,687 | 23,181 | 10,134 | 1,520 | | | | 12,000 |
| 0 | 0 | 13 | | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 10 | 8 | 0 | | | | | | | | | | | | | | | 9 | 57 | 114 | 50 | 7 | | | | |
| 59 | 58 | 562 | | 42 | 43 | 44 | 45 | 45 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 41 | 40 | 38 | 39 | 41 | 42 | 40 | 35 | 33 | 32 | 31 | 30 | 29 | 29 | 29 | 29 | 0 | 10 | 0 | 0 | 60 | | | | | |
| 0 | 89 | 542 | | 43 | 20 | 20 | 16 | 16 | 25 | 18 | 16 | 13 | 5 | 13 | 18 | 13 | 11 | 18 | 13 | 15 | 20 | 30 | 20 | 10 | 5 | 6 | 8 | 10 | 12 | 12 | 13 | 13 | 0 | 11 | 330 | 655 | 8,279 | | | | | |
| 93 | 93 | 664 | | 53 | 51 | 50 | 49 | 68 | 83 | 59 | 60 | 68 | 66 | 28 | 0 | | | | | | | | | | | | | | | | | | | 12 | 1,117 | 2,215 | 1,277 | 197 | | | | |
| 0 | 0 | 1712 | | 111 | 111 | 140 | 140 | 197 | 170 | 143 | 120 | 104 | 100 | 100 | 0 | | | | | | | | | | | | | | | | | | | 13 | 0 | 0 | 504 | | | | | |
| 3 | 3 | 2 | | 2 | 2 | 0 | | | | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 0 | | | | | | | | | | | | | | | | | 14 | 0 | 0 | 60 | | | | | |
| 60 | 756 | 9190 | | 569 | 544 | 570 | 556 | 643 | 622 | 500 | 476 | 457 | 452 | 405 | 288 | 275 | 251 | 248 | 159 | 164 | 176 | 200 | 187 | 174 | 172 | 172 | 287 | 223 | 220 | 220 | 221 | 221 | 0 | 15 | 945 | 1,875 | 619 | 93 | 1,077 | | | |
| 41 | 241 | 298 | | 193 | 193 | 176 | 176 | 176 | 174 | 174 | 174 | 174 | 174 | 156 | 156 | 156 | 123 | 95 | 95 | 100 | 100 | 100 | 110 | 120 | 131 | 131 | 131 | 131 | 131 | 131 | 131 | 131 | 0 | 16 | 3,669 | 7,277 | 1,774 | | 10,450 | | | |
| 04 | 103 | | | 0 | 44 | 49 | 49 | 49 | 22 | 22 | 22 | 22 | 22 | 22 | 0 | | | | | | | | | | | | | | | | | | | 17 | 394 | 781 | 3,487 | | 5,123 | | | |
| 95 | 344 | 398 | | 193 | 193 | 237 | 225 | 225 | 225 | 196 | 196 | 196 | 196 | 178 | 156 | 156 | 123 | 95 | 95 | 100 | 100 | 100 | 110 | 120 | 131 | 131 | 131 | 131 | 131 | 131 | 131 | 131 | 0 | 18 | 3,416 | 6,775 | 5,875 | 881 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 | 3,476 | 6,895 | 6,149 | 922 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | 7,344 | 14,566 | 7,819 | | 18,233 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 | 49 | 97 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | 38 | 75 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 46,996 | 93,214 | 77,590 | 6,801 | 34,883 | 12,000 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 24 | 0 | 0 | 2,373 | | 5,123 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 13,916 | 27,602 | 9,058 | | 20,192 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 26 | 3,250 | 6,446 | 4,957 | | 15,144 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 27 | 17,166 | 34,048 | 16,388 | | 40,459 | | | |

① 500 A.F. FROM F.M. DIST.; 20 A.F. FROM TWIN FALLS CANAL CO.; 60 A.F. FROM U.S.
 ② NYBORG ALLOTMENT
 ③ RENTED FROM F.M. DIST.
 ④ 60 A.F. RENTED BY POTTER; TRANSFERRED 900 A.F. TO CHESTER, 88 A.F. TO DEWEY & 200 A.F. TO FARMERSFRIEND
 ⑤ FROM FALL RIVER CANAL

⑥ 88 A.F. FROM FALL RIVER CANAL; 90 A.F.
 ⑦ TO INDEPENDENT
 ⑧ RENTED 1,350 A.F. FROM F.M. DIST.; TRANSF
 ⑨ TRANSFERRED TO HUMMEL PUMP
 ⑩ FROM MARYSVILLE
 ⑪ TRANSFERRED FROM ST. ANTHONY UNION

| SEPTEMBER | | | | | | | | | | | | | | | NO. | TOTAL | | RESERVOIR RIGHTS IN ACRE - FEET | | | | | RENTALS & EXCHANGE | TOTAL RIGHT | HEADGATE EQUIVALENT | | | | | | | | |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|----|---------------------------------|-----------|-----------------|-------------------|--------------|--------------------|-------------|---------------------|----------------|--------------|---------|-------|--|--------|--------|--------|
| 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | | 29 | 30 | SECOND-FEET | ACRE-FEET | FREMONT REGULAR | MADISON SUPPLEMNT | HENRY'S LAKE | | | | AMERICAN OWNED | FALLS LEASED | | | | | | |
| | | | | | | | | | | | | | | | | | 1 | 449 | 890 | 310 | | | | | | ① 580 | 890 | 890 | | | | | |
| | | | | | | | | | | | | | | | | | 2 | 89 | 177 | ② 30 | | | | | | ③ 163 | 183 | 178 | | | | | |
| | | | | | | | | | | | | | | | | | 3 | 106 | 210 | 100 | 15 | | | | | ③ 100 | 215 | 210 | | | | | |
| 15 | 14 | 14 | 14 | 14 | 0 | | | | | | | | | | | | 4 | 847 | 1,680 | 1,856 | | | | | | | 1,856 | 1,810 | | | | | |
| | | | | | | | | | | | | | | | | | 5 | 702 | 1,392 | 1,594 | 239 | | | | | | 1,833 | 1,787 | | | | | |
| 59 | 59 | 0 | | | | | | | | | | | | | | | 6 | 9,400 | 18,644 | 18,517 | 2,927 | | | | | ④ -150 | 22,294 | 21,739 | | | | | |
| 14 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 17 | 17 | 17 | 17 | 17 | 17 | 0 | 7 | 3,330 | 6,605 | 8,385 | | | | | | 8,385 | 8,176 | | | | | | |
| 96 | 92 | 78 | 75 | 70 | 68 | 66 | 63 | 61 | 63 | 64 | 65 | 67 | 67 | 67 | 67 | 0 | 8 | 11,687 | 23,181 | 10,134 | 1,520 | | 12,000 | 3,000 | | 26,654 | 25,274 | | | | | | |
| | | | | | | | | | | | | | | | | | 9 | 57 | 114 | 50 | 7 | | | | | ⑤ 60 | 117 | 114 | | | | | |
| | | | | | | | | | | | | | | | | | 10 | 0 | 0 | 80 | | | | | | | 80 | 78 | | | | | |
| | | | | | | | | | | | | | | | | | 11 | 330 | 655 | 8,279 | | | | | | ⑥ -1,128 | 7,151 | 6,973 | | | | | |
| 5 | 5 | 4 | 3 | 19 | 48 | 49 | 54 | 61 | 59 | 49 | 29 | 22 | 22 | 22 | 22 | 0 | 12 | 1,117 | 2,215 | 1,277 | 197 | | | | | ⑤ 900 | 2,374 | 2,315 | | | | | |
| | | | | | | | | | | | | | | | | | 13 | 0 | 0 | 504 | | | | | | | 504 | 491 | | | | | |
| | | | | | | | | | | | | | | | | | 14 | 0 | 0 | 60 | | | | | | | 60 | 59 | | | | | |
| 10 | 8 | 0 | | | | | | | | | | | | | | | 15 | 945 | 1,875 | 619 | 93 | 1,077 | | | | ⑥ 178 | 1,967 | 1,875 | | | | | |
| 41 | 40 | 38 | 39 | 41 | 42 | 40 | 35 | 33 | 32 | 31 | 30 | 29 | 29 | 29 | 29 | 0 | 16 | 3,669 | 7,277 | 1,774 | | 10,450 | | | | | 12,224 | 11,501 | | | | | |
| | | | | | | | | | | | | | | | | | 17 | 394 | 781 | 3,487 | | 5,123 | | | | ⑦ -2,884 | 5,726 | 5,378 | | | | | |
| 11 | 18 | 13 | 15 | 20 | 30 | 20 | 10 | 5 | 6 | 8 | 10 | 12 | 12 | 13 | 13 | 0 | 18 | 3,416 | 6,775 | 5,876 | 881 | | | | | ⑧ 1,550 | 8,307 | 8,100 | | | | | |
| | | | | | | | | | | | | | | | | | 19 | 0 | 47 | 0 | 922 | | | | | | 7,071 | 6,895 | | | | | |
| | | | | | | | | | | | | | | | | | 20 | 0 | 71 | 72 | 73 | 73 | 73 | 73 | 0 | 20 | 7,344 | 14,566 | 7,819 | | 18,233 | 26,052 | 24,673 |
| 0 | | | | | | | | | | | | | | | | | 21 | 49 | 97 | | | | | | | ⑨ 150 | 150 | 146 | | | | | |
| | | | | | | | | | | | | | | | | | 22 | 38 | 75 | | | | | | | ⑩ 100 | 100 | 97 | | | | | |
| 51 | 248 | 159 | 164 | 176 | 200 | 187 | 174 | 172 | 172 | 287 | 223 | 220 | 220 | 221 | 221 | 0 | 23 | 46,996 | 93,214 | 77,590 | 6,801 | 34,883 | 12,000 | 3,000 | | - 971 | 133,303 | 127,869 | | | | | |
| | | | | | | | | | | | | | | | | | 24 | 0 | 0 | 2,373 | | 5,123 | | | | | 7,496 | 7,109 | | | | | |
| 23 | 95 | 95 | 100 | 100 | 100 | 110 | 120 | 131 | 131 | 131 | 131 | 131 | 131 | 131 | 131 | 0 | 25 | 13,916 | 27,602 | 9,058 | | 20,192 | | | ⑪ 2,884 | 32,134 | 30,527 | | | | | | |
| | | | | | | | | | | | | | | | | | 26 | 3,250 | 6,446 | 4,957 | | 15,144 | | | | | 20,101 | 19,403 | | | | | |
| 23 | 95 | 95 | 100 | 100 | 100 | 110 | 120 | 131 | 131 | 131 | 131 | 131 | 131 | 131 | 131 | 0 | 27 | 17,166 | 34,048 | 16,388 | | 40,459 | | | 2,884 | 59,731 | 57,039 | | | | | | |

FROM F.M. DIST., 20 A.F. FROM TWIN FALLS CANAL CO.; 60 A.F. FROM U.S. ALLOTMENT FROM F.M. DIST. RENTED BY POTTER, TRANSFERRED 900 A.F. TO CHESTER, 88 A.F. TO DEWEY & 200 A.F. TO FARMERSFRIEND FALL RIVER CANAL

- ⑥ 88 A.F. FROM FALL RIVER CANAL; 90 A.F. FROM TETON ISLAND FEEDER TO INDEPENDENT
- ⑦ RENTED 1,360 A.F. FROM F.M. DIST.; TRANSFERRED 200 A.F. FROM FALL RIVER CANAL
- ⑧ TRANSFERRED TO HUMMEL PUMP
- ⑨ FROM MARYSVILLE
- ⑩ TRANSFERRED FROM ST. ANTHONY UNION

| CANAL | NO. | JUNE | | | | | JULY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|-----|------|----|----|----|----|------|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|--|--|
| | | 29 | 30 | 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 | | |
| TRAIL CREEK IRRIGATION CO. | 1 | 37 | 37 | 61 | 55 | 52 | 52 | 52 | 50 | 49 | 49 | 46 | 36 | 33 | 28 | 23 | 8 | 3 | 46 | 50 | 50 | 61 | 68 | 65 | 70 | 70 | 70 | 69 | 62 | 62 | 60 | 55 | 53 | | | |
| STRING CANAL CO. | 2 | 12 | 12 | 8 | 6 | 11 | 11 | 14 | 14 | 16 | 16 | 30 | 25 | 25 | 27 | 18 | 17 | 10 | 10 | 16 | 13 | 13 | 13 | 12 | 30 | 30 | 30 | 36 | 36 | 36 | 36 | 32 | | | | |
| FOX CREEK | 3 | 22 | 22 | 8 | 8 | 8 | 6 | 6 | 6 | 6 | 0 | | | | | | 0 | 7 | 7 | 19 | 9 | 0 | 0 | 5 | 2 | 2 | 2 | 0 | 36 | 36 | 36 | 36 | 32 | | | |
| DARBY CREEK | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GRAND TETON | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SOUTH LEIGH | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NORTH LEIGH & SPRING CREEK | 7 | 0 | 8 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CACHE & SWAMPS | 8 | | | | | | | | | | | | | | | | | | | 0 | 14 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 12 | | | |
| TOTAL DIVERTED IN TETON BASIN | 9 | 71 | 79 | 77 | 69 | 71 | 69 | 72 | 70 | 71 | 65 | 76 | 61 | 58 | 55 | 41 | 25 | 20 | 63 | 85 | 86 | 89 | 96 | 178 | 169 | 169 | 152 | 135 | 134 | 134 | 127 | 116 | 127 | | | |
| EQUIVALENT AT ST. ANTHONY GAGE (2) | 10 | | 44 | 49 | 48 | 42 | 44 | 43 | 44 | 43 | 44 | 40 | 47 | 38 | 36 | 34 | 25 | 15 | 12 | 39 | 52 | 53 | 55 | 59 | 110 | 104 | 104 | 83 | 82 | 82 | 78 | 71 | | | | |
| CANYON CREEK CANAL | 11 | | | | | | | | | | | | | | | 0 | 24 | 22 | 21 | 20 | 19 | 19 | 19 | 18 | 18 | 16 | 16 | 16 | 16 | 16 | 15 | 1 | | | | |
| STORAGE INFLOW FROM CROSS CUT | 12 | | | | | | | | | | | | | | | | | | | | 0 | 27 | 29 | 91 | 119 | 119 | 119 | 122 | 125 | 165 | 166 | 166 | 167 | 16 | | |
| SIDDOWAY | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WILFORD | 14 | | | | | | | | | | | | | | | | | 0 | 35 | 29 | 41 | 37 | 40 | 38 | 37 | 36 | 36 | 35 | 32 | 23 | 20 | 13 | 13 | | | |
| TETON IRRIGATION | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GOOD LUCK | 16 | | | | | | | | | | | | | | | | | 0 | 16 | 14 | 13 | 9 | 9 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 10 | 7 | | | | |
| PIONEER | 17 | | | | | | | | | | | | | | | | | 0 | 10 | 11 | 10 | 5 | 6 | 7 | 5 | 0 | | | | | | | | | | |
| STEWART | 18 | | | | | | | | | | | | | | | | | 0 | 14 | 11 | 12 | 12 | 12 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 7 | 6 | | | |
| THOMPSON-EAMES | 19 | | | | | | | | | | | | | 0 | 1 | 0 | 0 | 0 | 2 | 2 | 2 | 2 | 2 | 3 | 0 | | | | | | | | | | | |
| GARDNER | 20 | | | | | | | | | | | | | | | | | 0 | 5 | 5 | 0 | | | | | | | | | | | | | | | |
| PINCOCK-BYINGTON | 21 | | | | | | | | | | | | | | | | | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | |
| PINCOCK-GARNER | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TETON ISLAND FEEDER | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ROXANA | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WOODMANSEE-JOHNSON | 25 | | | | | | | | | | | | | | | | | 0 | 46 | 35 | 31 | 31 | 30 | 31 | 18 | 47 | 45 | 50 | 34 | 32 | 40 | 36 | 3 | | | |
| ISLAND WARD | 26 | | | | | | | | | | | | | | | | | | | | | | | 0 | 1 | 0 | | | | | | | | | | |
| CITY OF REXBURG | 27 | | | | | | | | | | | | | | | | | | 0 | 16 | 12 | 12 | 20 | 10 | 8 | 13 | 30 | 58 | 31 | 44 | 42 | 51 | 3 | | | |
| REXBURG IRRIGATION | 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MC CORMICK-ROWE | 29 | | | | | | | | | | | | | | | | | 0 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 0 | | | | | | | | | | |
| TRUPP PUMP | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL BELOW ST. ANTHONY GAGE | 31 | | | | | | | | | | | | | 0 | 1 | 5 | 5 | 118 | 123 | 129 | 119 | 125 | 105 | 91 | 117 | 126 | 158 | 131 | 129 | 132 | 136 | 1 | | | | |
| TOTAL TETON RIVER | 32 | 0 | 44 | 49 | 48 | 42 | 44 | 43 | 44 | 43 | 44 | 40 | 47 | 38 | 37 | 39 | 54 | 155 | 156 | 188 | 190 | 197 | 179 | 168 | 245 | 246 | 278 | 240 | 228 | 230 | 234 | | | | | |

RIVER

1949

SEPTEMBER

PLATE NO. 23

| | | 29 | 30 | 31 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | NO. | TOTAL | | RESERVOIR EQUIVALENT | FREMONT MADISON RIGHTS | | JACKSON LAKE RENTAL | RENTALS AND EXCHANGES | TOTALS RIGHTS IN RESERVOIR | | |
|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------|------------|-----------|----------------------|------------------------|-----------|---------------------|-----------------------|----------------------------|--------|-------|
| | | | | | | | | | | | | | | | | | | | | | | | | | SECOND- FEET | ACRE- FEET | ACRE-FEET | REGULAR ACRE-FEET | SUPPLEMENT ACRE-FEET | ACRE-FEET | ACRE-FEET | ACRE-FEET | | | |
| 0 | 65 | 5 | 5 | 27 | 27 | 27 | 30 | 30 | 28 | 28 | 28 | 26 | 26 | 26 | 0 | | | | | | | | | | 1 | 3,077 | 6,103 | 4,206 | 3,102 | | | | | | |
| 30 | 36 | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1,248 | 2,469 | 1,794 | 1,319 | 465 | | ① | 639 | 4,206 | |
| 2 | 0 | | | | | | | | | | | | | | | | | | | | | | | | 3 | 145 | 288 | 192 | 198 | | | ① | 303 | 1,859 | |
| 3 | 0 | | | | | | | | | | | | | | | | | | | | | | | | 4 | 63 | 125 | 93 | | | | ① | 192 | 192 | |
| 3 | 18 | | | | | | | | | | | | | | | | | | | | | | | | 5 | 255 | 506 | 377 | | | | ① | 93 | 93 | |
| 5 | 0 | | | | | | | | | | | | | | | | | | | | | | | | 6 | 104 | 208 | 153 | 880 | | | | | 880 | |
| 14 | 11 | | | | | | | | | | | | | | | | | | | | | | | | 7 | 332 | 659 | 489 | 857 | | | ① | 29 | 885 | |
| 5 | 5 | | | | | | | | | | | | | | | | | | | | | | | | 8 | 85 | 169 | 125 | 145 | | | ① | 208 | 580 | |
| 52 | 135 | 5 | 5 | 27 | 27 | 27 | 30 | 30 | 28 | 28 | 28 | 26 | 26 | 26 | 0 | | | | | | | | | | 9 | 5,306 | 10,525 | 7,429 | 6,675 | 663 | | | | 145 | |
| 04 | 93 | 3 | 3 | 3 | 17 | 17 | 17 | 18 | 18 | 17 | 17 | 17 | 16 | 16 | 16 | 0 | | | | | | | | | 10 | 3,266 | 6,478 | 7,429 | 6,675 | 663 | | | 1,464 | 6,802 | |
| 6 | 16 | 9 | 0 | | | | | | | | | | | | | | | | | | | | | | 11 | 659 | 1,307 | 1,400 | | | ② | 1,200 | ① | 200 | 1,400 |
| 2 | 125 | | | | | | | | | | | | | | | | | | | | | | | | 12 | 3,456 | 6,874 | | | | | | | | |
| 5 | 32 | | | | | | | | | | | | | | | | | | | | | | | | 13 | 0 | 0 | 0 | 490 | | | | | 490 | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | 14 | 563 | 1,117 | 1,350 | 1,948 | | | | | 1,948 | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 0 | 0 | 0 | 1,464 | | | | | 1,464 | |
| 0 | 0 | 3 | 3 | 3 | 3 | 0 | | | | | | | | | | | | | | | | | | | 16 | 162 | 321 | 388 | 337 | 91 | | | | 388 | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 54 | 107 | 129 | 151 | | | | | 151 | |
| 0 | 0 | 3 | 3 | 3 | 3 | 0 | | | | | | | | | | | | | | | | | | | 18 | 167 | 331 | 399 | 412 | | | | | 412 | |
| 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 19 | 22 | 44 | 53 | 120 | | | | | 120 | |
| 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 20 | 69 | 137 | 165 | 152 | 23 | | | | 175 | |
| 54 | 17 | 16 | 15 | 15 | 28 | 16 | 27 | 27 | 31 | 25 | 27 | 25 | 23 | 27 | 31 | 31 | 32 | 0 | | | | | | | 21 | 73 | 145 | 175 | 270 | | | | | 270 | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 22 | 214 | 424 | 511 | 432 | 65 | | | | 497 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 6 | 12 | 14 | 9,183 | | | ④ | -90 | 9,093 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 24 | 1 | 2 | 2 | 699 | | | | | 699 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 13 | 26 | 31 | 1,390 | | | | | 1,390 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 26 | 1,672 | 3,316 | 4,000 | 3,629 | 544 | | | | 4,173 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 27 | 24 | 48 | 58 | | | | ① | 300 | 300 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 28 | 746 | 1,480 | 1,785 | 2,606 | | | | | 2,606 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 29 | 0 | 0 | 0 | 103 | | | | ① | 103 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 30 | 25 | 50 | 61 | | | | | | 70 | |
| 131 | 20 | 19 | 21 | 21 | 34 | 19 | 30 | 30 | 34 | 27 | 29 | 27 | 29 | 33 | 39 | 34 | 36 | 3 | 3 | 3 | 3 | 3 | 5 | 0 | 31 | 3,811 | 7,580 | 9,121 | 23,386 | 663 | | | 280 | 24,349 | |
| 240 | 32 | 22 | 24 | 38 | 51 | 36 | 48 | 48 | 51 | 44 | 46 | 43 | 45 | 49 | 39 | 34 | 36 | 3 | 3 | 3 | 3 | 3 | 5 | 0 | 32 | 7,736 | 15,345 | 17,950 | 30,061 | 1,346 | 1,200 | 1,944 | | 34,551 | |

① RENTED FROM FREMONT MADISON DISTRICT
 ② LISTED HERE ONE DAY LATER THAN ACTUAL DIVERSION

③ RENTED FROM TWIN FALLS CANAL CO.
 ④ TRANSFERRED TO DEWEY

OPERATION OF CROSS CUT CANAL DURING 1949

PLATE NO. 23A

24 HOUR SECOND-FEET

| LOCATION | JULY | | | | | | | | | | | | | | | | | | | TOTAL | AUGUST | | | | | | | | | | | | |
|---|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|--------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 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 | 10 | 11 |
| DIVERTED AT HEAD | 216 | 216 | 173 | 83 | 180 | 181 | 193 | 245 | 241 | 297 | 313 | 319 | 307 | 330 | 328 | 351 | 372 | 378 | 377 | 378 | 377 | 5,855 | 307 | 270 | 264 | 312 | 287 | 271 | 279 | 278 | 285 | 287 | 275 |
| INFLOW FROM FALL RIVER CANAL | 33 | 33 | 33 | 23 | 16 | 15 | 10 | 9 | 9 | 11 | 16 | 15 | 43 | 14 | 14 | 26 | 18 | 13 | 12 | 12 | 12 | 387 | 31 | 30 | 28 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 |
| TOTAL SUPPLY | | | | | | | | | | 308 | | | | | | | | | | | | | | | | | | | | | | | |
| MIDDLE BRANCH DIVERSION | 137 | 137 | 100 | 0 | 91 | 88 | 95 | 96 | 95 | 91 | 91 | 95 | 95 | 90 | 89 | 94 | 87 | 88 | 86 | 87 | 86 | 1,918 | 94 | 91 | 91 | 91 | 90 | 91 | 91 | 91 | 91 | 91 | 88 |
| NORTH BRANCH DIVERSION | 112 | 112 | 106 | 106 | 105 | 108 | 108 | 108 | 108 | 107 | 107 | 108 | 108 | 108 | 108 | 108 | 107 | 107 | 107 | 107 | 107 | 2,262 | 106 | 107 | 106 | 96 | 96 | 96 | 96 | 95 | 94 | 102 | 99 |
| CROSS CUT BELOW FALL RIVER CANAL DIVERSIONS | | | | | | | | 50 | 47 | 110 | 131 | 131 | 147 | 146 | 145 | 175 | 196 | 196 | 196 | 196 | 196 | 2,062 | 181 | 181 | 181 | 141 | 97 | 100 | 108 | 108 | 112 | 120 | 109 |
| CROSS CUT AT END | | | | | | | | 27 | 29 | 91 | 119 | 119 | 119 | 122 | 125 | 165 | 166 | 166 | 167 | 168 | 166 | 1,749 | 151 | 151 | 159 | 90 | 86 | 89 | 93 | 97 | 101 | 101 | 97 |
| LOSS | | | | | | | | 23 | 18 | 19 | 12 | 12 | 28 | 24 | 20 | 10 | 30 | 30 | 29 | 28 | 30 | 313 | 30 | 31 | 24 | 51 | 11 | 11 | 15 | 11 | 11 | 19 | 12 |

| LOCATION | AUGUST | | | | | | | | | | | | | | | | | | | SEPTEMBER | | | | | | | | | | | |
|---|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|-----------|-------|-----|-----|-----|-----|-----|-----|-----|-----|---|-------|
| | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | TOTAL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | TOTAL |
| DIVERTED AT HEAD | 269 | 269 | 267 | 224 | 223 | 224 | 204 | 153 | 134 | 135 | 138 | 128 | 126 | 52 | 84 | 150 | 133 | 133 | 133 | 140 | 6,674 | 151 | 133 | 108 | 117 | 117 | 116 | 115 | 114 | | 991 |
| INFLOW FROM FALL RIVER CANAL | 16 | 16 | 17 | 17 | 17 | 17 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 22 | 558 | 37 | 57 | 49 | 80 | 80 | 80 | 80 | 82 | 0 | 565 |
| TOTAL SUPPLY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MIDDLE BRANCH DIVERSION | 80 | 79 | 79 | 73 | 73 | 74 | 76 | 72 | 54 | 55 | 58 | 69 | 68 | 72 | 91 | 70 | 64 | 64 | 64 | 66 | 2,386 | 65 | 67 | 74 | 74 | 74 | 73 | 72 | 73 | | 572 |
| NORTH BRANCH DIVERSION | 99 | 99 | 99 | 96 | 95 | 95 | 95 | 101 | 100 | 100 | 100 | 79 | 78 | 0 | 13 | 100 | 89 | 89 | 89 | 96 | 2,804 | 123 | 123 | 123 | 123 | 123 | 123 | 123 | 123 | | 984 |
| CROSS CUT BELOW FALL RIVER CANAL DIVERSIONS | 106 | 107 | 106 | 72 | 72 | 72 | 53 | | | | | | | | | | | | | | 2,042 | | | | | | | | | | |
| CROSS CUT AT END | 94 | 96 | 95 | 67 | 68 | 52 | 13 | 6 | 0 | | | | | | | | | | | | 1,717 | | | | | | | | | | |
| LOSS | 12 | 11 | 11 | 5 | 4 | 20 | 40 | -6 | | | | | | | | | | | | | 325 | | | | | | | | | | |

LOSS IN CROSS CUT CANAL FROM STATION BELOW FALL RIVER CANAL DIVERSIONS TO END = 638 SECOND-FEET = 15.5%

| Day | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 234880 | 259990 | 289120 | 322830 | 351230 | 379610 | 370090 | 416160 | 751250 | 850300 | 619100 | 399830 |
| 2 | 235900 | 261640 | 290180 | 323470 | 351890 | 380050 | 369650 | 419770 | 763220 | 849790 | 609550 | 392010 |
| 3 | 236510 | 262880 | 292510 | 324120 | 352550 | 379170 | 369130 | 422930 | 767950 | 845950 | 600710 | 382490 |
| 4 | 237120 | 264550 | 293570 | 325190 | 353420 | 378060 | 369210 | 427660 | 771180 | 841880 | 592170 | 370970 |
| 5 | 238550 | 265180 | 293990 | 326480 | 354520 | 376950 | 369130 | 432630 | 773440 | 836280 | 582920 | 361320 |
| 6 | 239360 | 265600 | 294630 | 327990 | 355400 | 375620 | 369130 | 437140 | 776700 | 832980 | 573690 | 352550 |
| 7 | 240180 | 267070 | 296120 | 328860 | 356280 | 374520 | 369130 | 441000 | 781720 | 830180 | 564730 | 342740 |
| 8 | 240790 | 267690 | 298870 | 329720 | 357150 | 372960 | 369130 | 446000 | 788740 | 827630 | 556490 | 332980 |
| 9 | 242010 | 268320 | 300570 | 330590 | 358470 | 371860 | 369130 | 453050 | 795760 | 822800 | 548510 | 324330 |
| 10 | 242630 | 269160 | 301630 | 331240 | 360000 | 371190 | 369130 | 462390 | 802580 | 817990 | 542890 | 314240 |
| 11 | 243450 | 270000 | 302900 | 332110 | 362850 | 370090 | 369650 | 472470 | 810660 | 814200 | 537750 | 307590 |
| 12 | 244070 | 270840 | 304390 | 333200 | 364170 | 369430 | 369870 | 483470 | 819000 | 810160 | 531190 | 301630 |
| 13 | 244900 | 271460 | 306730 | 334060 | 365050 | 368560 | 370750 | 495470 | 827120 | 805360 | 525140 | 297600 |
| 14 | 245930 | 272510 | 308450 | 334930 | 365710 | 367680 | 371640 | 510040 | 832980 | 797530 | 518870 | 293360 |
| 15 | 248000 | 272930 | 309950 | 335800 | 366800 | 367680 | 372080 | 524680 | 836790 | 789190 | 511900 | 290600 |
| 16 | 248830 | 274190 | 310380 | 336450 | 368560 | 367680 | 373190 | 540320 | 843920 | 779710 | 505630 | 289960 |
| 17 | 249240 | 276070 | 311020 | 337320 | 369650 | 368340 | 373630 | 557200 | 849530 | 771690 | 499160 | 287630 |
| 18 | 250270 | 276910 | 311670 | 338620 | 370750 | 368120 | 374070 | 573220 | 849280 | 762220 | 492700 | 287420 |
| 19 | 250890 | 277540 | 312530 | 339490 | 371640 | 368340 | 375180 | 589080 | 851070 | 752010 | 486010 | 287630 |
| 20 | 251510 | 278380 | 314460 | 340360 | 372300 | 368340 | 376510 | 602620 | 853120 | 742080 | 479120 | 288060 |
| 21 | 252340 | 279630 | 315320 | 341140 | 372960 | 368560 | 378500 | 611080 | 851580 | 730960 | 472470 | 288690 |
| 22 | 253170 | 280680 | 315960 | 342740 | 373630 | 368560 | 381160 | 628920 | 851330 | 719840 | 465140 | 289540 |
| 23 | 253990 | 281520 | 316600 | 343610 | 374290 | 369000 | 383600 | 641190 | 851580 | 709040 | 457600 | 287420 |
| 24 | 254820 | 282770 | 317460 | 344480 | 374740 | 369000 | 386030 | 651800 | 851330 | 697740 | 451000 | 284030 |
| 25 | 255440 | 284030 | 318110 | 345560 | 375620 | 369210 | 388470 | 661240 | 851330 | 688230 | 444410 | 280470 |
| 26 | 256060 | 284870 | 318540 | 346650 | 376290 | 369650 | 392900 | 671650 | 851840 | 678720 | 437810 | 278590 |
| 27 | 256890 | 286150 | 318970 | 347520 | 377400 | 369870 | 397150 | 682860 | 852350 | 668500 | 431500 | 276070 |
| 28 | 257300 | 287000 | 319390 | 348600 | 377400 | 370090 | 402070 | 698480 | 851330 | 658580 | 424960 | 273770 |
| 29 | 257920 | 288270 | 320250 | 349700 | 378720 | 370090 | 406990 | 714930 | 851330 | 648650 | 418640 | 272510 |
| 30 | 258340 | 288690 | 321110 | 350140 | 379700 | 370090 | 412350 | 729470 | 851580 | 638300 | 413020 | 273140 |
| 31 | 258960 | 289120 | 321750 | 350890 | 379610 | 370090 | 412350 | 742820 | 851580 | 627720 | 406320 | 273140 |

| MEAN | ACRE- | PER- | | | | | | | | | | |
|------|-------|------|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | | |

Year
ON
Period
MAN
ACRE-
PER-

111

MEAN YEAR
 ACRES-FEET 1,068,629
 ACRES-LEAF 2,791,100
 MEAN YEAR 1.476

| | | | | | | | | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-------|---------|---------|-------|-------|---------|---------|-------|
| MEAN | 7.5 | 3.0 | 3.0 | 184 | 184 | 184 | 4.52 | 8.1 | 637 | 426 | 134 | 8.220 | 205,700 | 345,500 | 5,619 | 4,506 | 277,100 | 166,100 | 2,791 |
| FEET | 160 | 179 | 184 | 184 | 184 | 184 | 4.52 | 8.1 | 637 | 426 | 134 | 8.220 | 205,700 | 345,500 | 5,619 | 4,506 | 277,100 | 166,100 | 2,791 |

| 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. | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | |
| Nov. | 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 | 3 | | | |
| Dec. | 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 | 3 | | | |
| Jan. | 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 | 3 | | | |
| Feb. | 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 | | | |
| Mar. | 640 | 972 | 972 | 1000 | 1000 | 1000 | 1000 | 993 | 993 | 993 | 993 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | | |
| Apr. | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | 386 | |
| May | 363 | 363 | 358 | 358 | 354 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | |
| June | 1020 | 1680 | 2120 | 3160 | 3370 | 3520 | 3300 | 3440 | 3500 | 3560 | 3640 | 3720 | 3740 | 2570 | 1200 | 4380 | 4400 | 4780 | 6930 | 3980 | 4240 | 4220 | 4000 | 3180 | 3280 | 3710 | 3290 | 2430 | 2630 | 2630 | 2630 | 2630 | 2630 | |
| July | 6080 | 5890 | 5880 | 5840 | 5650 | 5600 | 5510 | 4500 | 3600 | 3790 | 3950 | 4010 | 4180 | 4220 | 3840 | 4020 | 4100 | 4140 | 4260 | 4320 | 4420 | 4430 | 4430 | 4250 | 4040 | 3910 | 3880 | 3820 | 3820 | 3820 | 3820 | 3820 | 3820 | 3820 |
| Aug. | 4520 | 5270 | 6160 | 6300 | 5620 | 5590 | 5620 | 5440 | 5060 | 4490 | 3250 | 2410 | 2310 | 1640 | 1210 | 723 | 292 | 43 | 16 | 4 | 968 | 1930 | 2180 | 1820 | 1570 | 1670 | 1420 | 624 | 175 | 175 | 175 | 175 | 175 | 175 |

NAME
ADDRESS
CITY

13,380 15,890 10,990 7,608 5,473
822,600 945,500 676,000 467,800 325,600

MEAN
PERIOD
ACUM-PRIN 3,237,500

| Day | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1 | 9000 | 7930 | 15100 | 15100 | 15100 | 15100 | 15100 | 15100 | 15100 | 10500 | 9670 |
| 2 | 9000 | 8710 | 14100 | 14100 | 14100 | 14100 | 14100 | 14100 | 14100 | 10200 | 9310 |
| 3 | 9000 | 9630 | 13700 | 13700 | 13700 | 13700 | 13700 | 13700 | 13700 | 13900 | 9310 |
| 4 | 9000 | 9220 | 14100 | 14100 | 14100 | 14100 | 14100 | 14100 | 14100 | 12900 | 9250 |
| 5 | 9000 | 8460 | 14800 | 14800 | 14800 | 14800 | 14800 | 14800 | 14800 | 11800 | 8950 |
| 6 | 9000 | 8740 | 15300 | 15300 | 15300 | 15300 | 15300 | 15300 | 15300 | 11300 | 8750 |
| 7 | 9000 | 9150 | 16300 | 16300 | 16300 | 16300 | 16300 | 16300 | 16300 | 11000 | 8600 |
| 8 | 9000 | 10000 | 17800 | 17800 | 17800 | 17800 | 17800 | 17800 | 17800 | 11300 | 8430 |
| 9 | 9000 | 11000 | 18700 | 18700 | 18700 | 18700 | 18700 | 18700 | 18700 | 11300 | 8100 |
| 10 | 9000 | 12200 | 17200 | 17200 | 17200 | 17200 | 17200 | 17200 | 17200 | 11300 | 7000 |
| 11 | 11900 | 11900 | 13100 | 13100 | 13100 | 13100 | 13100 | 13100 | 13100 | 11000 | 7120 |
| 12 | 11900 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | 14700 | 10400 | 6960 |
| 13 | 11900 | 15000 | 19200 | 19200 | 19200 | 19200 | 19200 | 19200 | 19200 | 11100 | 6960 |
| 14 | 11900 | 15700 | 17600 | 17600 | 17600 | 17600 | 17600 | 17600 | 17600 | 11700 | 6960 |
| 15 | 11900 | 16200 | 15400 | 15400 | 15400 | 15400 | 15400 | 15400 | 15400 | 11100 | 7090 |
| 16 | 11900 | 18000 | 14800 | 14800 | 14800 | 14800 | 14800 | 14800 | 14800 | 11300 | 6990 |
| 17 | 11900 | 18700 | 17000 | 17000 | 17000 | 17000 | 17000 | 17000 | 17000 | 11400 | 6900 |
| 18 | 11900 | 18000 | 17300 | 17300 | 17300 | 17300 | 17300 | 17300 | 17300 | 11300 | 6960 |
| 19 | 11900 | 17200 | 18400 | 18400 | 18400 | 18400 | 18400 | 18400 | 18400 | 11300 | 7000 |
| 20 | 16000 | 16000 | 19400 | 19400 | 19400 | 19400 | 19400 | 19400 | 19400 | 11200 | 7050 |
| 21 | 16000 | 15000 | 16600 | 16600 | 16600 | 16600 | 16600 | 16600 | 16600 | 11300 | 7230 |
| 22 | 16000 | 14400 | 15700 | 15700 | 15700 | 15700 | 15700 | 15700 | 15700 | 11100 | 7260 |
| 23 | 16000 | 13700 | 14800 | 14800 | 14800 | 14800 | 14800 | 14800 | 14800 | 10900 | 7180 |
| 24 | 16000 | 13200 | 13400 | 13400 | 13400 | 13400 | 13400 | 13400 | 13400 | 10600 | 7090 |
| 25 | 16000 | 13100 | 13000 | 13000 | 13000 | 13000 | 13000 | 13000 | 13000 | 10100 | 7090 |
| 26 | 16000 | 14300 | 13500 | 13500 | 13500 | 13500 | 13500 | 13500 | 13500 | 10100 | 6860 |
| 27 | 16000 | 15500 | 13000 | 13000 | 13000 | 13000 | 13000 | 13000 | 13000 | 10300 | 6670 |
| 28 | 16000 | 16500 | 12100 | 12100 | 12100 | 12100 | 12100 | 12100 | 12100 | 10000 | 6550 |
| 29 | 16000 | 16700 | 11100 | 11100 | 11100 | 11100 | 11100 | 11100 | 11100 | 9860 | 6530 |
| 30 | 16000 | 16700 | 11100 | 11100 | 11100 | 11100 | 11100 | 11100 | 11100 | 9860 | 6530 |
| 31 | 16000 | 16700 | 11100 | 11100 | 11100 | 11100 | 11100 | 11100 | 11100 | 9860 | 6530 |

| Day | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. |
|-----|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| 1 | 3060 | 2830 | 2610 | 2350 | 2050 | 2290 | 2810 | 10100 | 17100 | 11100 | 10200 | 6990 |
| 2 | 3050 | 2970 | 2560 | 2300 | 2070 | 2100 | 2830 | 8990 | 16500 | 11700 | 10100 | 7210 |
| 3 | 3050 | 3140 | 2680 | 2250 | 2100 | 2100 | 2870 | 9280 | 15200 | 11900 | 9910 | 7810 |
| 4 | 3030 | 3190 | 2730 | 2200 | 2100 | 2100 | 2960 | 10500 | 14500 | 11600 | 9690 | 8890 |
| 5 | 3120 | 3060 | 2710 | 2150 | 2150 | 3320 | 3080 | 10700 | 14700 | 11400 | 9720 | 9280 |
| 6 | 3300 | 2940 | 2640 | 2160 | 2150 | 3400 | 3280 | 9620 | 15300 | 12800 | 9490 | 8670 |
| 7 | 3190 | 2960 | 2680 | 2170 | 2200 | 3440 | 3600 | 9590 | 16000 | 12100 | 9350 | 8510 |
| 8 | 3100 | 2880 | 2680 | 2150 | 2200 | 3420 | 3970 | 10100 | 17000 | 11500 | 9250 | 8510 |
| 9 | 3060 | 2760 | 2600 | 2100 | 2250 | 3440 | 4300 | 11100 | 18600 | 11300 | 9050 | 8300 |
| 10 | 3050 | 2760 | 2630 | 2050 | 2250 | 3440 | 4500 | 12300 | 19100 | 12400 | 8760 | 8300 |
| 11 | 3050 | 2810 | 2680 | 2100 | 2250 | 3440 | 4730 | 13300 | 19600 | 11600 | 7780 | 8420 |
| 12 | 3030 | 2810 | 2690 | 2200 | 2300 | 3400 | 5210 | 14400 | 20200 | 11000 | 7610 | 8050 |
| 13 | 2990 | 2850 | 2710 | 2300 | 2300 | 3210 | 5610 | 15700 | 20900 | 10900 | 7660 | 7240 |
| 14 | 2990 | 2830 | 2660 | 2330 | 2250 | 3190 | 5540 | 16600 | 20300 | 11700 | 7610 | 5910 |
| 15 | 3120 | 2850 | 2640 | 2250 | 2250 | 3190 | 5360 | 17200 | 18800 | 12100 | 7640 | 6060 |
| 16 | 3210 | 2900 | 2530 | 2200 | 2200 | 2880 | 5660 | 17900 | 16800 | 11800 | 7750 | 5280 |
| 17 | 3150 | 2940 | 2480 | 2200 | 2180 | 2830 | 6110 | 19300 | 14700 | 11900 | 7380 | 4820 |
| 18 | 3080 | 2850 | 2470 | 2150 | 2290 | 2830 | 6780 | 20500 | 16700 | 12100 | 7430 | 4450 |
| 19 | 3010 | 2600 | 2450 | 2180 | 2380 | 2830 | 7580 | 20300 | 17600 | 12000 | 7430 | 4050 |
| 20 | 2970 | 2640 | 2400 | 2100 | 2400 | 2940 | 8640 | 19300 | 18400 | 11700 | 7380 | 3730 |
| 21 | 2960 | 2730 | 2350 | 2080 | 2320 | 3010 | 8420 | 18400 | 20500 | 11800 | 7490 | 3440 |
| 22 | 2960 | 2710 | 2300 | 2050 | 2320 | 3030 | 7810 | 17300 | 17900 | 11800 | 7490 | 3320 |
| 23 | 2940 | 2710 | 2240 | 2050 | 2350 | 3100 | 10000 | 16400 | 16500 | 11500 | 7610 | 3270 |
| 24 | 2920 | 2810 | 2220 | 2030 | 2380 | 3080 | 10900 | 15500 | 15900 | 11400 | 7960 | 4410 |
| 25 | 2920 | 2850 | 2200 | 2000 | 2310 | 2940 | 12000 | 14500 | 14800 | 11100 | 7930 | 4990 |
| 26 | 2900 | 2780 | 2180 | 1980 | 2280 | 2850 | 12800 | 14500 | 13800 | 10600 | 7720 | 5110 |
| 27 | 2900 | 2680 | 2150 | 1950 | 2270 | 2830 | 12600 | 15400 | 13800 | 10500 | 7410 | 4590 |
| 28 | 2880 | 2560 | 2200 | 1950 | 2240 | 2830 | 13000 | 16600 | 13900 | 10700 | 7270 | 4610 |
| 29 | 2870 | 2640 | 2250 | 1950 | 2760 | 2760 | 13200 | 17600 | 12900 | 10400 | 7180 | 4660 |
| 30 | 2830 | 2830 | 2300 | 1980 | 2760 | 2760 | 11800 | 18000 | 12900 | 10300 | 7100 | 4340 |
| 31 | 2810 | 2630 | 2300 | 2000 | 2780 | 2780 | 11800 | 18000 | 12900 | 10300 | 7020 | 4340 |

| Days | 185,500 | 187,900 | 152,700 | 130,600 | 124,500 | 185,100 | 112,500 | 908,600 | 992,500 | 715,400 | 502,600 | 363,500 |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Years | 3,016 | 2,822 | 2,483 | 2,124 | 2,242 | 3,011 | 6,932 | 16,780 | 16,680 | 11,640 | 8,174 | 6,109 |

YEAR 6,657
 MINN. 4,871,430
 AGRIC. FEEL

| Day | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. |
|-----|------|------|------|------|------|------|------|-----|------|------|------|-------|
| 1 | 171 | 180 | 186 | 120 | 55 | 17 | 157 | 313 | 207 | 12 | 33 | 21 |
| 2 | 196 | 161 | 88 | 120 | 50 | 20 | 143 | 113 | 227 | 10 | 42 | 15 |
| 3 | 208 | 176 | 449 | 120 | 50 | 20 | 130 | 113 | 252 | 21 | 43 | 13 |
| 4 | 214 | 181 | 400 | 120 | 45 | 20 | 128 | 56 | 278 | 14 | 40 | 16 |
| 5 | 250 | 189 | 300 | 120 | 45 | 25 | 117 | 52 | 298 | 13 | 39 | 18 |
| 6 | 278 | 195 | 270 | 110 | 45 | 30 | 96 | 93 | 200 | 17 | 49 | 19 |
| 7 | 318 | 185 | 246 | 110 | 40 | 40 | 93 | 134 | 100 | 18 | 41 | 22 |
| 8 | 310 | 177 | 235 | 110 | 40 | 55 | 101 | 96 | 40 | 16 | 44 | 22 |
| 9 | 273 | 306 | 230 | 110 | 40 | 65 | 116 | 86 | 18 | 22 | 58 | 25 |
| 10 | 218 | 333 | 235 | 110 | 35 | 75 | 123 | 75 | 9 | 23 | 60 | 31 |
| 11 | 153 | 372 | 240 | 110 | 35 | 85 | 148 | 56 | 9 | 28 | 75 | 41 |
| 12 | 121 | 402 | 245 | 110 | 30 | 85 | 150 | 37 | 16 | 18 | 94 | 54 |
| 13 | 94 | 440 | 241 | 110 | 25 | 90 | 144 | 35 | 26 | 16 | 90 | 63 |
| 14 | 86 | 459 | 227 | 110 | 20 | 90 | 132 | 49 | 27 | 14 | 50 | 63 |
| 15 | 88 | 428 | 218 | 110 | 20 | 90 | 148 | 43 | 26 | 14 | 38 | 60 |
| 16 | 96 | 416 | 215 | 110 | 20 | 90 | 149 | 50 | 29 | 22 | 36 | 63 |
| 17 | 100 | 418 | 193 | 100 | 20 | 92 | 158 | 413 | 68 | 30 | 37 | 70 |
| 18 | 101 | 407 | 180 | 90 | 20 | 86 | 185 | 434 | 83 | 28 | 33 | 90 |
| 19 | 116 | 392 | 170 | 85 | 20 | 87 | 193 | 153 | 204 | 28 | 25 | 68 |
| 20 | 138 | 366 | 160 | 80 | 20 | 87 | 203 | 207 | 218 | 35 | 18 | 45 |
| 21 | 135 | 376 | 150 | 75 | 20 | 92 | 454 | 308 | 217 | 33 | 28 | 40 |
| 22 | 150 | 389 | 145 | 70 | 20 | 150 | 553 | 314 | 189 | 30 | 28 | 30 |
| 23 | 169 | 351 | 140 | 70 | 20 | 166 | 565 | 280 | 136 | 35 | 27 | 26 |
| 24 | 184 | 369 | 135 | 65 | 20 | 158 | 557 | 354 | 82 | 49 | 45 | 16 |
| 25 | 181 | 385 | 135 | 65 | 20 | 157 | 566 | 396 | 70 | 51 | 48 | 23 |
| 26 | 183 | 369 | 130 | 65 | 20 | 150 | 565 | 336 | 63 | 39 | 60 | 34 |
| 27 | 181 | 300 | 130 | 60 | 20 | 150 | 574 | 360 | 60 | 26 | 58 | 43 |
| 28 | 179 | 328 | 130 | 60 | 18 | 130 | 518 | 382 | 52 | 19 | 52 | 50 |
| 29 | 177 | 327 | 130 | 55 | — | 161 | 388 | 364 | 37 | 21 | 52 | 61 |
| 30 | 192 | 277 | 130 | 55 | — | 161 | 324 | 324 | 25 | 26 | 42 | 80 |
| 31 | 192 | 192 | 130 | 55 | — | 163 | 350 | 260 | 25 | 33 | 26 | 26 |

| MEAN | 175 | 322 | 200 | 92.3 | 29.8 | 92.1 | 263 | 207 | 109 | 24.5 | 45.6 | 40.7 |
|------|--------|--------|--------|-------|-------|-------|--------|--------|-------|-------|-------|-------|
| ACR- | 10,750 | 19,150 | 12,320 | 5,670 | 1,650 | 5,660 | 15,680 | 12,730 | 6,480 | 1,510 | 2,810 | 2,420 |
| Year | 1934 | | | | | | | | | | | |
| MEAN | 96,830 | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|---------|--------|--------|--------|
| 9,560 | 2,626 | 3,181 | 2,576 | 1,811 | 2,103 | 4,051 | 7,236 | 12,777 | 11,358 | 675,800 | 93,530 | 59,520 | 56,890 |
| ACORN-BERT | 2,626 | 3,181 | 2,576 | 1,811 | 2,103 | 4,051 | 7,236 | 12,777 | 11,358 | 675,800 | 93,530 | 59,520 | 56,890 |

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept |
|-----|------|------|------|------|------|------|-------|-------|-------|------|------|------|
| 1 | 2280 | 2950 | 2800 | 2390 | 1680 | 1680 | 3120 | 9500 | 16900 | 1710 | 1080 | 270 |
| 2 | 2320 | 3080 | 3390 | 1920 | 1730 | 3030 | 3390 | 8580 | 17100 | 1130 | 793 | 270 |
| 3 | 2370 | 3080 | 3390 | 1920 | 1730 | 3030 | 3390 | 8580 | 17100 | 1130 | 793 | 270 |
| 4 | 2310 | 3250 | 3650 | 1910 | 1740 | 3120 | 3360 | 6360 | 16800 | 1120 | 808 | 410 |
| 5 | 2390 | 3410 | 3120 | 1780 | 1850 | 1030 | 3510 | 5650 | 14500 | 4230 | 654 | 1160 |
| 6 | 2510 | 3720 | 3000 | 1780 | 1850 | 1900 | 3510 | 4280 | 12900 | 3390 | 800 | 1080 |
| 7 | 2810 | 3170 | 2900 | 1690 | 1900 | 1930 | 3780 | 2810 | 11700 | 3110 | 904 | 714 |
| 8 | 2960 | 3250 | 2750 | 1610 | 1870 | 1500 | 4190 | 2310 | 11100 | 2660 | 1080 | 730 |
| 9 | 2900 | 3390 | 2560 | 1610 | 1870 | 1500 | 4190 | 2310 | 11100 | 2660 | 1080 | 730 |
| 10 | 2690 | 3390 | 2750 | 1870 | 1870 | 1710 | 4560 | 2710 | 11900 | 2390 | 1130 | 816 |
| 11 | 2570 | 3510 | 3370 | 1930 | 1950 | 1650 | 4320 | 3370 | 11700 | 2520 | 1530 | 920 |
| 12 | 2580 | 3610 | 3650 | 1730 | 1980 | 1520 | 6250 | 5510 | 11900 | 1180 | 1050 | 2300 |
| 13 | 2520 | 3630 | 3760 | 1730 | 1950 | 1350 | 6270 | 6910 | 12200 | 660 | 793 | 2130 |
| 14 | 2370 | 3760 | 3760 | 1780 | 1950 | 1350 | 6910 | 6910 | 12200 | 576 | 751 | 1680 |
| 15 | 2210 | 3700 | 3290 | 1910 | 1660 | 1420 | 8720 | 8720 | 12200 | 576 | 751 | 1680 |
| 16 | 2260 | 3550 | 3030 | 1920 | 1610 | 1800 | 6110 | 10300 | 11100 | 880 | 786 | 1250 |
| 17 | 2550 | 3390 | 2820 | 1970 | 1690 | 1710 | 6070 | 13100 | 9580 | 793 | 751 | 1250 |
| 18 | 2860 | 3200 | 2570 | 2070 | 1820 | 1080 | 7020 | 20100 | 9100 | 912 | 534 | 1180 |
| 19 | 2870 | 3000 | 2100 | 1920 | 1900 | 1080 | 7020 | 20100 | 9100 | 688 | 510 | 1230 |
| 20 | 2880 | 2760 | 1810 | 1820 | 1980 | 1050 | 7960 | 23000 | 10600 | 612 | 516 | 1290 |
| 21 | 2870 | 2800 | 1610 | 1800 | 2270 | 1120 | 9270 | 23900 | 11100 | 612 | 516 | 1290 |
| 22 | 2810 | 2960 | 1870 | 1810 | 2110 | 1150 | 9860 | 21300 | 13700 | 832 | 522 | 928 |
| 23 | 2780 | 2960 | 1690 | 1760 | 2680 | 1100 | 11000 | 22100 | 10800 | 1360 | 702 | 314 |
| 24 | 2710 | 2950 | 1720 | 1690 | 2800 | 1260 | 11900 | 21600 | 10800 | 1360 | 702 | 314 |
| 25 | 2690 | 3000 | 1380 | 1690 | 2930 | 1210 | 11900 | 21600 | 10800 | 1580 | 1370 | 455 |
| 26 | 2660 | 3030 | 1860 | 1650 | 3110 | 1120 | 12900 | 19800 | 19800 | 1360 | 1720 | 674 |
| 27 | 2660 | 2820 | 1900 | 1550 | 3090 | 3970 | 13600 | 18100 | 6110 | 896 | 1900 | 600 |
| 28 | 2700 | 2510 | 2080 | 1750 | 3060 | 3760 | 13500 | 17600 | 5910 | 606 | 1730 | 612 |
| 29 | 2700 | 2810 | 1810 | 1710 | — | 3650 | 12800 | 17700 | 5010 | 612 | 1410 | 709 |
| 30 | 2750 | 2810 | 2130 | 1750 | — | 3650 | 12800 | 17700 | 5010 | 606 | 1410 | 709 |
| 31 | 2750 | 2750 | 3000 | 1750 | — | 3650 | 12800 | 17700 | 5010 | 606 | 1410 | 709 |

AGRICULTURE
 5,277,300
 7,290

| | | | | | | | | | | | | | | |
|---------|---------|-------|---------|---------|---------|---------|---------|-------|--------|--------|--------|--------|--------|-------|
| 112,800 | 128,800 | 2,165 | 4,862 | 299,000 | 318,200 | 383,900 | 386,600 | 6,287 | 6,185 | 10,110 | 12,420 | 11,950 | 11,340 | 7,647 |
| 1,834 | 2,165 | 4,862 | 299,000 | 318,200 | 383,900 | 386,600 | 6,287 | 6,185 | 10,110 | 12,420 | 11,950 | 11,340 | 7,647 | |

| Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | Sep | Oct | Nov | Dec |
|------|------|------|------|-------|------|-------|-------|-------|-------|-------|-------|------|------|------|
| 2240 | 2200 | 5010 | 5520 | 5520 | 7500 | 5020 | 11600 | 10500 | 11800 | 12000 | 9610 | 2240 | 2200 | 5010 |
| 2670 | 2160 | 4900 | 5520 | 5520 | 8160 | 3350 | 11600 | 10500 | 11800 | 12000 | 9610 | 2670 | 2160 | 4900 |
| 161 | 2150 | 4900 | 5480 | 6220 | 8160 | 11500 | 13000 | 13000 | 11500 | 11900 | 11700 | 161 | 2150 | 4900 |
| 2100 | 2180 | 79 | 5160 | 5110 | 5990 | 11300 | 13100 | 11300 | 11800 | 11700 | 10500 | 2100 | 2180 | 79 |
| 2190 | 2180 | 4930 | 5100 | 7320 | 8180 | 10900 | 14600 | 11200 | 11700 | 11700 | 9460 | 2190 | 2180 | 4930 |
| 2160 | 2170 | 4930 | 5100 | 107 | 8180 | 5030 | 10900 | 11600 | 11200 | 11700 | 9460 | 2160 | 2170 | 4930 |
| 2290 | 72 | 4950 | 5860 | 7320 | 8180 | 10800 | 10800 | 16000 | 11200 | 11600 | 8910 | 2290 | 72 | 4950 |
| 2260 | 2150 | 4930 | 8300 | 7510 | 5030 | 10800 | 15400 | 11100 | 11700 | 11700 | 9050 | 2260 | 2150 | 4930 |
| 2270 | 2180 | 4930 | 2510 | 5370 | 5010 | 10400 | 13600 | 11400 | 11700 | 11700 | 9460 | 2270 | 2180 | 4930 |
| 2300 | 106 | 4950 | 6130 | 6070 | 5060 | 10900 | 10900 | 11100 | 12400 | 12400 | 6280 | 2300 | 106 | 4950 |
| 2310 | 3040 | 4950 | 7570 | 6070 | 5060 | 10900 | 10900 | 11100 | 12100 | 12100 | 7090 | 2310 | 3040 | 4950 |
| 2310 | 2870 | 4930 | 82 | 6030 | 8050 | 5090 | 10800 | 11100 | 12100 | 12100 | 7090 | 2310 | 2870 | 4930 |
| 175 | 2810 | 5140 | 5370 | 6520 | 8050 | 5090 | 9980 | 12800 | 11800 | 11800 | 6910 | 175 | 2810 | 5140 |
| 2920 | 2660 | 5150 | 5820 | 7300 | 7510 | 5090 | 9370 | 12600 | 12700 | 11800 | 6190 | 2920 | 2660 | 5150 |
| 2920 | 2680 | 5150 | 5570 | 9980 | 5100 | 5090 | 9050 | 11800 | 12400 | 11500 | 6190 | 2920 | 2680 | 5150 |
| 2910 | 2660 | 5150 | 6380 | 9980 | 2530 | 9090 | 9090 | 11100 | 12400 | 11500 | 6190 | 2910 | 2660 | 5150 |
| 1810 | 74 | 5130 | 5320 | 10000 | 5040 | 6230 | 9140 | 12300 | 12100 | 11300 | 6400 | 1810 | 74 | 5130 |
| 1710 | 2700 | 5130 | 7510 | 9980 | 5030 | 6200 | 9180 | 12800 | 13000 | 11300 | 6230 | 1710 | 2700 | 5130 |
| 1720 | 2710 | 5140 | 5650 | 9980 | 5010 | 6740 | 9280 | 15400 | 12000 | 11200 | 6070 | 1720 | 2710 | 5140 |
| 175 | 2720 | 5150 | 5110 | 9320 | 5030 | 7740 | 9000 | 12200 | 12000 | 10600 | 5820 | 175 | 2720 | 5150 |
| 1750 | 2710 | 5380 | 5600 | 7370 | 4980 | 8050 | 8860 | 12500 | 12300 | 10600 | 5900 | 1750 | 2710 | 5380 |
| 1500 | 2770 | 5380 | 6180 | 10300 | 5010 | 8950 | 8910 | 12000 | 12300 | 10600 | 5900 | 1500 | 2770 | 5380 |
| 1430 | 2710 | 5120 | 6250 | 2880 | 5010 | 9840 | 8910 | 11700 | 12200 | 10100 | 6080 | 1430 | 2710 | 5120 |
| 1430 | 76 | 5120 | 5370 | 11300 | 5000 | 10000 | 10100 | 11900 | 12400 | 9510 | 4550 | 1430 | 76 | 5120 |
| 1450 | 2730 | 5150 | 5660 | 6520 | 5010 | 10700 | 10100 | 11900 | 11600 | 9140 | 4550 | 1450 | 2730 | 5150 |
| 1160 | 2730 | 5100 | 6520 | 5700 | 5010 | 11500 | 9610 | 11900 | 11600 | 9280 | 4550 | 1160 | 2730 | 5100 |

AGRICULTURE
 5,277,300
 7,290

| Day | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. |
|-----|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1 | 200 | | | | | | 0 | 1290 | 628 | 1250 | 1210 | 1020 |
| 2 | 200 | | | | | | 0 | 1270 | 593 | 1250 | 1210 | 1010 |
| 3 | 200 | | | | | | 0 | 1230 | 598 | 1260 | 1250 | 1120 |
| 4 | 196 | | | | | | 0 | 1190 | 630 | 1260 | 1250 | 1100 |
| 5 | 200 | | | | | | 0 | 1170 | 712 | 1050 | 1250 | 1110 |
| 6 | 198 | | | | | | 0 | 1110 | 1010 | 1110 | 1250 | 1070 |
| 7 | 196 | | | | | | 0 | 1090 | 1190 | 1220 | 1260 | 1010 |
| 8 | 199 | | | | | | 0 | 1090 | 1310 | 1230 | 1270 | 986 |
| 9 | 238 | | | | | | 0 | 1060 | 1350 | 1250 | 1280 | 965 |
| 10 | 266 | | | | | | 0 | 1100 | 1360 | 1250 | 1280 | 926 |
| 11 | 312 | | | | | | 0 | 1150 | 1360 | 1260 | 1280 | 853 |
| 12 | 406 | | | | | | 0 | 1200 | 1360 | 1260 | 1280 | 789 |
| 13 | 438 | | | | | | 0 | 1270 | 1310 | 1270 | 1280 | 698 |
| 14 | 452 | | | | | | 0 | 1320 | 1190 | 1290 | 1280 | 641 |
| 15 | 451 | | | | | | 89 | 1320 | 1100 | 1290 | 1270 | 588 |
| 16 | 450 | | | | | | 131 | 1300 | 1060 | 1290 | 1260 | 568 |
| 17 | 478 | | | | | | 275 | 1100 | 1060 | 1290 | 1260 | 553 |
| 18 | 473 | | | | | | 431 | 1030 | 1040 | 1250 | 1250 | 496 |
| 19 | 518 | | | | | | 431 | 1030 | 1030 | 1240 | 1240 | 499 |
| 20 | 130 | | | | | | 503 | 286 | 1020 | 1270 | 1200 | 506 |
| 21 | 0 | | | | | | 677 | 310 | 1120 | 1270 | 1190 | 598 |
| 22 | 0 | | | | | | 819 | 328 | 1240 | 1260 | 1200 | 633 |
| 23 | 0 | | | | | | 935 | 382 | 1280 | 1270 | 1170 | 711 |
| 24 | 0 | | | | | | 999 | 425 | 1240 | 1270 | 1070 | 711 |
| 25 | 0 | | | | | | 1070 | 466 | 1250 | 1270 | 1010 | 706 |
| 26 | 0 | | | | | | 1190 | 578 | 1260 | 1270 | 941 | 713 |
| 27 | 0 | | | | | | 1330 | 656 | 1270 | 1270 | 905 | 716 |
| 28 | 0 | | | | | | 1370 | 682 | 1270 | 1260 | 868 | 682 |
| 29 | 0 | | | | | | 1350 | 708 | 1270 | 1250 | 891 | 616 |
| 30 | 0 | | | | | | | | | | | |
| 31 | 0 | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|------|--------|---|---|---|---|---|---|--------|--------|--------|--------|--------|--------|
| MEAN | 199 | 0 | 0 | 0 | 0 | 0 | 0 | 996 | 874 | 1,106 | 1,253 | 1,181 | 772 |
| ACR. | 12,250 | 0 | 0 | 0 | 0 | 0 | 0 | 23,550 | 53,730 | 65,890 | 77,060 | 72,600 | 45,940 |

MEAN 185
ACR. 350,960



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

| Day | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. |
|-----|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| 1 | 10.84 | 8.27 | 8.42 | 8.23 | 8.46 | 8.32 | 6.12 | 10.95 | 10.85 | 10.98 | 10.94 | 10.85 |
| 2 | 10.94 | 8.57 | 8.14 | 7.96 | 8.26 | 8.25 | 4.38 | 10.97 | 10.96 | 11.04 | 10.94 | 10.81 |
| 3 | 11.02 | 8.66 | 8.15 | 7.97 | 8.12 | 8.37 | 3.82 | 10.94 | 11.06 | 11.06 | 10.98 | 10.89 |
| 4 | 10.82 | 8.84 | 7.76 | 7.93 | 8.11 | 8.46 | 3.85 | 10.75 | 10.98 | 10.98 | 11.02 | 10.86 |
| 5 | 10.42 | 9.35 | 7.96 | 7.90 | 8.18 | 8.44 | 3.32 | 10.80 | 10.92 | 10.92 | 11.02 | 10.86 |
| 6 | 10.64 | 9.68 | 8.36 | 7.88 | 8.32 | 8.14 | 4.38 | 10.98 | 10.97 | 11.06 | 11.06 | 10.84 |
| 7 | 10.60 | 9.71 | 8.47 | 7.90 | 7.76 | 8.28 | 7.50 | 10.96 | 11.00 | 11.00 | 11.03 | 10.73 |
| 8 | 10.52 | 9.90 | 8.45 | 7.88 | 7.24 | 8.32 | 7.18 | 11.05 | 11.00 | 11.00 | 11.09 | 10.72 |
| 9 | 10.38 | 10.20 | 8.53 | 8.44 | 8.08 | 8.19 | 7.60 | 11.02 | 10.93 | 10.98 | 11.10 | 10.74 |
| 10 | 10.40 | 10.44 | 8.30 | 8.40 | 8.48 | 8.09 | 7.75 | 11.00 | 10.94 | 11.06 | 11.02 | 10.61 |
| 11 | 10.42 | 10.58 | 8.18 | 8.47 | 8.22 | 8.03 | 7.86 | 10.98 | 10.89 | 11.00 | 10.91 | 10.56 |
| 12 | 10.38 | 10.68 | 8.20 | 8.46 | 8.10 | 7.80 | 7.60 | 10.90 | 11.00 | 10.88 | 10.78 | 10.56 |
| 13 | 10.14 | 10.60 | 8.18 | 8.22 | 8.04 | 7.94 | 7.88 | 10.78 | 10.90 | 10.88 | 10.78 | 10.72 |
| 14 | 9.95 | 10.58 | 8.10 | 8.18 | 8.10 | 8.24 | 8.04 | 10.75 | 10.94 | 10.92 | 10.74 | 10.59 |
| 15 | 9.58 | 10.45 | 7.91 | 8.25 | 8.27 | 8.31 | 7.84 | 10.78 | 10.88 | 10.96 | 10.84 | 10.46 |
| 16 | 9.89 | 10.54 | 7.97 | 8.60 | 8.16 | 8.05 | 8.05 | 10.81 | 10.86 | 10.96 | 11.09 | 10.30 |
| 17 | 9.94 | 9.85 | 8.07 | 7.98 | 8.11 | 8.41 | 8.68 | 11.04 | 10.94 | 10.88 | 11.02 | 10.21 |
| 18 | 10.16 | 9.80 | 8.40 | 7.45 | 8.36 | 8.40 | 8.97 | 10.98 | 10.96 | 11.02 | 11.07 | 10.44 |
| 19 | 10.11 | 9.42 | 8.22 | 7.34 | 8.28 | 8.32 | 9.58 | 11.00 | 11.03 | 10.96 | 11.04 | 10.78 |
| 20 | 10.24 | 8.88 | 8.33 | 7.44 | 8.41 | 7.74 | 9.84 | 10.92 | 11.04 | 10.72 | 11.09 | 10.58 |
| 21 | 10.08 | 8.60 | 8.18 | 8.12 | 8.48 | 7.62 | 10.50 | 10.96 | 11.02 | 11.00 | 11.09 | 10.48 |
| 22 | 10.02 | 8.41 | 8.14 | 8.37 | 8.50 | 7.35 | 10.84 | 11.00 | 11.02 | 11.00 | 11.02 | 10.72 |
| 23 | 9.99 | 8.32 | 7.96 | 8.52 | 8.38 | 7.55 | 10.84 | 11.03 | 10.98 | 11.00 | 11.07 | 10.41 |
| 24 | 9.99 | 7.82 | 8.02 | 8.80 | 8.37 | 7.96 | 10.68 | 11.02 | 10.91 | 10.94 | 11.08 | 10.28 |
| 25 | 9.96 | 8.34 | 8.22 | 9.07 | 8.12 | 7.86 | 10.70 | 11.00 | 10.96 | 10.99 | 10.98 | 10.35 |
| 26 | 9.91 | 7.77 | 8.14 | 8.24 | 7.53 | 7.78 | 10.74 | 10.97 | 10.90 | 11.06 | 11.08 | 10.48 |
| 27 | 9.36 | 8.38 | 8.30 | 7.86 | 8.22 | 7.85 | 10.69 | 10.97 | 10.90 | 10.98 | 11.08 | 10.19 |
| 28 | 8.89 | 8.44 | 8.42 | 8.53 | 8.57 | 8.05 | 10.48 | 10.88 | 10.94 | 11.06 | 11.08 | 10.19 |
| 29 | 8.62 | 8.22 | 8.34 | 8.53 | 8.24 | 7.53 | 10.31 | 10.77 | 10.88 | 11.06 | 11.08 | 9.62 |
| 30 | 8.46 | 8.62 | 8.22 | 8.57 | 8.24 | 7.22 | 10.90 | 10.77 | 10.66 | 11.04 | 11.08 | 9.28 |
| 31 | 8.26 | 8.46 | 8.22 | 8.44 | 8.44 | 6.93 | 10.54 | 10.92 | 10.86 | 11.02 | 11.04 | 9.53 |

| Year |
|------|------|------|------|------|------|------|------|------|------|
| | | | | | | | | | |



| | | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Year | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 |
| Mean | 1.067 | 1.352 | 1.488 | 1.395 | 1.208 | 1.11 | 1.208 | 1.208 | 1.208 | 1.208 | 1.208 | 1.208 | 1.208 | 1.208 | 1.208 | 1.208 | 1.208 | 1.208 | 1.208 |
| Acres | 63,490 | 83,150 | 91,480 | 83,030 | 74,300 | 21,460 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Year
or
Month
Mean
Acres

585
423,690

| Day | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. |
|-----|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1110 | 1350 | 1430 | 1490 | 1270 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1110 | 1380 | 1460 | 1560 | 1260 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1130 | 1380 | 1480 | 1530 | 1260 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1250 | 1380 | 1480 | 1550 | 1260 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1270 | 1380 | 1490 | 1550 | 1250 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1270 | 1390 | 1480 | 1550 | 1210 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1270 | 1390 | 1480 | 1550 | 1210 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1270 | 1380 | 1480 | 1560 | 1210 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1270 | 1380 | 1490 | 1570 | 1200 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1270 | 1380 | 1490 | 1560 | 1200 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1270 | 1380 | 1470 | 1550 | 1200 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1270 | 1380 | 1460 | 1530 | 1210 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1260 | 1380 | 1460 | 1530 | 1160 |
| 14 | 0 | 360 | 560 | 0 | 0 | 0 | 0 | 1260 | 1380 | 1490 | 1330 | 1130 |
| 15 | 0 | 560 | 441 | 0 | 0 | 0 | 0 | 1270 | 1360 | 1510 | 1270 | 1130 |
| 16 | 0 | 441 | 422 | 0 | 0 | 0 | 0 | 1280 | 1360 | 1490 | 1270 | 1090 |
| 17 | 0 | 422 | 141 | 0 | 0 | 0 | 0 | 1280 | 1410 | 1490 | 1260 | 1100 |
| 18 | 0 | 141 | 0 | 0 | 0 | 0 | 0 | 1270 | 1430 | 1480 | 1280 | 1090 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1270 | 1430 | 1470 | 1300 | 1030 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1200 | 1430 | 1500 | 1290 | 982 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 930 | 1430 | 1500 | 1290 | 970 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 945 | 1430 | 1500 | 1290 | 966 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1060 | 1430 | 1500 | 1290 | 959 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1120 | 1430 | 1490 | 1280 | 962 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1100 | 1430 | 1520 | 1290 | 972 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1090 | 1470 | 1540 | 1280 | 968 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1090 | 1470 | 1540 | 1270 | 955 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1080 | 1470 | 1540 | 1270 | 937 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1080 | 1470 | 1520 | 1260 | 0 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1090 | 1470 | 1510 | 1250 | 0 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1280 | 1470 | 1510 | 1260 | 0 |

For the year ending September 30, 1937
 Plate No. 444

| Day | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. |
|-----|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1 | 896 | 710 | 510 | 385 | 340 | 320 | 338 | 2640 | 2380 | 2540 | 2500 | 2300 |
| 2 | 908 | 732 | 490 | 385 | 340 | 320 | 250 | 2660 | 2340 | 2560 | 2500 | 2160 |
| 3 | 904 | 678 | 466 | 380 | 339 | 320 | 250 | 2660 | 2340 | 2560 | 2560 | 2160 |
| 4 | 810 | 650 | 421 | 380 | 340 | 320 | 250 | 2500 | 2280 | 2540 | 2580 | 2130 |
| 5 | 810 | 619 | 395 | 380 | 340 | 299 | 124 | 2460 | 2300 | 2540 | 2590 | 2110 |
| 6 | 825 | 605 | 390 | 380 | 340 | 234 | 306 | 2440 | 2320 | 2550 | 2580 | 2070 |
| 7 | 817 | 615 | 390 | 380 | 340 | 234 | 299 | 2400 | 2300 | 2500 | 2620 | 1980 |
| 8 | 806 | 501 | 390 | 380 | 340 | 234 | 299 | 2420 | 2290 | 2500 | 2660 | 1940 |
| 9 | 233 | 454 | 390 | 395 | 340 | 224 | 157 | 2420 | 2280 | 2540 | 2680 | 1880 |
| 10 | 0 | 460 | 379 | 395 | 300 | 243 | 85 | 2420 | 2290 | 2560 | 2640 | 1740 |
| 11 | 0 | 463 | 373 | 395 | 200 | 262 | 88 | 2480 | 2350 | 2540 | 2630 | 1750 |
| 12 | 0 | 466 | 370 | 406 | 180 | 262 | 86 | 2540 | 2460 | 2500 | 2660 | 1770 |
| 13 | 0 | 466 | 370 | 420 | 150 | 262 | 166 | 2530 | 2440 | 2500 | 2710 | 1740 |
| 14 | 0 | 466 | 365 | 420 | 150 | 294 | 574 | 2530 | 2440 | 2520 | 2720 | 1610 |
| 15 | 0 | 466 | 362 | 420 | 150 | 315 | 817 | 2540 | 2450 | 2540 | 2740 | 1460 |
| 16 | 0 | 418 | 365 | 420 | 150 | 312 | 1020 | 2560 | 2420 | 2540 | 2720 | 1440 |
| 17 | 0 | 376 | 373 | 410 | 150 | 320 | 1100 | 2570 | 2460 | 2650 | 2680 | 1480 |
| 18 | 548 | 436 | 370 | 400 | 150 | 315 | 1210 | 2530 | 2450 | 2700 | 2680 | 1460 |
| 19 | 868 | 463 | 370 | 390 | 150 | 312 | 1330 | 2560 | 2460 | 2700 | 2640 | 1410 |
| 20 | 876 | 448 | 370 | 390 | 150 | 299 | 1350 | 2520 | 2420 | 2680 | 2580 | 1230 |
| 21 | 860 | 439 | 370 | 390 | 150 | 320 | 1280 | 2550 | 2400 | 2720 | 2560 | 1140 |
| 22 | 856 | 460 | 370 | 395 | 150 | 325 | 1420 | 2580 | 2440 | 2720 | 2560 | 1110 |
| 23 | 856 | 479 | 370 | 395 | 150 | 336 | 1720 | 2570 | 2410 | 2720 | 2550 | 1090 |
| 24 | 852 | 460 | 370 | 400 | 150 | 357 | 1800 | 2570 | 2410 | 2700 | 2560 | 1090 |
| 25 | 848 | 476 | 370 | 400 | 230 | 354 | 1680 | 2480 | 2440 | 2680 | 2520 | 1110 |
| 26 | 844 | 497 | 375 | 400 | 300 | 384 | 1620 | 2440 | 2490 | 2670 | 2520 | 840 |
| 27 | 791 | 510 | 385 | 395 | 300 | 416 | 1620 | 2440 | 2490 | 2600 | 2500 | 636 |
| 28 | 758 | 510 | 385 | 395 | 310 | 418 | 1750 | 2520 | 2530 | 2600 | 2460 | 678 |
| 29 | 732 | 510 | 385 | 390 | 310 | 401 | 2120 | 2580 | 2530 | 2460 | 2460 | 868 |
| 30 | 717 | 510 | 385 | 390 | 390 | 433 | 2560 | 2630 | 2560 | 2560 | 2400 | 2380 |
| 31 | 706 | 510 | 385 | 360 | 360 | 552 | 2640 | 2640 | 2540 | 2560 | 2380 | 1410 |

| Year | 1937 | 1936 | 1935 | 1934 | 1933 | 1932 | 1931 | 1930 | 1929 | 1928 | 1927 | 1926 |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|--------|
| Mean | 585 | 511 | 389 | 394 | 239 | 322 | 932 | 2,529 | 2,406 | 2,592 | 2,585 | 1,527 |
| Accr- | 35,940 | 30,430 | 23,920 | 24,240 | 13,250 | 19,830 | 55,490 | 155,500 | 143,200 | 159,400 | 158,900 | 90,850 |

YEAR 1,258
 AGRY-TRNS 910,950

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept |
|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|
| 1 | 929 | 762 | 576 | 552 | 475 | 425 | 17 | 3290 | 3190 | 3560 | 3540 | 3300 |
| 2 | 855 | 660 | 489 | 525 | 470 | 440 | 16 | 3290 | 3110 | 3540 | 3540 | 3280 |
| 3 | 804 | 638 | 489 | 510 | 465 | 476 | 15 | 3410 | 3110 | 3540 | 3560 | 3290 |
| 4 | 801 | 615 | 529 | 500 | 465 | 428 | 14 | 3460 | 3060 | 3560 | 3560 | 3240 |
| 5 | 811 | 615 | 540 | 490 | 465 | 423 | 93 | 3540 | 3030 | 3550 | 3560 | 3210 |
| 6 | 832 | 601 | 535 | 485 | 465 | 431 | 350 | 3490 | 3040 | 3560 | 3590 | 3170 |
| 7 | 821 | 604 | 540 | 490 | 450 | 438 | 302 | 3410 | 3040 | 3590 | 3590 | 3070 |
| 8 | 794 | 607 | 527 | 490 | 425 | 431 | 1050 | 3400 | 3030 | 3600 | 3550 | 2190 |
| 9 | 781 | 598 | 538 | 510 | 430 | 381 | 1120 | 3410 | 3090 | 3590 | 3560 | 3090 |
| 10 | 781 | 598 | 538 | 505 | 445 | 394 | 711 | 3420 | 3180 | 3580 | 3560 | 3190 |
| 11 | 781 | 584 | 535 | 505 | 420 | 399 | 675 | 3480 | 3230 | 3560 | 3590 | 3090 |
| 12 | 781 | 554 | 554 | 507 | 410 | 431 | 794 | 3490 | 3260 | 3580 | 3680 | 2920 |
| 13 | 784 | 559 | 526 | 500 | 410 | 444 | 890 | 3500 | 3230 | 3580 | 3640 | 2920 |
| 14 | 778 | 568 | 534 | 500 | 410 | 451 | 958 | 3560 | 3170 | 3580 | 3650 | 2590 |
| 15 | 778 | 568 | 521 | 500 | 425 | 438 | 1060 | 3560 | 3150 | 3600 | 3670 | 2110 |
| 16 | 774 | 570 | 493 | 520 | 420 | 431 | 1200 | 3560 | 3140 | 3590 | 3650 | 2070 |
| 17 | 778 | 565 | 474 | 490 | 440 | 457 | 1270 | 3520 | 3170 | 3600 | 3630 | 2370 |
| 18 | 778 | 548 | 500 | 465 | 470 | 472 | 1390 | 3500 | 3200 | 3610 | 3600 | 2360 |
| 19 | 778 | 543 | 500 | 435 | 455 | 480 | 1700 | 3520 | 3200 | 3600 | 3590 | 2230 |
| 20 | 768 | 537 | 519 | 440 | 455 | 491 | 1910 | 3460 | 3200 | 3580 | 3580 | 2170 |
| 21 | 610 | 548 | 512 | 475 | 450 | 478 | 2070 | 3480 | 3240 | 3600 | 3560 | 2030 |
| 22 | 31 | 540 | 514 | 485 | 445 | 478 | 2170 | 3460 | 3260 | 3570 | 3560 | 1840 |
| 23 | 30 | 529 | 500 | 490 | 430 | 502 | 2320 | 3400 | 3350 | 3570 | 3570 | 1750 |
| 24 | 30 | 532 | 500 | 500 | 430 | 505 | 2580 | 3370 | 3440 | 3560 | 3520 | 1750 |
| 25 | 21 | 532 | 495 | 515 | 410 | 478 | 2710 | 3360 | 3500 | 3550 | 3500 | 1750 |
| 26 | 479 | 534 | 479 | 475 | 370 | 475 | 2870 | 3350 | 3450 | 3540 | 3470 | 1770 |
| 27 | 818 | 532 | 481 | 455 | 395 | 489 | 3180 | 3330 | 3440 | 3540 | 3350 | 1720 |
| 28 | 714 | 537 | 498 | 490 | 400 | 475 | 3300 | 3340 | 3490 | 3540 | 3330 | 1670 |
| 29 | 811 | 526 | 503 | 490 | 475 | 464 | 3310 | 3330 | 3540 | 3530 | 3340 | 1690 |
| 30 | 808 | 524 | 503 | 475 | 475 | 470 | 3310 | 3310 | 3540 | 3540 | 3330 | 1640 |
| 31 | 818 | | 515 | 480 | | 460 | 3260 | 3260 | 3540 | 3540 | 3310 | |

| MEAN | ACRE-FT | MEAN | ACRE-FT | MEAN | ACRE-FT | MEAN | ACRE-FT | MEAN | ACRE-FT | MEAN | ACRE-FT | MEAN | ACRE-FT |
|-------|---------|-------|---------|-------|---------|-------|---------|------|---------|------|---------|-------|---------|
| 682 | 41,960 | 574 | 34,170 | 515 | 31,650 | 492 | 30,250 | 436 | 24,200 | 449 | 27,620 | 1,416 | 86,010 |
| 3,238 | 192,700 | 3,568 | 219,400 | 3,535 | 217,400 | 2,429 | 144,600 | | | | | | |

MEAN * 1.741
ACRE-FT * 1,260,760



| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug |
|-----|------|------|------|------|-------|------|------|------|------|------|------|
| 1 | 228 | 419 | 3090 | 3090 | 4980 | 5430 | 9090 | 5520 | 314 | 515 | 232 |
| 2 | 252 | 440 | 3960 | 4980 | 5230 | 7740 | 5060 | 396 | 3190 | 49 | 232 |
| 3 | 658 | 443 | 3750 | 5030 | 5230 | 7740 | 5040 | 165 | 3810 | 329 | 429 |
| 4 | 630 | 450 | 3040 | 5040 | 5160 | 7800 | 5040 | 165 | 3630 | 117 | 479 |
| 5 | 534 | 475 | 2720 | 5040 | 5190 | 7920 | 3360 | 165 | 3630 | 232 | 368 |
| 6 | 563 | 493 | 3390 | 5060 | 5190 | 7240 | 1520 | 367 | 3800 | 228 | 371 |
| 7 | 541 | 511 | 3700 | 5030 | 4710 | 7640 | 3450 | 173 | 6280 | 223 | 371 |
| 8 | 433 | 397 | 3720 | 4960 | 4360 | 7780 | 3680 | 388 | 6390 | 223 | 1100 |
| 9 | 666 | 511 | 4250 | 5290 | 5020 | 7600 | 3910 | 232 | 4920 | 244 | 237 |
| 10 | 840 | 522 | 4380 | 5480 | 5590 | 6120 | 4190 | 41 | 3000 | 223 | 239 |
| 11 | 889 | 694 | 4110 | 5500 | 5720 | 4380 | 4380 | 20 | 1820 | 221 | 246 |
| 12 | 972 | 862 | 4120 | 5500 | 5580 | 5540 | 4050 | 18 | 1140 | 214 | 479 |
| 13 | 1150 | 845 | 4100 | 5260 | 5490 | 3920 | 686 | 18 | 746 | 212 | 678 |
| 14 | 1120 | 563 | 3900 | 5030 | 5520 | 4090 | 746 | 18 | 594 | 216 | 274 |
| 15 | 924 | 479 | 3480 | 5250 | 5790 | 3360 | 594 | 18 | 377 | 511 | 239 |
| 16 | 918 | 1740 | 3110 | 6040 | 6180 | 6160 | 377 | 18 | 690 | 239 | 239 |
| 17 | 606 | 1860 | 3330 | 4990 | 6340 | 7190 | 387 | 152 | 1010 | 787 | 230 |
| 18 | 423 | 2280 | 4470 | 4150 | 7760 | 7260 | 575 | 123 | 2030 | 223 | 566 |
| 19 | 450 | 2460 | 4910 | 4020 | 9260 | 5740 | 365 | 152 | 786 | 368 | 230 |
| 20 | 534 | 2330 | 5100 | 4840 | 9930 | 5220 | 287 | 16 | 1480 | 280 | 685 |
| 21 | 662 | 2210 | 5120 | 4840 | 9930 | 5220 | 287 | 16 | 1560 | 274 | 930 |
| 22 | 1180 | 2090 | 5030 | 5410 | 10300 | 3350 | 825 | 20 | 2780 | 346 | 436 |
| 23 | 1180 | 2130 | 4770 | 5920 | 10500 | 3250 | 531 | 20 | 4970 | 447 | 230 |
| 24 | 1180 | 1980 | 4630 | 7080 | 10700 | 4470 | 175 | 20 | 1940 | 312 | 232 |
| 25 | 1180 | 1920 | 4860 | 7820 | 10100 | 4930 | 175 | 22 | 1020 | 266 | 733 |
| 26 | 1170 | 2180 | 4910 | 7010 | 7900 | 4350 | 175 | 22 | 1020 | 530 | 1480 |
| 27 | 1100 | 1910 | 4990 | 6390 | 8400 | 4330 | 175 | 22 | 136 | 249 | 972 |
| 28 | 825 | 1910 | 5150 | 6550 | 5760 | 4850 | 171 | 14 | 136 | 232 | 254 |
| 29 | 582 | 1880 | 5200 | 6350 | 3300 | 4210 | 171 | 13 | 13 | 232 | 269 |
| 30 | 409 | 1700 | 5110 | 5660 | 3130 | 3000 | 221 | 26 | 12 | 232 | |
| 31 | 419 | | | | | | | | | | |

| | | | | | |
|--------|--------|---------|---------|---------|-----------|
| 481 | 285 | 142 | 8,700 | 17,520 | 28,610 |
| 749 | 1,294 | 4,236 | 5,460 | 6,774 | 376,200 |
| 46,050 | 76,990 | 260,500 | 335,700 | 371,600 | 6,043 |
| | | | 2,351 | 139,900 | 371,600 |
| | | | 139 | 8,560 | 139,900 |
| | | | 1,999 | 118,900 | 139,900 |
| | | | 1,999 | 17,520 | 1,789,230 |
| | | | 2,471 | | |

MEAN YEAR
AGREEMENT 1,789,230

| Day | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. |
|-----|------|------|------|------|------|-------|------|-----|-------|-------|------|-------|
| 1 | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | 79224 | | |
| 5 | | | | | | | | | | 79098 | | |
| 6 | | | | | | | | | | 78972 | | |
| 7 | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | |
| 9 | | | | | | 64432 | | | 78972 | | | |
| 10 | | | | | | | | | | 66740 | | |
| 11 | | | | | | | | | | 78972 | | 53428 |
| 12 | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | |
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| 25 | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | |

MARK
ACR-

U-1149

YEAR
OR
PERIOD

MARK
OR
ACR-
PERIOD

| Day | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. |
|-----|------|------|------|------|------|------|------|-----|------|------|------|-------|
| 1 | 220 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 |
| 2 | 220 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 |
| 3 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 |
| 4 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 |
| 5 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 |
| 6 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 |
| 7 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 |
| 8 | 220 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 |
| 9 | 220 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 |
| 10 | 220 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 |
| 11 | 220 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 |
| 12 | 178 | 233 | 233 | 233 | 233 | 233 | 233 | 233 | 233 | 233 | 233 | 233 |
| 13 | 75 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 |
| 14 | 75 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 |
| 15 | 74 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 |
| 16 | 73 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 |
| 17 | 73 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 |
| 18 | 73 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 |
| 19 | 73 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 |
| 20 | 73 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 |
| 21 | 73 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 |
| 22 | 73 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 |
| 23 | 73 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 |
| 24 | 73 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 |
| 25 | 73 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 |
| 26 | 72 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 |
| 27 | 72 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 |
| 28 | 72 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 |
| 29 | 71 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 |
| 30 | 70 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 |
| 31 | 70 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 |

| Month | Est. 9 | Est. 5 | Est. 6 | Est. 8 | Est. 10 | Est. 11 | Est. 13 | 58.0 | 16.5 | 1.020 | 3,450 | 8,720 | 16,130 | 7,680 |
|-------|--------|--------|--------|--------|---------|---------|---------|-------|-------|-------|--------|-------|--------|-------|
| Year | 553 | 298 | 369 | 1,92 | 555 | 676 | 771 | 1,020 | 3,450 | 8,720 | 16,130 | 7,680 | | |

Year 53.5
 Mean 38,717
 AGRICULTURE



| Day | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 33230 | 33560 | 33890 | 33205 | 33560 | 33890 | 33205 | 33560 | 33890 | 33205 | 33560 | 33890 |
| 2 | 33205 | 33890 | 33205 | 33890 | 33205 | 33890 | 33205 | 33890 | 33205 | 33890 | 33205 | 33890 |
| 3 | 33205 | 33890 | 33205 | 33890 | 33205 | 33890 | 33205 | 33890 | 33205 | 33890 | 33205 | 33890 |
| 4 | 33180 | 34120 | 34230 | 33730 | 34120 | 34230 | 33730 | 34120 | 34230 | 33730 | 34120 | 34230 |
| 5 | 33305 | 34145 | 34590 | 33650 | 34145 | 34590 | 33650 | 34145 | 34590 | 33650 | 34145 | 34590 |
| 6 | 33280 | 34145 | 34665 | 33545 | 34145 | 34665 | 33545 | 34145 | 34665 | 33545 | 34145 | 34665 |
| 7 | 33255 | 34145 | 34665 | 33545 | 34145 | 34665 | 33545 | 34145 | 34665 | 33545 | 34145 | 34665 |
| 8 | 33305 | 34095 | 34915 | 33615 | 34095 | 34915 | 33615 | 34095 | 34915 | 33615 | 34095 | 34915 |
| 9 | 33305 | 34095 | 34915 | 33615 | 34095 | 34915 | 33615 | 34095 | 34915 | 33615 | 34095 | 34915 |
| 10 | 33305 | 34070 | 34980 | 33615 | 34070 | 34980 | 33615 | 34070 | 34980 | 33615 | 34070 | 34980 |
| 11 | 33305 | 34070 | 34980 | 33615 | 34070 | 34980 | 33615 | 34070 | 34980 | 33615 | 34070 | 34980 |
| 12 | 33305 | 34070 | 34980 | 33615 | 34070 | 34980 | 33615 | 34070 | 34980 | 33615 | 34070 | 34980 |
| 13 | 33305 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 |
| 14 | 33355 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 |
| 15 | 33355 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 |
| 16 | 33355 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 |
| 17 | 33355 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 |
| 18 | 33355 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 |
| 19 | 33330 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 |
| 20 | 33330 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 |
| 21 | 33330 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 |
| 22 | 33280 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 |
| 23 | 33280 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 |
| 24 | 33255 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 |
| 25 | 33255 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 |
| 26 | 33180 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 |
| 27 | 33155 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 |
| 28 | 33155 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 |
| 29 | 33130 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 |
| 30 | 33130 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 |
| 31 | 33130 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 | 33615 | 34605 | 35480 |

| | | | | | | | | | |
|------|--|--|--|--|--|--|--|--|--|
| Year | | | | | | | | | |
| Per- | | | | | | | | | |



| Day | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. |
|-----|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1 | 504 | 504 | 504 | 504 | 504 | 481 | 490 | 576 | 961 | 495 | 1880 | 1880 |
| 2 | 504 | 504 | 504 | 504 | 504 | 7 | 490 | 576 | 966 | 567 | 1880 | 1100 |
| 3 | 504 | 504 | 504 | 504 | 504 | 7 | 490 | 576 | 930 | 816 | 1870 | 1170 |
| 4 | 509 | 509 | 509 | 509 | 509 | 7 | 490 | 576 | 900 | 920 | 1870 | 1170 |
| 5 | 509 | 509 | 509 | 509 | 509 | 7 | 486 | 495 | 870 | 821 | 1860 | 1160 |
| 6 | 504 | 504 | 504 | 504 | 504 | 7 | 486 | 500 | 826 | 738 | 1850 | 1160 |
| 7 | 504 | 504 | 504 | 504 | 504 | 7 | 486 | 509 | 816 | 689 | 1850 | 1160 |
| 8 | 509 | 509 | 509 | 509 | 509 | 7 | 486 | 509 | 797 | 655 | 1860 | 1150 |
| 9 | 509 | 509 | 509 | 509 | 509 | 7 | 406 | 101 | 777 | 630 | 1840 | 1060 |
| 10 | 509 | 509 | 509 | 509 | 509 | 7 | 490 | 214 | 758 | 610 | 1730 | 981 |
| 11 | 509 | 509 | 509 | 509 | 509 | 7 | 528 | 409 | 748 | 650 | 1490 | 981 |
| 12 | 509 | 509 | 509 | 509 | 509 | 7 | 528 | 567 | 748 | 797 | 1470 | 981 |
| 13 | 461 | 509 | 509 | 509 | 509 | 7 | 528 | 704 | 738 | 890 | 1430 | 925 |
| 14 | 509 | 509 | 509 | 509 | 509 | 7 | 528 | 802 | 708 | 875 | 1430 | 806 |
| 15 | 509 | 509 | 509 | 509 | 509 | 7 | 490 | 885 | 694 | 981 | 1430 | 748 |
| 16 | 509 | 509 | 509 | 509 | 509 | 7 | 490 | 971 | 674 | 1060 | 1420 | 669 |
| 17 | 509 | 509 | 509 | 509 | 509 | 7 | 490 | 1060 | 635 | 1070 | 1410 | 581 |
| 18 | 509 | 509 | 509 | 509 | 509 | 7 | 490 | 1060 | 606 | 1090 | 1400 | 1620 |
| 19 | 509 | 509 | 509 | 509 | 509 | 7 | 490 | 1200 | 625 | 1220 | 1310 | 1490 |
| 20 | 509 | 509 | 509 | 509 | 509 | 7 | 490 | 1380 | 610 | 1610 | 1180 | 778 |
| 21 | 509 | 509 | 509 | 509 | 509 | 6 | 490 | 1380 | 610 | 1850 | 1180 | 683 |
| 22 | 509 | 509 | 509 | 509 | 509 | 6 | 490 | 1380 | 596 | 1880 | 1170 | 935 |
| 23 | 509 | 509 | 509 | 509 | 509 | 6 | 490 | 1340 | 572 | 1930 | 1170 | 693 |
| 24 | 509 | 509 | 509 | 509 | 509 | 6 | 490 | 1250 | 572 | 1930 | 1160 | 552 |
| 25 | 509 | 509 | 509 | 509 | 509 | 6 | 490 | 1020 | 562 | 1930 | 1110 | 552 |
| 26 | 509 | 509 | 509 | 509 | 509 | 6 | 490 | 930 | 572 | 1920 | 976 | 562 |
| 27 | 509 | 509 | 509 | 509 | 509 | 6 | 490 | 930 | 533 | 1910 | 971 | 660 |
| 28 | 509 | 509 | 509 | 509 | 509 | 6 | 490 | 930 | 538 | 1910 | 971 | 699 |
| 29 | 509 | 509 | 509 | 509 | 509 | 6 | 349 | 930 | 543 | 1910 | 971 | 581 |
| 30 | 509 | 509 | 509 | 509 | 509 | 6 | 500 | 930 | 495 | 1900 | 971 | 557 |
| 31 | 509 | 509 | 509 | 509 | 509 | 6 | 481 | 925 | 495 | 1900 | 971 | 557 |

| | |
|-------------|---------|
| Year | 1990 |
| Month | Sept. |
| Day | 30 |
| Hour | 12:00 |
| Minute | 00 |
| Second | 00 |
| Temperature | 6.0 |
| Humidity | 78.1 |
| Wind | 4,800 |
| Pressure | 30.020 |
| Altitude | 9,450 |
| Latitude | 47.390 |
| Longitude | 127.409 |





YEAR 1950
ACRES-FRONT 744,530
MEAN 1,029

| | | | | | | | | | | | | |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| MEAN | 879 | 632 | 451 | 386 | 562 | 905 | 1,114 | 1,171 | 1,212 | 1,604 | 1,778 | 1,277 |
| ACRES-FRONT | 54,020 | 37,620 | 27,710 | 23,710 | 31,220 | 55,640 | 68,080 | 90,160 | 72,110 | 98,600 | 109,300 | 75,970 |

| Day | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. |
|-----|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1 | 880 | 920 | 384 | 388 | 370 | 963 | 885 | 1350 | 1570 | 930 | 2230 | 1310 |
| 2 | 880 | 1000 | 400 | 380 | 360 | 963 | 885 | 1330 | 1600 | 900 | 2220 | 1410 |
| 3 | 879 | 985 | 409 | 335 | 350 | 1150 | 879 | 1380 | 1510 | 1100 | 2230 | 1460 |
| 4 | 885 | 970 | 422 | 324 | 375 | 1130 | 885 | 1360 | 1440 | 1350 | 2220 | 1510 |
| 5 | 910 | 940 | 372 | 400 | 350 | 927 | 903 | 1290 | 1390 | 1310 | 2220 | 1520 |
| 6 | 880 | 900 | 356 | 430 | 345 | 909 | 903 | 1360 | 1360 | 1200 | 2200 | 1520 |
| 7 | 880 | 880 | 364 | 430 | 340 | 897 | 915 | 1340 | 1340 | 1160 | 2200 | 1510 |
| 8 | 885 | 900 | 338 | 413 | 330 | 897 | 933 | 1320 | 1290 | 1110 | 2200 | 1500 |
| 9 | 885 | 890 | 372 | 380 | 330 | 885 | 843 | 1290 | 1290 | 1070 | 2200 | 1490 |
| 10 | 885 | 880 | 392 | 350 | 325 | 813 | 933 | 1280 | 1280 | 1050 | 2160 | 1340 |
| 11 | 885 | 875 | 376 | 400 | 325 | 879 | 951 | 1090 | 1090 | 1040 | 1880 | 1340 |
| 12 | 885 | 873 | 388 | 439 | 320 | 891 | 969 | 1230 | 1230 | 1130 | 1850 | 1350 |
| 13 | 867 | 900 | 384 | 430 | 315 | 891 | 981 | 1380 | 1260 | 1300 | 1790 | 1360 |
| 14 | 831 | 660 | 392 | 434 | 310 | 873 | 981 | 1490 | 1220 | 1310 | 1780 | 1360 |
| 15 | 891 | 400 | 368 | 430 | 320 | 873 | 981 | 1540 | 1190 | 1310 | 1760 | 1160 |
| 16 | 885 | 470 | 356 | 409 | 350 | 873 | 993 | 1620 | 1170 | 1480 | 1740 | 1050 |
| 17 | 879 | 400 | 328 | 409 | 439 | 879 | 1060 | 1750 | 1100 | 1480 | 1730 | 1250 |
| 18 | 879 | 404 | 372 | 409 | 795 | 879 | 1110 | 1820 | 1110 | 1530 | 1720 | 2200 |
| 19 | 873 | 434 | 404 | 396 | 897 | 897 | 1180 | 2050 | 1110 | 1840 | 1560 | 1470 |
| 20 | 873 | 409 | 840 | 384 | 939 | 891 | 1200 | 2080 | 1080 | 2160 | 1520 | 939 |
| 21 | 873 | 409 | 800 | 370 | 957 | 891 | 1240 | 2110 | 1080 | 2200 | 1510 | 1220 |
| 22 | 879 | 409 | 780 | 360 | 969 | 897 | 1360 | 2090 | 1080 | 2260 | 1540 | 1260 |
| 23 | 879 | 409 | 820 | 340 | 981 | 891 | 1580 | 1940 | 1050 | 2260 | 1520 | 921 |
| 24 | 873 | 400 | 820 | 350 | 969 | 895 | 1720 | 1750 | 1040 | 2260 | 1500 | 933 |
| 25 | 873 | 423 | 511 | 360 | 981 | 910 | 1730 | 1520 | 1040 | 2260 | 1360 | 927 |
| 26 | 873 | 423 | 328 | 370 | 981 | 910 | 1630 | 1510 | 1050 | 2250 | 1310 | 939 |
| 27 | 879 | 353 | 426 | 375 | 969 | 885 | 1560 | 1510 | 1000 | 2240 | 1310 | 1080 |
| 28 | 873 | 400 | 448 | 375 | 981 | 885 | 1560 | 1510 | 1000 | 2250 | 1310 | 1080 |
| 29 | 879 | 413 | 413 | 380 | 981 | 761 | 1560 | 1490 | 980 | 2250 | 1310 | 1000 |
| 30 | 879 | 388 | 388 | 375 | 981 | 761 | 1500 | 1470 | 960 | 2240 | 1310 | 993 |

| Day | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. |
|-----|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1 | 1170 | 1230 | 717 | 699 | 676 | 1230 | 1210 | 1210 | 1210 | 1360 | 1330 | 2630 |
| 2 | 1170 | 1100 | 707 | 702 | 656 | 1210 | 1280 | 2380 | 2110 | 1470 | 2660 | 1880 |
| 3 | 1160 | 1310 | 726 | 614 | 665 | 1450 | 1320 | 2360 | 2210 | 1810 | 2660 | 1960 |
| 4 | 1170 | 1310 | 768 | 581 | 718 | 1450 | 1320 | 2360 | 2210 | 1790 | 2630 | 1980 |
| 5 | 1230 | 1260 | 728 | 614 | 656 | 1210 | 1330 | 2260 | 2100 | 1630 | 2630 | 1910 |
| 6 | 1160 | 1210 | 706 | 727 | 636 | 1230 | 1360 | 1650 | 2100 | 1630 | 2610 | 1910 |
| 7 | 1160 | 1230 | 716 | 718 | 646 | 1210 | 1390 | 1790 | 2100 | 1580 | 2610 | 1960 |
| 8 | 1170 | 1210 | 669 | 769 | 636 | 1210 | 1410 | 1860 | 202 | 1500 | 2630 | 1920 |
| 9 | 1170 | 1260 | 677 | 661 | 608 | 1210 | 1400 | 1920 | 1910 | 1470 | 2610 | 1910 |
| 10 | 1170 | 1230 | 757 | 646 | 618 | 1190 | 1410 | 2280 | 1880 | 1420 | 2280 | 1750 |
| 11 | 1160 | 1230 | 706 | 722 | 656 | 1190 | 1410 | 2280 | 1880 | 1500 | 2220 | 1810 |
| 12 | 1160 | 1260 | 714 | 781 | 608 | 1230 | 1480 | 2110 | 1910 | 1680 | 2110 | 1750 |
| 13 | 1160 | 1290 | 745 | 812 | 618 | 1190 | 1470 | 2590 | 1790 | 1680 | 2110 | 1630 |
| 14 | 1120 | 1030 | 694 | 771 | 589 | 1170 | 1410 | 2710 | 1730 | 1650 | 2110 | 1530 |
| 15 | 1200 | 720 | 812 | 711 | 718 | 1170 | 1470 | 2800 | 1730 | 1860 | 2120 | 1400 |
| 16 | 1190 | 812 | 666 | 702 | 718 | 1200 | 1520 | 3060 | 1680 | 1830 | 2100 | 1390 |
| 17 | 1200 | 772 | 652 | 712 | 728 | 1170 | 1630 | 2930 | 1600 | 1880 | 2100 | 1560 |
| 18 | 1190 | 608 | 737 | 712 | 718 | 1170 | 1770 | 3040 | 1600 | 1900 | 2080 | 2820 |
| 19 | 1190 | 721 | 698 | 707 | 976 | 1190 | 1770 | 3210 | 1600 | 1900 | 2080 | 1960 |
| 20 | 1200 | 763 | 1010 | 678 | 1200 | 1210 | 1920 | 3210 | 1630 | 2210 | 1920 | 1880 |
| 21 | 1190 | 752 | 1150 | 670 | 1230 | 1210 | 1910 | 3210 | 1560 | 2590 | 1860 | 1280 |
| 22 | 1190 | 712 | 1080 | 665 | 1210 | 1200 | 1980 | 3420 | 1550 | 2700 | 1910 | 1550 |
| 23 | 1210 | 712 | 1080 | 650 | 1270 | 1200 | 2220 | 3420 | 1550 | 2700 | 1920 | 1680 |
| 24 | 1210 | 773 | 1250 | 630 | 1270 | 1200 | 2570 | 3100 | 1500 | 2680 | 1920 | 1280 |
| 25 | 1190 | 719 | 772 | 610 | 1210 | 1210 | 2780 | 2820 | 1470 | 2680 | 1920 | 1270 |
| 26 | 1200 | 810 | 570 | 650 | 1210 | 1210 | 2710 | 2530 | 1480 | 2700 | 1750 | 1300 |
| 27 | 1210 | 608 | 696 | 670 | 1230 | 1200 | 2680 | 2470 | 1500 | 2660 | 1700 | 1470 |
| 28 | 1200 | 719 | 719 | 680 | 1230 | 1200 | 2630 | 2110 | 1410 | 2660 | 1720 | 1380 |
| 29 | 1210 | 717 | 707 | 678 | 1230 | 1160 | 2700 | 2110 | 1420 | 2660 | 1720 | 1450 |
| 30 | 1200 | 652 | 712 | 656 | 1200 | 1090 | 2570 | 2120 | 1400 | 2630 | 1720 | 1450 |
| 31 | 1200 | 1200 | 612 | 665 | 1270 | 1210 | 2380 | 2380 | 1400 | 2630 | 1720 | 1450 |

| DEBAR | ACRE- |
|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|
| 1,182 | 72,670 | 975 | 58,000 | 776 | 47,700 | 691 | 42,190 | 851 | 47,290 | 1,215 | 74,720 | 1,792 | 106,700 |
| 2,009 | 123,500 | 2,558 | 157,300 | 1,813 | 107,900 | 2,009 | 123,500 | 2,558 | 157,300 | 1,813 | 107,900 | 2,009 | 123,500 |
| 2,170 | 133,400 | 2,679 | 99,930 | | | | | | | | | | |

MEAN
 1,480
 AGED-FRST
 1,071,600

U.S. GOVERNMENT PRINTING OFFICE



| Day | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. |
|-----|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1 | | | | | | | | 3120 | 4600 | 692 | 1620 | 1160 |
| 2 | | | | | | | | 3390 | 4000 | 803 | 1580 | 1260 |
| 3 | | | | | | | | 3390 | 3410 | 1110 | 1630 | 1290 |
| 4 | | | | | | | | 3200 | 3320 | 1250 | 1730 | 1310 |
| 5 | | | | | | | | 2290 | 3320 | 1100 | 1730 | 1300 |
| 6 | | | | | | | | 2670 | 3390 | 1020 | 1710 | 1360 |
| 7 | | | | | | | | 2960 | 3560 | 880 | 1780 | 1420 |
| 8 | | | | | | | | 3210 | 3410 | 724 | 1840 | 1510 |
| 9 | | | | | | | | 3580 | 3230 | 700 | 1980 | 1360 |
| 10 | | | | | | | | 3820 | 3210 | 660 | 1780 | 1350 |
| 11 | | | | | | | | 4170 | 3530 | 636 | 1630 | 1520 |
| 12 | | | | | | | | 4380 | 3730 | 758 | 1790 | 1420 |
| 13 | | | | | | | | 4250 | 3440 | 794 | 1550 | 1380 |
| 14 | | | | | | | | 4540 | 2880 | 732 | 1550 | 1280 |
| 15 | | | | | | | | 5120 | 2540 | 821 | 1520 | 1190 |
| 16 | | | | | | | | 6280 | 2420 | 880 | 1470 | 1150 |
| 17 | | | | | | | | 6340 | 2090 | 910 | 1540 | 1160 |
| 18 | | | | | | | | 5700 | 2020 | 974 | 1550 | 2140 |
| 19 | | | | | | | | 5750 | 2370 | 1110 | 1400 | 1780 |
| 20 | | | | | | | | 5830 | 2290 | 1470 | 1360 | 1190 |
| 21 | | | | | | | | 6120 | 2230 | 1570 | 1340 | 1260 |
| 22 | | | | | | | | 6530 | 2150 | 1830 | 1420 | 1470 |
| 23 | | | | | | | | 5580 | 1930 | 1840 | 1540 | 1110 |
| 24 | | | | | | | | 4780 | 1780 | 1830 | 1600 | 1080 |
| 25 | | | | | | | | 4250 | 1680 | 1780 | 1470 | 1020 |
| 26 | | | | | | | | 4300 | 1460 | 1660 | 1220 | 1030 |
| 27 | | | | | | | | 4380 | 1170 | 1710 | 1190 | 1150 |
| 28 | | | | | | | | 4120 | 1080 | 1790 | 1220 | 1260 |
| 29 | | | | | | | | | 952 | | | |
| 30 | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | |

| | | | | | | |
|-------|---------|---------|-------|-------|-------|-------|
| Mean | 269,000 | 161,300 | 2,710 | 1,168 | 1,531 | 1,317 |
| Acres | | | | | | |
| Price | | | | | | |

674,670
 Mean
 Period

| Day | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. |
|-----|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1 | 1740 | 1900 | 1520 | 1200 | 1070 | 1900 | 1510 | 3200 | 6110 | 1070 | 1780 | 1100 |
| 2 | 1750 | 2000 | 1640 | 1220 | 1070 | 2050 | 1500 | 2950 | 6320 | 904 | 1780 | 1170 |
| 3 | 1770 | 2180 | 1620 | 1220 | 1070 | 2050 | 1480 | 3370 | 5900 | 950 | 1500 | 1200 |
| 4 | 1770 | 2250 | 1580 | 1150 | 1070 | 1950 | 1480 | 3060 | 5290 | 1450 | 1590 | 1280 |
| 5 | 1790 | 2200 | 1540 | 1100 | 1120 | 1750 | 1450 | 2720 | 4910 | 1730 | 1640 | 1290 |
| 6 | 1870 | 2030 | 1480 | 1130 | 1100 | 1850 | 1510 | 2160 | 4650 | 1690 | 1640 | 1290 |
| 7 | 1870 | 2020 | 1420 | 1160 | 1080 | 1850 | 1510 | 2100 | 4590 | 1520 | 1640 | 1380 |
| 8 | 1880 | 1950 | 1350 | 1180 | 1070 | 1850 | 1650 | 2100 | 4590 | 1520 | 1640 | 1460 |
| 9 | 1860 | 1940 | 1300 | 1180 | 1060 | 1850 | 1790 | 2830 | 4590 | 1220 | 1700 | 1450 |
| 10 | 1830 | 2070 | 1300 | 1100 | 1050 | 1700 | 1800 | 3060 | 4390 | 1050 | 1810 | 1450 |
| 11 | 1820 | 2080 | 1320 | 1080 | 1030 | 1750 | 1910 | 3430 | 4100 | 1010 | 1920 | 1380 |
| 12 | 1790 | 2100 | 1350 | 1250 | 1020 | 1810 | 2040 | 4160 | 4300 | 792 | 1690 | 1620 |
| 13 | 1770 | 2100 | 1350 | 1350 | 1000 | 1800 | 2270 | 4500 | 4530 | 803 | 1610 | 1680 |
| 14 | 1760 | 2070 | 1350 | 1450 | 1030 | 1820 | 2100 | 4790 | 4160 | 735 | 1600 | 1660 |
| 15 | 1780 | 1860 | 1350 | 1350 | 1200 | 1800 | 1990 | 5240 | 3470 | 670 | 1570 | 1620 |
| 16 | 1850 | 1770 | 1300 | 1350 | 1100 | 1800 | 1990 | 6030 | 3070 | 660 | 1500 | 1490 |
| 17 | 1840 | 1760 | 1280 | 1280 | 1200 | 1880 | 1930 | 7020 | 2870 | 665 | 1480 | 1570 |
| 18 | 1850 | 1690 | 1250 | 1180 | 1300 | 1850 | 2090 | 7380 | 2660 | 705 | 1490 | 2040 |
| 19 | 1880 | 1760 | 1300 | 1250 | 1400 | 1850 | 2230 | 7460 | 2800 | 760 | 1470 | 2630 |
| 20 | 1860 | 1580 | 1350 | 1150 | 1800 | 1850 | 2270 | 7560 | 3230 | 976 | 1360 | 2080 |
| 21 | 1860 | 1640 | 1700 | 1130 | 1910 | 1900 | 2370 | 7490 | 3100 | 1270 | 1310 | 1640 |
| 22 | 1850 | 1630 | 1800 | 1100 | 1890 | 1880 | 2350 | 7550 | 2930 | 1340 | 1320 | 1850 |
| 23 | 1850 | 1600 | 1750 | 1100 | 1850 | 1850 | 2670 | 7580 | 2760 | 1540 | 1500 | 1790 |
| 24 | 1850 | 1630 | 1750 | 1100 | 1880 | 1850 | 3070 | 7170 | 2490 | 1590 | 1600 | 1520 |
| 25 | 1840 | 1580 | 1900 | 1100 | 1800 | 1770 | 3580 | 6570 | 2320 | 1520 | 1680 | 1500 |
| 26 | 1840 | 1560 | 1700 | 1090 | 1860 | 1770 | 3580 | 6130 | 2250 | 1500 | 1520 | 1470 |
| 27 | 1840 | 1530 | 1150 | 1080 | 1850 | 1720 | 3830 | 5880 | 2250 | 1500 | 1460 | 1480 |
| 28 | 1870 | 1420 | 1300 | 1080 | 1850 | 1670 | 3740 | 5930 | 1990 | 1520 | 1360 | 1600 |
| 29 | 1860 | 1550 | 1300 | 1080 | 1620 | 1620 | 3770 | 5960 | 1740 | 1570 | 1290 | 1610 |
| 30 | 1900 | 1520 | 1300 | 1080 | 1620 | 1620 | 3860 | 5960 | 1580 | 1580 | 1270 | 1610 |
| 31 | 1900 | 1520 | 1300 | 1070 | 1510 | 1510 | 3860 | 5840 | 1580 | 1270 | 1270 | 1610 |

| | | | | | | | | | | | | |
|-------|---------|--------|--------|--------|---------|---------|---------|---------|--------|--------|--------|-------|
| MEAN | 1,832 | 1,821 | 1,637 | 1,169 | 1,344 | 1,816 | 2,274 | 5,063 | 3,763 | 1,175 | 1,539 | 1,550 |
| AGRE- | 108,400 | 88,360 | 71,900 | 74,640 | 111,700 | 135,300 | 311,300 | 223,900 | 72,220 | 94,610 | 92,230 | |
| ERR- | 112,640 | | | | | | | | | | | |

MEAN 2,068
 YEAR 1,497,200
 AGRE-PART

Year
or
Period
Mean
Acres-Fruit

| | | | | | | | | | |
|-------|--|--|--|--|--|--|--|--|--|
| Mean | | | | | | | | | |
| Acres | | | | | | | | | |

| Day | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. |
|-----|-------|-------|-------|------|------|------|-------|-------|-------|-------|-------|-------|
| 1 | 12129 | | | | | | | 13250 | 15229 | 15229 | 14733 | 11930 |
| 2 | 12129 | | | | | | | 13295 | 15260 | 15229 | 14624 | 11930 |
| 3 | | | | | | | | 13355 | 15260 | 15229 | 14407 | 11930 |
| 4 | | | | | | | | 13385 | 15275 | 15229 | 14300 | 11930 |
| 5 | | | | | | | 12999 | 13415 | 15275 | 15229 | 14195 | 11930 |
| 6 | | | | | | | | 13445 | 15275 | 15229 | 14090 | 11930 |
| 7 | | | | | | | | 13550 | 15275 | 15213 | 13985 | 11930 |
| 8 | | | | | | | | 13595 | 15275 | 15213 | 13880 | 11930 |
| 9 | | | | | | | | 13805 | 15275 | 15213 | 13775 | 11930 |
| 10 | 12172 | | | | | | | 13880 | 15275 | 15213 | 13685 | 11930 |
| 11 | 12172 | | | | | | | 13970 | 15275 | 15213 | 13580 | 11930 |
| 12 | 12172 | | | | | | | 14090 | 15291 | 15213 | 13490 | 11930 |
| 13 | 12172 | | | | | | | 14240 | 15291 | 15213 | 13385 | 11930 |
| 14 | 12172 | | | | | | | 14330 | 15291 | 15198 | 13280 | 11930 |
| 15 | 12172 | | | | | | | 14485 | 15275 | 15198 | 13175 | 11930 |
| 16 | 12187 | | 12491 | | | | | 14640 | 15275 | 15198 | 13071 | 11930 |
| 17 | 12187 | | | | | | | 14764 | 15275 | 15198 | 12970 | 11930 |
| 18 | 12187 | | | | | | | 14919 | 15260 | 15198 | 12868 | 11930 |
| 19 | 12187 | | | | | | | 15043 | 15260 | 15198 | 12767 | 11930 |
| 20 | 12187 | 12230 | | | | | | 13057 | 15260 | 15198 | 12665 | 11930 |
| 21 | 12187 | | | | | | | 13057 | 15198 | 15198 | 12564 | 11930 |
| 22 | 12187 | | | | | | | 13071 | 15275 | 15182 | 12462 | 11930 |
| 23 | 12187 | | | | | | | 13071 | 15291 | 15182 | 12361 | 11930 |
| 24 | 12187 | | | | | | | 13071 | 15291 | 15182 | 12259 | 11930 |
| 25 | 12187 | | | | | | | 13071 | 15291 | 15182 | | |
| 26 | 12187 | | | | | | | 13086 | 15275 | 15182 | 12158 | 11930 |
| 27 | 12187 | | | | | | | 13115 | 15275 | 15182 | 12158 | 11930 |
| 28 | 12187 | | | | | | | 13145 | 15275 | 15182 | 12158 | 11930 |
| 29 | 12187 | | | | | | | 13175 | 15229 | 15182 | 12158 | 11930 |
| 30 | 12187 | | | | | | | 13205 | 15229 | 15182 | 12158 | 11930 |
| 31 | 12187 | | | | | | | 15229 | 15229 | 14826 | 11930 | 11930 |

| | | | | | | | | | | | | |
|---------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| MEAN | 532 | 502 | 444 | 407 | 391 | 422 | 910 | 2,621 | 2,127 | 599 | 536 | 573 |
| ACRE- FEET | 32,700 | 29,870 | 27,290 | 25,000 | 21,710 | 25,940 | 54,170 | 161,200 | 126,600 | 36,830 | 32,980 | 34,120 |

YEAR
MEAN
ACRE-FOOT
608,410
840

| Day | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. |
|-----|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1 | 522 | 499 | 483 | 425 | 390 | 385 | 397 | 1400 | 2740 | 908 | 530 | 551 |
| 2 | 522 | 630 | 483 | 425 | 395 | 395 | 408 | 1380 | 2680 | 917 | 537 | 551 |
| 3 | 522 | 622 | 483 | 420 | 395 | 415 | 443 | 1780 | 2020 | 872 | 572 | 572 |
| 4 | 530 | 562 | 483 | 415 | 395 | 415 | 443 | 1800 | 2020 | 776 | 523 | 572 |
| 5 | 570 | 499 | 440 | 410 | 400 | 425 | 456 | 1770 | 2130 | 809 | 530 | 572 |
| 6 | 610 | 506 | 454 | 405 | 400 | 435 | 476 | 1790 | 2210 | 728 | 523 | 558 |
| 7 | 580 | 491 | 447 | 400 | 400 | 440 | 502 | 2070 | 2450 | 648 | 502 | 551 |
| 8 | 537 | 447 | 440 | 400 | 405 | 440 | 530 | 2260 | 2650 | 618 | 495 | 544 |
| 9 | 537 | 483 | 468 | 400 | 405 | 440 | 523 | 2440 | 2500 | 625 | 502 | 544 |
| 10 | 530 | 499 | 483 | 400 | 405 | 432 | 551 | 2650 | 2570 | 656 | 530 | 551 |
| 11 | 522 | 506 | 468 | 405 | 400 | 425 | 580 | 2730 | 2730 | 602 | 495 | 588 |
| 12 | 514 | 506 | 476 | 420 | 395 | 454 | 648 | 2870 | 3090 | 558 | 488 | 618 |
| 13 | 514 | 506 | 461 | 420 | 385 | 440 | 656 | 2900 | 3090 | 551 | 495 | 588 |
| 14 | 514 | 499 | 476 | 420 | 380 | 425 | 588 | 2840 | 2770 | 551 | 488 | 572 |
| 15 | 613 | 554 | 411 | 415 | 380 | 418 | 572 | 3070 | 2360 | 537 | 495 | 565 |
| 16 | 630 | 506 | 411 | 415 | 380 | 425 | 618 | 3180 | 2270 | 530 | 502 | 602 |
| 17 | 579 | 579 | 418 | 415 | 385 | 440 | 680 | 3590 | 2210 | 516 | 495 | 610 |
| 18 | 570 | 570 | 468 | 418 | 390 | 425 | 784 | 3210 | 1920 | 502 | 495 | 602 |
| 19 | 554 | 468 | 432 | 414 | 395 | 425 | 908 | 3140 | 1900 | 520 | 495 | 595 |
| 20 | 545 | 499 | 432 | 412 | 395 | 461 | 1030 | 2990 | 2060 | 495 | 595 | 595 |
| 21 | 506 | 483 | 431 | 410 | 395 | 440 | 953 | 2960 | 1880 | 488 | 588 | 588 |
| 22 | 499 | 483 | 430 | 405 | 390 | 425 | 971 | 3260 | 1920 | 482 | 572 | 572 |
| 23 | 499 | 483 | 425 | 400 | 385 | 418 | 1140 | 3210 | 1890 | 580 | 565 | 565 |
| 24 | 499 | 499 | 425 | 400 | 381 | 411 | 1360 | 2690 | 1700 | 588 | 818 | 558 |
| 25 | 506 | 499 | 420 | 395 | 380 | 418 | 1620 | 2470 | 1650 | 488 | 752 | 551 |
| 26 | 491 | 499 | 420 | 395 | 380 | 418 | 1780 | 2580 | 1700 | 502 | 595 | 551 |
| 27 | 499 | 432 | 425 | 390 | 380 | 418 | 1930 | 2740 | 1250 | 462 | 551 | 551 |
| 28 | 491 | 468 | 425 | 390 | 380 | 404 | 2090 | 3010 | 1110 | 476 | 551 | 551 |
| 29 | 491 | 476 | 430 | 390 | 380 | 397 | 2020 | 3020 | 1140 | 530 | 551 | 558 |
| 30 | 483 | 480 | 430 | 390 | 390 | 390 | 2020 | 3020 | 1140 | 537 | 551 | 551 |
| 31 | 476 | 476 | 430 | 390 | 390 | 390 | 2770 | 2690 | 953 | 537 | 551 | 656 |

| | | | |
|--------|-----|--------|-----|
| 18,530 | 301 | 18,530 | 301 |
| 18,200 | 306 | 18,200 | 306 |
| 15,180 | 247 | 15,180 | 247 |
| 12,900 | 210 | 12,900 | 210 |
| 11,710 | 211 | 11,710 | 211 |
| 11,660 | 238 | 11,660 | 238 |
| 29,880 | 502 | 29,880 | 502 |
| 55,470 | 902 | 55,470 | 902 |
| 56,870 | 956 | 56,870 | 956 |
| 32,550 | 529 | 32,550 | 529 |
| 23,520 | 382 | 23,520 | 382 |
| 19,590 | 329 | 19,590 | 329 |

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Sept |
|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| 1 | 301 | 283 | 296 | 285 | 220 | 208 | 215 | 227 | 1190 | 608 | 419 |
| 2 | 296 | 359 | 296 | 280 | 210 | 208 | 215 | 472 | 1060 | 601 | 419 |
| 3 | 296 | 386 | 296 | 270 | 210 | 208 | 217 | 472 | 888 | 664 | 414 |
| 4 | 329 | 319 | 319 | 260 | 210 | 208 | 220 | 466 | 815 | 738 | 408 |
| 5 | 374 | 310 | 310 | 250 | 210 | 208 | 218 | 478 | 831 | 693 | 408 |
| 6 | 319 | 280 | 319 | 250 | 210 | 208 | 218 | 478 | 864 | 622 | 397 |
| 7 | 319 | 310 | 310 | 250 | 210 | 208 | 216 | 454 | 947 | 588 | 397 |
| 8 | 310 | 305 | 310 | 262 | 210 | 210 | 215 | 472 | 1060 | 574 | 397 |
| 9 | 301 | 300 | 301 | 265 | 210 | 210 | 214 | 503 | 1070 | 568 | 408 |
| 10 | 301 | 300 | 301 | 270 | 210 | 210 | 213 | 581 | 1130 | 568 | 408 |
| 11 | 296 | 295 | 296 | 270 | 210 | 208 | 213 | 723 | 1210 | 554 | 402 |
| 12 | 292 | 292 | 292 | 270 | 210 | 208 | 213 | 888 | 1310 | 541 | 397 |
| 13 | 296 | 300 | 296 | 265 | 210 | 208 | 213 | 972 | 1220 | 528 | 386 |
| 14 | 375 | 360 | 375 | 260 | 210 | 208 | 213 | 1040 | 1050 | 516 | 380 |
| 15 | 370 | 350 | 370 | 220 | 210 | 210 | 212 | 1250 | 955 | 510 | 380 |
| 16 | 319 | 310 | 319 | 225 | 208 | 208 | 212 | 1420 | 897 | 497 | 375 |
| 17 | 305 | 310 | 305 | 225 | 208 | 208 | 212 | 1450 | 847 | 491 | 370 |
| 18 | 305 | 285 | 305 | 225 | 208 | 208 | 275 | 1490 | 938 | 497 | 364 |
| 19 | 301 | 270 | 301 | 225 | 208 | 208 | 292 | 1790 | 938 | 497 | 364 |
| 20 | 296 | 300 | 296 | 230 | 208 | 208 | 300 | 1710 | 1060 | 491 | 359 |
| 21 | 292 | 295 | 292 | 230 | 208 | 208 | 295 | 1310 | 989 | 478 | 349 |
| 22 | 292 | 290 | 292 | 230 | 208 | 208 | 214 | 1270 | 897 | 472 | 339 |
| 23 | 292 | 285 | 292 | 230 | 208 | 208 | 214 | 1160 | 880 | 466 | 354 |
| 24 | 283 | 295 | 283 | 230 | 208 | 208 | 214 | 1020 | 856 | 460 | 392 |
| 25 | 279 | 290 | 279 | 230 | 208 | 208 | 275 | 905 | 792 | 454 | 386 |
| 26 | 274 | 290 | 274 | 230 | 208 | 208 | 214 | 864 | 776 | 448 | 370 |
| 27 | 274 | 266 | 274 | 230 | 208 | 208 | 214 | 897 | 808 | 437 | 364 |
| 28 | 279 | 285 | 279 | 230 | 208 | 208 | 225 | 1010 | 753 | 431 | 354 |
| 29 | 283 | 290 | 283 | 230 | 208 | 208 | 217 | 1160 | 716 | 431 | 349 |
| 30 | 279 | 290 | 279 | 230 | 208 | 208 | 217 | 1220 | 664 | 425 | 344 |
| 31 | 279 | 230 | 279 | 230 | 208 | 208 | 217 | 1220 | 664 | 419 | 344 |

| Day | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. |
|-----|------|------|------|------|------|------|------|-----|------|------|------|-------|
| 1 | 169 | 250 | 265 | 260 | 230 | 311 | 126 | 531 | 317 | 36 | 58 | 71 |
| 2 | 178 | 268 | 267 | 215 | 230 | 321 | 146 | 487 | 313 | 44 | 60 | 73 |
| 3 | 174 | 304 | 274 | 236 | 230 | 326 | 462 | 466 | 295 | 66 | 69 | 75 |
| 4 | 176 | 304 | 274 | 236 | 230 | 326 | 462 | 466 | 295 | 66 | 69 | 75 |
| 5 | 184 | 290 | 272 | 250 | 230 | 324 | 493 | 444 | 270 | 133 | 71 | 79 |
| 6 | 189 | 279 | 268 | 270 | 240 | 326 | 533 | 430 | 255 | 151 | 66 | 88 |
| 7 | 233 | 277 | 274 | 280 | 240 | 342 | 565 | 418 | 240 | 105 | 64 | 84 |
| 8 | 263 | 267 | 263 | 250 | 250 | 342 | 588 | 386 | 226 | 84 | 64 | 86 |
| 9 | 258 | 258 | 265 | 240 | 250 | 333 | 618 | 365 | 229 | 71 | 67 | 84 |
| 10 | 255 | 267 | 293 | 240 | 260 | 342 | 629 | 340 | 223 | 71 | 71 | 84 |
| 11 | 253 | 274 | 295 | 240 | 270 | 356 | 627 | 333 | 192 | 69 | 72 | 93 |
| 12 | 252 | 282 | 291 | 250 | 260 | 373 | 631 | 311 | 160 | 66 | 67 | 104 |
| 13 | 246 | 284 | 288 | 270 | 260 | 388 | 627 | 272 | 145 | 68 | 68 | 102 |
| 14 | 246 | 286 | 291 | 270 | 270 | 408 | 605 | 269 | 138 | 69 | 69 | 101 |
| 15 | 268 | 291 | 290 | 250 | 260 | 434 | 586 | 291 | 120 | 68 | 72 | 112 |
| 16 | 277 | 297 | 272 | 240 | 260 | 454 | 577 | 335 | 97 | 68 | 68 | 101 |
| 17 | 270 | 300 | 265 | 220 | 260 | 460 | 584 | 337 | 89 | 66 | 72 | 95 |
| 18 | 263 | 297 | 270 | 220 | 260 | 458 | 594 | 333 | 91 | 66 | 68 | 91 |
| 19 | 257 | 279 | 281 | 220 | 260 | 462 | 609 | 375 | 102 | 68 | 64 | 88 |
| 20 | 257 | 275 | 282 | 220 | 230 | 478 | 636 | 404 | 100 | 64 | 64 | 88 |
| 21 | 257 | 275 | 260 | 220 | 230 | 491 | 634 | 468 | 101 | 60 | 62 | 87 |
| 22 | 255 | 275 | 234 | 220 | 220 | 510 | 618 | 492 | 101 | 66 | 62 | 87 |
| 23 | 257 | 277 | 230 | 210 | 210 | 514 | 629 | 489 | 97 | 66 | 62 | 83 |
| 24 | 253 | 282 | 210 | 210 | 210 | 516 | 658 | 456 | 87 | 67 | 63 | 84 |
| 25 | 250 | 293 | 210 | 210 | 210 | 502 | 675 | 422 | 75 | 64 | 63 | 83 |
| 26 | 248 | 295 | 240 | 230 | 228 | 478 | 682 | 388 | 72 | 58 | 66 | 83 |
| 27 | 248 | 284 | 260 | 230 | 236 | 458 | 678 | 377 | 68 | 56 | 64 | 86 |
| 28 | 240 | 268 | 280 | 220 | 220 | 444 | 667 | 360 | 68 | 56 | 64 | 86 |
| 29 | 252 | 265 | 280 | 220 | 220 | 416 | 651 | 339 | 62 | 56 | 64 | 88 |
| 30 | 252 | 265 | 280 | 220 | 220 | 416 | 651 | 339 | 62 | 56 | 64 | 88 |
| 31 | 248 | 263 | 270 | 220 | 220 | 408 | 609 | 320 | 44 | 59 | 69 | 91 |

| Year | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | 1964 |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Mean | 253 | 253 | 253 | 253 | 253 | 253 | 253 | 253 | 253 | 253 | 253 | 253 |
| Area | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 |
| Perimeter | 17,730 | 17,730 | 17,730 | 17,730 | 17,730 | 17,730 | 17,730 | 17,730 | 17,730 | 17,730 | 17,730 | 17,730 |

YEAR
MEAN
AREA
PERIMETER

PLATE NO. 50