STATE OF IDAHO

DEPARTMENT OF RECLAMATION

~~JAMES GROFFORD, COMMISSIONER~~

BOISE

~~HARRY BEWEY~~
~~DEPUTY COMMISSIONER~~

~~C. A. BOTTOLFSEN, GOVERNOR~~

January 9, 1941

HON. CHASE A. CLARK
Governor of Idaho
Boise, Idaho

Dear Sir:

I am transmitting to you, herewith, the annual report of Lynn Crandall, watermaster and special deputy Commissioner of Reclamation for water district No. 36 for the year 1940, covering his operations in the distribution and handling of water in this district. This work is conducted in cooperation with the Snake River water users, the United States Geological Survey and this department.

Water District No. 36 includes practically all the irrigated lands in the Snake River Valley having diversions above the Milner Dam, including the Twin Falls South Side, the Twin Falls North Side, and the Minidoka-Gooding Project.

Mr. Crandall's letter of transmittal to this department indicates that the natural flow supply in Snake River was quite low, but that with a few exceptions the stored water supply was sufficient for Canal needs. A carry-over of a total of nearly one half million acre feet in the various reservoirs is indicated in the report.

The snow conditions, at this time, in the Upper Snake River drainage area are some what above normal and this together with a fair reservoir carry-over will insure a sufficient water supply for the coming irrigation season.

Mr. Crandall has handled this work in his usual efficient and economical manner thus receiving the cooperation and approval of the water users, the Committee of Nine, and the Department of Reclamation.

Respectfully submitted,

E. V. Berg

E. V. BERG,
Commissioner of Reclamation.

STATE OF IDAHO

DEPARTMENT OF RECLAMATION

LYNN CRANDALL, WATERMASTER
IDAHO FALLS, IDAHO

WATER DISTRICT NO. 36

January 10, 1941

Chase A. Clark, Governor
E. V. Berg, Commissioner

January 10, 1941

Mr. E. V. Berg
Commissioner of Reclamation
State of Idaho
Boise, Idaho.

Dear Sir:

Herewith is the annual report of water deliveries, stream flow records, etc. in Water District No. 36 for 1940.

The available natural flow supply was the lowest that has occurred since 1934 but the supply of stored water was adequate for the needs of all except a few canals, so that, while some losses occurred in several local instances, the area affected by shortage was not large. Heavy September precipitation greatly reduced the need for late season water and resulted in an aggregate holdover of about 484,000 acre-feet in the reservoirs at the close of the season on September 30.

The stream gaging and water distribution work, as in past years, was carried on as a cooperative program by the U. S. Geological Survey, State of Idaho and Water District No. 36. The Geological Survey and the State contribute an amount that would ordinarily be spent on stream gaging work in the District and the balance is paid by the water users.

The interest and cooperation of your department in this work, as expressed through the actions of your predecessor Mr. James Spofford, has been most helpful and together with the assistance of the advisory Committee of Nine and numerous water users has been greatly appreciated.

Thanks are also due to the Bureau of Reclamation employees in charge of operations at the various reservoirs and to the snow surveyors, deputies, hydrographers, gage readers, river riders, gate tenders, etc. whose services have been so faithfully and willingly rendered, and particularly to W. V. Iorns and Effie C. Jones for their assistance in the preparation of this report.

Very truly yours,

LYNN CRANDALL

Watermaster.

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INTRODUCTION

The annual watermaster election of District 36 was held at Idaho Falls on March 4, 1940. Representatives of 61 canals with decreed rights of 38,782 sec.-ft. were present and participated in the election. Lynn Crandall was elected as watermaster and the following as members of the Committee of Nine:

F. A. Miller, Chairman; E. H. Neal, Vice-Chairman; John Kelley, E. A. Brookman, R. E. Shepherd, N. V. Sharp, Hyrum Severson, A. E. Stanger and Eph Ricks.

Advisory members: S. R. Marean, representing Bureau of Reclamation and F. C. Gillette representing Teton Basin; John Lee, Secretary.

Mr. W. O. Cotton who had been a member of the Committee since its organization in 1922 retired from membership in 1940.

The same schedule of stored water transmission losses that has been in effect for several years was again approved for the 1940 season, namely, 2½% Moran to Heise; 4.4% Heise to Lorenzo; 0.5% Lorenzo to Shelley; 6% Shelley to Blackfoot; 4% Henrys Lake to Island Park; 2% Island Park to Warm River; 0.5% Warm River to Ashton.

The 1940 water supply was considerably below normal and except for the large supply of stored water a serious shortage would have occurred. During the past 12 years there have only been 2 years, 1936 and 1938, when the run-off at Moran has been above normal while at Neeley 1928 was the last year that showed a normal run-off.

Delivery of storage in 1940 began on May 6 and continued until Sept. 21 when rains had so reduced the demand for irrigation that it was possible to fill all requirements and begin to store water in the

reservoirs. This is the earliest date in the fall that it has been possible to begin reservoir storage since 1927.

The canals in the District diverted 2,218,679 acre-feet of stored water during 1940 and would have diverted several hundred thousand acre-feet additional that they were holding for late season use but due to September rains this was not necessary and the season closed with substantial reservoir holdovers, although less than a year previous.

American Falls Reservoir filled on April 15, 1940 and spilled about 85,000 acre-feet past Milner between that date and May 4. This allowed the upstream reservoirs to retain the American Falls water that was being held in them at the close of the 1939 season plus the storage accumulated under later priorities than the American Falls right at Island Park and Grassy Lake reservoirs after Oct. 1, 1939.

Jackson Lake filled on June 13 but only because the gates had been kept closed and normal flow stored that belonged to prior rights below American Falls. This stored normal flow amounted to 231,674 acre-feet leaving 615,326 acre-feet available for allotment to the Jackson Lake reservoir rights. Release of stored water from Jackson Lake began on June 22 and continued until Sept. 20 when the gates were closed. River regulation began on May 6 when the so-called flood water rights of 1916 priority were cut off and storage draft began from American Falls Reservoir. Due to April rains in the upper valley, however, there wasn't much demand for early irrigation water and when regulation began on May 6 the upper valley canals were as a whole, only diverting about 1/3 of their old decreed rights.

Due to rains during the first ten days in June the irrigation demand decreased and 1916 rights were filled for 4 days from June 9-12 incl. After June 13 rights were steadily cut as the river flow decreased and irrigation demand increased until by Aug. 21 the April 6, 1889 rights were cut off. Rains during September made possible the restoration of rights from time to time. All 1889 rights were restored Sept. 11 and on Sept. 19 all rights above Blackfoot were restored. Services of the river riders were terminated Sept. 22 when it became apparent that further regulation would be unnecessary.

There was a heavy demand for rental of stored water which could not be supplied to the extent desired during August. About 75,000 acre-feet were rented at the rate of 35¢ per acre-ft. Probably another 10,000 acre-ft. could have been rented at this rate if it had been available early in August. The September rains, however, so reduced the anticipated need for the water that a number of the purchasers did not use all the water that they had rented.

There were a half dozen canals in the upper valley that were quite short of water during August. The farmers under these canals used their available water at that time principally on beets and potatoes so that the shortage was mostly felt on hay and pasture crops. These were later rejuvenated by the September rains so that the shortage that appeared imminent in August did not turn out to be as serious as then seemed likely although there were some crop losses under several of the canals.

On Sept. 30, 1940 there remained 264,380 acre-ft. in American Falls, 166,350 acre-ft. in Jackson Lake, 17,050 acre-ft. in Island Park, 36,428 acre-ft. in Henrys Lake, 519 acre-ft. in Grassy Lake

and -900 acre-ft. in Lake Walcott reservoirs. Lake Walcott was drawn down below O storage level the last of September to permit of work on a new power unit at Minidoka Dam. The small amount in Grassy Lake on Sept. 30 was drawn out early in October 1940 to allow repairs to the outlet gate.

The Bureau of Reclamation completed construction work on the Fremont-Madison projects and abandoned its Ashton office in November 1940.

PERSONNEL

The persons engaged in water distribution during the year were as follows:

Lynn Crandall,	Watermaster & Deputy Comm. of Recl.
W. V. Iorns,	Assoc. Engineer & Deputy Watermaster.
Melvin Luke,	Hydrographer & Dep. Watermaster at St. Anthony.
L. K. Homer,	Hydrographer during irrigation season.
F. W. Tolles,	Hydrographer during irrigation season.
Effie C. Jones,	Clerk.
I. V. Goslin,	Deputy Watermaster & Hydrographer, Teton Basin.
D. W. Archibald,	Deputy Watermaster, Henrys Fork.
J. Bohi,	Deputy Watermaster, Lower Teton River.
Walter C. Lenz,	Deputy Watermaster, Upper Fall River.
D. R. Crystal,	Deputy Watermaster, Heise Division.
H. M. Bramwell,	Deputy Watermaster, Rigby Division.
A. C. Kelly,	Deputy Watermaster, Idaho Falls Division.
E. Liljenquist,	Deputy Watermaster, Blackfoot Division.
S. R. Marean,	Supt. Minidoka Project, Minidoka Dam.
G. S. Gilham,	Deputy Watermaster, Milner Dam.
F. S. Thomas,	Swan Valley Division.
A. W. Heath,	Supt. American Falls Dam.
Glen Simmons	Supt. Jackson Lake Dam.
Geo. Pilcher,	Supt. Island Park Dam.

Mrs. Levi Stone, D. O. Rawson, Mrs. Irvin Siepert, J. F. Johnson, Manuel Lee, D. R. Anthony, James Fugal, J. A. Clough, T. E. Culley, A. J. Ayers, and S. P. Sorenson, gage readers.

SNOW SURVEYS

A summarized result of snow surveys on the Jackson Lake watershed during past years is shown in the following tabulation. Mr.

Glen Simmons succeeded B. B. Hill as Jackson Lake Res. Supt. late in December 1939 and made the 1940 snow surveys.

Table showing average snow depth and water content in inches on Jackson Lake watershed.
(Observations made 14-21st of each month)

	January		February		March		April	
Year	Snow	Water	Snow	Water	Snow	Water	Snow	Water
1919	36	8.1	45	12.0	52	16.8	49	18.4
1920	49	9.6	54	13.8	74	21.5	70	23.0
1921			63	17.9	65	20.6	56	21.3
1922	54	14.2	72	18.2	73	22.0	64	23.4
1923	43	11.3	51	15.6	64	20.7	54	23.0
1924	44	10.8	47	13.5	51	15.8	48	17.7
1925	50	12.8	66	24.0	75	25.9	50	21.9
1926	32	9.0	52	14.0	49	16.6	40	15.6
1927	66	18.5	75	27.0	82	33.0	85	36.0
1928	58	18.0	59	20.4	69	23.8	80	31.5
1929	37	8.8	60	16.5	61	20.2	62	22.0
1930	36	8.3	49	13.5	53	16.8	27	11.7
1931	25	5.2	30	6.2	35	8.4	27	8.9
1932	47	12.1	64	20.0	69	24.0	61	25.0
1933	46	10.8	67	18.8	67	21.6	62	24.0
1934	36	8.5	35	12.9	40	15.3	33	15.7
1935	51	12.2	46	14.3	52	17.9	60	23.8
1936	61	13.8	77	23.1	82	29.9	75	32.0
1937	39	8.4	60	16.2	60	19.7	61	24.3
1938	42	11.3	61	18.9	65	22.5	67	27.7
1939	46	11.6	69	20.4	74	24.0	42	19.1
1940	28	6.3	43	11.3	55	18.5	40	17.6
Average, inches	44	10.9	57	16.3	62	20.7	55	22.0

The above table is the average of results at Moran, Moran Canyon, Arizona Station, Huckleberry Divide, Snake River Station, Coulter Creek, Lewis Lake Divide, Aster Creek, and Glade Creek.

In February 1940 the Jackson Lake snow survey showed a water content of 67% of normal. By March this had increased to 89% of normal but by April had fallen to 80% of normal. The run-off of Snake River

at Moran, corrected for holdovers at Jackson Lake, was 77% of normal during the year ending Sept. 30, 1940.

Mr. Simmons also made the 1940 snow survey on the Buffalo River watershed. His results and those for earlier years are shown in the following tabulation:

Table showing average snow depths and water content in inches on Buffalo River watershed

Depth in inches

Year	Feb. 1-6		Mar. 23-29	
	Snow	Water	Snow	Water
1924	40	11.5		
1925	53	15.7		
1926	46	13.2		
1927	47	13.7		
1928	47	13.9		
1929	42	11.0		
1930	44	11.3		
1931	19	4.5		
1932	38	9.9		
1933	38	11.0		
1934	30	8.6		
1935	44	12.0		
1936	49	12.8	67	23.0
1937	35	9.1	49	15.3
1938	53	14.2	67	21.3
1939	48	13.0	56	19.0
1940	31	6.7	42	12.7
Average inches	41	11.3	56	18.2

The foregoing figures are the average of results obtained at Turpin Meadows, Four-Mile Meadows, Black Rock, Togwotee Pass and Brooks Lake.

The following measurements are supplied by the U. S. Dept. of Agriculture, Division of Irrigation, Soil Conservation Service, and were made by employees of the Forest Service, Bureau of Reclamation and National Park Service.

Depth in Inches

Station	Last of Dec. Snow	Last of Dec. Water	Last of Jan. Snow	Last of Jan. Water	Last of Feb. Snow	Last of Feb. Water	Last of Mar. Snow	Last of Mar. Water	Last of Apr. Snow	Last of Apr. Water
Island Park										
1936 Season	21	4.2	41	11.0	54	15.6	50	16.0		
1937 Season	25	3.0	44	9.0	51	14.6	48	14.5	33	12.0
1938 Season	26	5.9	37	8.2	48	11.9	64	19.5	18	7.6
1939 Season	24	4.9	48	10.1	53	14.4	33	11.2		
1940 Season	10	1.0	27	5.1	41	10.8	35	11.7		
Big Springs										
1936 Season	24	5.5	54	15.6	65	21.8	70	23.3		
1937 Season	26	3.4	52	10.5	63	17.6	59	20.2	41	17.3
1938 Season	28	6.4	40	9.6	53	14.7	72	23.3	32	12.0
1939 Season	31	7.8	48	11.4	60	18.3	50	17.8		
1940 Season	11	1.1	27	6.1	46	11.9	41	14.0		
Valley View Ranch										
1936 Season	22	5.0	-	-	-	-	58	19.8		
1937 Season	23	3.1	-	-	-	-	47	13.8	31	12.2
1938 Season	-	-	-	-	-	-	62	20.0	30	12.5
1939 Season	22	3.8	-	-	-	-	40	12.2	-	-
1940 Season	8	0.7	21	4.0	33	7.8	31	10.1		
Bechler Ranger Sta.										
1936 Season	40	9.6	71	20.6	87	29.1	87	31.0		
1937 Season	26	4.5	59	13.1	72	22.3	68	24.8		
1938 Season	32	8.2	52	14.0	59	18.9	91	29.4		
1939 Season	39	10.0	69	17.2	85	25.1	57	24.4	18	8.3
1940 Season	31	6.0	43	12.8	56	18.0	63	25.0	31	15.8
Teton Pass (Trail Creek)										
1936 Season	28	7.4	74	19.6	100	32.0	116	37.0		
1937 Season	-	-	41	11.4	62	20.0	72	24.2		
1938 Season	33	9.0	-	-	69	25.4	97	34.6		
1939 Season	49	13.2	55	16.0	78	26.4	77	28.6		
1940 Season	14	1.0	48	11.0	61	16.6	63	22.2		
State Line (Trail Creek)										
1936 Season	21	4.0	49	11.4	66	21.0	75	28.0		
1937 Season	-	-	32	8.1	45	12.6	42	15.0		
1938 Season	15	2.0	-	-	41	12.9	56	20.1		
1939 Season	31	6.1	34	7.1	46	12.1	35	12.8		
1940 Season	6	0.4	31	5.2	36	8.6	27	10.1		
Camp Creek (Mud Lake drainage)										
1936 Season	16	2.4	26	4.9	35	8.0	27	6.0		
1937 Season	32	3.6	34	6.3	31	8.5	39	10.8		

Station	Depth in Inches									
	Last of Dec.		Last of Jan.		Last of Feb.		Last of Mar.		Last of Apr.	
	Snow	Water	Snow	Water	Snow	Water	Snow	Water	Snow	Water
Camp Creek-cont'd (Mud Lake drainage)										
1938 Season	12	3.2	20	4.8	41	11.9	52	16.7		
1939 Season	11	2.3	22	4.1	32	7.3	17	4.8		
1940 Season	6	1.0	16	3.0	22	6.0	14	4.4		
East Rim (Hoback)										
1936 Season	10	1.7	-	-	-	-	62	22.6		
1937 Season	17	2.8	-	-	-	-	38	12.2	35	12.9
1938 Season	19	4.0	-	-	-	-	45	13.2	20	6.6
1939 Season	23	4.9	-	-	-	-	33	7.2		
1940 Season	-	-	-	-	-	-	25	7.0	24	6.0
Bryan Flat (Hoback)										
1936 Season	11	1.7	32	7.1	-	-	50	19.5		
1937 Season	14	2.3	19	4.9	33	8.1	30	10.2	14	5.6
1938 Season	13	2.8	21	5.5	26	6.7	39	11.4	0	0
1939 Season	17	3.9	30	6.6	31	8.4	24	8.0		
1940 Season	4	0.3	20	4.6	19	6.5	16	4.3		
Grover Park Divide (Salt River)										
1936 Season	-	-	46	12.6	46	15.8	69	19.6	-	-
1937 Season	23	4.1	24	4.5	36	10.8	36	11.4	-	-
1938 Season	16	4.2	25	5.6	25	7.9	42	12.4	-	-
1939 Season	-	-	23	6.4	36	9.4	20	7.6	-	-
1940 Season	-	-	26	6.6	31	9.9	25	9.8	-	-
CCC Camp FF12 (Salt River)										
1936 Season	-	-	35	10.7	53	17.1	65	22.7	-	-
1937 Season	17	3.5	22	4.4	36	9.2	35	12.3	-	-
1938 Season	18	4.4	30	6.7	32	8.4	43	13.2	-	-
1939 Season	-	-	29	5.7	36	10.1	21	7.8	-	-
1940 Season	-	-	26	5.9	27	8.8	22	8.4		
Afton Ranger Sta. (Salt River)										
1936 Season	-	-	28	8.0	26	10.2	10	9.8	-	-
1937 Season	11	2.4	13	2.4	19	4.5	7	2.9	-	-
1938 Season	7	1.3	11	2.3	10	2.9	0	0	-	-
1939 Season	-	-	23	3.7	25	6.2	0	0	-	-
1940 Season	-	-	15	2.8	9	2.8	0	0	-	-
Cottonwood Lake (Salt River)										
1936 Season	-	-	-	-	-	-	79	28.5	-	-
1937 Season	-	-	-	-	-	-	43	15.0	-	-
1938 Season	-	-	48	11.2	43	14.0	59	18.9	-	-

Station	Depth in Inches Last of Dec. Snow	Water	Last of Jan. Snow	Water	Last of Feb. Snow	Water	Last of Mar. Snow	Water	Last of Apr. Snow	Water
Cottonwood Lake-cont'd.										
1939 Season	-	-	-	-	-	-	36	15.4	-	-
1940 Season	-	-	-	-	-	-	37	13.8	-	-
Slug Cr.Divide (Blackfoot River)										
1936 Season	-	-	-	-	-	-	77	28.0	-	-
1937 Season	-	-	-	-	-	-	49	16.4	-	-
1938 Season	-	-	-	-	-	-	53	16.7	-	-
1939 Season	-	-	-	-	-	-	24	9.4	-	-
1940 Season	-	-	-	-	-	-	30	12.8	-	-
Greys Boundary (Greys River)										
1936 Season	-	-	38	9.3	46	15.0	50	18.9	-	-
1937 Season	-	-	25	3.0	40	10.3	31	11.6	-	-
1938 Season	16	3.9	29	6.9	29	8.6	32	12.4	-	-
1939 Season	-	-	41	8.0	44	13.3	23	7.6	0	0
1940 Season	-	-	29	7.2	28	9.5	14	6.1	-	-

The Snow Surveys at the end of March on the streams tributary to the river below Jackson Lake all indicated a deficient water supply. At many of the stations the snow measurements were the lowest recorded during the 5 years of available records and the indicated shortage in supply was borne out by the ensuing run-off of Snake River at Heise during 1940 which was only 70% of normal. The shortage was accentuated by very deficient precipitation during the snow melting month of May.

REGULATION SCHEDULE

The following schedule shows the priorities being filled on the main river and Henrys Fork during 1940. There were a few days about June 22-26 when rights on Henrys Fork and Fall River could not be filled to as late a priority as given in this schedule and after July 10 Teton River was regulated to an earlier priority schedule than Snake River. After the Oct. 11, 1900 rights were cut the river below American Falls was operated as a separate stream on the basis

of no natural flow being carried past Blackfoot. The natural flow water received each day by the lower canals during the regulation period is shown on Plates 12-13.

1940 REGULATION SCHEDULE

May 6	Cut off 1916 rights.
May 9	Cut off 1909 rights.
May 10	Cut off rights later than June 7, 1905.
May 14	Filled rights to Aug. 6, 1908.
May 15	Filled rights to May 20, 1912.
May 22	Cut off rights later than June 7, 1905.
May 29	Filled 1913 rights.
June 8	Filled 1915 rights.
June 9	Filled 1916 rights.
June 10	Filled part of 1921 rights.
June 13	Filled 1912 rights.
June 14	Filled part of June 16, 1908 right.
June 16	Filled part of Mar. 22, 1903 right.
June 18	Filled part of June 7, 1905 right.
June 20	Cut off rights later than Mar. 26, 1903.
June 24	Cut off rights later than Oct. 11, 1900.
June 25	Cut off all 1898 rights.
June 26	Cut off all rights later than Feb. 6, 1895.
June 27	Cut off all 1893 rights.
June 28	Cut off May 1, 1892 rights.
June 29	Filled 80% Dec. 14, 1891 right.
June 30	Filled 60% Dec. 14, 1891 right.
July 1	Filled 20% Dec. 14, 1891 right.
July 3	Filled 80% Dec. 14, 1891 right.
July 7	Filled 20% Dec. 14, 1891 right.
July 8	Cut off June 1, 1891 rights.
July 9	Filled 75% Jan. 24, 1891 right.
July 10	Cut off all 1891 rights.
July 11	Filled 75% Oct. 16, 1890 right.
July 12	Filled 25% Oct. 16, 1890 right.
July 13	Cut off rights later than July 1, 1890.
July 14	Cut off all 1890 rights.
July 15	Cut off rights later than July 1, 1889.
July 18	Filled 30% July 10, 1889 rights.
July 24	filled 70% June 1, 1889 rights.
July 25	Cut off June 1, 1889 rights.
July 29	Filled 80% May 11, 1889 right.
Aug. 1	Filled 70% May 11, 1889 right.
Aug. 2	Filled 60% May 11, 1889 right.
Aug. 3	Filled 50% May 11, 1889 right.
Aug. 5	Filled 40% May 11, 1889 right.
Aug. 7	Filled 30% May 11, 1889 right.
Aug. 9	Filled 10% May 11, 1889 right.
Aug. 10	Filled 50% May 1, 1889 right.
Aug. 11	Cut off Apr. 15, 1889 right.

Aug. 13	Filled 80% Apr. 6, 1889 right.
Aug. 19	Filled 60% Apr. 6, 1889 right.
Aug. 20	Filled 50% Apr. 6, 1889 right.
Aug. 21	Cut off Apr. 6, 1889 right.
Aug. 23	Filled 30% Apr. 6, 1889 right.
Aug. 24	Filled 60% Apr. 6, 1889 right.
Aug. 25	Filled Apr. 6, 1889 right.
Aug. 26	Filled 20% Apr. 15, 1889 right.
Aug. 27	Filled May 1, 1889 right.
Sept. 2	Filled 1/3 Apr. 15, 1889 right.
Sept. 4	Filled May 1, 1889 right.
Sept. 5	Filled 50% May 11, 1889 right.
Sept. 8	Filled 50% Apr. 15, 1889 right.
Sept. 9	Filled 50% May 11, 1889 right.
Sept.10	Filled 50% June 1, 1889 right.
Sept.11	Filled all 1889 rights.
Sept.12	Filled 1890 rights.
Sept.13	Filled 1891 rights.
Sept.14	Cut off 1890 rights on South Fork. Filled June 1, 1892 rights on Henrys Fork and Snake River below mouth of Henrys Fork.
Sept.19	Restored all rights on Henrys Fork and main river above Blackfoot.
Sept.21	Restored all rights and discontinued regulation.

The draining of Lake Walcott late in September considerably increased the supply available for lower valley canals at that time. The net gain during September between Neeley and Milner amounted to about 50,000 acre-feet and with a decreased demand due to rain it was possible to begin accumulation of storage at American Falls on Sept.21, 1940.

Storage at Jackson Lake began on Sept. 20 and at Grassy Lake on Oct. 6, 1940. Need for gate repairs required the draining of Grassy Lake late in September which was the reason for not beginning storage there at an earlier date. In accordance with the contract between the Government, the Utah Power & Light Co. and the City of Idaho Falls, storage at Island Park began on Nov. 15, 1940.

WATER SUPPLY

Run-off at some of the principal measuring stations during the year ending Sept. 30, 1940 is shown as follows:

Run-off in Acre-feet

Station	1940 Run-off	Average Run-off	Years of Record	1940 Percent of average
Snake at Moran	794,500	1,033,000	37	77
Snake nr. Heise	3,419,000	4,900,000	30	70
Snake at Neeley	3,554,000	5,764,000	44	62
Henrys Fk. at Warm River	643,000	718,000	26	89
Henrys Fk. nr. Rexburg	1,104,000	1,395,000	32	79
Fall River nr. Squirrel	537,000	539,000	27	100
Teton R. nr. St.Anthony	464,000	522,000	13	89

The run-off at Moran and Heise has been corrected for Jackson Lake holdovers, at Neeley for American Falls holdovers and at Rexburg and Warm River for Henrys Lake and Island Park holdovers.

The run-off on Fall River was 100% of normal, that of Henrys Fork above Warm River and Teton River nr. St.Anthony was 89% of normal. The run-off at the main Snake River stations was substantially less than at points on Henrys Fork and its tributaries, doubtless due in part to the large amount of underground storage held from previous years on the porous drainage areas of the latter streams.

During most of the irrigation season the available supply from natural flow was the least that has occurred since 1934. The unusual amount of precipitation after about Sept. 10, 1940, however, was markedly different from the scanty September precipitation in previous dry years and took care of the needs for late water for beets, pasture, hay, fall plowing, etc. which usually constitute quite a problem at the end of the season in dry years.

Users on some tributary creeks on the upper drainage area who could not be directly supplied with storage were, in some instances, quite short of water during the last half of the season. A few of the canals on the main river and Henrys Fork with inadequate storage supplies were obliged to either run on reduced heads or only part

time during August and early September and suffered some crop losses on that account.

The spill of 85,000 acre-feet past Milner after filling American Falls Reservoir in 1940 was the least that has occurred since 1935 which was the last year that American Falls Reservoir failed to fill. The maximum discharge at Heise in 1940 was 13,300 sec.-ft. on June 16. Only once in the past 37 years has there been a lower floodwater flow at Heise then occurred in 1940. That was in 1931 when the maximum discharge was 12,100 sec.-ft.

TRANSFERS AND EXCHANGES

The following permanent transfers of natural flow rights were granted by the Dept. of Reclamation in accordance with the procedure set out in the Idaho Statutes.

Transfer No. 611 - Harvey L. Wilson, 1.8 sec.-ft. various dates 1886 to 1891 transferred from Island Canal to Rudy Canal.

Transfer No. 612 - Federal Land Bank 1.5 sec.-ft. June 1, 1886 from Long Island Canal to Great Western Canal.

Transfer No. 614 - Island Irrig. Co., 1.0 sec.-ft. June 1, 1891 from Island Canal to Great Western Canal.

These transfers were approved by the watermaster on the basis of double the above mentioned quantities being transferred away from the Company in which the right had previously been held, one-half of same to go to the new canal and one-half to lapse to the river as a whole to compensate existing users for lesser return flow from the lands to which the water was being transferred.

Applications for transfers 611 and 612 were made by stockholders in the canal companies and were protested by the company officials

but were granted by the Commissioner of Reclamation after filing of briefs by attorneys for the interested parties.

Due to inability to procure any additional stored water for rental during the latter part of the season (prior to the Sept. rains) a few temporary natural flow transfers were allowed at that time between adjacent or nearby canals who were willing to help out their neighbors, and where it seemed apparent that no other users would be deprived of any water as a result of this temporary procedure. A few of the canals also followed the practice of shutting off their water at intervals after the 1898 rights were cut and received credit for 90% of any valid natural flow rights so released. Many of them were saving this water for use in late September but the rains rendered this unnecessary and about 5,000 acre-feet of water so accumulated still remained in Jackson Lake at the end of the season.

LITIGATION

In an uncontested summary suit against the watermaster, J. A. Young was awarded 2.4 sec.-ft. from Rock Creek July 1, 1903 priority, 0.8 sec.-ft. from Schaffer Creek July 1, 1903 priority and 0.2 sec.-ft. from an unnamed spring all for use on lands in T. 9 N., R. 45 E. B.M.

In Nov. 1940 L. N. Ballard, a landowner near Driggs, brought suit against the watermaster to have a correction made in the Rexburg decree, claiming an error was made in decreeing a certain right from Spring Creek when it should have been made from Fox Creek. The case had not been tried at the time of writing this report.

Decision by the U. S. Circuit Court of Appeals for the District of Columbia in the fall of 1940 was in favor of the Defendant in the case of Burley Irrigation Dist. vs. Ickes. This was on appeal by the Plaintiff from a similar decision in the District Court.

Early in September a group of water users under the Fall River Canal petitioned Governor Bottolfsen setting out that they felt they were being unjustly deprived of water to which they were entitled under their June 1, 1889 priority. They had made no previous complaint to the Watermaster. By the time the petition reached the Watermaster on Sept. 11 this right had been restored due to r ains and decreased use by prior rights. At the request of the Governor, Mr. Spofford made an investigation of the matter. The complaint arose principally out of the fact that an unusually large amount of water had been going past St.Anthony during August 1940. This was due to a combination of several causes,- 1.-The larger relative water supply on Henrys Fork, short supply on the main Snake River and cutting to early 1889 rights resulted in a larger draft than usual from Henrys Fork to fill prior rights on Snake River; 2.-The canals on Henrys Fork below St.Anthony had more stored water to run than they have had in past dry years; 3.-There was less natural flow exchanged on Henrys Fork for American Falls storage than for some years past due to rental of 10,000 acre-feet of lease water by the Fremont-Madison District to a canal on Snake River and to part of this Districts American Falls lease water being retained in American Falls Reservoir to offset adverse storage at Grassy Lake after the Grassy Lake right was cut; and 4.-To adverse

storage at Henrys Lake during May and June that was spilled during August to American Falls Reservoir to repay the water drawn therefrom during May and June by the rights that were prior to Henrys Lake right.

CANAL DELIVERIES

Daily diversions from the main river between Heise and Blackfoot for the months May to September incl. are shown on Plates 6 to 10 inclusive. No records were secured of the use by these canals during other months. Records of diversion by canals below American Falls are shown for the full 12 months on Plates 34 to 43 incl.

Canals above Shelley began to divert water for irrigation about May 6, while those between Shelley and Blackfoot started about May 1st. May was a dry month and by May 31 these canals above Blackfoot were diverting at about their peak rate for the season. Most of the lands in this section are irrigated by flooding between borders and quite large heads of water are used, if available, for the first irrigation each spring.

The lower valley canals started to irrigate about the middle of April.

The following tabulation shows the seasonal diversions and acreage served under the canals diverting from Snake River between Heise and Milner. A similar tabulation for canals on Henrys Fork and tributaries is shown in the chapter covering distribution on Henrys Fork. Complete season records were not kept of diversions by canals on the headwater areas although partial records in such areas are shown on Plate 23.

The figures on irrigated acreage in the following table were furnished, in most instances, by the various canal companies in reply to a questionnaire. Where no replies were received the figures were estimated by the watermaster from reports in past years and other information.

Diversions during 1940 irrigation season
(Snake River Canals)

Canal	Irr. season Diversions (acre-ft.)	Area under canal (acres)	Area drawing water 1940 (acres)	Diversions acre-ft. per acre, 1940
Riley	4,610	880	800	5.8
Anderson & Eagle Rock	218,000(a)	33,000	31,500	6.9
Farmers Friend	89,500	10,500	10,300	8.7
Enterprise	26,400	5,000	4,900	5.4
Nelson	347	80	50	6.9
Mattson-Craig	2,300	650	430	5.4
Arnsberger	223	200	120	1.9
Ross & Rand	1,050	150	130	8.1
Butler Island	13,200	1,400	1,100	12.0
Steele	2,000	290	240	8.3
Harrison	87,700	16,000	16,000	5.5
Cheney	1,120	2,480	180	6.2
Rudy & Boomer	46,700	5,500	5,000	9.3
Kite & Nord	1,060	235	140	7.6
Burgess	177,000	23,000	21,000	8.4
Clark & Edwards	19,600	1,945	1,700	11.5
Lowder & Jennings	7,200	1,200	900	8.0
East LaBelle	28,700	2,200	2,200	13.0
Sunnydell	25,800	3,626	3,553	7.2
Lenroot	30,100	3,800	3,800	7.9
Reid	32,700	5,000	5,000	6.5
Texas Feeder	57,800	8,500	7,000	8.3
Nelson Corey	2,930	640	440	6.7
Hill Pettinger	488	210	120	4.1
Rigby	45,100	4,000	4,000	11.3
Dilts	4,630	715	670	6.9
Island	32,700	3,500	3,000	10.9
W.LaBelle & Long Isl.	119,000	9,000	8,500	14.0
Parks & Lewisville	88,000	6,500	6,000	14.7
North Rigby	14,000	1,500	1,400	10.0
White	1,330	126	120	11.1
Ellis	738	120	100	7.4
Bramwell	1,760	400	220	8.0
Butte & Market Lake	57,000	18,000	17,000	3.4
Osgood	29,400	7,000	6,000	4.9
Bear Isl. & Smith	446	240	160	2.8

Canal	Irr. season diversions (acre-ft.)	Area under canal (acres)	Area drawing water 1940 (acres)	Diversions acre-ft. per acre, 1940
Idaho	243,000(a)	35,464	35,464	6.8
Kennedy	8,050	2,230	1,950	4.1
Gt. Western & Porter	154,000	26,600	25,000	6.2
Coy & Kellar	139	40	40	3.5
Woodville	16,400	3,000	3,000	5.5
Snake River Valley	123,000(a)	25,000	21,074	5.8
Reservation	192,360(b)	60,000	32,000	6.0
Blackfoot	68,200	15,000	13,000	5.2
New Lava Side	32,100	6,000	5,000	6.4
Peoples	97,000	20,000	18,500	5.2
Aberdeen	261,000	63,037	55,000	4.7
Corbett	34,300	7,927	6,000	5.7
Nielsen-Hansen	2,630	646	646	4.1
Riverside	28,100	5,000	5,000	5.6
Danskin	44,900	6,000	6,000	7.5
Trego	12,300	1,700	1,400	8.8
Wearyrick	13,700	1,600	1,500	9.1
Watson	30,200	4,880	4,800	6.3
Parsons	6,700	1,000	840	8.0
North Minidoka	419,060	65,076	54,286	7.7
South Minidoka	316,260	54,083	51,780	6.1
T.F.N.S. Project	935,440	170,000	155,000	6.0
Twin Falls Canal	1,028,470	202,700	202,700	5.1
Milner Low Lift	45,980	10,000	9,040	5.1
Gooding	402,270	89,500	53,850	7.5
Total	5,736,196	1,054,070	926,643	6.2

(a) Used some additional water from Willow & Sand Creeks.
(b) 76,000 from Snake R.; balance from Blackfoot R. and Sand Creek.

Diversions for upper valley canals are for period May to Sept.; lower valley canals April to Sept. incl.

The previous table gives diversions from the main river only. Those from Henrys Fork and tributaries are shown separately in the chapter on Henrys Fork water distribution.

The diversions by the Snake River canals in 1940 were 547,000 acre-feet less than during 1939. This was partly due to decreased water supply available but partly to weather conditions, particularly rains during September. Many canals that had an ample supply available for 1940 use did not divert as much as they did in 1939, in

fact on the main river there were only 9 small canals serving 3,000 acres and the Gooding Project serving 53,850 acres that diverted more water in 1940 than they did in 1939.

Canals below American Falls diverted 54% and upper valley canals 46% of the total diversions from the main river. If the diversions from Henrys F ork and the headwater creeks are also considered the total diversions in that part of District 36 above American Falls Reservoir was slightly greater than in the section below American Falls.

Canals above American Falls excluding Henrys Fork diverted 433,729 acre-ft.of storage or 16% of their total diversions. Canals below American Falls used 1,592,735 acre-feet of storage or 51% of their total diversions for the season. American Falls Reservoir barely filled and spilled only 85,000 acre-feet. If the canals had diverted as much water during April 1940 as they did during April 1939 American Falls Reservoir would not have quite filled in 1940. Abundant precipitation during April 1940 made it possible for them to defer heavy demands until after the reservoir filled about the middle of April.

The Idaho Power Co. drew 148,000 acre-ft. past Milner from Oct. 1, 1939 to April 10, 1940 and 16,493 acre-ft. of its 1940 primary storage during the period Aug. 23 to Sept. 30, 1940.

The following tabulation shows the amount of water used by months in various sections of the District during the past 10 years.

Diversions in Thousands of Acre-feet
Heise to Blackfoot

Year	May	June	July	Aug.	Sept.	Season
1931	411	546	490	360	226	2033
1932	379	563	687	579	384	2592
1933	226	756	674	527	387	2570

Diversions in Thousands of Acre-feet
Heise to Blackfoot-cont'd.

Year	May	June	July	Aug.	Sept.	Season
1934	548	359	399	275	211	1792
1935	276	684	662	445	326	2393
1936	489	619	677	520	420	2725
1937	392	600	658	520	361	2531
1938	356	680	628	592	465	2721
1939	585	620	691	564	393	2853
1940	548	630	594	462	289	2523
Average excluding 1931 & 1934	406	644	659	526	378	2613

Henrys Fork and Tributaries
(excluding headwater creeks)

1931	200	156	100	72	62	590
1932	205	222	192	152	98	869
1933	162	267	176	143	91	839
1934	165	117	86	48	42	459
1935	187	236	170	104	79	776
1936	218	217	178	138	106	857
1937	200	223	163	126	84	796
1938	185	238	180	159	119	881
1939	228	225	206	167	117	943
1940	230	213	182	136	92	853
Average excluding 1931 & 1934	202	230	181	141	98	852

1939-40 figures are after deduction for water spilled from Cross Cut Canal into Teton River.

Minidoka Project

Year	April	May	June	July	Aug.	Sept.	Season
1931	64	143	155	167	110	46	685
1932	35	125	140	173	159	111	743
1933	70	129	165	171	164	110	809
1934	43	97	71	101	36	12	360
1935	33	101	147	172	154	107	714
1936	26	169	128	169	150	99	741
1937	18	145	130	176	156	96	721
1938	32	147	145	145	167	113	749
1939	77	164	130	165	159	97	792
1940	35	162	156	173	159	50	735
Average excluding 1931 & 1934	41	143	143	168	158	98	751

North Side Canal Co. Project

1931	81	187	153	173	147	50	791
1932	72	157	174	217	212	157	989
1933	65	169	207	204	226	164	1035
1934	52	118	127	120	62	33	512
1935	15	151	194	212	161	100	833
1936	42	201	200	202	198	130	973

North Side Canal Co. Project-cont'd.

Year	April	May	June	July	Aug.	Sept.	Season
1937	40	176	185	228	218	126	973
1938	51	180	201	211	212	155	1010
1939	95	208	197	217	215	111	1043
1940	61	176	194	208	193	103	935
Average excluding 1931 & 1934	55	177	194	212	205	131	974
		Twin Falls Project					
1931	77	194	180	205	203	116	975
1932	48	155	160	212	223	173	971
1933	85	197	201	218	223	162	1086
1934	129	167	154	175	191	124	940
1935	36	167	178	202	210	159	952
1936	54	209	195	219	219	142	1038
1937	57	191	179	217	216	144	1004
1938	55	186	187	198	215	167	1008
1939	126	208	195	215	221	150	1115
1940	70	191	201	220	220	126	1028
Average excluding 1931 & 1934	66	188	187	213	218	153	1025
		Gooding Project					
1932	14	54	60	82	71	38	319
1933	2	43	58	70	58	45	276
1934	31	59	58	65	59	40	312
1935	3	54	65	67	57	1	247
1936	2	66	73	83	69	39	332
1937	10	60	66	75	68	43	322
1938	3	39	61	76	74	63	316
1939	31	76	69	79	75	53	383
1940	18	71	82	91	83	57	402
Average excluding Sept. 1935	13	58	66	76	68	47	328

May diversions were generally above normal particularly in the upper valley. During the entire period June to September in the section from Heise to Blackfoot the diversions were below normal due to shortage in supply. On Henrys Fork the diversions during these months were nearly up to the average for the past 10 years but substantially less than in 1939, the only other year that the Island Park storage has been available. On the Minidoka Project the only pronounced decrease in normal use was in September when due to rains and drawdown of Lake Walcott the diversions were only about 50% of

normal. On the North Side Project the July-Sept. diversions were a little below normal while on the Twin Falls Project only during Sept. were the diversions below average. On the Gooding Project the seasons diversions were the greatest that have ever occurred, this being the only sizable project on the river where this condition existed in 1940.

RIVER DATA

The segregation of flow at the various gaging stations showing stored water and normal flow at each point during the period of storage draft is shown on Plates 12-13. The methods used in computing these quantities, the segregation of flow between stored and normal at the reservoir outlets and the transmission losses charged to stored water are the same as have been used for some years past.

Due to the impracticability of measuring inflow to Jackson Lake the daily segregation of flow at the Lake outlet is made by taking the 24-hr. drop in lake level and converting same into sec.-ft. from the reservoir capacity table, subtracting this from the flow at the Moran station and calling the balance normal flow. Irregularities in day to day normal flow as thus computed, mostly as a result of wind effect on the lake gage, are smoothed out so as to give the same totals over the period of time being considered. This method of operation gives to the storage rights during the season at Moran an amount of stored water exactly equal to that shown by the reservoir capacity table. This is based on the fact, as disclosed by special investigations made some years ago, that reservoir evaporation and reservoir bank storage return approximately offset each other at Jackson Lake, considering the irrigation season as a whole. The losses are greatest, however, when the reservoir is full

while the drainage from bank storage comes back later on as the reservoir level is lowered. To correct for this situation and a similar one of temporary storage along the river bank when large increases are made in storage releases it has been the practice when first starting to release storage from Jackson Lake to lag behind several hundred sec.-ft. each day in making the natural flow cuts, borrowing stored water to make up the deficiency, until about 10,000 acre-ft. of storage has been so used. This is gradually recovered for the storage owners later on as Jackson Lake is drawn down and also at times when pronounced cuts are made in release of storage thereby allowing the river bank storage to drain into the stream.

Starting with the determined stored water flow each day at Moran and subtracting transmission losses and stored water diversions between river stations, and adding stored inflow from Market Lake springs and Henrys Fork the quantity of stored water is determined daily at each of the river stations as far downstream as Blackfoot where the residue of stored water that should be passing that point is listed on Plates 12-13 as "Theoretical balance stored at Blackfoot". When the 1900 rights are being filled this same quantity is taken as stored water at the Clough station, the balance there being called normal flow. After the 1900 rights are cut no natural flow is to be carried down the river past Blackfoot as there are no earlier priorities downstream. During the period that the 1900 rights are cut the natural flow at Clough is taken as 150 sec.-ft. plus inflow from Blackfoot River and the balance at Clough is called stored water. Based on past records it appears probable that

for 1940 conditions there would be about 150 sec.-ft. at Cloughs supplied from rising water immediately upstream, if the river was kept dry just below the lowest canal heading near Blackfoot. There were several days, Aug. 24-26 and again Sept. 5-7, when a little surplus natural flow spilled past Blackfoot due to unexpected changes in diversions by several canals, rains, etc.

During most of the period from May 2 to June 12, Jackson Lake dates, water was being stored in Jackson Lake that under the schedule of priorities in effect belonged to prior rights below American Falls. Due to the long period the total of this stored normal flow was greater than for several years past and amounted altogether to 231,674 acre-ft. Most of this water was spilled past Blackfoot at intervals throughout the season into American Falls Reservoir but there still remained about 47,000 acre-ft. of it in Jackson Lake at the close of the season. It was not all run down the river because it was not needed at American Falls and it will be available as Jackson Lake water in 1941 if American Falls Reservoir fills then.

The segregation of river flow and canal diversions between stored and normal flow shown on Plates 12-13 has been computed as if it had been possible to foresee each day in advance how much water should have been released from Jackson Lake to deliver the exact amount required by prior rights at Minidoka and Milner 5 days later. The figures shown on the Plates as minus storage quantities represent the equivalent at the particular measuring station of natural flow adversely retained at Jackson Lake. Under this method of tabulation, in effect, water is borrowed from American Falls reservoir and delivered as natural flow to downstream canals to the extent

that their rights are being infringed upon by storage at Jackson Lake. The stored natural flow at Jackson Lake is segregated when making the reservoir allotment and is delivered as needed to American Falls Reservoir to replace the borrowed water. Except for this practice of keeping all water possible in Jackson Lake and only running it down to American Falls when needed there wouldn't have been any water in the top half of Jackson Lake in 1940 and even the bottom rights would not have completely filled. Due to holdover of American Falls water in Jackson Lake at the end of the 1939 season the top rights in Jackson Lake in 1940 actually got about 177,000 acre-feet that they would not have otherwise received and which would merely have added to the spill past Milner in 1940 after filling American Falls Reservoir at an earlier date than it did fill.

Eight sets of measurements of the spring-water inflow to American falls Reservoir were made on or immediately adjacent to the following dates May 21, June 7, 21, July 11, 26, Aug. 8, 22, Sept.17. The flow of these springs is fairly constant and discharges were interpolated on days between the dates of measurement. A daily record was secured of the discharge of Portneuf River at Pocatello. The unmeasured inflow was computed from the Newell formula as 840 sec.-ft. plus 1/3 measured inflow. During most of the season when so computed the inflow amounted to a little less than 1280 sec.-ft. which figure was used except during September when rains increased the irrigation waste from the Aberdeen and Fort Hall projects. For several days beginning about Sept. 12 there was also quite an inflow from heavy rains on the slopes adjacent to the reservoir. The com-

puted inflow from Clough to Neeley so determined is given by days on Plate 11. These daily quantities added to the normal flow at Cloughs give the normal flow available each day at Neeley for delivery to downstream canals. Additional amounts diverted by such canals are called stored water. Thus the gain from Neeley to Milner is called stored water during the regulation period merely as a convenience in tabulation and segregation of flow between the canals. This gain fluctuates so much from day to day with changes in river flow and the levels of Lakes Walcott and Milner, waste from Minidoka Project, uncertain time intervals between stations, etc. that it is impossible to compute it with any accuracy by days. Daily computations of the gain would be necessary if it was tabulated as normal flow, whereas it can be calculated more readily as monthly totals and allotted in a lump amount as storage to the Minidoka Project.

STORED WATER DELIVERIES

American Falls rights were filled in full during 1940. While Jackson Lake filled by virtue of storing normal flow belonging to prior rights below American Falls there was no spill from Jackson Lake after it filled on June 13 that could have been retained for storage under the Jackson Lake priority. At the time Jackson Lake filled on June 13 it contained 231,674 acre-feet of stored normal flow for later delivery to American Falls Reservoir to replace water drawn therefrom and delivered as normal flow to the downstream canals that were entitled to the water adversely stored at Jackson Lake.

1940 JACKSON LAKE ALLOTMENT

Capacity	847,000	acre-feet
Stored normal flow	231,674	"
Available for allotment	615,326	"
Bottom rights in full	437,810	"
Available for top rights	177,516	" = 43.38% filled
Twin Falls Canal Co.	42,158	"
North Side Canal Co.	135,358	"

1940 STORAGE ALLOTMENTS - IN ACRE-FEET

(Downstream order from Heise)

Canal	J. Lake right	Am. Falls right	Am. Falls lease	Total allotment
Poplar Irr. Dist.	1,200	793	370	2,363
Progressive Irr. Dist.	0	14,609	7,533	22,142
Farmers Friend	2,000	0	0	2,000
Enterprise Canal Co.	6,100	10,509	4,908	21,517
Harrison	5,000	11,994	6,185	23,179
Rudy	2,000	2,000	1,031	5,031
Burgess	5,120	7,496	4,501	17,117
Lowder	1,040	0	0	1,040
Sunnydell	4,000	0	1,402	5,402
Lenroot	3,000	4,504	2,322	9,826
Reid	0	3,002	0	3,002
Dilts	0	1,034	533	1,567
Enterprise Irr. Dist.	0	12,000	10,604	22,604
Fremong-Madison Irr. Dist.	0	0	19,763	19,763
Butte & Market Lake	0	3,002	1,402	4,404
Osgood	0	15,852	8,175	24,027
Bear Island	0	225	105	330
Smith	0	79	41	120
Kennedy	355	0	0	355
Idaho	0	26,986	12,602	39,588
Martin	1,500	2,250	1,050	4,800
New Sweden	5,000	28,528	14,711	48,239
Woodville	0	9,000	4,200	13,200
Snake River Valley	15,000	27,643	12,909	55,552
Blackfoot	0	15,033	7,020	22,053
New Lavaside	0	0	714	714
Peoples	3,000	22,519	11,613	42,132
Aberdeen	42,685	41,333	33,467	117,485
Corbett	0	4,000	1,868	5,868
Trego	0	1,462	683	2,145
Minidoka	325,810	50,000	25,785	401,595
Milner Low Lift	0	34,113	15,931	50,044
Twin Falls Canal Co.	42,158	151,185	70,603	263,946
North Side Project	145,358	320,256	*151,562	617,176
Gooding	0	400,000	0	400,000
Idaho Power Co.	0	45,000	0	45,000
TOTAL	615,326	1,266,407	433,593	2,315,326

*Hillsdale 21,219; No.Side Pump Co. 6,848; N.S.Canal Co. 123,367; Am. Falls Res. Dist. surplus, 128.

In addition to the Jackson Lake and American Falls rights the Minidoka Project had 94,490 acre-feet in Lake Walcott on May 5th when storage draft began on American Falls Reservoir. The gain from Neeley to Milner during the period of storage draft by the Minidoka Project, amounting to 47,000 acre-ft., was also credited as storage to that project.

Jackson Lake equivalent of inflow from Market Lake Springs, amounting to 1,073 acre-feet, was sold to the Storage Pool.

The Osgood Canal was credited with 3,431 acre-feet discharged from Two Ocean Lake during the period June 12 to Sept. 11. The water from Emma Matilda Lake was all used on lands in Wyo. during 1940.

Daily storage diversions by the various canals on the main river are shown on Plate 14. This tabulation does not include any stored water used by canals on Henrys Fork and tributaries which are shown separately on Plate 22. This differs from tabulations in previous years when diversions of American Falls storage by Henrys Fork canals were shown on Plate 14. The small amount of leakage past Milner dam at times when the Idaho Power Co. was not drawing storage was not charged to any particular canals. It was absorbed as a partial offset against unallotted surplus storage items consisting of reservoir bank storage at American Falls and g ain Neeley to Milner after Sept. 13. These items are discussed in the chapter on river gains and losses.

For the convenience of the water users a storage pool was operated by the watermasters office which acted as a clearing house for the purchase and rental of storage. Details of the 1940 operations are shown in the following table.

STORAGE POOL OPERATIONS 1940

Acre-feet measured in Reservoirs:

Swan Valley users	2,409	acre-feet
Progressive District users	65	"
Enterprise users	80	"
Mattson-Craig users	47	"
Harrison Users	117	"
Cheney users	55	"
Rudy users	39	"
Kite & Nord users	95	"
Sunnydell Irr. Dist.	292	"
White-Cheney-Roth	77	"
Butte & Market Lake Canal Co.	3,073	"
Kennedy Ditch	1,296	"
New Sweden Users	354	"
Kellar Ditch	37	"
Snake River Valley Users	257	"
Reservation Canal users	906	"
Aberdeen	17,649	"
Burley Irr. Dist.	17,500	"
North Side Canal Co.	7,500	"
Users above Island Park Res.	520	"
Teton Basin users	9,256	"
Total	61,624	"

Secured from:

Arnsberger (Kremer)	*66	"
Market Lake Springs	1,073	"
Twin Falls Canal Co.	45,000	"
Woodville Canal Co.	1,600	"
10% Penalty on stored normal	4,109	"
Fremont-Madison Dist.	4,210	"
Lower Teton Users	*5,566	"
Total	61,624	"

*Normal flow transfers.

The water was bought and sold through the Pool at the rate of 35¢ per acre-foot measured in the reservoirs except on Teton River where an extra 5¢ per acre-ft. was charged for use of the Cross-Cut Canal.

In addition to the s ales through the Pool there were a number of sales and transfers directly between canals as shown on

Plate 14. The only such sales by holders of American Falls lease water not handled through the Pool was the sale of 10,000 acre-feet by the Fremont-Madison Irr. Dist. to the Butte and Market Lake Canal for 35¢ per acre-foot.

Ordinarily there is a draft on American Falls Reservoir of about 200,000 acre-feet during September and the river was operated during August in anticipation of a similar draft during September 1940. Due to the unusual September rains and reduced demand, however, American Falls Reservoir held more water on Sept. 30 than it did on Sept. 1st, consequently the holdover there at the end of the season was considerably greater than had been previously been estimated. No attempt was made to determine how much of the holdover in Jackson Lake on Sept. 30, 1940 was American Falls water, as most of the canals owning rights in both reservoirs did not indicate how they wanted their storage use segregated between their different reservoir rights. Only if American Falls fails to fill in 1941 will it be necessary to make such a determination.

RIVER LOSSES AND GAINS

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

Gain in Snake River, Moran to Heise stations
1940
(Heise dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Season
Moran	3,693	74,969	185,712	165,453	38,741	468,568
Heise	287,440	313,010	288,660	239,150	116,230	1,244,490
Riley Ditch	539	689	603	444	52	2,327
Heise & Riley	287,979	313,699	289,263	239,594	116,282	1,246,817
Total gain s.f.	284,286	238,730	103,551	74,141	77,541	778,249
Mean gain s.f.	9,171	7,958	3,340	2,392	2,585	5,087
Total gain ac.ft.	563,873	473,514	205,391	147,057	153,800	1,543,635

The gain in this river section was less each month than during 1939. For the 5 months period the total gain was 76% of the gain during the same period in 1939. It was but 55% of the seasonal gain in 1938.

Gain in Snake River, Heise to Shelley
1940
(Heise dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Season
Heise & Riley	287,979	313,699	289,263	239,594	116,282	1,246,817
Rexburg	83,520	67,378	30,339	37,512	39,880	258,629
Total Supply	371,499	381,077	319,602	277,106	156,162	1,505,446
Diversions	176,500	220,624	225,815	177,494	115,183	915,616
Shelley	187,690	180,170	110,840	111,460	66,820	656,980
Tot.acct.for	364,190	400,794	336,655	288,954	182,003	1,572,596
Tot.gain s.f.	-7,309	19,717	17,053	11,848	25,841	67,150
Mean gain s.f.	- 236	657	550	382	861	439
Tot.gain ac.ft.	-14,497	39,108	33,824	23,500	51,255	133,190

The diversions in this section were about 100,000 acre-ft. less than in 1939, which with decreased river flows resulted in lower contributions to the ground water and hence a decreased inflow in comparison with the year previous. In May an actual loss occurred which often happens during that month when the river starts to rise.

Loss in Snake River, Shelley to Clough stations
1940
(Shelley dates and 24-hr. sec.-ft.)

Station	May	June	July	Aug.	Sept.	Season
Shelley	187,830	182,130	110,420	113,590	65,850	659,820
Blackfoot R.	916	1,408	65	7	1,986	4,382
Total Supply	188,746	183,538	110,485	113,597	67,836	664,202
Diversions	100,172	97,198	73,054	55,602	30,523	356,549
Clough	79,539	81,072	29,935	49,760	35,462	275,768
Tot.acct.for	179,711	178,270	102,989	105,362	65,985	632,317
Tot.loss s.f.	9,035	5,268	7,496	8,235	1,851	31,885
Mean loss s.f.	291	176	242	266	62	208
Tot.loss ac.ft.	17,920	10,449	14,868	16,334	3,671	63,242

Losses in this section were substantially greater than for several years past. This is a losing water section of the river and it has been noted in the past that in low water years, particularly when several of deficient run-off occur in succession, the losses show a marked increase. This may be due to absence of silt-laden flood waters that help seal the river bed and thereby reduce percolation losses.

Loss in Snake River, Clough to Neeley stations
1940
(Neeley dates and 24-hr. sec.-ft.except as noted)

Station	May	June	July	Aug.	Sept.	Season
Clough	82,039	83,434	28,737	50,450	34,226	278,886
Inflow	79,119	75,917	78,354	77,980	81,983	393,353
Reserv. draft	156,360	163,720	232,633	178,742	-3,925	727,530
Total supply	317,518	323,071	339,724	307,172	112,284	1,399,769
Neeley	315,420	324,340	342,100	312,180	122,054	1,416,094
Tot.loss s.f.	2,098	-1,269	-2,376	-5,008	-9,770	-16,325
Mean loss s.f.	68	- 42	- 77	- 162	- 326	- 107
Tot.loss ac.ft.	4,161	-2,517	-4,713	-9,933	-19,378	-32,380

This section of river includes the American Falls Reservoir. Draft on this reservoir began May 5, the earliest date of any year since 1935. Substantial withdrawals of storage were made every month except September with the result that the reservoir was at levels below normal throughout the season and the resulting gain from bank storage return was greater than evaporation losses every month from June through September. The net gain for the season was 32,380 acre-ft. This reservoir g ain was not allotted but was retained as holdover in the reservoir to furnish part of the supply for 1941. About 60% of this seasonal gain occurred during September and was probably mostly due to the r ains that month. September precipitation at Pocatello was 3.80" which is over four times the normal amount. The r ain that falls on the reservoir surface augments the water supply directly, and there is undetected run-off from the adjacent slopes and unmeasured irrigation waste from adjacent farm lands on the Fort Hall and Aberdeen tracts during rainy weather. This gain from September rains should really be classified as normal flow but the canals below the reservoir were cutting down their diversions quite rapidly at the time and all had unused holdovers of storage so they didn't need the water anyhow and it accumulated as storage in the reservoir.

Loss in Snake River, Neeley to Minidoka stations
1940
(Minidoka dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Season
Neeley	314,250	324,570	341,900	313,177	124,251	1,418,148
Walcott draft	512	3,060	5,266	13,930	26,237	49,005
Total supply	314,762	327,630	347,166	327,107	150,488	1,467,153
N.Minidoka	47,216	44,460	47,510	44,840	15,863	199,889
S.Minidoka	34,738	34,293	39,740	35,283	9,300	153,354
Minidoka	229,440	241,300	255,370	243,970	132,980	1,103,060
Tot.acct.for	311,394	320,053	342,620	324,093	158,143	1,456,303
Tot.loss s.f.	3,368	7,577	4,546	3,014	-7,655	10,850
Mean loss s.f.	109	253	147	97	- 255	71
Tot.loss ac.ft.	6,680	15,028	9,017	5,978	-15,183	21,520

The seasonal loss of 21,520 acre-feet in this section was about 15% less than in 1939. Due to drawdown of Lake Walcott to about 36 feet on the Lake gage during September to do some construction work for a new power unit the gain for that month amounted to about 15,000 acre-feet from bank storage surrounding the Lake. Bad moss conditions at the Minidoka gaging station (Howells Ferry) during most of the season made it impossible to get as accurate measurements there as at the other river stations. This condition does not affect the determination of over-all losses or gains between Neeley and Milner but it may affect the distribution of these losses or gains as between the section above Minidoka Dam and that between Minidoka and Milner.

Gain in Snake River, Minidoka to Milner stations
1940
(Milner dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Season
Minidoka	228,620	241,190	255,425	244,280	135,975	1,105,490
P. A.	1,768	1,800	1,860	1,838	1,297	8,563
Milner Low Lift	4,950	4,979	5,228	5,235	2,628	23,020
Gooding	52,300	61,780	72,290	69,500	54,810	310,680
So. Milner	96,480	101,380	110,920	110,850	63,650	483,280
No. Milner	70,370	75,710	76,790	67,590	24,629	315,089
Milner	4,051	264	314	2,201	6,370	13,200
Total Use	229,919	245,913	267,402	257,214	153,384	1,153,832
Tot.gain s.f.	1,299	4,723	11,977	12,934	17,409	48,342
Mean gain s.f.	42	157	380	417	580	316
Tot. gain ac.ft.	2,576	9,368	23,756	25,654	34,530	95,884

The gain for the season in this section was about 12% less than in 1939. The gain is considerably affected at times by changes in the height of Milner Lake as no allowance is made directly for water represented by changes in this Lake level. If the Lake rises during any given period the computed gain is less than it would be if the

Lake were level, while if the Lake level is drawn down the water so released increases the normal gain. When the Milner Lake level is lowered it also permits the inflow to the river of more ground water from the Minidoka Project.

The net gain from Neeley to Milner during the 5 months period amounted to 74,364 acre-ft. of which about 50,000 acre-ft. occurred during September. The gain from Neeley to Milner is usually greatest during September and in 1940 rainy weather and draining of Lake Walcott also augmented the gain during that month. After Sept. 13, 1940 the gain was in excess of Minidoka Project diversions but no attempt was made to allot it to other rights and it was allowed to accumulate as American Falls unallotted holdover for 1941. The gain Neeley to Milner up to Sept. 13 plus storage charged to Minidoka Project thereafter, amounting to a total of 47,000 acre-feet, was allotted to the Minidoka Project as part of its storage supply. The remaining 27,364 acre-feet of the gain that occurred during the last half of September was left as unallotted water in American Falls Reservoir at the close of the season on Sept. 30.

DISTRIBUTION ON HENRYS FORK

Water distribution on Henrys Fork, Fall River and lower Teton River was again handled by Melvin Luke, Deputy Watermaster with headquarters at St.Anthony. The stored water in Island Park and Grassy Lake reservoirs together with the unusually large supply in Henrys Lake as the result of using no water therefrom in 1939 was of great value to the users in this section and averted what would otherwise have been a serious water shortage. The users on some tributary streams such as those in Teton Basin, Squirrel, Boone and Conant

creeks were quite short of water during the latter part of the season prior to the September rains. Due to a slight shortage of natural flow supply in Fall River available as exchange to meet the demands of the canals for stored water the Grassy Lake gates were opened on July 18 and during the ensuing week about 1500 acre-feet were withdrawn to supply this demand that could not have otherwise been filled in full. While draft from Grassy Lake continued thereafter it was because of inadequate channel capacity in Henrys Fork below Island Park dam and after July 25 there was spilling at all times more water from Fall River into Henrys Fork than was being released from Grassy Lake. This can be readily seen by a comparison between the discharge records of Fall River near Chester with the releases of storage from Grassy Lake shown on Plate 21.

When the Grassy Lake water was shut off late in August it was discovered that the gate leaked several sec.-ft. and accordingly it was necessary to drain the water all out during late September and the first few days in October and make some repairs. This storage released from Grassy Lake late in the season was carried on down past Rexburg and into American Falls Reservoir and credited as a partial offset against a deficient draft from Island Park Reservoir previously.

Due to shortage in supply during July-August and decreased demand during September on account of rain, the canals on Henrys Fork, Fall River and lower Teton River diverted about 91,000 acre-ft. less water in 1940 than they did in 1939. Their use of storage in 1940 however was about 52,000 acre-ft. greater than in 1939.

Henrys Lake held 62,123 acre-ft. on May 3 after which no further water was available for its priority. The gates, however,

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Henrys Lake held 62,123 acre-ft. on May 3 after which no further water was available for its priority. The gates, however,

remained closed until July 2 when they were opened enough to discharge 15 sec.-ft. of normal flow and on July 13 release of storage began. The increase of about 5,000 acre-ft. in the Lake between May 3 and July 2 was taken care of in the same way as storage of normal flow at Jackson Lake, namely by computing a minus stored water quantity daily at the Lake gaging station and carrying this downstream in the tabulations, delivering an equivalent amount from American Falls or Jackson Lake storage to those entitled to its use and repaying those reservoirs later from Henrys Lake.

Due to the high level of Henrys Lake in 1940 there was a loss of 3,000 acre-ft. in the Lake during the period of storage release; that is the drop in Lake contents as determined by the reservoir capacity tables was 3,000 acre-ft. greater than the total stored water passing the Lake gaging station. The latter quantity is computed by estimating the normal flow from occasional observations of inflow to the reservoir and subtracting this small quantity of normal flow from the total flow at the Lake gaging station, calling the balance stored water. It appears likely that at the higher levels in Henrys Lake there are some percolation losses in addition to evaporation losses, as the surrounding area in the vicinity of the dam is quite porous. Any water lost by seepage in Henrys Lake, however, doubtless returns at some later date further downstream as ground-water inflow.

Storage began at the Island Park dam on Nov. 15, 1939 although the gates were not completely closed until Dec. 20. They remained closed until Feb. 4 at which time the Island Park Reservoir contained about 108,000 acre-feet due to the large holdover from 1939. The Utah P. & L. Co. was in need of additional power output at its Ashton

plant at that time and, as it appeared quite certain that the reservoir would fill anyhow and there was no advantage to be gained by filling it too long before the irrigation season began, practically all the natural flow was released for a month from Feb. 4 to Mar. 5, and part of the natural flow from Mar. 5 to 21st when the gates were again closed and remained so until release of storage began on June 22. With the gates closed water ran over the spillway from Apr. 3 to June 22. When the gates were opened on the latter date to release stored water for use, the reservoir contained 131,910 acre-ft. which was taken as the amount available for 1940 allotment.

Due to heavy demands for storage from Island Park Reservoir and Henrys Lake during July and August, coupled with heavy moss growth in the channel of Henrys Fork, the capacity of the river channel through the meadows on the Railroad Ranch below Island Park Reservoir was inadequate to carry the desired amounts of water. Considerable flooding over part of the meadows resulted notwithstanding efforts to cut the moss and remove an old rock dam that was obstructing the flow. During 1939 the water in Island Park Reservoir was full of fine particles of moss and the water discharged from the reservoir apparently carried these downstream and seeded the river channel for miles below as the moss in the river channel during 1940 everywhere below Island Park was far worse than it had been in previous years. Some deepening and/or widening of the river channel through the Railroad Ranch should be undertaken before the next low-water year if unnecessary loss of water and damage to the meadows there is to be avoided. Most of this section

of the river is in an area of non-tributary water table and while the water lost by percolation on the flooded area probably returns to the stream in the canyon above Mesa Falls some time may elapse before it does so.

Natural flow rights on Henrys Fork and Fall River were regulated to the same priorities as the main Snake River schedule, usually allowing for a days delay for the notices to reach the St. Anthony office by mail. For a few days June 22-26 there wasn't quite enough water to fill these priorities on Henrys Fork. Rights on Teton River were regulated to the same schedule until July 10 after which date the supply in Teton River was insufficient to fill the rights to as late a date as were being filled on Snake River. Thereafter rights on Teton River were regulated as follows:

July 11	Filled 50% June 1, 1885 rights.
Aug. 19	Filled 55% June 1, 1884 rights.
Aug. 26	Filled 70% June 1, 1884 rights.
Sept.11	Restored all 1884 rights.
Sept.18	Restored all rights.

Henrys Lake, 1940

Allotment of Henrys Lake water was made as follows:

Lake contents May 3	62,123 acre-ft.
No water for Henrys Lake priority after May 3 (Henrys Lake date)	
Deduct loss in lake	3,000 "
Allotted	59,123 "

Canal	Per Cent	Acre-feet
Last Chance	15.3	9,046
St.Anthony Union	6.8	4,020
Salem Union	24.2	14,308
Egin	6.8	4,020
Independent	26.8	15,845
Consol. Farmers	20.1	11,884
Total	100.0	59,123

Transmission losses of 6.39% are charged on these rights between Henrys Lake and the canal headings near St.Anthony.

The stored water supply available in 1940 for the Fremont-Madison Irr. District was:

Island Park	131,910 acre-ft	(contents June 22 when storage draft started)
Am. Falls lease	19,763 "	
Grassy Lake	3,148 "	(Contents May 3 when right was cut)
Total	154,821 "	

10,000 acre-feet of the foregoing lease were rented by the Fremont-Madison District to the Butte & Market Lake Canal and the balance retained for allotment and rental on the Henrys Fork drainage.

The following distribution of 1940 reservoir water was furnished the watermaster by the Fremont-Madison District on July 15, 1940.

Distribution of water in Island Park and Grassy Lake reservoirs
1940

Canal Company	Acre-feet of water
Boone Creek	1,760
Conant Creek	2,056
Chester Canal	1,274.5
Dewey Canal	716
Consolidated Farmers	4,581
Egin Canal	2,545
East Teton Canal	2,045
Farmers Friend	5,936
Farmers Own	8,740
Fall River	6,417
Good Luck	367
Harrigfeld Canal	1,165
Independent Canal	10,271
Island Ward	3,353
Kerr Ditch	271
Last Chance	1,891
Marysville Canal	18,533.5
Pioneer	154
Pincock-Garner Ditch	232
Pincock-Byington	276
Rexburg Irrigation Canal	2,428

Distribution of water in Island Park and Grassy Lake reservoirs - cont'd.

Canal Company	Acre-feet of water
Roxana Canal	1,104
St.Anthony Union Canal	4,905
Salem Union	8,815
Salem Irrigation	3,727
Siddoway Irrigation	435
Stewart Ditch	360
Silkey Ditch	351
Squirrel Creek	1,371
Twin Groves Canal	5,140
Teton Island Canal	5,960
Teton Irrigation Co.	1,441
Thomson-Eames Ditch	120
Wolf Ditch	475
Woodmansee-Johnson Ditch	1,441
Wilford Canal	1,912.5
Yellowstone Canal	2,035
Total	114,604

Subsequent rentals and/or additional allotments by the District are given on Plate 22 which shows daily storage use on Henrys Fork and tributaries. A transmission loss charge of 2.49% was made on the Island Park and Grassy Lake stored water from the reservoirs to the canal headings.

The only American Falls water secured by Henrys Fork canals in 1940 were 19,763 acre-ft. to Fremont-Madison Dist. and 22,604 acre-ft. to Enterprise District. The Enterprise District used 21,830 acre-ft. of its right (reservoir meast.) and the Fremont-Madison had 9,763 acre-ft. to use after allowing for rental of 10,000 acre-ft. to the Butte and Market Lake Canal on Snake River. Thus the Henrys Fork users should have used 31,593 acre-ft. of American Falls water, reservoir meast. or 29,373 acre-ft. at their headgates.

The amount that they actually diverted is shown on Plate 21 as the minus quantity passing the Rexburg gaging station and amounted to 18,507 sec.-ft. or 36,708 acre-ft. for the season. This surplus of 7,335 acre-ft. measured at Rexburg or 7,522 acre-ft. at Island Park represents American Falls water being held in Island Park Reservoir on Sept. 30, 1940.

Following the practice of keeping as much holdover as possible in the furthest upstream reservoir Henrys Lake users were allowed to borrow water from Island Park to be repaid in 1941 if the Island Park Reservoir right is not filled that year.

Assuming that the canals owning rights in Henrys Lake used up their Island Park water first they would have the following holdovers in Henrys Lake at the close of the 1940 season on Sept. 20, 1940:

Dewey and Last Chance	2,660	acre-ft.
Salem Union	3,770	"
Egin	330	"
St.Anthony & Independent	820	"
Consol. Farmers	0	"
Total	7,580	"

On Sept. 20 Henrys Lake actually held 36,165 acre-feet (by interpolation between nearest adjacent readings) so 28,585 acre-feet of this belongs to Island Park Reservoir if it doesn't fill in 1941. Island Park Reservoir had previously been charged with the full natural flow deficiency at Rexburg. If American Falls Reservoir fills in 1941 the Island Park Reservoir can keep the 7,522 acre-ft. of American Falls water it held at the end of the 1940 season and if both American Falls and Island Park reservoirs fill in 1941 the Henrys Lake users can keep the 28,585 acre-ft. of Island Park water

in Henrys Lake at the end of the 1940 season. This arrangement is of particular advantage to Henrys Lake where if the practice is continued it will probably double any future dry year supply over what would otherwise be available. That reservoir never fills from one years run-off and only by accumulating large holdovers in it can it be utilized to anywhere near its capacity of 80,000 acre-ft. At the same time the practice doesn't harm the lower reservoirs; if they don't fill their water in the upper reservoir can be run down to them any time; if they do fill and spill then there is an additional supply available for the upper reservoir that would otherwise merely have increased the waste past Milner. The situation is similar to that at Jackson Lake where the same practice has been followed for some years to the general benefit of all the users. Retaining water on the watershed that would otherwise spill past Milner also helps the general situation because the additional water when used by the canals increases the return flow to the river, thereby improving the supply for natural flow rights, increasing winter inflow into American Falls, etc.

In addition to the 36,702 acre-feet of American Falls water diverted, through exchange, by the canals on Henrys Fork and tributaries the following amounts of natural flow spilled past the lowest canal heading on Henrys Fork for delivery to prior rights on Snake River and would have been available for exchange if stored water was owned in the Snake River reservoirs to make the trade:

July	30,000	acre-ft.
Aug.	50,000	"
Sept. 1-10	20,000	"
Total	100,000	"

Daily diversions by Henrys Fork canals are shown on Plates 16-20 incl. and segregation of river flow, storage diversions, etc. on Plates 21-22.

Operation of the Cross-Cut Canal during 1940 is shown in the following table:

Daily discharge, in second-feet of Cross Cut Canal
1940

Date	At head	Inflow from Fall R. Canal	No. Fall River Diversion	Middle Fall R. Diversion	At Woodfields below highway	At End
June 26	249	25	134	140		
June 27	227	24	131	120		
June 28	215	23	129	109		
June 29	215	21	128	109		
June 30	215	20	128	109		
July 1	215	20	128	109		
July 2	192	20	120	92		
July 3	180	16	114	82		
July 4	173	15	113	75		
July 5	167	14	112	69		
July 6	168	13	112	69		
July 7	166	13	111	68		
July 8	167	12	111	68		
July 9	165	12	102	75		
July 10	185	11	107	89		
July 11	179	10	98	91		
July 12	177	10	98	89		
July 13	181	9	98	92		
July 14	186	3	97	92	0	0
July 15	237	0	97	92	68	37
July 16	335	0	88	97	150	140
July 17	346	0	88	100	158	145
July 18	369	0	88	100	181	179
July 19	268	0	68	100	100	90
July 20	184	0	84	100	0	0
July 21	242	0	84	100	58	0
July 22	353	0	88	105	160	139
July 23	375	0	88	107	180	171
July 24	377	0	88	109	180	163
July 25	381	0	87	109	185	182
July 26	393	0	96	109	188	175
July 27	257	0	26	20	211	171
July 28	278	0	26	20	232	213
July 29	256	0	26	20	210	194
July 30	255	0	19	28	208	189
July 31	255	0	19	28	208	189
Total June	1121	113	650	587	0	0
Total July	7682	178	2681	2504	2677	2377

Date	At head	Inflow from Fall R. Canal	No. Fall River Diversion	Middle Fall R. Diversion	At Woodfields below highway	At End
Aug. 1	252	0	65	5	182	168
Aug. 2	262	0	65	5	192	182
Aug. 3	267	0	67	9	191	182
Aug. 4	219	0	12	9	198	192
Aug. 5	226	0	12	9	205	189
Aug. 6	203	0	12	9	182	189
Aug. 7	158	0	11	10	137	130
Aug. 8	207	0	12	64	131	107
Aug. 9	212	0	11	65	136	116
Aug.10	223	0	12	64	147	133
Aug.11	172	0	12	21	139	114
Aug.12	169	0	12	21	136	120
Aug.13	189	0	31	21	137	120
Aug.14	192	0	31	21	140	125
Aug.15	182	0	31	9	142	132
Aug.16	173	0	2	9	162	156
Aug.17	220	0	14	54	152	123
Aug.18	207	0	13	54	140	127
Aug.19	211	0	13	54	144	128
Aug.20	183	0	13	9	161	174
Aug.21	165	0	9	9	147	117
Aug.22	125	0	8	9	108	110
Aug.23	82	0	5	6	71	60
Aug.24	83	0	12	6	65	50
Aug.25	78	0	12	5	61	49
Aug.26	73	0	12	5	56	50
Aug.27	19	0	0	0	19	3
Aug.28	0	0	0	0	0	0
Aug.29	0	0	0	0	0	0
Aug.30	0	0	0	0	0	0
Aug.31	0	0	0	0	0	0
Sept. 1	0	0	0	0	0	0
Sept. 2	0	0	0	0	0	0
Sept. 3	0	0	0	0	0	0
Sept. 4	0	0	0	0	0	0
Sept. 5	12	0	0	0	12	10
Sept. 6	89	0	0	0	89	92
Sept. 7	95	0	7	6	82	72
Sept. 8	88	0	7	6	75	62
Sept. 9	88	0	7	6	75	61
Sept.10	79	0	3	0	76	62
Sept.11	75	0	0	0	75	63
Sept.12	25	0	0	0	25	20
Sept.13	0	0	0	0	0	0
Sept.14	0	0	0	0	0	0
Sept.15	0	0	0	0	0	0
Sept.16	0	0	0	0	0	0
Sept.17	0	0	0	0	0	0
Sept.18	0	0	0	0	0	0
Total Aug.	4752	0	509	562	3681	3346

Date	At head	Inflow from Fall R. Canal	No. Fall River Diversion	Middle Fall R. Diversion	At Woodfields below highway	At End
Sept. 19	0	0	0	0	0	0
Sept. 20	0	0	0	0	0	0
Sept. 21	42	0	0	0	42	39
Sept. 22	0	0	0	0	0	0
Sept. 23	0	0	0	0	0	0
Sept. 24	0	0	0	0	0	0
Sept. 25	65	0	0	0	65	60
Sept. 26	0	0	0	0	0	0
Sept. 27	0	0	0	0	0	0
Sept. 28	62	0	0	0	62	58
Sept. 29	0	0	0	0	0	0
Sept. 30	0	0	0	0	0	0
Total Sept.	720	0	24	18	678	599

This record covers only the days that water was being diverted from Henrys Fork into the Cross Cut Canal. During the period prior to June 26 and again Sept. 12-30 Fall River Canal was spilling water into the Cross Cut and diverting it again through the North and Middle Fall River diversions but no record was kept of these operations. The discharges on Sept. 21, 25, & 28 were 24-hr. sec.-ft. equivalents of tests of capacity for part days. The maximum discharge at Woodfields below the highway and below the Fall River Canal diversions was 297 sec.-ft. on a capacity test for a few hours on Sept. 28. The maximum mean daily discharge at that point was 232 sec.-ft. on July 28. Delivery of storage through the Cross Cut to Teton River covered the periods July 15 - Aug. 27 (except for canal break July 20-21) and Sept. 5-12. The Fall River Canal diverted 14,368 acre-ft. from Henrys Fork through the Cross Cut Canal in 1940 in addition to what it spilled into the Canal. During the period of steady normal operation of the canal July 15 to Aug. 27 there was a loss of 10% in the Cross Cut Canal from Woodfields to the end of the Canal. There was probably a slight gain through the "sub" section from the head to Woodfields.

Occasional trips were made into the Island Park area to regulate the water and users up there rented 520 acre-ft. of storage after their natural flow rights were cut. The Island Park Land & Cattle Co. was permitted to divert some water (about 15-20 sec.-ft.) beginning about Aug. 20, and continuing until their right was restored Sept. 11 as compensation for losses caused by flooding the meadows on the Railroad Ranch as a result of storage releases from Island Park Reservoir. This was supplied from the heavy bank storage return then occurring from Island Park Reservoir which was far in excess of the amount that was delivered to the Island Park Land and Cattle Co. so the arrangement did not affect the supply for other natural flow rights.

The following tabulation is similar to that previously given for canals on the main Snake River.

Table showing diversions and irrigated areas Henrys Fork, Fall and lower Teton Rivers, 1940

Canal	Irr.Season diversions (acre-ft.)	Area under canal (acres)	Area Irrigated 1940	Diversions acre-ft. per acre irrig.
Fall River Canals				
Yellowstone	2,070	5,000	1,000	2.1
Harrigfeld	0	2,140	0	0
Marysville	25,500	15,000	12,800	2.0
Farmers Own	10,300	12,000	4,800	2.1
Almy	105	60	40	2.6
Enterprise	34,800	7,000	6,000	5.8
Bell	1,060	160	160	6.6
Fall River	72,770 (a)	8,000	8,000	9.1
McBee	767	300	90	8.5
Chester	7,670	2,000	2,000	3.8
Silkey	2,410	620	420	5.7
Cur	9,560	1,570	1,500	6.4
Total Fall River	167,012	53,850	36,810	4.5

(a) Includes 14,368 acre-ft. diverted through Cross Cut.

Canal	Irr. Season diversions (acre-ft.)	Area under canal (acres)	Area irrigated 1940	Diversions acre-ft. per acre irrig.
Henrys Fork Canals				
Dewey	3,730	1,720	1,300	2.9
Last Chance	15,040	1,900	1,840	8.2
St.Anthony Union	125,500	10,000	10,000	12.6
Farmers Friend	25,000	2,900	2,900	8.6
Twin Groves	26,600	2,810	2,810	9.5
Salem Union	44,300	5,300	5,100	8.7
Egin	79,700	7,000	6,500	12.3
St.Anth.Un.Feeder	24,100	2,000	2,000	12.0
Independent	64,400	7,000	7,000	9.2
Consol.Farmers	49,400	8,000	6,000	8.2
Total Henrys Fork	457,770	48,630	45,450	10.1
Lower Teton R. Canals				
Siddoway	2,140	600	600	3.6
Wilford	27,400	2,000	1,800	15.2
Teton Irrig.	21,500	2,200	2,000	10.8
Good Luck	4,650	400	400	11.6
Pioneer	3,340	400	400	8.4
Stewart	4,360	366	366	11.9
Pincock-Byington	2,330	340	300	7.8
Pincock-Garner	3,660	580	440	8.3
Teton Isl.Feeder	83,700	10,500	10,400	8.0
North Salem	2,110	600	600	3.5
Roxana	2,140 (c)	720	360	5.9
Island Ward	7,800	3,300	3,300	2.4
Woodmansee-Johnson	6,000	1,250	1,250	4.8
City of Rexburg	9,500	1,290	1,100	8.7
Rexburg Irrig.	43,400(b)	5,650	5,282	8.2
Saury-Sommers	2,870	640	640	4.5
Total Teton R.	226,980	30,836	29,238	7.8
Total Fall R., Henrys Fork and Teton River	851,762	133,316	111,498	7.6

(b) Includes 393 acre-feet pumped from Rexburg City sewer outlet.
(c) Also receives water through Consol. Farmers; one-half of acreage is assumed to be irrigated from each canal.

The total diversions were about 91,000 acre-ft. less than in 1939 but were considerably greater than in other past dry years being 260,000 acre-ft. more than in 1931, 392,000 acre-ft. more than in 1934 and 75,000 acre-ft. more than in 1935.

River gains and losses in Henrys Fork Basin

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

Lake to Coffee Pot Rapids	16 hrs.
Coffee Pot to Island Park	4 hrs.
Island Park to Warm River	14 hrs.
Warm River to Ashton	5 hrs.
Ashton to St.Anthony	5 hrs.
St.Anthony to Rexburg	12 hrs.
Squirrel to Chester	8 hrs.

Gain in Henrys Fork, Lake to Coffee Pot Rapids, 1940

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

Station	May	June	July	Aug.	Sept.	Season
Lake	155	210	6,137	8,917	490	15,909
Coffee Pot	12,287	9,409	13,273	15,904	8,183	59,056
Total gain s.f.	12,132	9,199	7,136	6,987	7,693	43,147
Mean gain s.f.	391	307	230	225	256	282
Tot.gain ac.ft.	24,064	18,246	14,154	13,859	15,259	85,582

The low rate of gain during July & August coincided with the release of a large volume of stored water from Henrys Lake. This water was shut off the last of August and the gain during September increased again to what it was early in July before the release of the storage. Some of the bank storage apparently thus created during July and August may return to the river as ground-water inflow below Coffee Pot or it may all eventually drain out between Lake & Coffee Pot stations. The formation in this section consists of porous lava flows which may have modified an older drainage pattern and the course of any water that gets into the ground is not discernable from surface indications. The decrease in gain in this section when stored water is being delivered from Henrys Lake has been noticed in previous years and was the cause of raising the stored water loss charge between Lake and Island Park from 0.5% to 4.0% several years ago.

Gain in Henrys Fork, Coffee Pot to Island Park, 1940
(Island Park dates & 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Season
Coffee Pot	12,310	9,419	13,229	15,946	8,187	59,091
Released from Isl. Park Reserv.	813	5,927	25,221	18,229	9,325	59,515
Total Supply	13,123	15,346	38,450	34,175	17,512	118,606
Isl. Park	22,787	20,044	43,370	39,786	24,336	150,323
Tot.gain s.f.	9,664	4,698	4,920	5,611	6,824	31,717
Mean gain s.f.	312	157	159	181	227	207
Total gain ac.ft.	19,168	9,318	9,759	11,129	13,535	62,909

The large gain during May is due to tributary inflow from melting snow. The increasing g ain during Aug. & Sept. is bank storage return from Island Park Reservoir. In the entire section from Lake to Island Park the gain for the 5 months period in 1940 was about 4,000 acre-ft. less than for the s ame period in 1939.

Gain in Henrys Fork, Island Park to Warm River station, 1940

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

Island Park	22,953	19,806	43,154	39,903	24,766	150,582
Buffalo River	7,510	6,177	6,167	5,579	5,246	30,679
Total supply	30,463	25,983	49,321	45,482	30,012	181,261
Warm River	38,150	31,789	54,840	53,030	36,804	214,613
Tot. gain s.f.	7,687	5,806	5,519	7,548	6,792	33,352
Mean gain s.f.	248	194	178	243	226	218
Tot.gain ac.ft.	15,247	11,516	10,946	14,971	13,472	66,152

The total gain for the 5 months period was practically the same as in 1939. Flooding during July when running large volumes of stored water apparently caused some loss as the gain was lowest that month. This water probably came back to the stream during August when the discharge was reduced, as a sharp increase in gain was noted during that month.

Gain in Henrys Fork, Warm River to Ashton stations,1940

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

Station	May	June	July	Aug.	Sept.	Season
Warm River	38,244	31,722	54,738	53,084	36,951	214,739
Ashton	60,640	43,620	65,010	61,540	45,630	276,440
Tot.gain s.f.	22,396	11,898	10,272	8,456	8,679	61,701
Mean gain s.f.	722	397	331	273	289	403
Tot.gain ac.ft.	44,421	23,599	20,375	16,772	17,215	122,382

The gain in this section for the period was 6,000 acre-ft. less than in 1939 due to decreased inflow from Warm River and Robinson Creek.

Gain in Fall River, Squirrel to Chester stations, 1940

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

Squirrel	75,967	56,635	13,628	13,832	13,082	173,144
Diversions	16,219	19,152	12,302	7,623	7,769	63,065
Chester	67,460	38,407	3,245	7,028	6,425	122,565
Tot. acct.for	83,679	57,559	15,547	14,651	14,194	185,630
Tot.gain s.f.	7,712	924	1,919	819	1,112	12,486
Mean gain s.f.	249	31	62	26	37	82
Tot.gain ac.ft.	15,296	1,833	3,806	1,624	2,205	24,764

The gain in this section was less each month than during 1939, being 20,000 acre-ft. less for the 5-mos. period than in the same period of the previous year.

Gain in Henrys Fork, Ashton to St.Anthony stations, 1940

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

Ashton	60,703	43,587	64,907	61,602	45,765	276,564
Chester	67,075	38,996	3,225	7,024	6,387	122,707
Tot.supply	127,778	82,583	68,132	68,626	52,152	399,271
Diversions	36,906	29,367	31,965	24,171	12,946	135,355
St.Anthony	90,720	56,324	37,293	44,240	38,963	267,540
Tot.acct.for	127,626	85,691	69,258	68,411	51,909	402,895
Tot.gain s.f.	-152	3,108	1,126	-215	-243	3,624
Mean gain s.f.	-5	104	36	-7	-8	24
Tot.gain ac.ft.	-301	6,164	2,233	-426	-482	7,188

During three of the months in 1940 there was a slight loss in this section and during the 5-months period the total gain was 10,000 acre-ft. less than in 1939. The seasonal gain was about the same as in 1935 which was a year of comparable water supply.

Gain in Henrys Fork & Teton River, St.Anthony to Rexburg stations, 1940

(Rexburg dates & 24-hr. sec.-ft., except as noted)

Station	May	June	July	Aug.	Sept.	Season
St.Anthony	90,160	57,651	36,961	44,235	39,078	268,085
Teton River	41,904	37,116	22,759	18,446	15,756	135,981
Total Supply	132,064	94,767	59,720	62,681	54,834	404,066
H.Fk.diversions	31,925	23,106	22,964	19,230	12,387	109,612
Teton "	29,984	31,149	22,352	18,158	12,975	114,618
Rexburg "	83,520	67,378	30,339	37,512	39,880	258,629
Tot.acct.for	145,429	121,633	75,655	74,900	65,242	482,859
Tot.gain s.f.	13,365	26,366	15,935	12,219	10,408	78,793
Mean gain s.f.	431	896	514	394	347	515
Tot.gain ac.ft.	26,509	53,288	31,607	24,236	20,644	156,284

The gain in this section was about 30,000 acre-ft. less than during the same period in 1939. From early July until mid-Sept. the canals on Teton River diverted the entire flow passing the St.Anthony gaging station.

Losses and Gains in Island Park Reservoir

In order to secure information on river gains in the section of the proposed Island Park Reservoir and to afford a basis of comparison of such gains before and after reservoir construction, the Bureau of Reclamation in May 1935 established gaging stations on the tributary streams to Island Park Reservoir at points above the proposed reservoir flow line. Stations were also established on Henrys Fork just below the dam site and at DeWiners several miles downstream as well as at two points on Buffalo River between which leakage might be received from the reservoir. These stations were operated by the Bureau of Reclamation from 1935 through 1938. During 1939-40 they have been operated by the Idaho Falls watermasters office which has prepared discharge computations at all the stations over the period 1935-40.

A condensed summary of the results of these measurements is shown in the following tables. The results are grouped in three separate river sections; 1st., the section occupied by the reservoir itself, extending from Coffee Pot Rapids above the reservoir flow line to the Island Park station immediately below the dam; 2nd., the section on Buffalo River between the railroad bridge and the mouth, which receives underground leakage from the reservoir, and 3rd., the section along Henrys Fork between the Island Park Dam and DeWiners, which also receives underground leakage from the reservoir. The first storage in the reservoir began in Nov. 1938.

Gain between stations, Island Park Reserv. Basin
24-hr. sec.-ft.

Henrys Fork-Coffee Pot to Island Park stations

Station	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
			1935				
Coffee Pot	9426	13128	10241	7398	7373	6496	6553
Mill Cr.	425	79	22	18	16	16	15
Hotel Cr.	2303	772	419	263	248	186	155
Sheep Cr.	334	117	45	24	16	15	15
Icehouse Cr.	318	202	158	159	200	250	250
Sheridan Cr.	2752	278	715	157	227	180	186
Total Supply	15558	14576	11600	8019	8080	7143	7174
Isl.Park Sta.	19199	17706	14842	11551	11487	10908	11160
Total gain	3641	3130	3242	3532	3407	3765	3986
Mean daily gain	121	101	105	118	110	126	128
Buffalo River - Upper to Lower stations							
Upper Buffalo	4085	3580	3270	3210	3317	3210	3317
Lower Buffalo	5561	4983	5006	4720	4802	4604	4526
Total Gain	1476	1403	1736	1510	1485	1394	1209
Mean daily gain	49	45	56	50	48	46	39
Henrys Fork-Island Park to DeWiner stations							
Island Park Sta.	19199	17706	14842	11551	11487	10908	11160
Lower Buffalo	5561	4983	5006	4720	4802	4604	4526
Total supply	24760	22689	19848	16271	16289	15512	15686
DeWiner Sta.	27000	22548	19709	16392	16447	15668	16480
Total gain	2240	-141	-139	121	158	156	794
Mean daily gain	75	-5	-4	4	5	5	26

Gain between stations, Island Park Reserv. Basin
24-hr. sec.-ft.

Henrys Fork-Coffee Pot to Island Park stations

Station	Jan.	Feb.	1936 Mar.	Apr.	May.	June
Coffee Pot	6696	6264	6594	11190	14501	9296
Mill Cr.	16	14	16	54	326	97
Hotel Cr.	155	145	170	704	2292	1096
Sheep Cr.	16	14	16	196	465	168
Icehouse Cr.	250	230	250	350	434	201
Sheridan Cr.	217	132	186	1171	3507	711
Total supply	7350	6849	7232	13665	21525	11569
Isl. Park	10850	9591	9993	17236	25462	14931
Total gain	3500	2742	2761	3571	3937	3362
Mean daily gain	113	95	89	119	127	112
	Buffalo River, Upper to Lower stations					
Upper Buffalo	3317	3116	3313	3433	5051	3599
Lower Buffalo	4712	4466	4774	6927	7601	5220
Total Gain	1395	1350	1461	3494	2550	1621
Mean daily gain	45	46	47	116	82	54
	Henrys Fork, Island Park to DeWiner stations					
Island Park Sta.	10850	9591	9993	17236	25462	14931
Lower Buffalo	4712	4466	4774	6927	7601	5220
Total supply	15562	14057	14767	24163	33063	20151
DeWiner Sta.	15900	14600	15648	25324	35416	21557
Total gain	338	543	881	1161	2353	1406
Mean daily gain	11	19	28	39	76	47

Gain between stations, Island Park Reserv. Basin
24-hr. sec.-ft.

Henrys Fork-Coffee Pot to Island Park stations

Station	July	Aug.	1936 Sept.	Oct.	Nov.	Dec.
Coffee Pot	14408	10108	3795	8494	7478	7452
Mill Cr.	18	16	15	16	15	16
Hotel Cr.	453	343	270	248	186	155
Sheep Cr.	62	25	22	16	15	16
Icehouse Cr.	208	183	156	200	250	250
Sheridan Cr.	469	226	252	251	240	232
Total Supply	15618	10901	9510	9225	8184	8121
Isl. Park	18058	13286	12288	11905	11140	11153
Total gain	2440	2385	2778	2680	2956	3032
Mean daily gain	79	77	93	86	99	98
Buffalo River, Upper to Lower stations						
Upper Buffalo	3813	3733	3480	3503	3300	3348
Lower Buffalo	5177	4960	4740	5115	5114	5283
Total Gain	1364	1227	1260	1612	1814	1935
Mean daily gain	44	40	42	52	60	62
Henrys Fork, Island Park to DeWiner stations						
Island Park	18058	13286	12288	11905	11140	11153
Lower Buffalo	5177	4960	4740	5115	5114	5283
Total Supply	23235	18246	17028	17020	16254	16436
DeWiner Sta.	24194	18953	17400	17306	16516	16401
Total Gain	959	707	372	286	262	-35
Mean daily gain	31	23	12	9	9	-1

Gain between stations, Island Park Reserv. Basin
24-hr. sec.-ft.

Henrys Fork-Coffee Pot to Island Park stations

Station	Jan.	Feb.	1937 Mar.	Apr.	May	June
Coffee Pot	7440	6726	7609	7938	15665	9748
Mill Cr.	16	14	16	38	294	89
Hotel Cr.	155	145	155	170	1709	963
Sheep Cr.	16	14	16	28	275	216
Icehouse Cr.	250	230	250	275	310	150
Sheridan Cr.	217	182	232	365	3388	516
Total Supply	8094	7311	8278	8814	21641	11682
Isl. Park	10940	9857	10778	11715	25872	15735
Total Gain	2846	2546	2500	2901	4231	4053
Mean Daily gain	92	91	81	97	136	135
			Buffalo River, Upper to Lower stations			
Upper Buffalo	3286	2940	3224	3150	4204	3374
Lower Buffalo	5022	4480	4960	4924	7678	5681
Total Gain	1736	1540	1736	1774	3474	2307
Mean daily gain	56	55	56	59	112	77
			Henrys Fork, Island Park to DeWiners stations			
Island Park	10940	9857	10778	11715	25872	15735
Lower Buffalo	5022	4480	4960	4924	7678	5681
Total Supply	15962	14337	15738	16639	33550	21416
DeWiner Sta.	16100	14450	15800	17154	35179	22949
Total Gain	138	113	62	515	1629	1533
Mean daily gain	4	4	2	17	52	51

Gain between stations, Island Park Reserv. Basin
24-hr. sec.-ft.

Henrys Fork-Coffee Pot to Island Park stations

Station	July	Aug.	1937 Sept.	Oct.	Nov.	Dec.
Coffee Pot	14354	15097	9100	7837	7273	7439
Mill Cr.	31	14	12	12	12	12
Hotel Cr.	425	244	192	186	136	124
Sheep Cr.	78	25	15	16	15	16
Icehouse Cr.	78	93	90	200	250	250
Sheridan Cr.	77	224	111	248	300	279
Total Supply	15043	15697	9520	8499	7986	8120
Isl. Park	18650	18735	12265	11598	11231	11348
Total Gain	3607	3038	2745	3099	3245	3228
Mean daily Gain	116	98	92	100	108	104

Buffalo River, Upper to Lower stations

Upper Buffalo	3410	3348	3090			
Lower Buffalo	5447	5002	4600	No	records.	
Total Gain	2037	1654	1510			
Mean daily gain	66	53	50			

Henrys Fork, Island Park to DeWiners stations

Island Park	18650	18735	12265	11598	11231	11348
Lower Buffalo	5447	5002	4600	4834	4675	4880
Total Supply	24097	23737	16865	16432	15906	16228
DeWiner Sta.	24329	24336	17581	16857	16060	16527
Total Gain	232	599	716	425	164	299
Mean daily gain	7	19	24	14	5	10

Gain between stations, Island Park Reserv. Basin
24-hr. sec.-ft.

Henrys Fork-Coffee Pot to Island Park stations

Station	Jan.	Feb.	1938 Mar.	Apr.	May	June
Coffee Pot	7308	6524	7259	8911	19082	11262
Mill Cr.	12	10	15	88	411	661
Hotel Cr.	124	118	124	461	2498	3196
Sheep Cr.	15	14	15	414	899	570
Icehouse Cr.	250	230	250	350	589	330
Sheridan Cr.	279	224	256	1871	6848	5701
Total Supply	7988	7120	7919	12095	30327	21720
Isl. Park	10946	9740	11005	15710	38010	27404
Total Gain	2958	2620	3086	3615	7683	5684
Mean daily gain	95	94	99	120	248	189

Buffalo River, Upper to Lower stations

No record

Henrys Fork, Island Park to DeWiners stations

Island Park	10946	9740	11005	15710	38010	27404
Lower Buffalo	4740	4316	4813	6589	10269	6246
Total Supply	15686	14056	15818	22299	48279	33650
DeWiner Sta.	16037	14424	16356	22329	47600	34341
Total Gain	351	368	538	20	-679	691
Mean Daily Gain	11	13	17	1	-22	23

Gain between stations, Island Park Reserv. Basin
24-hr. sec.-ft.

Henrys Fork-Coffee Pot to Island Park stations

Station	July	Aug.	Sept.	Oct.	Nov.	Dec.
			1938			
Coffee Pot	11260	17056	10668	9412	9031	9021
Mill Cr.	224	46	15	16	15	12
Hotel Cr.	1427	578	420	372	300	279
Sheep Cr.	56	74	45	31	21	19
Icehouse Cr.	155	186	255	268	300	310
Sheridan Cr.	3270	772	344	287	300	310
Total Supply	16392	18712	11747	10386	9967	9951
Stored in Reserv.				0	6041	10950
Isl. Park	20608	22224	15140	14351	6967	59
Total acct. for				14351	13008	11009
Total gain	4216	3512	3393	3965	3041	1058
Mean daily gain	136	113	113	128	101	35

Buffalo River-Upper to Lower stations

Upper Buffalo				4030	3750	3720
Lower Buffalo	No record			5905	5532	5774
Total gain				1875	1782	2054
Mean daily gain				60	59	66

Henrys Fork, Island Park to DeViners Stations

Island Park	20608	22224	15140	14351	6967	59
Lower Buffalo	6116	6009	5641	5905	5532	5774
Total Supply	26724	28233	20781	20256	12499	5833
DeViner Sta.	27179	28552	21442	20542	12797	6169
Total Gain	455	319	661	286	298	336
Mean Daily gain	15	10	22	9	10	11

Gain between stations, Island Park Reserv. Basin
2nd yr. sec.-ft.

Henrys Fork-Coffee Pot to Island Park stations

Station	1939 Jan.	Feb.	Mar.	Apr.	May	June
Coffee Pot	9021	8072	9065	15081	15128	11303
Mill Cr.	12	11	12	390	422	88
Hotel Cr.	248	196	217	900	2011	925
Sheep Cr.	16	14	16	187	544	247
Icehouse Cr.	310	280	310	390	434	198
Sheridan Cr.	279	252	279	3466	4381	443
Total Supply	9886	8825	9899	20414	22920	13204
Stored in Reserv.	10881	9707	10535	19848	-556	-766
Island Park	178	218	287	1882	25702	14730
Total acct. for	11059	9925	10822	21730	25146	13964
Total gain	1173	1100	923	1316	2226	764
Mean daily gain	38	39	30	44	72	25

Buffalo River- Upper to Lower stations

Upper Buffalo	3534	2688	2976	3600	5580	3900
Lower Buffalo	5720	5025	5760	8892	8963	6430
Total Gain	2186	2337	2784	5292	3383	2530
Mean daily gain	71	83	90	176	109	84

Henrys Fork, Island Park to DeWiners stations

Island Park	178	218	287	1882	25702	14730
Lower Buffalo	5720	5025	5760	8892	8963	6430
Total Supply	5898	5243	6047	10774	34665	21160
DeWiners Sta.	6203	5600	6371	11058	35217	22208
Total gain	305	357	324	284	552	1048
Mean daily gain	10	13	10	9	18	35

Gain between stations, Island Park Reserv. Basin
24-hr. sec.-ft.

Henrys Fork-Coffee Pot to Island Park stations

Station	July	Aug.	1939 Sept.	Oct.	Nov.	Dec.
Coffee Pot	10046	9417	8842	9021	8445	8244
Mill Cr.	21	14	12	10	9	8
Hotel Cr.	547	343	259	258	166	124
Sheep Cr.	85	25	11	11	6	6
Icehouse Cr.	108	202	195	289	300	341
Sheridan Cr.	277	429	309	422	437	589
Total supply	11084	10430	9628	10011	9363	9312
Stored in Reserv.	-15360	-17123	-7594	-47	5470	10707
Isl. Park	27829	31862	21270	14256	6642	622
Total acct.for	12469	14739	13676	14209	12112	11329
Total gain	1385	4309	4048	4198	2749	2017
Mean daily gain	45	139	135	135	92	65

Buffalo River - Upper to Lower stations

Upper Buffalo	3968	3968	3780	3906	3810	3751
Lower Buffalo	6114	6006	5577	5774	5340	5681
Total Gain	2146	2038	1797	1868	1530	1930
Mean daily gain	69	66	60	60	51	62

Henrys Fork, Island Park to DeViners stations

Island Park	27829	31862	21270	14256	6642	622
Lower Buffalo	6114	6006	5577	5774	5340	5681
Total Supply	33943	37868	26847	20030	11982	6303
DeViners Sta.	34258	38890	28677	21622	12792	6636
Total Gain	315	1022	1830	1592	810	333
Mean daily gain	10	33	61	51	27	11

Gain between stations, Island Park Reserv. Basin
24-hr. sec.-ft.

Henrys Fork-Coffee Pot to Island Park stations

Station	Jan.	Feb.	Mar.	1940 Apr.	May	June
Coffee Pot	7930	7630	8426	13755	12287	9409
Mill Cr.	8	7	10	93	370	199
Hotel Cr.	93	87	108	428	1823	969
Sheep Cr.	6	6	12	94	330	162
Icehouse Cr.	310	290	310	403	245	139
Sheridan Cr.	558	522	620	864	4560	468
Total supply	8905	8542	9486	15636	19615	11346
Stored in Reserv.	10463	2467	7640	4849	-813	-5927
Isl. Park	200	8148	4038	13704	22787	20044
Total acct. for	10663	10615	11678	18553	21974	14117
Total gain	1758	2173	2192	2916	2359	2771
Mean daily gain	57	75	71	97	76	92

Buffalo River - Upper to Lower stations

Upper Buffalo	3689	3422	3658	4200	4340	3990
Lower Buffalo	5945	5597	6122	7803	7480	6170
Total gain	2256	2175	2464	3603	3140	2180
Mean daily gain	73	75	79	120	101	73

Henrys Fork, Island Park to DeWiners stations

Island Park	200	8148	4038	13704	22787	20044
Lower Buffalo	5945	5597	6122	7803	7480	6170
Total Supply	6145	13745	10160	21507	30267	26214
DeWiners Sta.	6696	14385	10966	23773	31713	26850
Total gain	551	640	806	2266	1446	636
Mean daily gain	18	22	26	76	47	21

Gain between stations, Island Park Reserv. Basin
24-hr. sec.-ft.

Henrys Fork-Coffee Pot to Island Park stations

Station	1940 July	Aug.	Sept.
Coffee Pot	13273	15904	8183
Mill Cr.	89	30	26
Hotel Cr.	335	192	150
Sheep Cr.	70	8	3
Icehouse Cr.	130	121	137
Sheridan Cr.	26	96	0
Total supply	13923	16351	8499
Stored in Res.	-25221	-18229	-9325
Isl. Park	43370	39786	24336
Total Acct. for	18149	21557	15011
Total gain	4226	5206	6512
Mean daily gain	136	168	217

Buffalo River, Upper to Lower stations

Upper Buffalo	3937	3875	3810
Lower Buffalo	6165	5568	5248
Total gain	2228	1693	1438
Mean daily gain	72	55	48

Henrys Fork, Island Park to DeWiners stations

Island Park	43370	39786	24336
Lower Buffalo	6165	5568	5248
Total Supply	49535	45354	29584
DeWiners Sta.	51500	47277	31468
Total gain	1965	1923	1884
Mean daily gain	63	62	63

Summary of gain between stations-Island Park Reserv.Basin

Mean daily sec.-ft.

Henrys Fork-Coffee Pot to Island Park stations

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1935	2	-	-	-	-	121	101	105	118	110	126	128
1936	113	95	89	119	127	112	79	77	93	86	99	98
1937	92	91	81	97	136	135	116	98	92	100	108	104
1938	95	94	99	120	248	189	136	113	113	128	101	35
1939	38	39	30	44	72	25	45	139	135	135	92	65
1940	57	75	71	97	76	92	136	168	217			

Buffalo River, Upper to Lower stations

1935	-	-	-	-	-	49	45	56	50	48	46	39
1936	45	46	47	116	82	54	44	40	42	52	60	62
1937	56	55	56	59	112	77	66	53	50	-	-	-
1938	-	-	-	-	-	-	-	-	-	60	59	66
1939	71	83	90	176	109	84	69	66	60	60	51	62
1940	73	75	79	120	101	73	72	55	48			

Henrys Fork, Island Park to DeWiners stations

1935						75	-5	-4	4	5	5	26
1936	11	19	28	39	76	47	31	23	12	9	9	-1
1937	4	4	2	17	52	51	7	19	24	14	5	10
1938	11	13	17	1	-22	23	15	10	22	9	10	11
1939	10	13	10	9	18	35	10	33	61	51	27	11
1940	18	22	26	76	47	21	63	62	63			

From the record of actual gains during the years 1935 to 1938 prior to reservoir construction, in connection with such known factors as precipitation, run-off, etc. an estimate has been made of what the normal gain would have been during each month since the reservoir has been in operation from Nov. 1938 to Sept. 1940 incl. The difference

between the actual gain as given in the last preceding table and the estimated normal gain is assumed to have resulted from the reservoir operation. Figures computed under these assumptions are shown in the following table.

A minus sign means less gain due to reservoir operation while a plus sign means a greater gain as a result of the reservoir operation.

Comparison between actual gains 1939-40 and probable normal gains that would have occurred if Island Park Reserv. had not been built.

Month	Coffee Pot to Isl. Park		Buffalo River		Isl. Park to DeWiners	
	Est.normal gain(daily sec.-ft.)	Variation between actual & normal gain (monthly ac. ft.)	Est.normal gain(daily sec.-ft.)	Variation between actual & normal gain (monthly ac-ft.)	Est.normal gain(daily sec.-ft.)	Variation between actual & normal gain(monthly ac-ft.
1938						
Nov.	110	-536	59	0	10	0
Dec.	105	-4300	60	+369	11	0
1939						
Jan.	100	-3810	56	+922	10	0
Feb.	95	-3110	56	+1500	13	0
Mar.	90	-3690	60	+1840	10	0
Apr.	120	-4520	146	+1790	9	0
May	130	-3570	85	+1480	18	0
June	115	-5360	60	+1430	35	0
July	110	-4000	50	+1170	10	0
Aug.	100	+2400	50	+984	18	+922
Sept.	95	+2380	50	+595	21	+2380
Oct.	110	+1540	50	+615	15	+2210
Nov.	110	-1070	50	+60	11	+953
Dec.	110	-2770	60	+123	11	0
1940						
Jan.	105	-2950	56	+1050	18	0
Feb.	95	-1150	56	+1090	22	0
Mar.	95	-1480	60	+1170	26	0
Apr.	120	-1370	105	+892	76	0
May	130	-3320	90	+676	47	0
June	125	-1960	60	+774	21	+2030
July	115	+1290	60	+738	30	+2400
Aug.	110	+3570	50	+307	23	+2320
Sept.	160	+3400	48	0	24	
Total for period		-34386		+19575		+13215

Considering the entire two year period the gain between Coffee Pot and Island Park stations was 34,386 acre-ft. less than would normally have been expected. Leakage from the reservoir however increased the normal inflow to Buffalo River by 19,575 acre-ft. and the normal inflow between Island Park and DeWiners by 13,215 acre-ft. or a total increase in both sections of 32,790 acre-ft. Thus of the 34,386 acre-ft. of apparently decreased inflow between Coffee Pot and Island Park stations 32,790 acre-ft. by-passed the Island Park dam underground and reappeared either in Buffalo River or Henrys Fork within a few miles, leaving only 1,596 acre-ft. unaccounted for during the 2-year period. This amount probably is still retained in large part as ground-storage and will return to the stream when and if the reservoir is completely drained.

While there are doubtless inaccuracies in these figures due to estimated discharges for missing periods at some of the stations on tributary creeks, errors in estimated normal gains, etc., it appears that from any reasonable interpretation of the figures one is justified in saying that the operation of Island Park Reservoir during the past two years has not resulted in any material loss of water to Snake River. A substantial amount of water leaks out of the reservoir but returns again to the stream within a few miles below the dam.

A considerable portion of the flooded area in the reservoir was formerly covered with vegetation that transpired as much water as is now lost by evaporation per acre on the reservoir surface. This fact, together with the further knowledge that evaporation losses at this high altitude where the annual precipitation is about 20 inches are considerably less than at exposed areas on the Snake River Plains,

probably furnishes the explanation for the negligible losses disclosed by the measurements.

While the losses are slight for the period as a whole there is an apparent loss during the filling period of the reservoir and during the spring and early summer months due to water going into ground storage and possibly some net evaporation losses in excess of amounts formerly transpired by the vegetation. During May and June 1939, the first year of reservoir storage, there was a temporary diminution in natural flow thus created averaging about 50 sec.-ft. During the same months in 1940 this was reduced to 32 sec.-ft. In both years these losses were more than offset by bank storage return later in the season when the reservoir was lowered.

Probably the simplest way of handling this would be to allow rights that are prior to the Island Park right to use about 2,000 acre-ft. per month of stored water from the time regulation begins in the spring until draft on Island Park Reservoir starts, this amount to be repaid later on as the reservoir is lowered and the bank storage drains back to the stream. A similar arrangement has been used at Jackson Lake for a number of years and appears to be reasonably equitable. With such a plan the cost of maintaining measuring stations on the reservoir tributaries can be eliminated and the river can be regulated from daily records of reservoir gage height and amount passing the station below the dam. The reservoir receives water from so many tributaries with variable flow and the gain between the measuring stations varied considerably in different years even before the dam was built so there is no way by which the water can be apportioned with exactness from inflow measurements, hence it is recommended that these be discontinued

and the segregation between stored water and normal flow be on a basis similar to that used at Jackson Lake.

Miscellaneous measts. on Henrys Fork watershed

Discharges of Squirrel Creek Canal, Boom Creek Canal, Conant Creek Canal and Canyon Creek Canal during the period of storage use are shown on Plate 22. Such measurements as were made earlier in the season on these canals are shown below.

Canyon Creek Canal at head.-	June 2,	disch. 43.4	sec.-ft.
	June 23,	" 44.6	"
Boom Creek Canal at head.-	May 29	" 32.5	"
	June 14	" 17.9	"
Conant Cr. Canal at head.-	May 29	" 34.8	"
	June 14	" 29.9	"
Squirrel Cr. Canal at head.-	May 29	" 4.2	"
	June 14	" 15.7	"

The following measurements were made on Sheridan Creek June 26, 1940:

Sheridan Creek above Sheridan Ranch	17.78	sec.-ft.
Howard Diversion	11.71	"
Morain Creek (diverted by Hagenbarth)	3.00	"
Total supply	32.49	"

July 12, 1940-Sheridan Cr. above Sheridan Ranch, incl. Howard diversion 25.85 sec.-ft.
Sheridan Cr. below " " 12.25 "

REGULATION IN TETON BASIN

Regulation in Teton Basin was again under the direction of Mr. I. V. Goslin, Deputy Watermaster, who worked from May 18 until the 1st of September.

The following amounts of stored water were rented by Teton Basin users during 1940.

(Acre-feet measured in Island Park Reserv.)

Trail Creek Irr.Co. 4204; String Canal Co. 2148; Grand Teton Canal 2,000; Swamp users 66; No. Leigh 29; So. Leigh 383; Spring Cr. 426; total 9,256 acre-ft. This water was rented at 40¢ per acre-ft. of which 5¢ was charged for use of Cross Cut Canal and 35¢ for the water itself.

The rented water was furnished to downstream users on the basis of delivering at the gaging station on Teton River near St.Anthony one-half the amount diverted in Teton Basin. Allowing for 2.5% loss from Island Park Reservoir to head of Cross Cut Canal and 10% loss in the Cross-Cut Canal this permitted the users in Teton Basin to divert 1-3/4 acre-ft. for each acre-ft. rented. On this basis the rented water cost them 23¢ per acre-ft. actually diverted at their headgates. Due to r ains the demand for water by prior rights on the lower Teton River dropped off early in Sept. and regulation in Teton Basin was discontinued about Sept. 6.

On Fox, Darby, Badger and the west side creeks the flow was so low in 1940 that the amounts available for delivery to earlier downstream priorities were insufficient to reach Teton River in appreciable volume if turned down the creek channels and the users on those streams were permitted to divert what water was available in accordance with the priorities on the creeks. A special effort was made in 1940 to locate and regulate all of the so-called "Swamp ditches", several of which had not been strictly regulated in previous years.

Distribution on Teton Creek and So. Leigh Creek being Wyoming and Idaho users was made jointly by Mr. Goslin and Mr. Matthew (local

Wyo. water commissioner) under the terms of a stipulated agreement that was reached in the pending litigation between Idaho and Wyoming water users. No decree has yet been handed down in this case but Mr. Bishop, State Engineer of Wyo. and Mr. Spofford, Commissioner of Reclamation of Idaho, agreed that they would operate during 1940 under the terms of the stipulation which is as follows:

IN THE DISTRICT COURT OF THE UNITED STATES FOR THE

DISTRICT OF WYOMING

IN EQUITY NO. 2447

Roxana Canal Co. et al. vs. Chas. Daniels et al

Stipulation

It is hereby stipulated and agreed by and between the above named plaintiffs and defendants in the above entitled suit that the following shall be the basis of a decree to be entered in the above entitled cause, and the court is hereby authorized to enter a decree fixing the rights of the several parties, plaintiff and defendant, in accordance with the terms of this stipulation.

That for the purpose of effecting a compromise and agreement, and to terminate the pending litigation, and to definitely establish the rights of the parties litigant, it is hereby agreed that the appropriators and water users in the State of Wyoming, who divert and use the waters of Teton Creek shall be permitted to use as much water from s aid stream as they can apply to a beneficial use until the total stream flow of the said Teton Creek and its tributaries in the State of Wyoming shall recede to one hundred seventy (170) cubic feet per second of time; that in the determination of said stream flow all diversions in Wyoming, including the Grand Teton Canal, shall be and constitute a part of the said stream flow in determining the total of the said stream flow; That when the said stream flow of the said Teton Creek, and its tributaries in Wyoming; shall recede to said one hundred seventy (170) cubic feet per second of time, the Wyoming users, who divert water above the diversion of the Grand Teton Canal, shall thereafter be limited and permitted to divert one cubic foot per second of time for each fifty (50) acres of land (being one miner's inch per acre) for Wyoming lands of the said users in the State of Wyoming, and to continue to be so regulated until the flow of the said Teton Creek, and its tributaries in Wyoming, including all the Wyoming diversions, diminishes to ninety (90) cubic feet per second of time, after which time the stream flow of the said Teton Creek, and its tributaries, is to be divided between the Wyoming and Idaho areas for the benefits of their appropriators, on a fifty-fifty basis, that is, - that Wyoming

shall be entitled to divert one-half of said stream flow and one-half of said stream flow shall be permitted to flow down said stream for Idaho. It being understood and agreed that all ditches diverting in Wyoming, and now having legal appropriations of water in Wyoming and/or Idaho, to be supplied from the one-half of said stream flow awarded to Wyoming, excepting therefrom the Grand Teton Canal which, for the sake of this agreement, although having its diversion works in the State of Wyoming, is to be considered as an Idaho appropriation, and if entitled under the laws of the State of Idaho to any of the stream flow of Te ton Creek, shall be supplied from any portion or percentage herein agreed as the portion or percentage to which Idaho shall be entitled for the benefit of its appropriators.

It is agreed by the Wyoming users that what is known as the Southside Canal, which canal supplies water to both states, Wyoming and Idaho, appropriators along the boundary line of the states, and which has been granted Wyoming permit No. 7420 for the diversion of water from Teton Creek, in Wyoming, is to be considered as a Wyoming diversion and the users in both Wyoming and Idaho supplied with water from it are to be furnished and supplied from the part or portion of the stream flow of said Teton Creek awarded Wyoming.

It is agreed that the waters of South Leigh Creek shall be distributed as follows: - the Wyoming appropriators may divert as much of the stream flow of South Leigh Creek as they can apply to a beneficial use upon their lands until the natural flow of said streams, at the Idaho-Wyoming boundary line, including all diversions from said stream above said boundary line, diminishes to a total of sixteen (16) cubic feet per second of time, at which time the Wyoming users shall be permitted and may divert one-half of the stream flow of said South Leigh Creek, the balance to flow down said stream for Idaho users.

The determination of the amount of the stream flow of the said streams, and the division of the waters thereof, as between the states, as herein agreed, shall be under the supervision and direction of the Commissioner of Reclamation of the State of Idaho, and the State Engineer of the State of Wyoming.

The distribution of water among the users of Wyoming of the part of portion of the waters of said streams which they shall be entitled to shall be under the direction and supervision of the State Engineer of Wyoming, or other proper Wyoming officer; the distribution among and to Idaho users of the part of portion herein to which they may be entitled of said stream flow shall be under the direction and supervision of the Commissioner of Reclamation of Idaho, or other proper Idaho officer.

It is agreed that all diversions within the State of Wyoming shall install diversion works and measuring devices, approved by the State Engineer of Wyoming, on all ditches and canals to make possible accurate measurements and proper administration and distribution of the waters of said creeks.

Daily discharges of various canals and streams in Teton Basin are shown on Plate 23. Other miscellaneous measurements not shown there are given below.

Loss in Darby Creek

May 21, 1940

Darby Creek above diversions at Forest Service Bridge		210.04 sec.-ft.
Spring inflow from south		0.60 "
Inflow from Arthur Bowles power plant		3.00 "
Total supply		213.64 "
Diversions:		
Floyd Winger	0 sec.-ft.	
Hill Canal	0.50 "	
Todd Canal	35.95 "	
Cannon Canal	5.00 "	
#1 Cherry Grove	27.90 "	
#2 Cherry Grove (Dan Nelson)	32.38 "	
#3 Cherry Grove	14.61 "	
Geo. Stone	5.61 "	
Total use	121.95 "	
Loss		91.69 sec.-ft.

North Channel Darby Creek dry at highway, South Channel dry 0.5 mile west of highway, middle channel dry 0.6 mile west of highway at a point 0.2 mile upstream from live water.

July 4-5, 1940

Darby Creek at Forest bridge July 4		40.5 sec.-ft.
" " " " July 5		35.0 "
Average supply		37.7 "
Floyd Winger diversion	4.5 sec.-ft.	
Leakage throuth other headgate	3.2 "	
Total diversion	7.7 "	
Loss		30.0 "

from forest bridge to point 0.5 mile upstream from live water.

During the foregoing test on Darby Creek the canals in Idaho were all closed, the diversions below the railroad track shovelled full of dirt and all the water except that noted above was allowed to flow down the Creek for 24 hours and the deputy watermaster in-

spected all the canals and diversions on four separate occasions. After 24 hours the water was making no further progress downstream. At that time there were 5 sec.-ft. at the highway 3/4 mile above live water and the stream was dry a fourth of a mile below the highway or half a mile above live water.

LOSS AND GAINS IN TETON CREEK

May 29, 1940

Teton Cr. below head of Grand Teton Canal 141.4 sec.-ft.

Accounted for:

Central Teton Canal	27.29	sec.-ft.
Price-Fairbanks Canal	23.57	"
Cordon-Christensen	13.28	"
Teton Cr. at pole line at live water	67.68	"
Total	131.82	"
Loss from head of Grand Teton Canal to live water.		9.6 sec.-ft.

July 12, 1940

Teton Cr. above all diversions 5 miles east of Wyo. line	66.31	sec.-ft.
Mill Cr. and Spring	3.0	"
Total supply	69.31	"

Diversions:

Distribution gate 1/2 mi. west of sawmill	25.98	sec.-ft.
Rigby Canal	11.10	"
So. Side Canal	15.83	"
Waddel Canal	8.59	"
Grand Teton Canal	26.64	"
Total diversions	88.14	"
Gain	18.83	"

from point 5 miles east of Wyo. line to Grand Teton Canal heading half a mile west of Wyo. line. Canals were regulated after meast. to divide water equally between Wyo. and Idaho users.

July 22, 1940

Teton Cr. above all diversions	40.58	sec.-ft.
Mill Cr. & spring	2.50	"
Total supply	43.08	"

Diversions:

Distribution gate 1/2 mi. W. of sawmill	6.71	sec.-ft.
	3.21	"
Rigby Canal	12.18	"
So. Side Canal	1.48	"
Waddell Canal	23.89	"
Grand Teton Canal	47.47	"
Total	4.39	" from point
Gain		

5 miles E. of Wyo. line to point 1/2 mi. W. of Wyo. line. The Grand Teton Canal is an Idaho Canal, the others are Wyo. canals.

July 29, 1940

Teton Cr. above all diversions		24.07 sec.-ft.
Mill Cr. & Spring		2.50 "
	Total supply	26.57 "
Diversions:		
Distribution gate 1/2 mi. W. of Sawmill	5.92 sec.-ft.	
Rigby Canal	2.64 "	
So. Side Canal	7.19 "	
Waddel "	1.33 "	
Grand Teton "	17.29 "	
Total use	34.37 "	
Gain		6.80 sec.-ft.

from point 5 mi. E. of Wyo. line to point 1/2 mi. W. of line at head of Grand Teton Canal.

Aug. 12, 1940

Teton Cr. above all diversions		17.43 sec.-ft.
Mill Cr. & Spring		2.50 "
	Total supply	19.93 "
Accounted for:		
Distribution Gate 1/2 mi. W. of sawmill	5.92 sec.-ft.	
Rigby Canal	2.07 "	
So. Side Canal	4.93 "	
Teton Cr. just above Waddel Canal	13.48 "	
Total acct. for	26.40 "	

Gain from point 5 miles E. of Wyo. line to Waddel Canal 1½ miles E. of Wyo. line 6.47 sec.-ft.

Waddel Canal	1.98 sec.-ft.
Grand Teton Canal	9.39 "
Total	11.37 "

Loss from Waddel Canal to Grand Teton Canal = 2.11 sec.-ft.

Gain from point 5 mi. E. of Wyo. line to head of Grand Teton Canal = 4.36 "

Loss in Trail Creek

May 28, 1940

Trail Creek above String Canal		220.56 sec.-ft.
Game Cr. at highway		125.48 "
	Total supply	346.04 "
Diversions:		
String Canal	71.59 sec.-ft.	
Kimball Canal	44.05 "	
Town Canal	63.76 "	
Ricks-Kearsley Canal	27.00 "	

Loss in Trail Creek -cont'd.

Diversions - cont'd.

Spencer Canal	37.55	sec.-ft.
Humble Canal	9.31	"
Tonks Canal	42.25	"
Bressler Ice Pond Canal	3.20	"
Edwards Ditch	5.00	"
Job Porter Ditch	11.06	"
Davis Ditch	3.57	"
Trail Cr. below Davis Ditch	3.00	"
Total acct. for	321.34	"

Loss from String Canal to Davis Canal 24.7 sec.-ft.

Trail Cr. at live water 0.5 sec.-ft.

Loss from Davis Canal to live water 2.5 "

Total loss String Canal to live water 27.2 "

So. Leigh Creek and diversions crossing State Line

(sec.-ft.)

Date	So.Leigh Cr.	Killpack Canal	Little Hog Canal	Lon Fullmer Canal	Big Hog Canal	Total entering Idaho
May 23,1940	123.25	8.39	10.10	2.29	77.89	221.92
May 30	123.45	10.09	11.46	2.28	87.45	234.73
June 7	65.01	6.03	6.25	2.31	61.92	141.52
June 10	37.63	5.07	7.55	.49	46.31	97.05
June 18	107.08	7.17	7.07	4.05	64.35	189.72

Gain in South Leigh Cr. from State Line to Hanks headgate below R. R. tracks

June 18, 1940 107.08 sec.-ft.

So. Leigh Cr. at State line	28.28	sec.-ft.
Zina Little diversion	3.92	"
Wm. Hansen "	1.69	"
Ed Thomas "	3.70	"
Hansen Bahr "	9.85	"
#1 C. Fullmer "	7.16	"
#2 C. Fullmer "	1.00	"
Hilliard "	51.65	"
Hanks diversion channel	12.68	"
Gale diversion	16.00	"
Moffat "	6.60	"
Bell-McCracken channel	24.15	"
So. Leigh Cr. below R.R. tracks	166.68	"
Total acct. for		59.60 sec.-ft.
Gain in section		

On July 18 there were 3.5 sec.-ft. in So. Leigh Creek at the State line and the Creek was dry three-fourths of a mile west of the State Line. Creek was returned to local users for regulation on July 19.

On July 22, 1940 So. Leigh Cr. was flowing 13.71 sec.-ft. above all diversions in Wyo. Goslin and Matthews after regulation delivered 6.96 sec.-ft. to L. Y. Matthews in Hog and North Alta Canals, leaving 6.75 sec.-ft. for Idaho users.

On Aug. 5 the North Alta Canal was diverting 4.66 sec.-ft. and 5.24 sec.-ft. were passing down the Creek below this canal. On Aug. 19 the North Alta Canal was diverting 2.66 sec.-ft. with 4.25 sec.-ft. flowing below.

Discharge of West Side Creeks - 1940
(sec.-ft.)

Stream	May 24	June 4	July 11	Aug. 13
Packsaddle Cr. above diversion	21.8		3.4	1.2
Dude Cr. at Mrs. Genie Giffords	0.9		0.4	0.2
Horseshoe Cr. above diversions	20.9		5.0	3.0
Twin Creeks (3 forks)	7.0		1.0	0.4
Mahogany Creek above diversions	32.2	17.5	5.4	3.8
Paradise Cr. at Millers Pond	1.6		2.2	1.2
Boquet Cr. above diversions	1.5		1.0	0.8
Patterson Cr. " "	3.7		1.4	0.8
Creek North of Grove Cr.	0.5		0.3	0.3
Grove Cr. above diversions	1.0		0.8	0.5
Warm Cr. N.W. above Fred Drakes house	1.3		0.8	0.5
Drake Cr. Spg.	0.2		0.1	0.1
Drake Cr. (Johns Cr.)	3.1		0.8	0.8
Deep Cr. S.E. Fred Drakes house	0.9		0.2	0.2
Little Pine Cr. above diversions	5.5		0	0
Warm Cr. at hy. bridge SW of Victor	2.2		9.6	2.1

Cherry Grove Canal at head July 2, 1940 Gage 3.93; Disch. 8.7 sec.-ft.

Tetonia Canal at head July 2, 1940 Gage 2.44; Disch. 11.0 sec.-ft.

SWAMP CREEK MEASUREMENTS

June 11, 1940

Swamp Creek above head #1 Swamp Ditch 1.5 mi. NW. of Driggs	11.38 sec.-ft.	
#1 Swamp Ditch at head on Swamp Creek 1.5 mi. NW. of Driggs	9.19 sec.-ft.	
#3 Swamp Ditch 3.25 mi. NW. of Driggs	1.00	
Swamp Creek above head #2 Swamp Ditch 3.5 mi. NW. of Driggs	14.38	
Total accounted for without regards to other possible unknown diversions	24.57	sec.-ft.
Gain in Swamp Creek Channel in 2 mi. stretch without regards to diversions	13.19	sec.-ft.
#1 Swamp Ditch 1.5 mi. NW. of Driggs	9.19	sec.-ft.
#1 " " 3.75 mi. " " "	12.80	"
Gain in #1 Swamp Ditch in 2.25 mi. without taking into consideration any diversions from this lateral	3.61	sec.-ft.
#2 Swamp Ditch at head on Swamp Creek 3.5 mi. NW. of Driggs	7.37	sec.-ft.

July 23, 1940

Swamp Creek 3.5 mi. west 0.6 mi. north of center of Driggs, 0.75 mi. east of Teton River	16.61	sec.-ft.
Swamp Creek 3.5 mi. west 1.1 mi. north of center of Driggs, 1.0 mi. east of Teton River	24.69	"
Swamp Creek 3.5 mi. west 1.9 mi. north of center of Driggs 1.0 mi. east of Teton River, near Bevan ranch	7.85	"
Swamp Creek 3.5 mi. west 2.6 mi. north of center of Driggs 1.0 east of Teton River near Canute Michelson Ranch	2.18	"
Swamp Creek 3.5 mi. west 3.3 mi. north of center of Driggs, 1.0 mi. east of Teton River	1.50	"
Total amount leaving Swamps West and north of Driggs	52.83	"

The preceding measurements were made after Swamp Ditches were closed and water turned down natural channels. At the time of the above measurements it is estimated that 8.0 sec.-ft. were leaking through the canal headings into various ditches.

Aug. 7, 1940

Swamp Creek 3.5 mi. west 0.6 mi. north of center of Driggs; 0.75 mi. east of Teton River	15.65 sec.-ft.
Swamp Creek 3.5 mi. west 1.1 mi. north of center of Driggs; 1.0 mi. east of Teton River	19.15 "
Swamp Creek 3.5 mi. west 1.9 mi. north of center of Driggs; 1 mi. east of Teton River near Bevan ranch	7.27 "
Swamp Creek 3.5 mi. west 2.6 mi. north of center of Driggs; 1 mi. east of Teton River near Canute Michelson ranch	0.63 "
Swamp Creek 3.5 mi. west 3.3 mi. north of center of Driggs; 1 mi. east of Teton River	0.50 "
Total amount leaving swamps west and north of Driggs	43.20 "
Cache Canal below flume and above Spring Creek 1 mi. north & 2 mi. west of Driggs	1.21 "
Spring Creek that empties into Cache Canal 1 mi. north & 2 mi. west of Driggs	3.05 "
Total supply at this point	4.26 "
Cache Canal after leaving Swamps at road bridge 3.75 mi. northwest of Driggs	6.60 "
Gain in section from Spring Creek to road bridge at edge of Swamps	2.34 "
Total gain in Cache Canal from upper head 1.5 mi. northwest of Driggs to road bridge 3.75 mi. northwest of Driggs	3.55 "

Note: Both the upper and lower heads of the Cache Canal were closed at the time of the above measurements.

DISTRIBUTION IN SWAN VALLEY SECTION

Mr. F. S. Thomas of Irwin was again appointed as Deputy Watermaster in this section. Water users purchased 2409 acre-feet of storage from the Pool and were allowed to divert twice that amount according to the practice that has been followed for some years past on the headwater areas. Discharges on several streams in the Swan Valley section are shown on Plate 23.

CLIMATOLOGICAL DATA

Precipitation records at various points are shown in the following table

Precipitation in Inches

(Actual and normal for year ending Sept.30,1940)

Month	Snake R.,Wyo.		Moran, Wyo.		Afton,Wyo.		Bechler,Wyo.		Irwin,Ida.	
	Act.	Nor.	Act.	Nor.	Act.	Nor.	Act.	Nor.	Act.	Nor.
Oct.1939	2.22	2.10	1.12	1.58	1.44	1.64	2.70	2.92	1.36	1.22
Nov.	0	2.04	0.10	1.69	0	1.88	0	2.95	0	1.00
Dec.	2.43	2.66	1.60	1.76	0.52	1.30	3.58	4.14	.75	1.17
Jan.1940	4.54	3.68	3.62	2.46	2.67	1.37	5.41	5.54	3.68	1.50
Feb.	5.60	2.98	2.72	2.20	1.44	1.23	10.23	3.67	2.18	1.12
Mar.	3.58	3.61	1.43	2.56	1.03	1.62	6.81	4.90	.78	1.32
Apr.	4.08	1.96	2.85	1.60	2.15	1.58	5.35	3.00	2.77	0.86
May	0.63	2.40	0.81	1.98	0.92	2.12	0.62	3.42	.97	1.66
June	1.48	2.19	1.98	1.57	1.70	1.48	3.02	3.46	2.30	1.38
July	1.05	1.52	0.48	1.12	0.55	1.03	1.57	2.32	2.35	.93
Aug.	0.32	1.48	0.90	1.34	0.40	1.32	0.12	1.31	0.32	.98
Sept.	4.47	1.78	4.02	1.61	2.98	1.52	2.84	1.68	4.10	1.24
Year	30.40	28.40	21.63	21.47	15.80	18.09	42.25	39.31	21.56	14.38

Month	Ashton		Idaho Falls		Pocatello		Twin Falls		Mean 9 Stas.	
	Act.	Nor.	Act.	Nor.	Act.	Nor.	Act.	Nor.	Act.	Nor.
Oct.1939	1.23	1.20	.38	1.06	.57	1.16	1.41	0.90	1.38	1.53
Nov.	0	1.19	0	.61	.02	.89	0.19	1.08	.03	1.48
Dec.	1.57	1.56	.58	.97	.72	1.21	.27	.89	1.34	1.74
Jan.1940	2.65	1.82	2.11	1.10	2.61	1.39	2.26	1.09	3.28	2.22
Feb.	3.35	1.29	1.37	1.03	1.98	1.31	.84	.91	3.30	1.75
Mar.	1.91	1.14	.91	.86	1.06	1.31	.42	.98	1.99	2.03
Apr.	2.79	1.18	2.05	0.89	1.03	1.60	2.90	.98	2.89	1.52
May	.68	1.97	.20	1.37	.05	1.51	.05	.99	0.55	1.94
June	1.96	1.44	1.10	1.10	.38	1.05	.31	.68	1.58	1.59
July	.90	.93	.69	.61	.21	.85	0	.37	.08	1.07
Aug.	0.66	0.70	0.05	0.61	0.12	0.64	0.02	0.21	.32	.95
Sept.	3.02	1.16	3.46	0.81	3.80	0.93	3.21	0.55	3.54	1.25
Year	20.72	15.58	12.90	11.02	12.55	13.85	11.88	9.63	20.28	19.07

In spite of deficient run-off the precipitation was above normal for the year at all points except Afton and Pocatello. At many stations, however, this only occurred as the result of the heavy September precipitation which was mostly absorbed by the dry soil on the watershed. The great deficiency in precipitation during May 1940 is noticeable and a study of past records indicates that whenever May is a dry month with temperatures above normal the years run-off is usually below normal and less than indicated by the March-April snow measurements. Temperature during May at Moran was 3° above normal and in fact averaged 2° above normal during the 4-month period March to June, incl., while the snow was melting.

There are 5740 square miles of drainage area above Heise and each inch of moisture removed by evaporation or transpiration from this area represents about 300,000 acre-ft. or 6% of the average annual run-off. A few degrees increase in mean temperature during the spring months may cause enough increase in evaporation losses from the snow fields to substantially decrease the run-off.

EXPENDITURES DURING YEAR ENDING DEC. 31, 1940

Engineers & Hydrographers

Lynn Crandall	Salary 1 year	$4874.97
W. V. Iorns	" "	3156.62
Melvin Luke	" 3.93 mos. @ $180	708.00
L. K. Homer	" 3.37 mos. @ $150	505.00
F. W. Tolles	" 3.43 mos. @ $145	497.83
I. V. Goslin	" 3.43 mos. @ $145	497.83
Robt. W. Ferebauer	" 12/30 mo. @ $150	60.00

Clerk

Effie C. Jones	Salary 1 year	$1680.00

River Riders

D. W. Archibald	137 days @ $6 incl. mileage	$ 822.00
D. R. Crystal	129 days @ $5.50 " "	709.50
A. C. Kelly	55 days @ $5.50 " "	302.50
Eugene Liljenquist	133 days @ $5.00 " "	665.00
H. M. Bramwell	129 days @ $5.50 " "	709.50
F. S. Thomas	86 days @ $5.00 " "	430.00
Joe Bohi	66 days @ $5.00 " "	330.00
Walter C. Lenz	2.97 mos. @ $40.00 " "	118.67

Miscellaneous

Transportation, 48,704 miles @ 5¢ a mile	$2435.20
Telephone & Telegraph	309.75
Supplies and equipment	1314.99
Gage Readers	605.86
Construction and repairs	193.38
Bond premium & insurance	95.72
Miscellaneous	282.00
Total,	$21,304.32

Expenditures from various funds

Normal Flow users	8,309.20
Jackson Lake & American Falls storage	5,461.91
Storage Sales account	343.56
Henrys Lake Storage users	71.99
Twin Lakes " "	5.56
State of Idaho Stream Gaging Fund	873.32
U. S. Geological Survey	6,238.78
Total	$21,304.32

In addition to the foregoing, upper valley members of the Committee of Nine were paid $136.50 for services at $5 per day and expenses, which were pro-rated among upper valley canals.

Funds on hand Jan. 1, 1941

Normal Flow fund	$2,218.75
North Fork Reservoir Co.	0
Twin Lakes storage users	0
Storage Sales account	8,153.43
U. S. Geological Survey	107.72
Total	$10,479.90

PLATE I

MAP SHOWING PRINCIPAL STREAMS AND GAGING STATIONS

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

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MAP SHOWING PRINCIPAL STREAMS AND GAGING STATIONS

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8	SNAKE RIVER AT NEELEY, IDA.
9	LAKE WALCOTT NR. MINIDOKA, IDA.
10	SNAKE RIVER NR. MINIDOKA, IDA.
11	NORTH SIDE CANAL NR. MINIDOKA, IDA.
12	SOUTH SIDE CANAL NR. MINIDOKA, IDA.
13	LAKE MILNER AT MILNER, IDA.
14	NORTH SIDE TWIN FALLS CANAL AT MILNER, IDA.
15	GOODING CANAL AT MILNER, IDA.
16	P.A. LATERAL NR. MILNER, IDA.
17	SOUTH SIDE TWIN FALLS CANAL AT MILNER, IDA.
18	MILNER LOW LIFT NR. MILNER, IDA.
19	SNAKE RIVER AT MILNER, IDA.
20	HENRYS FORK NR. LAKE, IDA.
21	HENRYS LAKE NR. LAKE, IDA.
22	HENRYS FORK AT WARM RIVER, IDA.
23	HENRYS FORK NR. ASHTON, IDA.
24	FALL RIVER NR. SQUIRREL, IDA.
25	FALL RIVER NR. CHESTER, IDA.
26	HENRYS FORK AT ST. ANTHONY, IDA.
27	TETON RIVER NR. ST. ANTHONY, IDA.
28	HENRYS FORK NR. REXBURG, IDA.
29	BLACKFOOT RIVER NR. BLACKFOOT, IDA.
30	HENRYS FORK NR. ISLAND PARK, IDA.
31	ISLAND PARK RESERVOIR NR. ISLAND PARK, IDA.

HYDROGRAPH FOR JACKSON LAKE RESE

March

1938-39

1936-37

1939-40

1937-38

1933-34

1935-36

1934-35

Checked by

Date

Plate No. 2

DEPARTMENT OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES BRANCH

HYDROGRAPH FOR AMERICAN FALLS RESE

November | December | January | February | March | April | May

1938-39
1936-37
1937-38
1939-40
1933-34
1935-36
1934-35

Acre-feet

1 140 000
1 040 000
940 000
840 000
740 000
640 000
540 000
440 000
340 000
240 000
140 000
40 000

Plotted by

Date

Plate No. 3

1934
1935
1937
1938
1939
1940

DIAGRAM SHOWING TOTAL ANNUAL RUNOFF IN ACRE-FEET OF SNAKE RIVER AT NEELEY, IDAHO

(MONTGOMERY FERRY PRIOR TO 1907)

Plate No. 4

ANNUAL RUNOFF IN MILLIONS OF ACRE-FEET

1 2 3 4 5 6 7 8

Average Run-off 5,764,000

1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940
6,443,000	7,299,000	6,291,000	7,508,000	No Record	5,125,000	5,445,000	5,452,000	7,228,000	4,147,000	5,168,000	8,486,000	6,773,000	8,541,000	7,356,000	7,077,000	8,042,000	8,601,000	7,549,000	4,953,000	6,824,000	8,119,000	7,590,000	4,606,000	5,324,000	6,773,000	6,017,000	5,628,000	3,902,000	6,282,000	4,789,000	4,470,000	6,743,000	4,270,000	4,242,000	3,297,000	4,013,000	4,022,000	2,568,000	3,289,500	4,724,000	3,768,000	5,092,000	4,121,000	3,554,000		

Note: Runoff totals are for water year ending Sept. 30 and are corrected for American Falls Reservoir Holdovers.

DIAGRAM SHOWING TOTAL ANNUAL RUNOFF IN ACRE-FEET OF SNAKE RIVER AT MORAN, WYO.

ANNUAL RUNOFF IN HUNDREDS OF THOUSANDS OF ACRE-FEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14

1,302,000	1904
780,000	1905
899,000	1906
1,270,000	1907
1,124,000	1908
1,461,000	1909
1,238,000	1910
1,344,000	1911
1,214,000	1912
1,436,000	1913
1,149,000	1914
769,800	1915
1,223,000	1916
1,238,000	1917
1,249,000	1918
685,200	1919
992,600	1920
1,048,000	1921
1,007,000	1922
944,500	1923
648,200	1924
1,328,000	1925
743,400	1926
1,416,000	1927
1,331,000	1928
866,100	1929
794,000	1930
575,800	1931
992,100	1932
878100	1933
628400	1934
933,700	1935
1069,000	1936
779,400	1937
1,146,000	1938
891,900	1939
794,500	1940

Average 1,033,000

Note: Runoff totals are for water year ending Sept. 30 and are corrected for Jackson Lake holdovers.

PLATE NO. 5

PLATE NO. 5

DAILY DISCHARGE IN SEC-FT. OF SNAKE RIVER CANALS FOR MAY 1940

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	0	0	0	0	0	0	0	8	15	17	20	20	19	20	24	21	20	19	20	24	24	18	23	24	24	31	33	31	25	25	32	559
ANDERSON	40	60	68	72	72	72	70	70	107	162	162	159	156	162	171	171	169	269	269	269	269	386	387	391	391	391	391	391	391	391	391	6920
EAGLE ROCK	20	20	20	24	22	20	20	20	109	109	109	218	328	306	308	320	408	408	488	488	488	596	611	539	490	440	412	410	410	410	410	8981
FARMERS FRIEND	54	30	30	30	30	40	40	40	150	160	175	189	194	269	298	353	353	353	353	353	349	335	325	349	353	353	353	353	353	353	353	7323
ENTERPRISE	20	20	20	20	20	20	30	36	40	50	100	144	144	144	144	144	174	171	138	134	164	150	165	175	189	189	189	189	189	189	189	3690
NELSON	0	0	0	0	0	0	0	0	0	0	6	6	6	5	4	2	2	3	3	3	3	2	1	3	4	4	3	3	3	3	2	71
MATTSON & CRAIG	0	0	0	0	0	0	2	2	2	1	1	1	1	1	19	19	19	17	14	14	8	10	10	7	13	13	24	24	20	20	20	282
RANSBERGER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	4	4	4	4	5	5	4	35
BUTLER ISLAND	13	13	13	14	14	15	15	16	16	20	40	47	47	45	44	42	42	42	43	42	43	48	48	48	47	48	48	48	48	47	48	1104
ROSS & RAND	0	0	0	0	0	2	2	2	2	2	3	3	3	3	3	3	3	2	7	8	8	8	7	5	5	5	5	5	5	5	5	111
STEELE	0	0	0	0	0	0	0	0	0	0	0	5	5	6	6	7	7	7	7	7	7	7	10	9	8	10	10	10	9	9	9	155
HARRISON	0	0	0	0	0	0	121	194	273	287	390	431	437	352	366	466	466	466	466	466	466	466	466	456	460	466	466	466	466	466	466	10291
CHENEY	4	4	4	3	3	3	2	2	2	2	6	6	6	6	6	3	3	3	6	6	6	7	5	6	6	4	5	5	5	5	5	139
BOOMER	10	10	10	10	20	20	30	31	87	108	181	194	197	197	189	139	139	139	139	139	139	139	139	131	139	141	143	144	144	145	145	3538
RUDY	6	6	6	6	6	20	20	20	26	26	39	44	69	81	72	53	54	53	54	54	52	51	51	46	48	51	48	54	64	61	67	1308
KITE & NORD	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	5	5	5	5	5	6	7	7	9	9	9	9	9	9	9	9	127
BURGESS	0	203	78	78	78	320	320	338	453	552	652	660	670	818	774	778	800	800	804	804	804	804	804	812	800	804	804	804	804	804	804	18828
CLARK & EDWARDS	59	59	59	0	0	0	0	0	0	0	0	73	70	70	75	70	70	69	68	68	67	67	66	60	66	71	71	71	71	71	71	1562
LOWDER	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	18	43	42	41	41	39	40	42	42	42	42	42	41	39	44	700
JENNINGS	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	4	3	3	3	3	3	5	6	7	6	6	7	7	0	70
EAST LABELLE	21	20	29	31	34	36	26	15	41	51	51	0	0	0	0	57	56	54	111	111	113	114	121	127	131	126	138	138	134	124	124	2134
SUNNYDELL	37	34	37	35	35	35	34	37	50	58	64	96	96	114	145	147	149	146	142	140	135	127	123	135	141	137	142	149	146	147	141	3154
LENROOT	64	69	70	72	72	70	69	78	98	104	132	158	148	162	166	163	166	140	132	114	112	106	104	146	148	131	148	142	128	156	160	3733
REID	50	62	62	62	38	38	38	62	71	111	128	139	145	157	162	152	152	156	152	152	152	152	152	152	152	146	152	152	152	152	152	3755
TEXAS FEEDER	56	56	62	140	140	150	150	153	153	157	157	168	168	178	184	177	268	270	268	262	247	251	243	253	260	247	251	257	263	276	274	6138
NELSON COREY	0	0	0	0	0	0	0	0	0	0	12	12	13	14	15	15	14	14	14	13	12	12	10	11	11	13	13	13	14	14	14	273
HILL PETTINGER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	5	15
RIGBY	40	41	41	45	50	60	72	81	82	123	161	181	162	176	170	161	161	161	161	160	161	161	161	161	160	160	160	173	168	167	169	4090
ISLAND	40	40	30	30	30	40	50	60	60	76	80	97	132	126	115	110	107	139	145	149	154	153	160	179	187	178	179	181	179	178	169	3553
DILTS	8	8	8	8	10	12	12	12	12	12	12	12	17	24	25	25	24	24	26	26	24	29	28	28	28	28	29	29	29	29	29	627
W. LABELLE & L. ISLAND	106	58	106	106	106	106	124	129	127	127	127	127	225	234	234	234	397	418	459	462	518	516	518	518	518	447	517	516	516	502	510	9658
PARKS & LEWISVILLE	6	6	6	6	6	118	173	173	162	221	231	239	247	270	263	257	297	304	295	288	321	321	331	346	336	79	345	356	343	352	352	7050
NORTH RIGBY	0	0	0	0	0	0	49	49	50	50	50	50	50	50	51	51	51	51	50	51	49	47	47	51	51	51	51	51	51	51	51	1254
WHITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	4	4	4	4	4	8	7	7	7	7	7	78
ELLIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	6	6	6	5	5	5	37
BRAMWELL	0	0	0	0	0	0	0	0	0	0	3	6	6	6	7	3	3	4	4	4	4	4	4	4	4	4	4	4	6	9	7	97
BUTTE & MKT. LAKE	87	87	80	80	87	100	104	107	112	121	156	142	157	172	202	217	247	252	257	262	256	287	287	351	375	350	366	382	389	368	385	6845
OSGOOD	0	0	0	0	0	0	25	25	25	50	73	73	74	92	92	89	108	106	106	106	106	119	118	119	118	118	118	118	118	118	118	2332
BEAR ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	2	0	2	3	2	3	2	19
SMITH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	1	8
KENNEDY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	25	25	25	25	25	30	30	30	38	38	38	38	377
IDAHO	202	293	283	283	305	375	426	480	478	656	787	833	929	929	960	1040	1040	1030	1040	1030	1020	998	970	982	982	994	1010	1010	1010	1010	1010	24385
GREAT WESTERN	90	90	93	95	110	121	126	167	248	262	259	268	306	330	376	392	415	431	433	433	452	417	398	406	404	394	389	397	397	398	398	9495
PORTER	47	47	47	50	60	70	80	95	135	132	158	199	197	205	215	215	219	213	210	206	217	195	191	211	213	216	220	224	220	215	215	5137
COY & KELLER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	0	0	0	0	0	2	0	1	0	0	0	1	11
WOODVILLE	35	35	35	35	35	35	35	35	35	35	58	57	57	60	63	63	73	73	74	79	79	77	73	70	78	75	75	77	77	67	68	1823
SNAKE RIVER VALLEY	84	81	81	173	184	184	220	294	299	470	518	527	552	623	655	633	653	655	561	554	589	520	569	653	641	639	635	633	607	552	609	14648
TOTAL HEISE TO SHELLEY	1204	1442	1378	1508	1567	2082	2485	2831	3520	4312	5118	5601	6051	6430	6628	6817	7354	7516	7586	7560	7697	7779	7810	8056	8089	7710	8056	8126	8072	8025	8090	176500
RESERVATION	383	355	443	508	528	538	519	560	638	660	651	638	629	617	595	626	615	612	601	600	596	602	613	599	651	652	628	618	602	615	626	18043
BLACKFOOT	0	0	0	221	221	221	221	230	256	283	310	338	332	321	363	353	356	359	342	360	354	363	370	348	377	375	374	374	356	354	348	9101
NEW LAVA SIDE	40	50	62	68	78	95	107	146	176	179	168	157	153	153	150	151	152	151	148	148	147	145	150	156	157	154	154	157	160	158	152	4222
PEOPLES	268	312	312	372	434	400	392	451	499	546	606	430	449	429	423	428	430	430	425	417	436	436	432	436	440	432	428	432	434	432	440	13231
ABERDEEN-SPRINGFIELD	547	598	656	713	774	839	895	956	1020	1080	1140	1190	1230	1250	1250	1240	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	34128
CORBETT	101	101	101	101	120	135	145	160	170	160	160	148	170	180	183	165	165	167	174	160	148	142	128	114	132	175	207	172	150	227	198	4859
NIELSEN-HANSEN	0	0	0	0	0	0	1	2	2	2	3	3	4	13	13	13	14	16	16	15	15	16	10	4	12	12	12	12	12	12	12	246
RIVERSIDE	86	86	86	86	90	96	102	104	108	111	115	118	109	112	111	108	124	102	99	97	93	95	92	105	114	116	113	113	113	108	112	3224
DAINSKIN	119	157	174	191	191	191	199	185	171	164	157	152	164	195	205	187	183	181	179	178	171	175	165	172	186	227	177	202	190	184	181	5553
TREGO	36	37	36	46	47	48	44	47	50	56	54	78	74	33	53	56	56	53	55	56	54	51	67	59	61	68	61	69	63	54	62	1684
WEARYRICK	10	10	10	10	20	40	51	55	59	60	60	60	50	74	79	76	73	71	64	53	51	47	42	43	43	71	75	76	81	84	83	1681
WATSON	62	103	101	99	99	100	100	96	93	118	100	99	110	132	132	132	130	129	130	134	110	115	99	79	94	139	124	130	133	134	120	3492
PARSONS	16	16	16	16	20	22	24	24	25	26	26	26	29	26	27	24	25	24	23	23	22	22	21	16	20	26	24	24	25	26	24	706
TOTAL SHELLEY TO CLOUGH	1588	1825	1997	2431	2622	2725	2810	3016	3267	3445	3550	3437	3511	3536	3584	3559	3573	3545	3526	3491	3455	3459	3439	3376	3537	3497	3627	3629	3669	3638	3608	100172

PLATE NO. 1

DAILY DISCHARGE IN SEC.-FT. OF SNAKE RIVER CANALS FOR JUNE 1940

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	24	28	24	24	24	15	17	12	10	11	11	11	21	21	23	24	30	30	30	31	31	31	25	25	19	25	31	31	25	25	589
ANDERSON	391	391	391	391	194	80	141	218	218	141	119	118	329	337	325	325	325	388	388	388	388	388	388	379	362	372	372	372	372	372	9359
EAGLE ROCK	410	410	410	410	225	150	305	305	305	208	208	222	476	476	476	476	476	476	513	513	513	513	513	513	521	521	551	561	561	561	13114
FARMERS FRIEND	353	353	353	353	359	176	189	184	187	178	298	291	353	363	353	353	353	353	389	389	367	353	353	354	354	354	351	351	349	349	9715
ENTERPRISE	189	189	189	189	102	108	101	97	97	94	140	132	130	221	207	188	188	188	188	188	187	186	184	183	121	108	75	121	124	123	4537
NELSON	3	4	0	2	0	0	0	0	0	1	0	0	0	0	6	6	6	0	0	0	0	0	0	0	0	0	3	0	3	4	38
MATTSON & CRAIG	21	21	18	10	6	8	2	2	2	2	2	1	1	9	3	4	7	16	16	15	15	13	14	18	9	10	9	8	8	9	279
ARNSBERGER	6	6	6	4	2	6	3	3	3	2	0	0	0	0	3	5	5	5	5	5	4	0	3	2	2	0	0	0	0	0	80
BUTLER ISLAND	48	50	50	50	50	44	43	43	43	43	46	48	48	49	49	49	48	48	50	50	48	49	49	48	48	47	47	49	49	49	1432
ROSS & RAND	5	5	5	4	4	3	3	3	3	3	4	4	3	3	2	1	1	1	1	1	3	2	3	3	3	2	2	3	4	5	89
STEELE	9	8	8	7	7	6	4	4	6	6	5	8	8	8	9	8	8	8	8	8	7	8	7	8	8	8	8	8	8	7	220
HARRISON	461	460	466	466	466	370	317	314	238	229	347	428	456	456	462	453	453	458	470	473	473	470	470	470	471	473	466	466	466	466	12445
CHENEY	5	8	8	8	9	6	6	5	6	5	7	6	7	7	7	7	7	7	7	6	6	6	6	7	6	7	7	6	6	6	196
BOOMER	146	148	153	138	139	136	129	128	104	97	113	131	139	132	130	127	132	132	137	138	139	138	135	133	131	128	139	139	137	135	3983
RUDY	71	68	68	57	59	55	37	37	29	26	21	18	21	46	54	52	57	59	47	60	64	65	65	63	62	60	60	60	60	59	1560
KITE & NORD	8	9	8	8	8	0	0	0	0	0	0	5	6	5	6	6	6	6	7	7	7	7	8	8	7	8	9	9	9	9	176
BURGESS	804	804	804	804	804	622	670	592	592	576	631	738	831	831	844	831	831	831	804	804	804	804	804	804	812	774	717	774	774	800	22915
CLARK & EDWARDS	71	71	72	72	72	63	67	67	71	68	71	66	70	70	71	70	70	68	68	69	68	67	68	72	71	71	70	69	70	70	2083
LOWDER	45	44	31	42	33	31	28	26	28	24	30	22	25	27	18	23	39	47	44	47	47	48	47	36	37	37	37	47	46	43	1079
JENNINGS	0	6	6	6	6	6	3	4	0	0	0	0	0	0	4	6	7	9	8	5	5	5	6	10	10	8	8	8	0	0	136
EAST LABELLE	124	123	123	122	122	99	88	89	93	86	104	94	106	125	125	125	125	129	125	125	125	125	126	125	125	125	120	124	123	122	3492
SUNNYDELL	167	171	170	159	142	70	74	72	73	71	65	63	105	110	132	161	167	178	180	184	185	174	179	174	167	120	97	113	103	102	3929
LENROOT	144	166	132	119	143	110	100	95	96	90	113	89	118	139	175	169	156	188	221	221	216	136	138	138	134	96	124	121	144	145	4226
REID	152	152	152	147	122	126	104	99	100	95	52	47	65	106	152	154	158	158	153	153	152	152	145	146	146	145	147	149	152	146	3927
TEXAS FEEDER	276	272	276	268	279	279	279	274	285	262	197	193	266	274	276	276	275	274	276	274	276	276	274	276	270	262	268	264	218	218	7933
NELSON COREY	14	18	16	15	13	17	16	15	15	14	7	7	11	12	18	19	19	19	17	16	16	14	18	18	16	17	18	17	16	16	464
HILL PETTINGER	6	6	6	6	5	5	4	4	4	4	3	2	2	2	4	4	6	6	6	6	6	5	7	6	3	4	3	3	3	3	134
RIGBY	167	167	165	156	168	123	146	146	148	163	148	152	163	163	160	159	160	160	162	155	155	155	155	159	158	157	156	154	153	153	4686
ISLAND	180	181	178	175	183	158	148	151	155	150	158	146	160	164	169	174	174	169	170	180	178	186	193	183	181	188	201	180	184	173	5170
DILTS	29	24	32	33	35	23	19	20	22	19	23	19	23	25	25	24	25	26	27	27	27	28	28	23	23	26	28	28	11	28	755
W. LABELLE & L. ISLAND	513	513	510	510	456	427	424	322	323	326	356	340	440	451	454	456	456	453	491	508	516	516	518	518	521	521	527	524	516	513	13919
PARKS & LEWISVILLE	352	352	352	261	352	235	287	211	212	209	270	263	288	329	348	307	361	369	362	352	352	352	352	352	352	352	356	352	352	352	9594
NORTH RIGBY	51	51	51	51	51	49	45	45	49	47	51	49	47	51	51	51	51	51	55	51	51	50	51	51	51	51	50	50	52	49	1504
WHITE	7	7	6	6	6	6	4	3	3	4	5	4	5	5	5	5	5	5	6	5	5	5	5	5	5	5	5	5	5	5	152
ELLIS	5	5	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	4	4	5	5	5	4	4	4	4	4	6	6	7	79
BRAMWELL	10	10	10	11	11	11	2	2	1	1	1	1	6	7	8	9	10	10	10	10	8	8	8	8	9	9	9	9	8	9	227
BUTTE & MKT. LAKE	369	372	366	356	334	362	350	327	67	0	0	0	0	144	186	248	334	338	364	354	351	348	346	344	343	346	350	351	345	350	8345
OSGOOD	116	105	107	108	109	106	106	108	107	106	106	106	109	106	112	112	112	112	112	112	114	115	0	0	0	0	119	117	115	115	2872
BEAR ISLAND	3	3	3	3	0	0	0	0	0	2	3	3	3	0	3	0	0	3	0	3	3	3	0	3	3	3	3	3	3	0	56
SMITH	1	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	1	1	0	0	1	0	0	1	0	1	0	1	0	10
KENNEDY	38	38	38	40	39	38	38	38	37	36	35	35	34	36	38	38	37	35	35	35	35	36	36	35	35	34	34	34	34	34	1085
IDAHO	1010	1010	1010	1010	672	527	612	612	533	632	660	846	842	994	991	985	984	994	1010	1000	1010	1010	904	1000	1000	991	998	1090	1070	1190	27197
GREAT WESTERN	408	410	410	408	392	384	387	389	379	381	394	403	397	392	394	384	381	384	384	406	428	450	444	447	450	452	450	455	452	450	12345
PORTER	211	221	217	221	207	193	195	197	184	171	166	176	187	207	211	214	218	221	214	221	216	211	211	211	205	201	203	202	202	193	6107
COY & KELLER	1	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	1	2	2	0	0	0	0	0	0	1	0	0	11
WOODVILLE	73	73	72	71	70	68	50	49	44	44	42	38	46	65	72	79	75	75	66	75	73	75	73	73	69	67	76	83	83	80	1999
SNAKE RIVER VALLEY	643	601	569	571	353	305	346	343	342	340	364	408	471	573	625	577	571	591	603	617	607	597	593	595	581	573	581	607	621	613	15781
TOTAL HEISE TO SHELLEY	8195	8146	8041	7873	6833	5604	5899	5655	5215	5047	5457	5783	6817	7543	7791	7746	7911	8121	8234	8294	8288	8186	7957	8037	7907	7792	7899	8122	8043	8198	220624
RESERVATION	612	617	624	612	600	533	268	290	161	168	355	556	590	613	667	662	643	610	590	538	542	615	609	610	601	598	612	617	431	129	15673
BLACKFOOT	370	354	359	350	255	160	171	125	124	122	118	153	284	346	370	331	300	295	306	321	332	340	331	383	348	348	354	362	376	368	8756
NEW LAVA SIDE	153	154	155	150	90	95	104	114	106	103	113	110	143	153	151	150	150	146	141	142	149	142	150	151	150	150	150	149	148	149	4117
PEOPLES	430	428	427	423	430	411	436	376	374	354	358	391	423	423	421	421	425	415	423	419	420	434	419	423	423	411	421	423	421	419	12422
ABERDEEN-SPRINGFIELD	1250	1250	1250	1250	1250	1250	1250	1240	1200	1210	1230	1240	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1220	1150	37240
CORBETT	194	188	166	171	126	88	88	88	86	112	112	132	137	129	154	221	78	187	180	194	189	175	168	178	156	135	139	170	146	146	4433
NIELSEN-HANSEN	14	15	2	2	2	2	2	2	2	2	2	2	18	14	13	13	12	13	14	16	16	18	18	19	14	8	9	11	3	11	289
RIVERSIDE	105	101	102	94	92	94	95	95	65	64	62	74	70	100	96	113	104	101	97	94	93	90	87	106	101	102	97	95	93	95	2777
DANSKIN	177	177	176	176	144	55	56	60	50	164	126	176	165	162	164	179	159	155	165	169	174	167	163	165	170	191	169	187	183	190	4614
TREGO	63	60	63	64	67	43	45	44	38	37	40	47	45	32	54	65	67	64	62	62	68	66	61	59	59	63	53	0	0	0	1491
WEARYRICK	81	76	78	60	60	18	20	21	22	22	21	53	48	44	55	74	47	48	61	0	47	45	42	39	36	40	36	38	36	48	1316
WATSON	126	118	120	122	122	125	126	102	102	102	122	118	115	120	109	127	120	121	110	118	115	126	125	72	107	99	116	125	122	125	3477
PARSONS	23	23	23	23	24	20	20	20	18	18	18	17	16	17	18	21	21	17	17	19	18	18	18	18	18	20	0	30	29	31	593
TOTAL SHELLEY TO CLOUGH	3598	3561	3545	3497	3262	2894	2681	2577	2348	2478	2677	3069	3310	3405	3527	3627	3376	3423	3416	3343	3415	3480	3441	3475	3435	3415	3406	3457	3208	3361	97198

PLATE NO. 8

DAILY DISCHARGE IN SEC.-FT. OF SNAKE RIVER CANALS FOR JULY 1940

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	25	15	8	1	6	19	24	17	23	23	26	29	29	29	29	29	29	24	22	21	14	19	16	16	16	0	6	18	23	24	24	605
ANDERSON	370	352	334	299	335	304	303	302	363	363	364	372	369	369	366	365	362	360	337	321	321	321	321	318	302	238	275	327	325	320	325	10359
EAGLE ROCK	606	606	514	527	533	527	527	598	640	640	640	696	689	696	696	696	696	696	716	730	730	723	663	676	693	719	726	662	643	617	602	20133
FARMERS FRIEND	348	348	339	328	325	321	325	332	355	391	394	391	394	394	394	394	389	375	375	375	369	371	374	371	369	373	375	323	323	357	357	11249
ENTERPRISE	121	120	10	8	6	113	113	113	122	126	125	127	6	6	6	117	118	117	120	120	120	6	6	6	4	120	120	120	120	120	120	2571
NELSON	4	4	3	1	1	1	1	2	2	2	2	3	3	3	4	5	5	4	0	0	0	0	0	0	0	0	0	0	1	1	1	53
MATTSON & CRAIG	9	9	9	8	7	7	0	0	0	4	8	14	14	14	16	13	13	13	10	8	8	8	4	8	8	8	8	8	8	8	8	265
ARNSBERGER	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	48	47	46	44	46	49	49	48	48	48	47	47	47	47	47	50	48	49	49	49	48	48	48	48	47	47	50	50	50	49	49	1487
ROSS & RAND	6	4	0	0	0	0	0	0	0	0	0	0	4	4	8	6	6	5	5	5	5	6	7	6	5	4	5	5	5	6	6	113
STEELE	7	7	6	6	6	6	7	7	7	7	7	7	7	6	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	10	214
HARRISON	466	466	466	6	8	8	8	466	468	468	468	468	473	476	471	470	468	20	2	1	470	470	470	470	470	470	470	4	3	3	2	9449
CHENEY	6	5	4	6	5	6	6	6	6	6	6	6	6	6	6	6	7	6	6	6	6	6	6	6	5	4	4	1	1	1	1	158
BOOMER	132	128	127	127	120	141	141	133	131	138	134	135	135	135	135	133	131	131	135	134	139	140	140	140	139	137	134	143	140	139	140	4185
RUDY	60	58	27	41	46	27	38	47	44	60	60	56	62	61	60	59	65	63	60	56	54	52	53	57	55	52	53	57	57	56	56	1652
HITE & NORD	8	8	0	0	0	0	8	8	8	8	8	8	8	8	8	4	5	0	0	0	0	0	0	0	0	0	0	3	3	5	5	118
BURGESS	778	50	50	50	811	809	804	809	809	826	826	826	826	826	835	826	826	822	822	822	808	800	800	821	800	796	796	441	441	441	441	21433
CLARK & EDWARDS	69	67	65	65	65	69	69	71	66	70	70	70	70	70	71	70	70	70	70	69	70	71	70	70	69	70	70	70	70	70	70	2146
LOWDER	4	3	2	3	3	3	3	2	2	35	38	38	36	38	36	37	40	37	35	2	2	2	3	3	4	2	3	8	40	27	32	533
JENNINGS	0	0	0	0	0	0	0	0	0	3	4	3	5	5	5	5	5	4	6	0	0	0	0	0	0	0	0	0	2	8	8	65
EAST LABELLE	121	120	119	119	117	116	114	110	114	125	124	123	122	123	123	120	122	119	121	121	119	119	119	116	114	108	108	118	118	118	118	3669
SUNNYDELL	106	90	85	67	55	65	65	124	130	132	128	131	139	140	144	148	98	52	62	57	45	65	75	73	85	72	94	94	98	88	92	2899
LENROOT	133	132	99	70	63	60	57	80	100	172	184	194	170	180	153	161	141	136	114	108	90	83	88	91	106	128	124	104	108	104	125	3658
REID	149	145	146	148	149	154	149	142	128	136	148	147	155	157	161	163	164	163	161	162	156	169	174	172	150	122	123	109	69	73	73	4417
TEXAS FEEDER	218	222	224	208	206	232	232	236	212	212	210	210	210	208	210	214	208	206	208	206	208	208	204	208	207	175	175	177	177	175	178	6384
NELSON COREY	16	18	16	13	6	4	9	9	15	14	11	15	17	17	17	20	15	14	13	9	12	9	12	12	9	5	5	12	13	13	13	383
HILL PETTINGER	3	3	3	3	2	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	2	0	0	2	3	2	3	2	3	2	51
RIGBY	152	158	165	165	161	162	165	166	166	165	160	161	159	159	162	160	162	172	168	165	165	166	159	160	159	152	162	168	168	161	160	5033
ISLAND	188	172	175	183	97	167	150	151	96	96	96	46	96	46	96	92	97	96	96	96	96	96	94	96	87	0	5	5	114	114	114	3253
DILTS	27	25	28	22	8	16	28	26	0	0	21	23	25	23	19	19	20	22	0	0	0	0	19	19	19	20	19	19	0	0	0	467
W. LABELLE & L. ISLAND	513	513	513	472	513	446	437	426	448	467	472	470	467	516	516	516	513	515	518	516	516	437	437	435	437	435	437	462	446	437	437	14683
PARKS & LEWISVILLE	350	350	348	348	345	346	343	368	343	350	348	348	345	346	346	346	346	347	343	345	346	350	340	350	350	349	348	350	352	352	352	10790
NORTH RIGBY	49	49	49	49	49	49	49	49	46	48	49	49	49	48	48	47	47	43	45	51	51	51	49	52	52	50	47	51	52	48	49	1514
WHITE	5	5	4	4	4	4	4	4	3	3	5	4	5	5	4	5	4	4	4	4	4	5	5	5	4	4	3	5	5	6	5	135
ELLIS	4	4	4	5	5	5	5	5	5	5	5	4	4	5	5	5	4	6	5	5	5	5	5	5	4	4	4	4	4	4	4	143
BRAMWELL	8	7	6	8	10	9	8	7	8	9	9	9	9	8	8	8	9	8	6	7	7	8	8	8	7	6	6	7	8	8	8	242
BUTTE & MKT. LAKE	360	370	366	0	0	0	0	0	270	328	311	320	330	332	335	305	305	247	252	194	194	194	194	194	193	200	208	206	205	202	200	6815
OSGOOD	115	115	0	0	117	117	117	117	117	117	116	116	117	117	117	117	115	114	115	115	116	116	117	116	116	116	117	117	117	117	117	3373
BEAR ISLAND	3	3	0	3	3	3	0	3	3	0	3	3	3	0	3	3	3	3	0	3	0	3	3	3	3	0	3	3	3	3	3	72
SMITH	0	1	2	1	0	0	0	1	0	0	0	2	0	0	1	1	1	1	1	1	0	0	1	0	0	0	0	0	1	1	1	17
KENNEDY	34	35	36	37	35	34	34	34	35	31	31	34	37	38	38	39	36	36	34	33	33	33	34	33	32	30	27	28	29	30	30	1040
IDAHO	1180	1160	1120	1040	1030	1090	1140	1130	1200	1190	1170	1170	1190	1190	1180	1180	1180	1160	1160	1160	1000	1000	1000	1010	1010	1010	1040	1040	1000	1000	898	34020
GREAT WESTERN	442	441	442	441	436	429	426	428	431	442	452	476	473	476	476	476	474	474	471	463	441	434	431	426	420	415	415	415	408	402	402	13678
PORTER	204	215	217	219	215	211	209	207	205	206	207	205	203	204	206	207	210	213	204	196	186	176	166	164	161	155	149	157	165	172	174	5988
COY & KELLER	2	2	0	0	0	0	0	0	0	0	2	2	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	20
WOODVILLE	81	84	80	70	70	81	81	80	81	67	81	75	90	90	96	94	93	96	0	0	0	0	80	81	81	82	82	82	0	0	0	1978
SNAKE RIVER VALLEY	621	633	621	593	599	635	645	486	369	378	403	410	414	415	429	434	424	424	429	425	425	419	422	422	419	405	400	407	410	405	400	14321
TOTAL HEISE TO SHELLEY	8151	7369	6878	5808	6618	6845	6893	7350	7619	7911	7971	8044	8014	8088	8096	8174	8084	7477	7309	7171	7388	7148	7230	7275	7220	7133	7206	6940	6336	6306	6213	225815
RESERVATION	0	0	0	0	0	0	0	0	0	0	0	0	0	163	272	272	269	276	280	272	279	206	0	0	0	0	0	0	0	0	0	2284
BLACKFOOT	177	C	0	0	326	377	384	381	389	360	358	336	356	363	0	0	369	380	381	377	362	370	369	363	356	333	0	0	0	0	403	7870
NEW LAVA SIDE	147	148	0	0	0	0	148	163	162	159	164	161	162	163	109	106	107	103	100	117	112	115	85	90	85	82	83	83	79	87	74	3194
PEOPLES	432	428	0	0	0	0	449	447	460	466	466	456	462	466	479	475	466	466	466	480	0	0	0	0	413	438	440	440	456	458	458	10467
ABERDEEN	1070	1010	978	927	943	988	1050	1090	1170	1190	1200	1200	1200	1200	1190	1140	1080	1030	1020	1020	1040	1070	1080	1080	1010	286	0	0	145	889	1060	29366
CORBETT	133	133	133	133	133	138	160	150	180	143	148	135	155	158	191	190	181	198	93	93	97	100	20	20	25	24	145	145	135	149	148	3976
NIELSEN-HANSEN	10	10	10	10	10	10	10	9	9	10	10	3	12	14	14	11	14	12	11	11	10	10	10	9	6	6	10	10	11	13	12	317
RIVERSIDE	107	95	49	0	0	95	103	111	115	104	103	97	123	105	118	114	109	105	101	106	106	94	115	101	98	115	112	108	113	110	106	3038
DANSKIN	193	183	186	156	176	182	181	187	175	179	167	148	177	193	191	190	180	183	175	171	180	169	172	171	159	171	171	164	176	179	170	5445
TREGO	0	73	69	67	67	71	71	0	0	0	0	0	0	38	60	70	68	70	67	65	0	8	9	6	6	4	70	72	69	71	69	1235
WEARYRICK	53	83	70	56	56	55	52	52	53	54	45	32	28	33	50	58	51	54	55	52	52	52	52	48	41	39	53	49	56	60	51	1575
WATSON	132	113	120	125	124	116	122	120	121	108	108	40	24	84	121	131	126	120	119	114	116	117	117	116	107	121	114	120	120	116	115	3467
PARSONS	30	26	29	27	27	29	26	26	29	27	25	7	0	23	34	33	34	31	31	31	33	27	29	26	24	23	26	25	26	27	26	815
TOTAL SHELLEY TO CLOUGH	2474	2284	1642	1501	1862	2061	2156	2136	2263	2300	2294	2615	2699	3003	2829	2790	3054	3028	2899	2909	2387	2338	2058	2030	2340	1642	1224	1216	1376	2159	2687	73054

PLATE NO. 9

DAILY DISCHARGE IN SEC-FT. OF SNAKE RIVER CANALS FOR AUGUST 1940

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	23	28	28	28	21	19	19	18	14	8	8	8	14	14	14	18	18	13	18	18	14	13	13	13	12	10	6	5	2	3	4	444
ANDERSON	323	321	317	316	316	314	309	310	311	306	306	306	302	300	299	294	287	282	278	276	274	254	250	258	251	233	193	174	151	165	166	8432
EAGLE ROCK	575	583	585	585	583	587	591	569	547	525	525	525	519	519	529	531	515	519	519	522	523	545	569	561	569	363	466	640	691	671	671	17236
FARMERS FRIEND	341	380	378	378	375	376	375	375	375	340	339	339	337	337	340	340	339	339	339	341	337	246	241	238	230	217	209	282	282	342	342	10069
ENTERPRISE	6	4	4	4	120	120	120	121	120	4	4	4	4	4	118	118	118	121	121	4	4	4	4	4	118	118	138	164	53	6	6	1799
NELSON	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
MATTSON & CRAIG	8	10	10	10	10	8	8	8	14	11	10	10	8	7	8	7	8	7	7	8	7	7	7	7	7	7	7	6	3	5	7	247
ARNSBERGER	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	50	49	49	48	48	48	47	46	46	47	46	46	46	48	48	48	48	47	47	46	45	44	47	48	49	47	49	44	44	48	48	1461
ROSS & RAND	6	6	7	7	7	6	6	3	3	6	6	5	6	6	7	6	4	5	5	4	4	4	6	6	6	4	4	4	4	4	4	163
STEELE	10	10	10	7	5	5	7	7	7	7	7	7	5	6	5	5	7	7	7	7	7	7	7	7	7	7	5	6	6	3	3	203
HARRISON	2	2	470	478	478	478	6	4	4	4	4	4	472	476	476	476	4	4	4	4	4	4	460	468	463	468	4	4	4	4	4	5737
CHENEY	1	1	1	1	4	4	1	4	4	4	1	1	3	4	2	2	1	1	1	1	1	0	0	0	0	0	2	1	1	2	2	51
BOOMER	140	142	139	144	144	148	149	146	150	86	86	93	87	82	82	82	82	82	6	6	6	6	84	76	84	84	86	88	88	92	89	2859
RUDY	56	58	56	57	58	58	59	57	60	41	42	48	42	33	34	35	35	36	4	4	4	4	40	38	34	35	36	37	39	39	40	1219
KITE & NORD	5	5	0	0	0	0	0	0	0	1	5	3	5	5	0	0	2	2	3	4	4	0	0	0	0	0	2	2	2	3	3	56
BURGESS	437	441	441	441	441	441	441	441	441	445	441	445	437	449	445	441	445	445	441	441	445	444	437	445	441	437	453	453	453	459	441	13748
CLARK & EDWARDS	70	70	70	70	70	70	70	70	70	70	70	71	71	70	70	70	69	69	68	68	68	67	67	67	70	70	70	70	70	70	70	2155
LOWDER	32	32	31	21	19	16	16	16	16	16	16	18	22	18	10	12	12	12	12	12	12	13	12	16	11	11	11	11	17	11	11	495
JENNINGS	0	0	0	0	0	0	0	0	0	0	0	0	7	6	0	0	0	0	0	0	0	0	0	0	0	4	6	5	6	6	5	45
EAST LABELLE	119	113	113	112	114	119	119	119	120	119	118	113	107	112	112	109	108	106	105	106	106	105	97	96	92	86	99	86	87	99	101	3317
SUNNYDELL	96	79	73	73	71	69	82	88	80	67	60	67	64	66	56	47	67	59	49	47	45	0	0	0	75	59	51	58	39	57	57	1801
LENROOT	132	131	117	119	115	116	144	149	121	34	37	37	36	37	36	36	50	35	76	72	34	43	34	46	42	35	41	35	34	68	61	2103
REID	72	74	119	127	121	123	123	115	94	73	72	73	72	72	72	73	71	71	72	70	92	86	83	85	81	76	68	69	69	72	65	2585
TEXAS FEEDER	173	178	179	175	175	173	173	173	173	171	173	173	172	171	169	171	171	169	171	168	171	169	168	171	166	164	168	169	166	145	148	5256
NELSON COREY	13	13	13	13	13	12	12	12	12	13	12	12	12	12	11	12	12	12	12	12	12	9	7	2	0	0	0	0	0	0	0	275
HILL PETTINGER	2	2	2	2	1	2	2	2	2	2	2	0	0	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	32
RIGBY	159	159	158	160	162	165	161	156	155	155	155	154	152	160	160	157	4	4	4	163	163	163	162	169	165	159	156	156	156	156	216	4524
ISLAND	114	114	0	4	4	4	133	140	129	138	134	4	3	5	5	124	111	124	130	127	4	3	3	3	122	118	118	121	120	146	4	2307
DILTS	2	19	18	19	21	20	2	3	2	2	2	0	0	19	18	18	19	19	9	2	2	2	2	2	4	2	16	16	16	2	3	281
W. LABELLE & L. ISLAND	437	435	437	429	425	464	470	446	429	429	429	427	429	424	418	416	405	421	424	416	418	373	369	374	364	358	358	353	353	402	384	12716
PARKS & LEWISVILLE	350	350	340	341	342	340	358	336	334	328	326	319	322	303	304	324	319	297	336	322	314	319	300	324	290	280	295	312	321	331	324	9979
NORTH RIGBY	47	49	46	49	49	47	48	47	47	51	48	49	49	50	48	48	51	51	49	48	49	51	48	49	48	46	51	51	51	51	51	1517
WHITE	6	7	7	7	7	7	7	7	7	5	5	5	5	5	6	5	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	176
ELLIS	4	4	4	4	4	4	4	3	3	3	4	4	3	3	2	4	4	4	4	4	4	2	1	1	1	1	1	1	1	1	1	88
BRAMWELL	8	8	7	7	7	7	7	7	8	8	9	9	9	8	7	7	7	8	7	5	4	3	7	7	6	6	5	5	5	5	5	210
BUTTE & MKT. LAKE	196	197	198	194	190	187	185	188	187	187	187	188	188	184	175	186	184	181	178	176	176	176	174	172	166	160	162	157	152	20	12	5261
OSGOOD	115	115	115	115	115	115	114	114	115	115	115	115	115	115	0	0	0	0	115	115	115	115	115	115	115	115	115	115	115	115	115	3103
BEAR ISLAND	3	0	3	0	0	3	3	3	0	3	0	3	3	0	0	0	0	0	0	3	0	0	0	0	0	3	3	3	0	0	0	36
SMITH	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	6
KENNEDY	32	32	33	32	31	30	31	30	32	33	33	33	33	33	33	33	33	33	32	32	30	30	30	30	29	28	27	27	26	25	24	950
IDAHO	895	889	886	883	880	1010	1010	1000	654	527	533	561	582	648	669	669	630	660	660	656	747	747	747	739	747	714	714	713	654	654	715	22793
GREAT WESTERN	348	347	397	392	395	400	402	400	400	394	390	387	386	382	382	376	373	371	363	363	365	366	365	357	355	349	349	350	352	349	360	11665
PORTER	176	174	172	169	166	163	162	161	166	172	177	182	187	187	188	187	187	187	187	187	190	193	190	187	184	181	178	182	186	186	187	5581
COY & KELLER	1	2	2	0	0	2	1	1	1	1	0	0	1	0	0	1	2	2	2	1	1	1	1	1	0	0	1	1	0	1	1	28
WOODVILLE	97	86	86	85	85	84	0	0	0	77	77	77	77	76	76	0	0	0	71	71	72	73	73	82	80	78	0	0	0	78	78	1739
SNAKE RIVER VALLEY	405	405	405	403	403	400	400	405	414	410	415	419	419	419	420	415	417	419	417	417	419	420	414	408	410	407	407	407	408	405	402	12734
TOTAL HEISE TO SHELLEY	6159	6175	6527	6510	6596	6766	6358	6302	5847	5429	5429	5345	5815	5886	5857	5906	5225	5231	5564	5556	5298	5117	5635	5677	5900	5538	5130	5328	5232	5306	5235	177494
RESERVATION	0	0	0	0	0	0	0	130	205	204	145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	684
BLACKFOOT	410	407	402	177	193	171	170	184	200	225	216	198	183	182	195	193	184	186	184	183	164	147	185	176	168	167	197	0	0	202	189	6058
NEW LAVA SIDE	86	78	78	77	76	78	75	79	82	83	80	79	79	74	84	84	82	80	79	80	81	4	4	0	86	84	84	85	81	81	83	2266
PEOPLES	0	0	0	0	445	436	440	441	0	6	6	8	453	449	445	445	444	0	6	0	8	445	449	449	445	445	445	7	6	6	6	6735
ABERDEEN	1026	1076	1060	1060	1000	940	889	898	930	908	857	870	892	1010	1030	719	0	0	0	358	886	908	854	820	746	737	710	662	650	209	0	22693
CORBETT	129	109	101	105	102	25	27	27	32	142	139	136	147	114	120	119	128	25	28	29	29	26	108	115	93	136	35	25	25	25	24	2427
NIELSEN-HANSEN	12	12	13	12	11	10	11	11	13	14	13	12	12	12	12	12	13	14	14	14	13	13	13	13	13	13	12	10	5	5	1	358
RIVERSIDE	110	111	111	108	107	108	108	110	109	112	108	106	102	101	98	100	52	0	0	138	120	99	107	106	106	98	105	103	103	105	102	3053
DANSKIN	160	177	175	172	174	175	173	174	182	174	179	181	180	173	169	175	193	183	173	171	110	159	182	174	187	189	184	190	187	183	192	5455
TREGO	0	0	0	0	0	60	63	61	63	8	4	2	2	2	63	63	67	65	4	3	2	3	3	2	65	64	70	4	7	2	3	755
WEARYRICK	55	52	51	50	47	45	44	50	52	47	45	49	47	45	44	45	48	51	51	50	45	44	44	43	42	42	40	40	48	44	50	1450
WATSON	116	86	97	96	93	93	93	94	99	99	98	99	95	94	93	97	100	93	100	97	95	92	92	96	94	95	99	93	92	89	92	2961
PARSONS	24	23	23	23	22	22	22	22	23	23	24	24	24	0	26	27	27	27	27	26	24	23	23	23	23	23	22	22	22	21	22	707
TOTAL SHELLEY TO CLOUGH	2122	2125	2111	1880	2270	2163	2115	2281	1990	2050	1914	1764	2216	2256	2379	2079	1338	724	666	1149	1577	1983	2064	2017	2068	2045	2003	1241	1226	972	764	55602

PLATE NO. 10

DAILY DISCHARGE IN SEC.-FT. OF SNAKE RIVER CANALS FOR SEPT. 1940

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	3	5	10	12	3	0	0	3	5	4	3	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52
ANDERSON	162	197	210	232	155	113	94	152	171	167	159	128	123	123	114	111	103	103	109	113	106	100	100	100	90	80	80	80	80	80	3740
EAGLE ROCK	671	427	389	483	656	702	640	488	464	343	402	442	529	529	543	547	547	547	306	212	212	212	212	212	212	212	184	184	180	180	11916
FARMERS FRIEND	342	339	342	333	285	247	229	279	295	321	279	253	244	244	232	226	238	242	253	266	158	150	150	140	130	120	112	112	112	110	6785
ENTERPRISE	6	6	6	112	71	43	4	4	4	4	8	78	67	63	47	41	36	34	2	2	2	2	2	2	2	15	15	15	15	15	723
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	7	7	7	7	7	0	0	7	7	7	7	7	5	5	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	90
ARNSBERGER	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	47	48	50	48	44	38	33	44	48	43	42	38	36	36	36	36	34	33	36	39	39	38	38	35	34	32	31	30	30	30	1146
ROSS & RAND	4	4	5	5	3	1	1	4	4	3	3	2	1	1	1	1	1	1	1	2	2	2	1	1	1	0	0	0	0	0	55
STEELE	3	3	2	2	5	4	4	4	4	4	4	7	7	7	7	10	11	11	11	11	11	10	10	10	10	9	9	9	9	8	216
HARRISON	4	4	463	463	463	16	12	12	12	8	231	231	463	463	463	231	227	229	229	231	231	230	230	230	230	40	40	40	40	40	5806
CHENEY	2	3	3	3	1	0	1	0	1	0	1	1	0	0	0	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	20
BOOMER	81	81	81	81	137	134	125	134	136	134	101	101	101	106	101	101	96	93	94	102	60	60	60	50	50	20	17	17	17	17	2488
RUDY	36	38	40	44	46	38	34	45	35	13	35	35	32	33	34	35	32	31	31	18	13	13	13	13	12	11	10	10	9	8	797
KITE & NORD	6	6	6	6	5	2	2	2	2	4	3	0	0	1	1	3	3	3	4	0	0	0	0	0	0	0	0	0	0	0	59
BURGESS	437	441	441	437	433	453	406	410	406	406	410	406	414	437	433	437	433	437	410	406	410	400	400	400	400	394	394	390	350	350	12381
CLARK & EDWARDS	70	70	70	70	65	62	54	70	70	70	66	64	44	34	40	65	69	69	68	70	70	69	69	68	67	67	67	67	67	67	1938
LOWDER	11	11	11	11	11	11	11	11	11	11	11	11	27	25	23	25	25	25	25	21	23	20	20	10	8	8	8	8	8	8	449
JENNING	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	61
EAST LABELLE	95	99	100	100	46	54	46	85	96	81	67	51	33	28	32	37	41	40	51	69	71	70	70	70	60	60	58	58	50	50	1868
SUNNYDELL	59	65	65	0	0	0	0	46	72	69	70	63	54	55	44	32	34	34	38	52	52	50	45	35	25	20	18	18	18	18	1161
LENROOT	61	73	63	55	64	46	38	78	78	73	63	70	71	69	53	42	47	37	45	63	59	59	50	40	30	10	10	10	10	10	1477
REID	68	68	76	62	63	54	56	63	68	68	68	63	68	85	76	96	84	77	89	68	74	70	50	40	30	20	20	20	20	20	1789
TEXAS FEEDER	150	159	162	171	166	83	46	96	169	171	171	166	125	138	141	152	148	141	152	110	119	110	100	80	60	40	35	35	35	35	3466
NELSON COREY	0	0	9	16	10	0	6	0	4	16	16	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80
HILL PETTINGER	0	0	2	2	2	0	0	0	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
RIGBY	213	216	212	156	152	158	158	159	160	152	154	139	117	115	115	128	143	142	152	160	160	156	155	145	134	124	114	113	113	113	4430
ISLAND	2	0	125	125	107	92	88	3	2	5	5	124	113	113	115	140	4	3	3	3	3	120	120	110	110	107	107	107	107	107	2170
DILTS	3	2	3	3	2	2	0	2	0	27	21	12	3	8	8	5	3	4	4	4	18	18	16	10	4	4	4	4	4	4	202
W. LABELLE & L. ISLAND	408	387	374	338	323	309	311	328	340	323	316	302	280	268	270	280	358	343	346	358	318	318	300	280	260	240	232	232	232	230	9184
PARKS & LEWISVILLE	294	317	297	273	257	210	265	300	300	258	252	228	197	180	185	244	221	231	236	214	212	210	210	200	200	194	194	194	194	194	6961
NORTH RIGBY	51	51	51	51	47	50	51	51	51	48	51	46	44	16	16	10	5	51	51	51	51	50	50	45	40	40	38	38	38	38	1271
WHITE	6	4	6	6	5	1	1	6	7	7	7	7	0	0	0	0	0	0	0	0	7	7	7	7	7	7	7	5	5	4	128
ELLIS	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	25
BRAMWELL	8	9	9	9	8	7	6	5	5	5	5	5	0	0	0	0	0	0	0	0	3	3	3	3	3	3	3	3	3	3	111
BUTTE & MKT. LAKE	14	16	17	20	24	20	17	18	18	19	56	56	53	50	53	57	60	60	60	66	72	70	70	70	70	65	65	65	65	65	1431
OSGOOD	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	100	100	100	100	100	100	83	83	83	83	83	83	3169
BEAR ISLAND	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
SMITH	0	1	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	1
KENNEDY	30	30	31	30	28	25	19	20	22	24	24	24	20	16	15	15	14	17	20	23	26	26	26	26	8	8	8	8	8	8	599
IDAHO	714	714	714	714	627	674	672	377	489	488	478	478	478	478	478	478	413	413	606	316	321	316	316	316	316	308	308	308	350	350	14249
GREAT WESTERN	363	365	337	198	188	153	145	126	121	113	123	150	142	142	140	137	148	145	150	153	153	150	148	140	137	137	137	137	137	137	4952
PORTER	190	200	209	86	88	80	65	66	67	68	100	106	100	94	92	90	88	87	86	80	75	75	70	60	50	41	41	41	41	41	2577
COY & KELLER	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
WOODVILLE	79	79	80	80	16	16	16	15	14	13	13	13	13	13	12	11	10	14	19	19	19	20	20	20	20	20	21	21	21	21	748
SNAKE RIVER VALLEY	425	425	417	102	0	259	308	273	289	325	324	295	220	0	0	0	115	195	122	0	5	16	18	27	26	30	46	46	46	46	4400
TOTAL HEISE TO SHELLEY	5244	5084	5627	5068	4734	4778	4879	3902	4145	4063	4267	4330	4345	4091	4043	3944	3891	4012	3914	3408	3262	3326	3256	3100	2920	2650	2597	2584	2498	2441	115183
RESERVATION	0	0	0	0	0	0	0	0	0	0	0	0	74	235	228	220	214	205	171	144	77	0	0	0	0	0	0	0	0	0	1582
BLACKFOOT	176	177	0	6	0	0	8	8	0	156	191	177	262	191	191	186	140	138	36	40	36	36	36	36	40	66	66	66	66	66	2597
NEW LAVA SIDE	87	81	93	80	88	79	81	83	85	78	78	74	71	114	115	125	110	93	65	70	65	65	64	64	64	64	64	64	64	64	2392
PEOPLES	6	449	453	445	4	4	0	432	6	5	5	5	466	428	415	406	218	83	98	225	233	230	230	220	200	190	186	186	160	140	6128
ABERDEEN	0	0	0	0	0	0	165	431	607	740	771	731	522	449	514	89	0	0	0	0	0	0	0	286	497	531	584	508	442	342	8214
COBBLEY	34	23	78	144	172	139	135	46	41	31	31	31	33	53	58	90	66	36	29	25	27	29	30	31	31	31	31	31	31	31	1587
NIELSEN-HANSEN	1	0	1	6	13	13	12	5	11	9	0	0	0	0	0	5	4	5	4	5	6	5	5	5	0	0	0	0	0	0	115
RIVERSIDE	103	101	101	106	111	97	80	76	106	80	81	82	80	80	77	78	56	57	57	57	56	56	50	50	40	40	36	36	36	36	2102
DANSKIN	187	179	0	0	16	16	16	16	16	105	111	162	113	97	54	55	38	105	85	15	15	15	15	15	15	15	15	15	15	15	1536
TAEGO	0	0	0	0	0	0	71	61	70	71	3	54	48	47	47	48	44	45	46	49	49	48	46	40	40	30	23	23	23	23	1044
WEARYRICK	50	40	40	55	51	50	45	35	41	45	46	44	37	38	34	32	28	26	27	20	18	18	15	15	15	4	4	4	4	4	885
WATSON	96	96	93	114	0	0	0	0	100	97	97	96	93	67	67	67	67	67	67	51	33	33	40	50	52	52	52	52	52	52	1803
PARSONS	23	23	23	21	18	18	18	17	18	19	19	19	18	19	18	18	18	18	19	20	21	20	18	18	16	14	14	14	14	14	547
TOTAL SHELLEY TO CLOUGH	753	1169	882	977	473	416	631	1210	1101	1436	1433	1475	1817	1918	1918	1419	1003	878	704	721	636	554	549	830	1010	1042	1075	949	907	787	30325

STREAM	MAY 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	JUN 1	2	3	4
BIG JIMMY CREEK	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	30	30	30	31	31	31	32	32	32	33	33	33
PORTNEUF RIVER INFLOW BELOW POCATELLO	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	284	285	286	287	288	287	290	291	292	293	294	295	29
BIG SPRING CREEK	433	433	433	433	433	433	433	433	433	433	433	433	433	433	433	433	433	433	433	433	433	433	435	438	440	442	444	446	447	449	450	452	454	456	45
CLEAR CREEK	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	119	119	119	118	118	118	117	117	117	117	117	11
FORD CREEK	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
KINNEY CREEK	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	2
WIDE CREEK	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	56	56	56	55	55	56	54	54
PYLE SPRINGS	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
McTUCKER SPRINGS	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	23	23	23	23	23	24	24	24	2
HULL SPRINGS	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	6	6	
TANNER SPRINGS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PORTNEUF RIV. AT POCATELLO	186	173	168	168	161	147	134	118	110	101	89	98	114	130	122	98	95	80	81	84	75	76	70	65	63	57	56	59	47	56	54	49	48	47	4
CRYSTAL DITCH	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	2	2	2	2
CRYSTAL WASTE	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	30	30	30	30	30
DANIELSON SPRINGS	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	40	40	40	41	41	41	92	
ARTESIAN SPRINGS	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	
STERLING WASTE	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	6	6	6	6	7	7	7	7
COLBURN WASTE	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	2	2	2	2	2	
ABERDEEN WASTE	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	15	15	15	16	16	16	17	17	18	18
TARTAR WASTE	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	6	6	
SCHILTZ WASTE	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	2	2	2	2	2	
CEDAR WASTE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ROSS FORK	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	34	34	34	35	35	35	36	36	36	36	3	
TRIPLE CREEK	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	3	3	3	3	3	
BANNOCK CREEK	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	2	2	2	2	2	
RUEGAR SPRINGS	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	2
TOTAL MEASURED	1350	1337	1332	1332	1325	1311	1298	1282	1274	1265	1253	1262	1278	1294	1286	1262	1259	1244	1245	1248	1239	1240	1237	1237	1239	1235	1240	1248	1237	1249	1252	1251	1254	1257	12
UNMEASURED INFLOW	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	12
TOTAL INFLOW C-N	2630	2617	2612	2612	2605	2591	2578	2562	2554	2545	2533	2542	2558	2574	2566	2542	2539	2524	2525	2528	2519	2520	2517	2517	2519	2515	2520	2528	2517	2524	2532	2531	2534	2537	25
MONTHLY TOTALS																																			

TOTAL MAY 79,070

INFLOW TO AMERICAN FALLS RESERVOIR

CLOUGH TO NEELEY STATIONS

24 HOUR SECOND FEET

	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	JUL 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	34	34	34	34	34	33	33	33	32	32	31	31	30	30	29	27	28	28	28	28	28	28	28	29	28	28	28	27	27	27	27	27	27	27	27	27	27	27	27	27	26	26	26
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9	461	464	464	462	460	458	456	453	451	449	446	444	441	439	437	434	432	430	430	431	432	433	434	435	436	437	438	439	440	441	441	442	443	444	444	445	445	445	445	446	446	44	
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TOTAL JUNE 75,898

1940

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TOTAL JULY 78366

TOTAL A

PLATE NO 11

	27	28	29	30	31	SEA 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
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	302	302	302	302	302	305	308	312	315	318	321	324	327	330	333	336	339	342	345	348	351	355	358	358	358	358	358	358	358	358	358	358	358	358	358	358
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	42	42	42	42	42	42	43	44	45	46	46	47	48	49	50	51	52	53	54	55	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	
	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	6	6	6	6	6	6	7	7	7	8	8	8	8	9	9	9	9	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	8	8	8	8	8	8	10	12	14	16	18	20	22	24	26	26	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	
	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	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	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	3	6	9	12	15	18	20	22	24	26	28	32	36	38	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	
	35	35	35	35	35	35	36	36	37	37	38	38	38	38	39	39	39	40	40	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
	1	1	1	1	1	1	2	2	2	2	3	3	3	3	3	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	1	1	1	1	1	1	2	2	2	2	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	18	18	18	18	18	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
	1251	1241	1259	1251	1254	1255	1274	1299	1324	1341	1348	1358	1366	1371	1384	1390	1417	1426	1438	1443	1444	1445	1448	1458	1477	1485	1478	1436	1465	1464	1462	1464	1465	1477	1480
	1280	1280	1280	1280	1280	1280	1290	1290	1300	1300	1300	1300	1300	1300	1300	1300	1600	1500	1400	1320	1320	1320	1320	1340	1320	1310	1308	1300	1300	1300	1300	1300	1300	1300	1300	
	2534	2531	2531	2521	2539	2531	2534	2535	2564	2589	2629	2641	2648	2658	2666	2671	2684	2690	3017	2926	2838	2962	2764	2765	2768	2778	2797	2745	2778	2766	2765	2764	2763	2764	2765	2773	2780

AUGUST 77,989

TOTAL SEPT. 82,106

DATE	JACKSON LAKE Contents Ac.Ft.	MORAN STOR.	MORAN NORM.	MORAN TOTAL	TWIN LAKES STORED	MORAN TO HEISE LOSS STORED	DIVERSION MORAN TO HEISE STORED
APR 30	489700	0	50	50			
MAY 1	492700	0	46	46			
2	494320	-1006	1052	46			
3	497350	-932	978	46		-25	
4	500780	-1554	1600	46		-23	
5	505160	-2107	2144	37		-29	
6	509340	-1992	2029	37		-53	
7	513290	-1876	1913	37		-50	
8	517010	-2344	2381	37		-47	
9	521660	-2460	2492	32		-59	
10	526540	-4588	4620	32		-61	
11	535640	-3909	3941	32		-114	
12	547340	-2576	2608	32		-98	
13	556720	-2870	2906	36		-64	
14	566380	-3365	3397	32		-72	
15	577460	-3643	3675	32		-84	
16	587900	-3743	3775	32		-91	
17	599760	-4148	4180	32		-94	
18	610020	-4879	4911	32		-103	
19	620530	-4230	4262	32		-122	
20	628920	-5339	5349	10		-106	
21	639510	-4729	4739	10		-133	
22	648890	-4149	4632	483		-118	
23	657120	-4154	5534	1380		-104	
24	665360	-4275	5235	960		-104	
25	673840	-4309	4319	10		-107	
26	687740	-3591	3603	12		-108	
27	700930	-3345	3362	17		-90	
28	713210	-3433	3450	17		-84	
29	725020	-3830	3848	18		-86	
30	736150	-3754	3769	15		-96	
31	747030	-3141	3156	15		-94	
JUN 1	758240	-2775	2790	15		-79	
2	769690	-2591	2605	14		-69	
3	780720	-1266	1280	14		-45	
4	787740	0	15	15		-32	
5	796010	0	21	21		0	
6	804600	0	22	22		0	
7	811170	0	24	24		0	
8	818750	-355	379	24		0	
9	826870	-2603	2627	24		-9	
10	833230	-2948	2972	24		-65	
11	839080	-2823	2847	24	0	-74	
12	844680	-1170	1194	24	22	-71	
13	851840	0	2220	2220	22	-29	
14	853380	0	3930	3930	22	1	
15	853440	0	4420	4420	22	0	
16	852350	0	3980	3980	22	1	
17	852350	0	3620	3620	22	0	0
18	852350	0	3840	3840	22	1	5
19	850820	0	3460	3460	22	0	5
20	850560	0	3370	3370	22	0	5

DATE	HEISE + RILEY STOR.	HEISE + RILEY NORM.	HEISE + RILEY TOTAL	DIV. HEISE - SHELLEY STOR.	DIV. HEISE - SHELLEY NORM.	DIV. HEISE - SHELLEY TOTAL	HEISE TO SHELLEY LOSS STORED	HENRYS FK. NR. REXBURG STOR.	HENRYS FK. NR. REXBURG NORM.	HENRYS FK. NR. REXBURG TOTAL	MARKET LAKE SPRINGS
MAY 1											
2	-981	6211	5230	0	1378	1378	-48				
3	-909	7189	6280	0	1508	1508	-44	0	2610	2610	
4	-1525	8105	6580	0	1547	1547	-74	-35	3235	3200	
5	-2034	8514	6440	0	2082	2082	-100	-72	3242	3170	
6	-1942	8142	6200	0	2485	2485	-97	-54	2914	2860	
7	-1829	7947	6118	0	2831	2831	-89	-90	2570	2480	
8	-2285	8730	6445	0	3520	3520	-111	-84	2364	2280	
9	-2399	9516	7117	0	4312	4312	-117	-84	2444	2360	
10	-4474	12754	8280	0	5118	5118	-218	-90	2470	2380	
11	-3811	13151	9340	0	5601	5601	-186	-110	2680	2570	
12	-2512	13231	10719	0	6051	6051	-123	-122	2902	2780	
13	-2798	14618	11820	0	6430	6430	-137	-131	3141	3010	
14	-3281	14605	11324	0	6628	6628	-160	-152	3132	2980	
15	-3552	14973	11421	0	6817	6817	-173	-144	3046	2880	
16	-3649	15169	11520	0	7354	7354	-178	-158	2998	2840	
17	-4045	15264	11219	0	7516	7516	-197	-171	2941	2770	
18	-4757	15477	10720	0	7586	7586	-232	-174	2714	2540	
19	-4124	14448	10324	0	7560	7560	-202	-151	2561	2360	
20	-5204	15160	9954	0	7697	7697	-254	-156	2406	2250	
21	-4411	14029	9418	186	7593	7779	-225	-178	2558	2380	
22	-4045	13328	9283	202	7608	7810	-197	-167	2437	2270	
23	-4050	14874	10824	134	7922	8056	-198	-157	2367	2210	
24	-4148	15792	11624	85	8004	8089	-204	-183	2483	2300	
25	-4201	15632	11431	41	7669	7710	-205	-184	2684	2500	
26	-3501	15636	12135	14	8042	8056	-171	-208	3028	2820	
27	-3261	15592	12331	8	8118	8126	-159	-195	3325	3130	
28	-3347	15372	12025	1	8071	8072	-163	-202	3432	3230	
29	-3734	15359	11625	1	8024	8025	-182	-191	3401	3210	
30	-3440	14892	11232	9	8081	8090	-179	-197	3427	3230	
JUN 1	-3062	14486	11424	10	8185	8195	-149	-197	3417	3220	
2	-2706	14434	11728	13	8133	8146	-132	-199	3417	3220	
3	-2526	13950	11424	9	8032	8041	-123	-108	3518	3410	
4	-1234	11458	10224	10	7863	7873	-60	-234	3364	3130	
5	0	9774	9774	9	6824	6833	0	-235	3295	3060	
6	0	10115	10115	0	5604	5604	0	-235	4035	3800	
7	0	9197	9197	0	5889	5889	0	-195	4405	4210	
8	0	8992	8992	0	5655	5655	0	-195	4225	4030	
9	-346	9196	8850	0	5215	5215	-17	-195	4455	4260	
10	-2538	10529	8041	0	5047	5047	-124	-214	4314	4100	
11	-2874	10455	7581	1	5456	5457	-141	-173	3583	3410	
12	-2752	10173	7421	0	5783	5783	-134	-143	3033	2890	
13	-1119	9110	7991	0	6817	6817	-55	-118	2838	2720	
14	21	9780	9801	2	7541	7543	1	-44	2854	2810	
15	22	12801	12823	5	7786	7791	1	-45	2855	2810	
16	21	13303	13324	5	7741	7746	1	-45	2495	2450	7
17	22	13008	13030	10	7901	7911	1	-45	2185	2060	7
18	21	12109	12130	110	8011	8121	1	-45	1765	1720	8
19	17	12113	12130	150	8084	8234	1	-45	1385	1340	8
20	16	11615	11631	237	8057	8294	1	-45	1185	1140	8
21	17	11314	11331	237	8051	8288	1	-45	1039	994	7

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SUMMARY OF DATA AT AND BETWEEN SNAKE R

24 HOUR SECOND FEET EXCEPT AS NOTED

SHELLEY			DIK. SHELLEY-BLACKFOOT			SHELLEY BLACKFOOT LOSS STORED	DATE	THEORETICAL BALANCE STORED AT BLACKFOOT	BLACKFOOT RIVER	CLOUGH		CALCULATED INFLOW CLOUGH TO NEELEY	DATE	AM. FALLS RESERVOIR Contents Ac. Ft.	NEELEY			LAKE WALCO Contents A
OR.	NORM.	TOTAL	STOR.	NORM.	TOTAL					STOR.	NORM.	TOTAL				STOR.	NORM.	TOTAL	
0	5670	5670	0	1825	1825		MAY 3		82	0	3460	3460	2612	MAY 4	1 203 920	0	2490	2490	
0	5450	5450	0	1997	1997	- 56	4		59	0	3360	3360	2612	5	1 200 600	923	4787	5710	
933	4823	5890	0	2431	2431	- 52	5	- 827	80	- 827	4267	3890	2605	6	1 197 200	1158	7372	8530	
865	2795	6930	0	2622	2622	- 89	6	- 813	146	- 813	5312	4500	2591	7	1 194 960	1326	7704	9230	
484	8946	7460	0	2725	2725	- 122	7	- 1397	148	- 1397	5807	4410	2578	8	1 188 790	1605	8385	9890	
024	9086	7060	0	2810	2810	- 114	8	- 1904	52	- 1904	5484	3580	2562	9	1 180 280	2254	8046	10300	
899	8339	6440	0	3016	3016	- 110	9	- 1785	14	- 1785	4365	2580	2554	10	1 169 760	3581	6919	10500	
830	7410	5580	0	3267	3267	- 136	10	- 1720	8	- 1720	3410	1690	2545	11	1 155 940	4645	5955	10600	
259	7119	4860	0	3445	3445	- 142	11	- 2123	4	- 2123	3113	990	2533	12	1 142 120	5154	5646	10800	
366	7026	4660	0	3550	3550	- 241	12	- 2224	1	- 2224	3254	1030	2542	13	1 128 860	4804	5796	10600	
346	9446	5120	0	3437	3437	- 224	13	- 4085	2	- 4085	5875	1770	2558	14	1 118 360	1867	8433	10300	
735	9845	6110	0	3511	3511	- 224	14	- 3511	3	- 3511	6131	2620	2574	15	1 107 460	1695	8705	10400	
511	9711	7200	0	3536	3536	- 151	15	- 2360	2	- 2360	6160	3800	2566	16	1 097 680	1974	8726	10700	
792	10692	7900	0	3584	3584	- 168	16	- 2624	1	- 2624	6184	3560	2542	17	1 090 070	2174	8726	10900	
273	10473	7200	0	3559	3559	- 194	17	- 3077	2	- 3077	6187	3110	2539	18	1 079 750	2274	8726	11000	
545	10345	6800	0	3573	3573	- 213	18	- 3332	0	- 3332	6202	2870	2524	19	1 066 710	2274	8726	11100	
629	10299	6670	0	3545	3545	- 218	19	- 3411	0	- 3411	6201	2790	2525	20	1 055 970	2274	8726	11100	
019	10289	6270	0	3526	3526	- 241	20	- 3278	5	- 3278	6198	2420	2528	21	1 045 320	2274	8726	11100	
699	10429	5730	0	3491	3491	- 282	21	- 4417	7	- 4417	6207	1790	2519	22	1 031 480	2274	8726	11000	
073	9313	5240	0	3455	3455	- 244	22	- 3829	6	- 3829	6169	1340	2520	23	1 016 570	3411	7689	11100	
108	9768	4660	0	3459	3459	- 306	23	- 4802	2	- 4802	5624	822	2517	24	1 001 790	2859	8141	11000	
750	8940	4190	0	3439	3439	- 285	24	- 4465	2	- 4465	4887	422	2517	25	1 482 940	3596	7904	11000	
217	8067	3850	0	3376	3376	- 253	25	- 3964	2	- 3964	4234	270	2519	26	1 465 140	4247	6763	11000	
143	9093	4950	0	3537	3537	- 249	26	- 3894	3	- 3894	5164	1270	2515	27	1 484 190	3421	7679	11100	
232	16092	5860	0	3697	3697	- 254	27	- 3978	2	- 3978	5788	1810	2520	28	1 442 360	2792	8308	11100	
221	10241	6020	0	3627	3627	- 253	28	- 3948	5	- 3948	6198	2230	2528	29	1 430 020	2374	8726	11100	
552	10322	6270	0	3629	3629	- 213	29	- 3339	6	- 3339	6209	2870	2517	30	1 418 710	2374	8726	11100	
305	10365	7060	0	3669	3669	- 198	30	- 3107	4	- 3107	6197	3090	2529	31	1 406 370	2274	8726	11000	
387	10447	7060	0	3638	3638	- 203	31	- 3184	4	- 3184	6194	3010	2532	JUN. 1	1 395 760	2274	8726	11000	
744	10514	6770	0	3608	3608	- 225	JUN. 1	- 3519	4	- 3519	6159	2640	2531	2	1 384 160	2110	8690	10800	
687	9927	6240	0	3598	3598	- 221	2	- 3446	3	- 3446	6026	2560	2534	3	1 372 060	2140	8560	10700	
120	9620	6500	0	3561	3561	- 187	3	- 2933	3	- 2933	5963	3030	2537	4	1 362 780	2100	8500	10600	
786	9716	6930	0	3545	3545	- 147	4	- 2619	2	- 2619	5859	3240	2541	5	1 353 920	2000	8400	10400	
520	9350	6830	0	3497	3497	- 151	5	- 2369	2	- 2369	5659	3290	2547	6	1 347 480	1774	8206	9980	
418	8088	6670	0	3262	3262	- 85	6	- 1333	46	- 1333	5583	4250	2570	7	1 339 540	1737	8153	9890	
244	8354	8110	0	2894	2894	- 15	7	- 229	312	- 229	6409	6180	2586	8	1 336 590	1041	8849	9890	
235	9455	9220	0	2481	2481	- 14	8	- 221	250	- 221	6491	6270	2592	9	1 338 570	1083	8807	9890	
195	8855	8660	0	2577	2577	- 12	9	- 183	272	- 183	6543	6360	2586	10	1 334 590	990	8900	9890	
195	8925	8730	0	2348	2348	- 12	10	- 183	302	- 183	6693	6510	2573	11	1 335 110	921	9079	10000	
524	9184	8660	0	2478	2478	- 31	11	- 493	82	- 493	6013	5520	2577	12	1 329 460	2110	8590	10700	
628	10088	7460	0	2677	2677	- 158	12	- 2470	45	- 2470	6160	3690	2566	13	1 318 280	2374	8726	11000	
907	8897	5990	0	3069	3069	- 174	13	- 2733	20	- 2733	5003	2270	2551	14	1 305 900	3796	7554	11300	
761	7681	4920	0	3310	3310	- 166	14	- 2595	6	- 2595	3815	1220	2541	15	1 290 800	5044	6356	11400	
182	5342	4160	0	3403	3403	- 71	15	- 1111	4	- 1111	1837	726	2537	16	1 276 480	6926	4374	11300	
26	5566	5540	0	3522	3522	- 2	16	- 24	6	- 24	2174	2150	2526	17	1 266 450	6400	4700	11100	
29	7929	7900	0	3627	3627	- 2	17	- 27	13	- 27	4117	4090	2519	18	1 258 460	4364	6636	11000	
23	8163	8140	0	3376	3376	- 1	18	- 22	5	- 22	4122	4100	2515	19	1 249 520	4163	6637	10800	
27	7257	7230	0	3422	3422	- 2	19	- 25	2	- 25	2905	2880	2507	20	1 235 610	5388	5412	10800	
127	7307	6180	0	3416	3416	- 8	20	- 119	1	- 119	2369	2250	2502	21	1 225 540	6029	4871	10900	
171	5681	5510	0	3342	3342	- 10	21	- 141	1	- 141	1961	1800	2495	22	1 210 190	6744	4456	11200	
259	5379	5120	0	3413	3413	- 14	22	- 243	2	- 243	1673	1430	2494	23	1 196 980	7333	4167	11500	
259	5029	4770	0	3486	3486	- 15	23	- 244	2	- 244	1424	1180	2494	24	1 180 500	7982	3918	11900	

RIVER GAGING STATIONS 1940

STT	MINIDOKA CANALS					HOWELLS			DATE	MILNER LAKE GAGE	GOODING			NORTH SIDE CANAL CO.						TWIN
c.Ft	NORTH	SOUTH	TOTAL	STOR.	NORM.	STOR.	NORM.	TOTAL			STOR.	NORM.	TOTAL	GOODING	R.R.	MAIN	TOTAL	STOR.	NORM.	STOR.
550	1190	547	1737	0	1737	0	5940	5940	MAY 5	10.74	0	1020	1020	240	56	2070	2366	0	2366	
490	1260	581	1841	0	1841	614	5146	5760	6	10.63	1040	0	1040	440	60	1880	2380	0	2380	
9950	1380	725	2105	0	2105	713	5267	5980	7	10.65	1030	0	1030	540	60	1870	2470	0	2470	
8310	1480	928	2408	0	2408	904	5496	6400	8	10.65	1030	0	1030	550	60	1920	2530	0	2530	
4670	1550	1140	2690	0	2690	1075	5695	6770	9	10.74	1100	0	1100	550	60	2070	2680	0	2680	
0150	1580	1280	2860	627	2233	1337	5813	7150	10	10.78	1140	0	1140	620	60	2120	2800	0	2800	3
8270	1580	1330	2910	1184	1726	2227	5193	7420	11	10.82	1140	0	1140	660	58	2180	2898	705	2193	18
8030	1580	1310	2890	1164	1726	3351	4229	7580	12	10.82	1170	0	1170	650	60	2230	2940	1711	1229	33
2450	1580	1320	2900	1174	1726	3900	3920	7820	13	10.82	1200	0	1200	650	60	2250	2960	2040	920	38
3430	1580	1310	2890	1164	1726	3670	4070	7740	14	10.91	1200	0	1200	640	60	2230	2930	1840	1070	32
3550	1580	1280	2860	356	2504	1591	5929	7520	15	10.80	1200	0	1200	650	60	2210	2920	0	2920	32
7070	1570	1260	2830	104	2726	1411	5979	7390	16	10.59	1190	0	1190	650	60	2260	2970	0	2970	32
5720	1620	1280	2900	174	2726	1660	6000	7660	17	10.63	1200	0	1200	640	60	2410	3110	110	3000	32
7480	1650	1290	2940	214	2726	1770	6000	7770	18	10.64	1200	0	1200	660	60	2450	3140	140	3000	31
2780	1650	1290	2940	214	2726	1820	6000	7820	19	10.64	1200	0	1200	650	60	2450	3140	140	3000	31
5950	1650	1270	2920	194	2726	1980	6000	7980	20	10.60	1200	0	1200	650	60	2480	3190	190	3000	34
4950	1650	1280	2930	204	2726	2060	6000	8060	21	10.76	1200	0	1200	650	60	2490	3200	200	3000	34
0430	1650	1280	2930	204	2726	2060	6000	8060	22	10.84	1200	0	1200	650	60	2480	3190	190	3000	34
6480	1650	1280	2930	204	2726	2010	6000	8010	23	10.86	1230	0	1230	650	60	2480	3190	190	3000	34
0370	1650	1300	2950	1224	1726	2157	5963	8120	24	10.88	1250	0	1250	650	60	2450	3160	197	2963	34
0950	1650	1320	2970	829	2141	1900	6000	7900	25	10.78	1250	0	1250	650	60	2390	3100	100	3000	37
2020	1650	1320	2970	1244	1726	2302	5678	7980	26	10.75	1250	0	1250	650	60	2390	3100	422	2678	38
2020	1650	1300	2950	1224	1726	3033	5027	8060	27	10.84	1260	0	1260	650	60	2350	3060	1033	2027	39
1370	1650	1300	2950	1224	1726	2057	5953	8010	28	10.96	1260	0	1260	650	60	2400	3110	157	2953	38
2950	1650	1310	2960	652	2308	1960	6000	7960	29	10.94	1260	0	1260	650	60	2480	3190	190	3000	37
2070	1650	1270	2920	194	2726	1960	6000	7960	30	10.94	1260	0	1260	660	60	2470	3190	190	3000	37
5430	1660	1220	2880	154	2726	1930	6000	7930	31	10.84	1260	0	1260	650	60	2420	3130	130	3000	39
3310	1620	1200	2820	94	2726	2010	6000	8010	JUN. 1	10.78	1250	0	1250	650	60	2460	3170	170	3000	39
3430	1560	1210	2770	44	2726	1980	6000	7980	2	10.80	1260	0	1260	660	60	2470	3190	190	3000	40
7450	1530	1160	2690	0	2690	1980	6000	7980	3	10.80	1260	0	1260	650	60	2460	3170	170	3000	39
6670	1500	1060	2560	0	2560	2060	6000	8060	4	10.82	1260	0	1260	650	60	2480	3190	190	3000	38
2670	1420	1080	2500	0	2500	2090	6000	8090	5	10.90	1270	0	1270	650	60	2480	3190	190	3000	34
8550	1340	1060	2400	0	2400	2010	6000	8010	6	11.04	1270	0	1270	650	60	2480	3190	190	3000	25
5910	1290	916	2206	0	2206	1740	6000	7740	7	10.82	1310	0	1310	660	60	2450	3170	170	3000	24
4720	1240	913	2153	0	2153	1880	6000	7880	8	10.73	1390	0	1390	670	60	2470	3200	200	3000	23
2720	1240	925	2165	0	2165	1216	6684	7900	9	10.98	1272	138	1410	660	60	2440	3160	0	3160	0
2380	1240	901	2141	0	2141	994	6666	7660	10	10.94	1250	150	1400	650	60	2470	3180	0	3180	0
1070	1240	998	2238	0	2238	918	6662	7580	11	10.84	1253	147	1400	650	60	2460	3170	0	3170	0
1720	1310	1060	2370	0	2370	821	6699	7580	12	10.70	1215	185	1400	650	60	2450	3160	0	3160	0
5480	1430	1160	2590	0	2590	1660	6000	7660	13	10.59	1400	0	1400	650	60	2460	3170	170	3000	27
6950	1480	1280	2760	34	2726	1930	6000	7930	14	10.58	1410	0	1410	650	60	2470	3180	180	3000	34
9950	1510	1310	2820	1094	1726	2232	5828	8060	15	10.74	1410	0	1410	650	60	2490	3200	372	2828	45
7430	1510	1240	2750	1024	1726	3520	4630	8150	16	10.89	1400	0	1400	650	60	2570	3280	1450	1430	39
8550	1520	1150	2670	1696	974	4750	3400	8150	17	10.98	1400	0	1400	650	60	2590	3300	2900	400	39
2670	1660	1080	2630	1330	1300	4500	3400	7900	18	11.04	1400	0	1400	660	60	2510	3230	2830	400	38
2150	1570	1140	2710	984	1726	2890	4910	7800	19	11.00	1390	0	1390	660	60	2510	3230	1320	1910	38
2990	1570	1170	2740	1014	1726	2859	4911	7770	20	10.70	1390	0	1390	650	60	2560	3270	1359	1911	38
2440	1570	1220	2790	1064	1726	4434	3686	8120	21	10.79	1390	0	1390	650	60	2600	3310	2624	686	41
2100	1590	1220	2810	1337	1471	4480	3400	7880	22	10.54	1390	0	1390	650	60	2570	3300	2900	400	42
1720	1580	1190	2770	1714	1056	4750	3400	8150	23	10.73	1410	0	1410	710	60	2620	3390	2990	400	50
2540	1580	1190	2770	2003	767	4800	3400	8200	24	10.71	1430	0	1430	740	60	2610	3410	3010	400	49
2550	1590	1210	2800	2282	518	4910	3400	8310	25	10.76	1430	0	1430	740	60	2610	3410	3010	400	

RIVE

PLATE NO. 12

ST TT		FALLS CAN. CO.		MILNER LOW LIFT			SNAKE R. AT MILNER		
Ac. Ft.	NO.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL
550		2500	2500	0	150	150	0	34	34
490		2590	2590	0	151	151	0	25	25
9350		2780	2780	153	0	153	0	17	17
8310		2900	2900	154	0	154	0	16	16
4670		3000	3030	160	0	160	0	15	15
0750		3000	3180	169	0	169	0	13	13
9270		3000	3330	169	0	169	11	0	11
8030		3000	3380	168	0	168	11	0	11
2450		3000	3320	168	0	168	10	0	10
4430		3000	3320	169	0	169	11	0	11
4550		3000	3320	169	0	169	0	9	9
3070		3000	3320	170	0	170	0	9	9
5720		3000	3320	169	0	169	9	0	9
7480		3000	3320	169	0	169	9	0	9
2780		3000	3320	170	0	170	9	0	9
1950		3000	3360	170	0	170	9	0	9
2950		3000	3360	170	0	170	9	0	9
0430		3000	3360	170	0	170	9	0	9
6480		3000	3360	170	0	170	9	0	9
0770		3000	3360	170	0	170	9	0	9
0950		3000	3370	156	0	156	9	0	9
9020		3000	3380	169	0	169	9	0	9
1020		3000	3380	168	0	168	9	0	9
3370		3000	3380	168	0	168	9	0	9
3950		3000	3370	168	0	168	9	0	9
2070		3000	3370	168	0	168	10	0	10
5430		3000	3390	166	0	166	9	0	9
3310		3000	3390	168	0	168	9	0	9
8430		3000	3400	168	0	168	9	0	9
4150		3000	3390	168	0	168	9	0	9
8670		3000	3380	168	0	168	9	0	9
2670		3000	3340	168	0	168	12	0	12
8550		3000	3250	168	0	170	11	0	11
5910		3000	3240	170	0	163	8	0	8
4720		3000	3230	163	0	157	0	9	9
2720		3220	3220	0	157	157	0	9	9
2380		3170	3170	0	157	157	0	8	8
1970		3180	3180	0	156	156	0	8	8
1720		3200	3200	0	155	155	8	0	8
5180		3000	3270	155	0	161	8	0	8
6950		3000	3340	161	0	169	8	0	8
9950		3000	3450	169	0	169	8	0	8
7430		3000	3390	169	0	169	10	0	10
8550		3000	3340	169	0	169	10	0	10
2670		3000	3380	169	0	169	11	0	11
2150		3000	3380	169	0	169	8	0	8
2790		3000	3380	169	0	169	8	0	8
2440		3000	3410	169	0	168	8	0	8
2100		3000	3420	168	0	168	8	0	8
1720		3000	3470	168	0	168	8	0	8
2540		3000	3500	168	0	168	8	0	
2550		3000	3490	168					

DATE	JACKSON LAKE Contents Ac.Ft.	MORAN STOR.	MORAN NORM.	MORAN TOTAL	TWIN LAKES STORED	MORAN TO HEISE LOSS STORED	DIVERSIONS MORAN TO HEISE STORED	DATE	HEISE STOR.	RILEY NORM.	RILEY TOTAL	DIV. HEISE - SHELLEY STOR.	DIV. HEISE - SHELLEY NORM.	DIV. HEISE - SHELLEY TOTAL	HEISE TO SHELLEY LOSS STORED	HENRYS FK. NR. REXBURG STOR.	HENRYS FK. NR. REXBURG NORM.	HENRYS FK. NR. REXBURG TOTAL	MARKET LAKE SPRINGS	DATE	S
JUN. 21	849 790	142	3498	3640	21	4	5	JUN. 22	154	10577	10731	238	7948	8186	8	- 45	924	879	7	JUN. 22	
22	846 720	2350	2100	4450	21	59	5	23	2307	8818	11125	220	7237	7457	112	- 94	864	770	7	23	
23	842 140	2410	2030	4440	21	61	5	24	2345	9240	11625	240	7797	8037	115	- 162	882	720	6	24	
24	837300	2650	1970	4620	21	67	5	25	2599	7520	10119	379	7528	7907	127	-139	824	690	6	25	
25	831700	3440	1880	5320	21	87	5	26	3369	6756	10325	946	6846	7792	164	- 215	930	715	6	26	
26	824580	4060	1810	5870	21	102	5	27	3974	6757	10731	1222	6677	7899	194	- 168	948	780	6	27	
27	816720	4080	1740	5820	22	103	5	28	3994	6532	10531	1465	6657	8122	195	- 309	1024	715	6	28	
28	808 900	4150	1670	5820	22	104	7	29	4041	6144	10225	1480	6563	8043	198	- 373	1048	675	6	29	
29	800560	4490	1600	6090	22	113	10	30	4389	5936	10325	1647	6551	8198	214	- 402	1052	650	6	30	
30	791500	4420	1550	5970	22	111	10	JUL. 1	4321	6204	10525	1681	6570	8151	211	- 375	1055	680	6	JUL. 1	
JUL. 1	783220	3780	1490	5270	22	95	10	2	3697	6518	10215	800	6549	7349	180	- 526	1556	1030	6	2	
2	776950	2310	1450	3760	22	58	10	3	2264	6824	9088	321	6557	6878	111	- 771	2091	1320	6	3	
3	773690	2220	1420	3640	22	56	10	4	2176	6085	8261	- 646	6474	5808	106	- 600	1920	1320	6	4	
4	767700	2930	1370	4300	22	74	10	5	2868	5778	8646	234	6384	6618	140	- 158	1448	1290	6	5	
5	761470	3230	1330	4560	22	81	10	6	3161	5498	8659	417	6428	6845	154	- 240	1460	1220	6	6	
6	755250	3830	1280	5110	20	96	10	7	3744	5090	8834	486	6407	6893	183	- 418	1488	1070	6	7	
7	746280	4660	1260	5920	20	117	10	8	4353	5004	9557	944	6406	7350	222	- 321	1321	1000	6	8	
8	737140	4680	1220	5900	20	118	10	9	4572	4811	9383	1508	6111	7619	223	- 336	1270	934	6	9	
9	727990	4890	1200	6090	20	123	10	10	4777	4706	9483	1999	5912	7911	233	- 503	1311	808	6	10	
10	718610	5210	1190	6400	20	131	10	11	5089	4507	9596	2106	5865	7971	248	- 531	1251	720	6	11	
11	707810	5760	1180	6940	20	144	10	12	5624	4403	10029	2419	5675	8094	275	- 367	1022	715	6	12	
12	696270	6150	1170	7320	20	154	10	13	6006	4323	10329	2660	5354	8014	293	- 399	1109	710	6	13	
13	684320	6380	1160	7540	20	160	10	14	6230	4299	10529	2963	5125	8088	304	- 331	1001	670	6	14	
14	671890	6730	1160	7890	20	169	10	15	6571	4158	10729	2959	5137	8096	321	- 425	1120	695	6	15	
15	658820	6960	1150	8110	20	174	15	16	6791	4338	11129	3066	5108	8174	331	- 294	1151	857	5	16	
16	645280	6530	1150	7680	19	164	15	17	6370	4759	11129	2976	5108	8084	311	- 447	1387	940	5	17	
17	633730	5380	1140	6520	19	135	15	18	5249	5875	11124	2378	5099	7477	256	- 176	1170	994	5	18	
18	623640	4340	1140	5480	19	109	15	19	4235	4727	8942	2229	5080	7309	206	11	1059	1070	5	19	
19	615040	4430	1130	5560	19	111	15	20	4323	4348	8691	2076	5095	7171	211	- 170	1390	1220	5	20	
20	605720	4780	1120	5900	19	120	15	21	4664	4090	8754	2306	5082	7388	227	131	1119	1260	5	21	
21	595490	5040	1100	6140	20	122	15	22	4918	3940	8858	2173	5025	7198	240	- 77	1071	994	5	22	
22	585290	5290	1090	6380	20	133	15	23	5162	3864	9026	2221	5009	7230	252	- 316	1134	818	5	23	
23	574860	5150	1080	6230	20	129	15	24	5026	3900	8926	2304	4971	7275	245	- 365	1120	755	5	24	
24	564730	4440	1060	5500	20	111	15	25	4334	4082	8416	2386	4834	7220	211	- 379	1129	750	5	25	
25	556020	4140	1050	5190	20	104	20	26	4036	3894	7930	2381	4752	7133	197	- 434	1199	765	5	26	
26	547810	4440	1030	5470	20	111	20	27	4329	3477	8004	2414	4792	7206	211	- 589	1423	884	5	27	
27	538210	5260	1040	6300	20	132	20	28	5128	3730	8858	1556	4834	6390	250	- 475	1515	1040	5	28	
28	527230	5230	1000	6230	20	131	20	29	5099	3764	8863	1694	4442	6336	248	- 249	1469	1220	5	29	
29	516540	5270	990	6260	20	132	20	30	5138	3656	8794	1660	4446	6306	251	- 214	1504	1290	5	30	
30	506090	5380	970	6350	20	135	20	31	5245	3689	8934	1563	4450	6213	256	- 123	1423	1320	5	31	
31	495240	5430	950	6380	20	136	20	AUG. 1	5294	3579	8893	1582	4577	6159	258	- 293	1513	1220	5	AUG. 1	
AUG. 1	484850	5460	920	6380	19	137	20	2	5322	3516	8838	1665	4510	6175	260	- 336	1436	1100	5	2	
2	474070	5470	910	6380	19	137	20	3	5332	3366	8698	2104	4423	6527	260	- 227	1307	1080	5	3	
3	463300	5510	890	6400	19	138	20	4	5371	3327	8698	2101	4409	6510	262	- 285	1345	1060	5	4	
4	452370	5530	870	6400	19	139	20	5	5390	3301	8691	2241	4355	6596	263	- 278	1328	1050	5	5	
5	441230	5540	840	6380	19	139	20	6	5400	3259	8659	2390	4376	6766	240	- 136	1196	1060	5	6	
6	430820	5050	820	5870	18	127	20	7	4921	3358	8279	2052	4306	6358	240	- 238	1378	1140	5	7	
7	420670	5610	790	6400	18	141	20	8	5467	3151	8618	2029	4273	6302	267	- 123	1313	1190	5	8	
8	409220	5620	760	6380	18	141	20	9	5477	3137	8614	1705	4142	5847	267	- 164	1354	1190	5	9	
9	397820	5630	750	6380	18	141	20	10	5482	3141	8648	1375	4054	5429	267	- 99	1249	1150	5	10	
10	386480	5640	740	6380	18	142	20	11	5496	3112	8608	1681	3748	5429	268	- 155	1293	1140	5	11	
11	375400	5650	730	6380	18	142	20	12	5506	3102	8608	1592	3753	5345	269	- 184	1324	1140	5	12	
																				13	

DAILY SUMMARY OF DATA AT AND BETWEEN SNAKE

24 HOUR SECOND FEET EXCEPT AS NOTED

SHELLEY			DIV. SHELLEY-BLACKFOOT			SHELLEY BLACKFOOT LOSS STORED	DATE	THEORETICAL BALANCE STORED AT BLACKFOOT	BLACKFOOT RIVER	CLOUGH			CALCULATED INFLOW CLOUGH TO NEELEY	DATE	AM. FALLS RESERVOIR Contents Ac.Ft.	NEELEY			L.F. W.A. Conte
STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL					STOR.	NORM.	TOTAL				STOR	NORM.	TOTAL	
-130	4760	4630	0	3441	3441	-8	JUN.24	-122		-122	1422	1300	2504	JUN.25	1164960	8172	3928	12100	
1888	2802	4690	0	3473	3473	113	25	1775	5	877	153	1030	2502	26	1143220	9145	2655	11800	
1854	2336	4190	0	3433	3433	111	26	1743	3	453	152	605	2502	27	1128470	8646	2654	11300	
1960	1980	3940	0	3415	3415	118	27	1842	2	259	152	411	2497	28	1113310	7951	2649	10600	
2050	1970	4020	1647	1759	3406	24	28	379	2	223	152	375	2484	29	1100230	7664	2636	10300	
2396	1644	4040	1644	1813	3457	45	29	707	2	248	152	400	2492	30	1082190	7656	2644	10300	
2031	1249	3780	1522	1686	3208	31	30	478	2	193	152	345	2494	JUL.1	1070470	7554	2646	10200	
2016	1354	3370	1269	1592	2861	45	JUL.1	702	2	332	156	488	2504	2	1058580	7440	2660	10100	
2132	1458	3590	1111	1363	2474	41	2	960	4	1071	159	1230	2520	3	1046700	7421	2679	10100	
2160	1280	3740	935	1347	2282	73	3	1152	9	1868	152	2020	2535	4	1036670	7313	2687	10000	
2197	2463	4860	-92	1734	1642	137	4	2152	2	2634	156	2790	2546	5	1024730	7598	2702	10200	
1067	3683	4750	-199	1700	1501	76	5	1190	6	2502	158	2660	2540	6	1011860	8002	2698	10700	
2142	2608	4750	184	1678	1862	117	6	1841	8	2187	153	2260	2537	7	1001990	8210	2690	10900	
2342	1948	4290	360	1701	2061	119	7	1863	3	1078	152	1230	2541	8	987820	8407	2693	11100	
2356	1584	3940	1406	1350	2756	57	8	893	2	846	152	998	2537	9	971010	8611	2689	11300	
2663	1397	4060	1497	1239	2736	70	9	1096	2	979	151	1130	2530	10	956820	8719	2681	11400	
3072	848	3920	1627	1236	2863	87	10	1358	1	581	151	682	2531	11	940180	8818	2682	11500	
2511	739	3250	1591	1209	2800	55	11	865	1	149	151	300	2533	12	920770	8816	2684	11500	
2048	932	2980	1683	1111	2794	22	12	343	1	24	151	175	2525	13	901760	8924	2676	11600	
2210	610	2820	1657	958	2615	33	13	520	1	4	151	155	2523	14	885670	9026	2674	11700	
2631	429	3060	1684	1015	2699	57	14	890	1	4	151	155	2533	15	868420	8816	2684	11500	
2660	590	3250	1974	1029	3003	41	15	645	2	0	150	150	2526	16	850710	8724	2676	11400	
2638	802	3440	2087	742	2829	33	16	518	5	125	155	280	2525	17	834700	8620	2680	11300	
2872	858	3730	2039	751	2790	50	17	783	2	400	152	552	2531	18	818100	8617	2683	11300	
3105	955	4060	2326	728	3054	47	18	732	1	679	151	830	2534	19	802140	8815	2685	11500	
2641	1549	4190	2199	829	3028	27	19	415	2	718	152	870	2531	20	786250	8817	2683	11500	
2444	1476	3920	2085	814	2899	22	20	337	1	489	151	640	2531	21	769660	8818	2682	11500	
1816	1494	3310	2101	808	2909	-17	21	-248	1	426	151	577	2531	22	753430	8618	2682	11300	
1871	1499	3370	1548	819	2387	18	22	285	1	671	151	822	2526	23	738980	8423	2677	11100	
2267	963	3230	1547	791	2338	43	23	677	1	599	151	750	2522	24	723890	8427	2673	11100	
2433	637	3070	1234	822	2058	22	24	1125	1	663	151	814	2518	25	707270	8431	2669	11100	
2378	602	2980	1337	693	2030	42	25	979	0	360	150	510	2531	26	691900	8319	2681	11000	
2117	733	2850	1688	652	2340	26	26	403	1	326	151	477	2524	27	675340	8225	2675	10900	
1363	1147	2510	953	689	1642	25	27	385	1	751	151	902	2524	28	662730	8125	2675	10800	
1029	1121	2150	522	702	1224	30	28	427	0	568	150	718	2526	29	647810	8124	2676	10800	
1120	1170	2290	524	692	1216	36	29	560	0	1010	150	1160	2519	30	635240	8131	2669	10800	
2852	828	3680	662	714	1376	132	30	2058	1	1409	151	1560	2515	31	622030	8234	2666	10900	
2913	1127	4040	1434	725	2159	89	31	1390	1	1209	151	1360	2517	AUG.1	607790	8432	2668	11100	
3018	1122	4140	2000	687	2687	61	AUG.1	957	1	1469	151	1620	2521	2	593410	8528	2672	11200	
3308	882	4190	1424	696	2122	113	2	1769	1	1599	151	1750	2518	3	582240	8431	2669	11100	
3166	994	4160	1454	671	2125	103	3	1609	1	1509	151	1660	2517	4	568320	8332	2668	11000	
3066	954	4020	1439	672	2111	98	4	1529	1	1379	151	1530	2511	5	555600	8438	2662	11100	
2746	1004	3750	1214	666	1880	92	5	1440	1	1099	151	1250	2518	6	542070	8431	2669	11100	
2728	952	3680	1614	656	2270	67	6	1047	1	1009	151	1160	2514	7	527700	8335	2665	11000	
2613	887	3500	1500	663	2163	67	7	1046	0	930	150	1080	2508	8	513960	8342	2658	11000	
2639	861	3500	1457	658	2115	71	8	1111	1	959	151	1110	2509	9	499150	8340	2660	11000	
2396	1104	3500	1609	672	2281	47	9	740	0	1170	150	1320	2512	10	484700	8438	2662	11100	
3053	987	4040	1298	692	1990	105	10	1650	0	1660	150	1810	2512	11	473640	8338	2662	11000	
3346	1044	4390	1414	636	2050	116	11	1816	0	1840	150	1990	2512	12	461400	8438	2662	11100	
3751	699	4450	1305	609	1914	187	12	2299	0	2120	150	2270	2510	13	447130	8440	2660	11100	
3397	1073	4470	1190	574	1764	133	13	2074	0	1820	150	1970	2507	14	434400	8343	2657	11000	
3466	1034	4500	1451	565	2216	109	14	1706	0	1590	150	1740	2506	15	420730	8244	2656	10900	

RIVER GAGING STATIONS 1940

LAKE COTT Cnts Ac. Ft	MINIDOKA CANALS					HOWELLS			DATE	MILNER LAKE GAGE
	NORTH	SOUTH	TOTAL	STOR.	NORM	STOR.	NORM.	TOTAL		
94370	1590	1240	2830	2302	528	5180	3400	8580	JUNE	
93320	1590	1210	2800	2800	0	6065	2655	8720	27	10.72
93550	1590	1250	2840	2840	0	6016	2654	8670	28	10.74
93200	1580	1270	2850	2850	0	5841	2649	8500	29	10.98
92160	1580	1250	2830	2830	0	5484	2636	8120	30	10.93
89710	1570	1230	2800	2800	0	5586	2644	8230	JUL. 1	10.66
88900	1590	1250	2840	2840	0	55584	2646	8230	2	10.60
87500	1600	1280	2880	2880	0	5540	2660	8200	3	10.74
85870	1590	1270	2860	2860	0	5551	2679	8230	4	10.71
83310	1580	1220	2800	2800	0	5593	2687	8280	5	10.74
81810	1580	1300	2880	2880	0	5608	2702	8310	6	10.80
79710	1590	1320	2910	2910	0	5642	2698	8360	7	10.80
79590	1590	1300	2890	2890	0	5730	2690	8420	8	10.88
79030	1590	1330	2920	2920	0	5727	2693	8420	9	10.96
79030	1590	1350	2940	2940	0	5701	2689	8390	10	10.88
79140	1600	1350	2950	2950	0	5709	2681	8390	11	10.89
79590	1600	1350	2950	2950	0	5898	2682	8580	12	10.97
79210	1610	1340	2950	2950	0	5736	2684	8420	13	10.97
79030	1630	1330	2960	2960	0	5794	2676	8470	14	10.86
79930	1640	1330	2970	2970	0	5876	2674	8550	15	10.94
80610	1640	1330	2970	2970	0	5786	2684	8470	16	10.98
80160	1640	1330	2970	2970	0	5644	2696	8340	17	11.00
80160	1590	1290	2880	2880	0	5570	2680	8250	18	10.99
79930	1590	1290	2880	2880	0	5487	2683	8170	19	10.94
79710	1590	1300	2890	2890	0	5465	2685	8150	20	10.86
80610	1560	1260	2820	2820	0	5467	2683	8150	21	10.82
80830	1540	1220	2760	2760	0	5488	2682	8170	22	10.85
80830	1570	1220	2730	2730	0	5438	2682	8120	23	10.88
80610	1480	1270	2750	2750	0	5443	2677	8120	24	10.94
79930	1470	1290	2760	2760	0	5417	2673	8090	25	10.96
79480	1420	1290	2710	2710	0	5341	2669	8010	26	11.02
80040	1380	1290	2670	2670	0	5329	2681	8010	27	10.89
79140	1350	1290	2640	2640	0	5335	2675	8010	28	10.88
79710	1320	1250	2570	2570	0	5305	2675	7980	29	10.84
79480	1310	1180	2490	2490	0	5304	2676	7980	30	10.82
79710	1360	1150	2510	2510	0	5311	2669	7980	31	10.76
79140	1380	1170	2550	2550	0	5454	2666	8120	AUG. 1	10.77
78580	1400	1210	2610	2610	0	5502	2668	8170	2	10.76
78130	1430	1260	2690	2690	0	5748	2672	8420	3	10.86
78470	1430	1270	2700	2700	0	5691	2669	8360	4	10.82
77340	1470	1240	2710	2710	0	5612	2668	8280	5	10.87
77450	1530	1260	2790	2790	0	5458	2662	8120	6	10.84
77450	1560	1270	2830	2830	0	5391	2669	8060	7	10.82
77340	1560	1250	2810	2810	0	5395	2655	8060	8	10.82
77230	1560	1260	2820	2820	0	5382	2658	8040	9	10.78
77000	1550	1290	2840	2840	0	5460	2660	8120	10	10.84
75870	1560	1290	2850	2850	0	5588	2662	8250	11	10.86
76550	1570	1270	2840	2840	0	5538	2662	8200	12	10.88
76100	1570	1260	2830	2830	0	5428	2662	8090	13	10.78
75080	1560	1270	2830	2830	0	5490	2660	8150	14	10.77
74860	1560	1260	2820	2820	0	55513	2657	8170	15	10.74
74290	1550	1260	2810	2810	0	5574	2656	8230	16	10.81

GOODING			NORTH SIDE CANAL CO.						TWIN
STOR.	NORM.	TOTAL	GOODING	R.R.	MAIN	TOTAL	STOR.	NORM.	STOR.
1450	0	1450	740	60	2600	3400	3000	400	55
1480	0	1480	750	60	2600	3410	3098	312	124
1480	0	1480	750	60	2600	3410	3098	312	122
1480	0	1480	740	60	2570	3370	3058	312	120
1480	0	1480	740	60	2580	3380	3070	310	119
1480	0	1480	730	60	2530	3320	3009	311	119
1470	0	1470	740	60	2500	3300	2989	311	121
1460	0	1460	740	60	2540	3340	3027	313	119
1460	0	1460	740	60	2550	3350	3035	315	117
1460	0	1460	730	60	2530	3320	3006	314	116
1460	0	1460	770	60	2510	3340	3022	318	113
1460	0	1460	780	60	2490	3330	3012	318	114
1460	0	1460	790	60	2500	3350	3033	317	117
1460	0	1460	790	60	2510	3360	3043	317	117
1460	0	1460	780	60	2510	3350	3033	316	116
1460	0	1460	850	60	2520	3430	3114	316	123
1460	0	1460	880	60	2520	3460	3144	316	120
1470	0	1470	880	60	2520	3460	3144	316	120
1490	0	1490	890	60	2530	3480	3165	315	119
1500	0	1500	910	60	2540	3510	3195	315	121
1500	0	1500	910	60	2530	3500	3184	316	120
1500	0	1500	910	60	2510	3480	3165	315	120
1500	0	1500	910	60	2460	3430	3115	315	122
1500	0	1500	910	60	2450	3420	3104	316	125
1500	0	1500	910	60	2440	3410	3094	316	125
1500	0	1500	910	60	2420	3390	3074	316	126
1500	0	1500	890	60	2410	3360	3044	316	126
1500	0	1500	900	60	2410	3370	3054	316	123
1500	0	1500	890	60	2410	3360	3045	315	124
1500	0	1500	900	60	2450	3410	3096	314	124
1500	0	1500	900	60	2460	3420	3106	314	124
1500	0	1500	900	60	2460	3420	3104	316	124
1490	0	1490	900	60	2430	3390	3075	315	125
1480	0	1480	900	60	2390	3350	3035	315	125
1480	0	1480	900	60	2370	3330	3015	315	123
1470	0	1470	880	60	2370	3310	2996	314	124
1460	0	1460	890	60	2370	3320	3006	314	123
1460	0	1460	900	60	2450	3410	3096	314	123
1460	0	1460	900	60	2550	3510	3196	314	121
1460	0	1460	890	60	2500	3450	3136	314	120
1370	0	1370	910	60	2470	3440	3126	314	119
1330	0	1330	910	60	2460	3430	3117	313	121
1330	0	1330	910	60	2460	3430	3116	314	121
1320	0	1320	900	60	2460	3420	3106	314	122
1310	0	1310	900	60	2450	3410	3097	313	124
1310	0	1310	910	59	2520	3489	3174	313	124
1330	0	1330	910	59	2580	3549	3234	313	124
1320	0	1320	910	59	2540	3509	3196	313	124
1310	0	1310	900	59	2530	3489	3174	313	124
1310	0	1310	900	59	2530	3489	3176	313	124
1300	0	1300	900	59	2510	3469	3157	312	125
1310	0	1310	900	59	2500	3459	3147	312	126

AKE COTT nts Ac.f	FALLS CAN. CO.		MILNER LOW LIFT			SNAKE R. AT MILNER		
	NORM.	TOTAL	STOR.	NORM	TOTAL	STOR.	NORM.	TOTAL
94370	3000	3550	168	0	168	8	0	8
93327	2343	3590	168	0	168	8	0	8
93558	2342	3570	168	0	168	10	0	10
93208	2337	3540	168	0	168	9	0	9
92164	2326	3520	168	0	168	8	0	8
89717	2333	3530	166	0	166	9	0	9
8890	2335	3550	166	0	166	9	0	9
8750	2347	3540	166	0	166	9	0	9
8582	2364	3540	166	0	166	9	0	9
8331	2371	3540	167	0	167	9	0	9
8151	2384	3520	168	0	168	9	0	9
79713	2380	3520	168	0	168	9	0	9
79597	2373	3550	168	0	168	10	0	10
79034	2376	3550	168	0	168	9	0	9
79037	2372	3540	168	0	168	9	0	9
79145	2365	3600	168	0	168	10	0	10
79594	2366	3570	168	0	168	12	0	12
79712	2368	3570	168	0	168	10	0	10
79037	2361	3560	167	0	167	10	0	10
7993	2359	3570	168	0	168	12	0	12
80612	2368	3570	168	0	168	15	0	15
80167	2361	3570	168	0	168	15	0	15
80165	2365	3590	168	0	168	12	0	12
79937	2367	3620	168	0	168	11	0	11
7971	2369	3620	168	0	168	9	0	9
80617	2367	3630	168	0	168	9	0	9
80834	2366	3630	168	0	168	9	0	9
80834	2366	3600	169	0	169	9	0	9
80612	2362	3610	170	0	170	10	0	10
79931	2359	3600	170	0	170	10	0	10
7948	2355	3600	170	0	170	10	0	10
8004	2365	3610	172	0	172	10	0	10
79145	2360	3610	172	0	172	10	0	10
7971	2360	3610	173	0	173	10	0	10
7948	2361	3600	173	0	173	10	0	10
7971	2355	3600	173	0	173	10	0	10
79143	2352	3590	173	0	173	10	0	10
7858	2354	3590	173	0	173	10	0	10
78132	2358	3570	173	0	173	11	0	11
78427	2355	3560	173	0	173	11	0	11
77347	2354	3550	173	0	173	11	0	11
7745	2349	3560	173	0	173	11	0	11
77455	2355	3570	173	0	173	10	0	10
77347	2351	3580	173	0	173	10	0	10
77235	2345	3590	173	0	173	10	0	10
77063	2347	3590	173	0	173	10	0	10
75877	2349	3590	173	0	173	10	0	10
76557	2349	3590	172	0	172	11	0	11
76101	2349	3590	171	0	171	11	0	11
75087	2347	3600	170	0	170	11	0	11
74867	2345	3610	168	0	168	11	0	11
7429	2344	3610	168	0	168	11	0	11

DATE	JACKSON LAKE Contents Ac.Ft.	MORAN STOR.	MORAN NORM.	MORAN TOTAL	TWIN LAKES STORED	MORAN TO HEISE LOSS STORED	DIVERSION MORAN TO HEISE STORED	DATE	HEISE STOR.	HEISE + RILEY NORM.	HEISE + RILEY TOTAL	DIV. HEISE - SHELLEY STOR.	DIV. HEISE - SHELLEY NORM.	DIV. HEISE - SHELLEY TOTAL	HEISE TO SHELLEY LOSS STORED	HENRYS FK NR REXBURG STOR	HENRYS FK NR REXBURG NORM.	HENRYS FK NR REXBURG TOTAL	MARKET LAKE SPRINGS	DI
AUG.12	364 830	5460	720	6380	18	142	20	AUG.13	5814	3068	8584	2125	3700	5825	269	-195	1335	1140	5	AU
13	353 860	5480	720	6400	17	142	20	14	5636	3049	8584	2215	3671	5886	270	-187	1297	1110	5	
14	342 530	5470	710	6380	17	142	20	15	5516	3059	8584	2205	3682	5887	270	-187	1297	1110	5	
15	331030	5410	690	6300	17	141	20	16	5446	2982	8448	2239	3667	5906	267	-55	1285	1230	5	
16	320040	5510	680	6190	18	138	20	17	5370	3008	8378	1676	3649	5325	242	-14	1244	1230	5	
17	309310	5420	670	6090	19	137	20	18	5282	2991	8273	1687	3644	5231	258	-642	1642	1000	5	
18	298660	5340	670	6010	20	134	20	19	5204	2972	8178	1731	3638	5369	254	-396	1284	890	5	
19	288270	5210	680	5890	21	131	20	20	5080	3048	8148	1758	3598	5356	248	-31	973	942	5	
20	277540	4670	700	5370	22	117	20	21	4555	3389	7944	1807	3491	5298	222	-74	1214	1140	5	
21	267480	4080	780	4860	23	102	20	22	3981	3442	7423	1770	3347	5117	194	35	1255	1290	5	
22	259990	4070	820	4890	22	102	20	23	3970	3393	7363	2266	3369	5635	194	89	1251	1340	5	
23	252340	4050	760	4810	21	102	20	24	3949	3444	7393	2208	3469	5677	193	170	1250	1420	5	
24	243860	3520	680	4200	20	89	20	25	3431	3621	7052	2424	3476	5900	167	161	1299	1460	5	
25	237730	2790	610	3400	19	70	20	26	2719	3661	6380	2052	3486	5538	132	169	1291	1460	5	
26	233040	2210	580	2790	19	56	20	27	2153	3463	5616	1435	3695	5130	105	132	1358	1490	5	
27	227940	1780	560	2340	18	45	20	28	1733	3352	5085	1421	3907	5328	85	147	1343	1490	5	
28	224880	1600	540	2140	18	40	20	29	1558	3024	4582	1263	3769	5232	76	224	1226	1450	5	
29	220630	2080	520	2600	18	53	20	30	2025	2798	4823	1308	3998	5306	99	175	1225	1400	5	
30	216400	2110	500	2610	17	53	20	31	2054	2850	4904	1255	3980	5235	100	71	1269	1340	5	SE
31	211980	2270	480	2750	16	57	20	SEP. 1	2209	2694	4903	1279	3970	5249	108	-24	1314	1290	5	
SEP. 1	205750	3260	470	3730	15	82	0	2	3193	2312	5505	1271	3813	5084	156	14	1266	1280	5	
2	196780	4010	470	4480	14	101	0	3	3923	2637	6560	1659	3968	5627	191	-25	1315	1290	5	
3	190250	3240	460	3700	13	81		4	3172	3600	6772	1128	3940	5068	155	21	1379	1400	5	
4	186290	690	460	1150	12	18		5	684	3999	4683	511	4223	4734	33	15	1425	1440	5	
5	185300	226	455	681	11	6		6	231	3359	3590	240	4038	4278	11	57	1363	1420	5	
6	184700	1195	455	1650	10	30		7	1175	2175	3350	239	3840	4079	57	76	1284	1360	5	
7	180190	2400	450	2850	9	60		8	2349	2434	4783	149	3733	3902	115	98	1322	1420	5	
8	174340	2450	450	2900	8	62		9	2396	2869	5265	203	3962	4165	117	166	1244	1410	5	
9	168880	2175	445	2620	7	55		10	2127	2977	5104	215	3848	4063	104	136	1304	1440	5	
10	166540	1510	440	1950	6	38		11	1478	3325	4803	215	4052	4267	72	103	1387	1490	5	
11	165570	915	435	1350	5	23		12	897	3134	4031	274	4056	4330	44	73	1347	1420	5	
12	163230	950	430	1380	0	24		13	926	2975	3901	139	4206	4345	45	179	1201	1380	5	
13	161120	770	430	1200	0	19		14	751	3130	3881	-42	4133	4091	37	40	1220	1260	5	
14	160350	640	430	1070		16		15	624	3007	3431	-57	4100	4043	30	-10	1210	1200	5	
15	159580	524	425	949		13		16	511	3019	3530	-44	3988	3944	25	71	1039	1110	5	
16	158050	462	425	887		12		17	450	2920	3370	9	3882	3891	22	179	841	1020	5	
17	156710	462	425	887		12		18	450	2920	3370	-79	4091	4012	22	174	896	1070	5	
18	155560	462	425	887		12		19	450	3060	3510	0	3914	3914	22	164	986	1150	5	
19	154790	166	425	591		4		20	162	3448	3610	0	3408	3408	8	42	1098	1140	5	
20	155750	0	181	181		0		21	0	3370	3370	0	3262	3262	0	142	1108	1250		
21	156520							22	0	2970	2970	0	3326	3326		186	1164	1350		
22	157470							23	0	2740	2740	0	3256	3256		189	1201	1390		
23	158240							24	0	2640	2640	0	3100	3100		187	1153	1340		
24	158820							25	0	2620	2620	0	2920	2920		194	1076	1270		
25	159580							26	0	2660	2660	0	2650	2650		201	1109	1310		
26	160350							27	0	2620	2620	0	2597	2597		187	1183	1370		
27	161310							28	0	2720	2720	0	2589	2589		182	1228	1410		
28	163630							29	0	2870	2870	0	2498	2498		118	1432	1550		DC
29	164790							30	0	2920	2920	0	2491	2491		147	1503	1650		
30	166360							Oct. 1								125				
															110444	-18507			526	
TOTALS		232187			1730	5858	1127		226932			129931								

DAILY SUMMARY OF DATA AT AND BETWEEN

24 HOUR SECOND FEET EXCEPT AS NOTED

DATE	SHELLEY STOR.	SHELLEY NORM.	SHELLEY TOTAL	DIV. SHELLEY-BLACKFOOT STOR.	DIV. SHELLEY-BLACKFOOT NORM.	DIV. SHELLEY-BLACKFOOT TOTAL	SHELLEY BLACKFOOT LOSS STORED	DATE	THEORETICAL BALANCE STORED AT BLACKFOOT	BLACKFOOT RIVER	CLOUGH STOR.	CLOUGH NORM.	CLOUGH TOTAL	CALCULATED INFLOW CLOUGH TO NEELEY	DATE	AM. FALLS RESERVOIR Contents Ac. Ft.	NEELE STOR.	NEELE NOR
JUL. 14	2932	1228	4160	1731	525	2256	72	AUG. 15	1129	0	1320	150	1470	2506	AUG. 16	407800	8144	2
15	2868	1272	4140	1829	550	2379	62	16	977	0	1390	150	1540	2500	17	396510	8150	2
16	2868	1272	4140	1515	564	2079	81	17	1272	0	2080	150	2230	2497	18	385110	8053	2
17	2910	1150	4060	744	594	1338	130	18	2036	0	2730	150	2880	2501	19	375350	7109	2
18	3521	799	4320	142	582	724	203	19	3176	0	2990	150	3140	2506	20	367840	6624	2
19	2800	1220	4020	83	583	666	163	20	2554	0	2580	150	2730	2507	21	359720	6883	2
20	2832	1018	3850	547	602	1149	137	21	2148	0	1890	150	2040	2519	22	349220	7051	2
21	3048	872	3920	1064	513	1577	119	22	1865	0	1630	150	1780	2528	23	338070	6952	2
22	2455	1585	4040	1455	528	1983	60	23	940	0	1510	150	1660	2517	24	328340	6563	2
23	2057	1813	3870	1497	567	2064	34	24	526	0	980	450	1430	2513	25	318380	5737	2
24	1604	1946	3550	1456	561	2017	9	25	139	0	810	450	1260	2525	26	309380	5335	2
25	1723	1777	3500	1499	569	2068	13	26	211	0	740	450	1190	2539	27	300410	5011	2
26	996	2214	3210	1531	564	2095	-32	27	-503	0	970	150	1120	2531	28	289980	5359	2
27	709	2111	2820	908	1095	2003	-12	28	-187	0	930	150	1080	2521	29	283080	5329	2
28	750	1760	2510	567	674	1241	11	29	172	0	784	150	934	2539	30	274400	5271	2
29	329	1701	2080	549	677	1226	-10	30	-160	0	532	150	682	2531	31	265030	5229	2
30	448	1262	1710	310	662	972	8	31	130	0	539	150	689	2534	SEP. 1	255730	5061	2
SEP. 1	775	695	1470	81	672	753	43	SEP. 1	668	0	511	150	661	2535	2	247140	4885	2
2	803	667	1470	625	544	1169	42	2	652	0	250	150	400	2564	3	239280	4446	2
3	1785	135	1920	340	542	882	11	3	167	0	150	150	300	2589	4	232860	3961	2
4	2053	1137	3190	276	701	977	87	4	1358	0	930	150	1080	2629	5	228260	3411	2
5	1915	1705	3620	-208	681	473	107	5	1670	0	1860	750	2610	2641	6	224630	2319	3
6	160	2180	2340	-249	665	416	128	6	1995	0	2070	350	2420	2648	7	224800	2412	2
7	42	1778	1820	-282	913	631	25	7	384	0	400	950	1350	2658	8	222760	1802	3
8	960	740	1700	-259	1469	1210	19	8	305	0	434	150	584	2666	9	219510	2594	2
9	2168	362	2530	276	825	1101	73	9	1146	2	511	150	661	2671	10	216050	2529	2
10	2247	673	2920	721	715	1436	114	10	1778	1	1140	150	1290	2684	11	213200	2356	2
11	1949	961	2910	752	681	1433	92	11	1434	0	1220	150	1370	2690	12	212180	2030	2
12	1299	1401	2700	712	763	1475	72	12	1125	0	1110	150	1260	3017	13	214010	1133	3
13	657	1603	2260	886	931	1817	35	13	552	15	648	150	798	2926	14	214210	824	3
14	926	1244	2170	404	1414	1818	-14	14	-215	34	476	150	626	2838	15	213400	712	2
15	801	1169	1970	391	1427	1818	31	15	491	27	360	150	510	2762	16	212990	548	2
16	646	1114	1760	382	1037	1419	25	16	385	57	327	150	477	2764	17	214210	836	2
17	606	944	1550	0	1003	1003	16	17	248	141	568	150	718	2765	18	214820	1205	2
18	603	697	1300	0	878	878	36	18	570	131	592	150	742	2768	19	212990	2562	2
19	686	694	1380	0	704	704	36	19	567	158	567	223	790	2778	20	211770	729	3
20	597	1293	1890	0	721	721	41	20	645	201	645	455	1100	2797	21	213810	788	3
21	201	2039	2240	0	636	636	36	21	561	255	561	929	1490	2795	22	214440	0	1
22	142	2158	2300	0	554	554	12	22	189	256	189	1641	1830	2778	23	222760	0	3
23	186	2114	2400	0	549	549	8	23	134	89	134	1636	1770	2766	24	228870	0	1
24	189	2141	2330	0	830	830	11	24	175	73	175	1455	1630	2765	25	234120	0	1
25	187	2033	2220	0	1010	1010	11	25	178	69	178	1152	1330	2764	26	239590	0	1
26	194	1976	2170	0	1042	1042	12	26	176	67	176	1084	1260	2762	27	242750	0	1
27	201	1889	2090	0	1035	1035	12	27	182	71	182	998	1180	2764	28	247480	0	
28	187	2103	2290	0	999	999	11	28	189	81	189	1041	1230	2765	29	255940	0	1
29	182	2198	2380	0	907	907	11	29	176	105	176	1354	1530	2777	30	264380		
30	118	2442	2560	0	787	787	7	30	171	153	171	1599	1770	2780				
JUL. 1	147						9	OCT. 1	111		111							
2	125						7	2	138		138							
								3	118		118							
				88741			-1245		-19521		-20802						742936	
	67975																	

SNAKE RIVER GAGING STATIONS 1940

DAY	RIVER		LAKE WALCOTT	MINIDOKA CANALS					HOWELLS			MILNER LAKE	GOODING			NORTH SIDE CANAL				
	M.	TOTAL	Contents AcFt	NORTH	SOUTH	TOTAL	STOR.	NORM.	STOR.	NORM	TOTAL	DATE	GAGE	STOR.	NORM	TOTAL	GOODING	P.R.	MAIN	TOTAL	S
1	456	10800	73940	1550	1280	2830	2830	0	5619	2626	8170	AUG 17	10.83	1340	0	1340	910		2926	3836	
2	450	10800	73730	1560	1250	2810	2810	0	5419	2629	8040	18	10.90	1320	0	1320	910	59	2926	3895	
3	447	10700	73940	1540	1240	2800	2800	0	5173	2627	7820	19	11.00	1320	0	1320	920	59	2876	3855	
4	451	9760	73740	1540	1260	2800	2800	0	5119	2657	7270	20	10.96	1340	0	1340	900	59	2876	3835	
5	456	9280	72380	1490	1250	2720	2720	0	4954	2654	7410	21	10.92	1340	0	1340	910	59	2886	3855	
6	457	9340	70290	1440	1250	2690	2690	0	4863	2657	7520	22	10.84	1340	0	1340	900	59	1960	2919	
7	469	9720	69300	1440	1220	2660	2660	0	4861	2669	7520	23	10.81	1340	0	1340	900	59	1820	2779	
8	478	9430	68420	1440	1180	2620	2620	0	4872	2678	7550	24	10.88	1360	0	1360	900	59	1820	2779	
9	467	9230	67760	1400	1000	2400	2400	0	4863	2667	7520	25	10.92	1330	0	1330	890	59	1730	2679	
10	463	8700	66660	1340	812	2152	2152	0	4837	2663	7500	26	10.98	1330	0	1330	870	59	1730	2659	
11	475	8310	64360	1310	712	2022	2022	0	4796	2925	7170	27	10.82	1330	0	1330	870	59	1790	2719	
12	489	8000	62380	1240	768	2008	2008	0	4831	2988	7040	28	10.50	1330	0	1330	870	59	1730	2659	
13	481	8040	59880	1180	768	1948	1948	0	4659	2681	7340	29	10.60	1320	0	1320	880	59	1660	2599	
14	471	8000	57950	1180	795	1975	1975	0	4879	2677	7650	30	10.72	1320	0	1320	870	59	1670	2599	
15	489	7940	55240	1170	807	1977	1977	0	4921	2689	7610	31	10.84	1320	0	1320	870	59	1730	2659	
16	484	7910	52250	1160	771	1931	1931	0	4819	2681	7500	SEP 1	10.91	1320	0	1320	870	59	1690	2619	
17	485	7240	50210	1160	676	1836	1836	0	4624	2684	7310	2	10.90	1300	0	1300	870	59	1660	2589	
18	514	7570	47780	1160	795	1955	1955	0	4245	2685	6900	3	10.92	1290	0	1290	870	59	1600	2529	
19	514	7160	46400	1140	715	1855	1855	0	4104	2714	6820	4	10.72	1280	0	1280	860	59	1590	2509	
20	539	6700	43870	950	443	1413	1413	0	3791	2739	6530	5	10.84	1280	0	1280	860	59	1540	2459	
21	579	6190	43550	741	262	1003	1003	0	3381	2779	6160	6	10.77	1260	0	1260	860	59	1490	2409	
22	591	5710	42280	677	320	997	724	271	2790	2120	5860	7	10.68	1250	0	1250	860	57	1280	2197	
23	598	5410	40380	555	283	838	838	0	2582	2998	5580	8	10.98	1240	0	1240	860	56	1260	2176	
24	608	5410	38920	549	306	855	327	528	2580	3020	5660	9	10.39	1220	0	1220	840	56	1250	2146	
25	616	5410	37240	551	228	779	779	0	2964	2814	5780	10	10.42	1220	0	1220	840	56	1260	2156	
26	621	5350	35400	545	236	781	781	0	3119	2821	5940	11	10.47	1220	0	1220	840	56	1290	2186	
27	634	5190	32910	540	536	1076	1076	0	2926	2834	5740	12	10.64	1220	0	1220	840	56	1290	2186	
28	640	4870	30420	547	704	1251	1171	80	2560	2760	5320	13	10.40	1070	0	1070	840	56	1260	2166	
29	688	3700	27540	479	567	1046	529	517	2480	2650	5130	14	10.28	1000	0	1000	840	52	1220	2112	
30	712	3480	24720	375	255	630	184	446	2410	2610	5220	15	10.24	1000	0	1060	840	46	1180	2066	
31	714	3750	21880	375	218	593	225	368	2180	2620	4800	16	10.20	970	0	970	830	46	1140	2026	
			18450	373	193	566	144	422	2590	2490	5080	17	10.20	930	0	930	840	46	1140	2026	
			15080	376	204	580	26	554	2650	2760	5010	18	10.48	930	0	930	820	46	1110	1996	
			12700	390	255	645	0	645	2494	2264	4710	19	10.86	910	0	910	830	40	1030	1906	
			15480	390	174	564	0	564	2087	2273	4360	20	10.90	860	0	860	770	31	502	1363	
			16070	383	193	576	0	576	783	2427	3220	21	10.87	830	0	830	1000	31	117	1148	
			17660	392	198	590	0	590	0	2450	2450	22	10.79	0	770	770	952	31	0	983	
			15080	380	188	568	0	568	0	2200	2200	23	10.64	0	750	750	910	31	0	941	
			13700	373	182	555	0	555	0	2200	2200	24	10.61	0	760	760	890	31	0	921	
			11910	365	177	542	0	542	0	2170	2170	25	10.42	0	760	760	890	31	0	921	
			10030	357	170	527	0	527	0	1960	1960	26	10.28	0	680	680	890	31	0	921	
			5910	352	157	509	0	509	0	2310	2310	27	10.20	0	680	680	890	31	0	921	
			4200	350	134	484	0	484	0	2700	2700	28	10.34	0	680	680	870	31	0	901	
			2000	339	108	447	0	447	0	2570	2570	29	10.46	0	170	170	870	8	0	878	
			— 900	323	130	453	0	453	0	1760	1760	30	10.59	0	0	0	830	0	0	830	
										1570	1570									
							228285		543215							182980				

SHEET NO. 13

CO.		TWIN FALLS CAN CO.			MILNER LOW LIFT			SNAKE R AT MILNER		
TOR.	NORM.	STOR.	NORM.	TOTAL	STOR.	NORM	TOTAL	STOR.	NORM.	TOTAL
3077	312	1266	2344	3610	168	0	168	12	0	12
2747	312	1292	2338	3630	168	0	168	12	0	12
2738	311	1294	2336	3630	167	0	167	14	0	14
2647	312	1291	2339	3630	167	0	167	15	0	15
2617	312	1266	2344	3610	168	0	168	20	0	20
2497	312	1255	2345	3600	166	0	166	14	0	14
2375	314	1245	2355	3600	162	0	162	212	0	212
2364	315	1227	2363	3590	162	0	162	216	0	216
2375	314	1207	2353	3560	165	0	165	216	0	216
2300	349	916	2614	3530	165	0	165	216	0	216
2239	350	905	2625	3530	165	0	165	214	0	214
2257	352	893	2637	3530	165	0	165	221	0	221
2333	314	1175	2365	3540	165	0	165	218	0	218
2305	314	1123	2357	3480	165	0	165	216	0	216
2262	317	1068	2372	3440	165	0	165	216	0	216
2213	316	1015	2365	3380	165	0	165	214	0	214
2153	316	1012	2368	3380	165	0	165	214	0	214
2073	316	971	2369	3340	165	0	165	212	0	212
1950	319	845	2395	3240	120	0	120	212	0	212
1877	322	663	2417	3080	120	0	120	212	0	212
1870	327	388	2452	2840	120	0	120	212	0	212
1776	400	0	2720	2720	118	0	118	214	0	214
1793	353	75	2645	2720	100	0	100	212	0	212
1756	400	0	2680	2680	101	0	101	212	0	212
1855	331	105	2485	2590	101	0	101	212	0	212
1854	332	61	2489	2550	101	0	101	212	0	212
1782	374	0	2460	2460	100	0	100	212	0	212
1712	400	0	2360	2360	100	0	100	212	0	212
1666	400	0	2250	2250	100	0	100	209	0	209
1626	400	0	2210	2210	100	0	100	201	0	201
1616	400	0	2220	2220	100	0	100	199	0	199
1596	400	0	2090	2090	100	0	100	199	0	199
1506	400	0	1960	1960	100	0	100	203	0	203
1434	446	0	1800	1800	78	0	78	207	0	207
750	613	0	1660	1660	51	0	51	199	0	199
41	1107	0	1330	1330	51	0	51	201	0	201
0	981	0	1250	1250	0	51	51	196	0	196
0	941	0	1240	1240	0	51	51	196	0	196
0	921	0	1240	1240	0	51	51	194	0	194
0	921	0	1250	1250	0	51	51	201	0	201
0	921	0	1210	1210	0	51	51	203	0	203
0	921	0	1200	1200	0	51	51	235	0	235
0	921	0	1170	1170	0	51	51	255	0	255
0	898	0	1130	1130	0	15	15	255	0	255
0	880	0	1100	1100	0	0	0	255	0	255
					21241			9328		
9681		100817								

CANAL	NO.	MAY 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	JUNE 1	2	3
SWAN VALLEY USERS	1																													
	2																													
RILEY	3																													
PROGRESSIVE IRR. DIST.	4																													
FARMERS FRIEND	5																													
ENTERPRISE	6																				0	7	11	7	0	0	8	0	4	
MATTSON-CRAIG & ARNSBERGER	7																0	182	198	130	81	31	0							
HARRISON	8																													
CHENEY	9																													
RUDY & BOOMER	10																													
KITE & NORD	11																													
BURGESS	12																													
LOWDER & JENNINGS	13																													
SUNNYDELL	14																													
LENROOT	15																													
REID	16																													
CHENEY-ROTH-WHITE (7)	17																													
RIGBY	18																													
ISLAND	19																													
DILTS	20																													
BUTTE & MARKET LAKE	21																													
OSGOOD	22																													
BEAR ISLAND	23																													
SMITH	24																													
KENNEDY	25																	0	1	1	1	1	0	0	1	1	1	1	1	0
IDAHO	26																													
MARTIN	27																													
NEW SWEEDEN IRR. DIST.	28																	0	3	3	3	3	3	3	0	0	0	0	9	9
HAYS PROJECT	29																													
KELLAR	30																													
WOODVILLE	31																													
SNAKE RIVER VALLEY	32																													
10% PENALTY ON STORED NORMAL	33																													
	34																													
TOTAL HEISE TO SHELLEY	35																	0	186	202	134	85	41	14	8	1	1	9	10	13
	36																													
RESERVATION	37																													
BLACKFOOT	38																													
NEW LAVA SIDE	39																													
PEOPLES	40																													
ABERDEEN	41																													
CORBETT	42																													
RIVERSIDE	43																													
DANSKIN	44																													
TREGO	45																													
WATSON	46																													
10% PENALTY ON STORED NORM.	47																													
	48																													
TOTAL SHELLEY TO BLACKFOOT	49																													
	50																													
MINIDOKA PROJECT	51			0	627	1184	1164	1174	1164	356	104	174	214	214	194	204	204	204	1224	829	1244	1224	1224	652	194	154	94	44	0	
MILNER LOW LIFT	52	0	153	154	160	169	169	168	168	169	169	170	169	169	170	170	170	170	170	170	156	169	168	168	168	168	166	168	168	
TWIN FALLS CANAL CO.	53			0	30	180	330	380	320	320	320	320	320	320	320	320	360	340	360	360	360	370	380	380	380	370	370	390	390	400
NORTH SIDE PROJECT	54					0	705	1711	2040	1860	0	0	110	160	160	190	200	190	190	197	100	422	1033	157	190	190	180	170	190	
GOODING PROJECT	55	1040	1030	1030	1100	1140	1140	1170	1200	1200	1200	1190	1200	1200	1200	1200	1200	1200	1200	1230	1250	1250	1250	1260	1260	1260	1260	1250	1260	
IDAHO POWER CO.	56																													
	57																													
	58																													

For storage diversions by Henrys Fork Canals see Plate No.

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	VULY 1	2	3	4	5	6	7	8	9

DAILY STORAGE DIVERSIONS

24-HOUR SECOND FEET EXCEPT AS NOTED

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
10	10	10	10	10	15	15	15	15	15	15	15	15	15	15	20	20	20
23	26	29	29	29	29	29	29	24	22	21	14	18	16	16	16	0	6
203	202	268	258	265	262	261	258	256	253	251	251	244	184	194	195	197	199
39	42	39	42	42	42	42	37	23	23	23	17	19	22	19	20	30	32
126	125	127	0	0	0	117	118	117	120	120	120	0	0	0	0	120	120
-3	0	4	6	6	8	5	5	5	2	0							
162	162	162	407	410	405	404	402	-41	-57	-57	404	404	404	404	404	404	404
56	52	49	55	54	53	50	54	52	51	48	51	50	51	0	4	4	4
			0	7	7	4	5	0						44	82	77	75
184	184	184	184	424	433	424	424	420	420	420	406	398	398	419	398	0	3
12	16	15	15	43	41	42	42	41	41	0						394	394
48	64	67	75	76	80	84	34	-11	0	-6	-17	0	11	23	45	52	74
134	146	156	132	142	115	123	103	98	76	70	52	45	50	55	74	96	92
	0	5	7	11	13	14	13	10	11	5	18	23	21	46	79	51	52
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
0	21	23	25	23	19	19	20	22	0	0	0	0	19	19	19	-65	-61
0	34	226	328	330	333	303	303	245	250	192	192	192	192	192	191	20	19
90	92	97	101	101	105	105	103	102	103	103	104	104	105	104	104	198	204
0	3	3	3	0	3	3	3	3	0	3	0	3	3	3	3	104	105
0	0	2	0	0	1	1	1	1	1	1	0	0	1	0	0	0	3
0	0	1	4	10	10	11	8	14	12	11	11	11	12	14	13	0	0
190	170	170	190	190	180	180	180	140	140	140	0					11	8
30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
439	451	473	464	464	464	477	477	485	480	455	423	406	393	389	378	347	342
					0	9	9	6	6	6	6	6	6	9	10	10	10
0	1	1	0				0	1	1	1	0						
47	81	75	90	90	96	94	93	96	0	0	0	0	80	81	81	82	82
178	203	210	214	215	229	234	224	224	229	225	225	219	222	222	219	205	200
0							0	-6	-6	-7	-2	0	0	0	0	-7	-7
9																	
999	2106	2419	2660	2963	2959	3066	2976	2378	2229	2076	2306	2173	2221	2304	2386	2381	2414
-14	-14	-14	-14	163	272	272	269	274	280	272	279	206	0				
0	0	0	0	0	0	0	369	270	271	267	252	260	259	363	356	333	0
7	84	81	82	83	29	26	27	23	20	37	32	35	0	0	0	0	0
442	442	432	438	442	455	451	442	442	442	456	-21	-21	-21	-21	389	414	416
190	1200	1200	1200	1200	1190	1140	1080	1030	1020	1020	1040	1070	1080	1080	1020	286	0
33	38	25	45	48	81	80	71	88	-15	-15	-11	-8	-80	-80	-75	-76	36
-59	-59	-59	-59	38	60	70	68	70	67	65	0	8	9	6	6	4	70
-8	-8	-8	-8	0					0	-1	-3	-3	-11	-11	-8	-8	0
591	1683	1657	1684	1974	2087	2039	2326	2199	2085	2101	1568	1547	1236	1337	1688	953	522
0																	
148	950	2950	2950	2960	2970	2970	2970	2880	2880	2890	2820	2760	2730	2750	2760	2710	2670
390	148	148	148	148	147	148	168	148	148	148	148	148	148	149	170	170	170
170	168	1235	1204	1202	1199	1211	1202	1209	1225	1253	1251	1263	1264	1234	1248	1241	1245
260	033	3114	3144	3144	3165	3195	3184	3165	3115	3104	3094	3074	3044	3054	3045	3096	3106
	460	1460	1460	1470	1490	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1490

28	29	30	31	AUG. 1	2	3	4	5	6	7	8	9	10	11	12	13	14
20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
18	23	24	24	23	28	28	28	21	19	19	18	14	8	8	8	14	14
189	148	147	127	98	104	102	101	99	101	100	79	58	31	331	331	331	329
0	0	14	14	18	37	35	35	32	33	32	32	11	0				
120	120	120	120	0	0	0	0	120	120	120	121	120	0	0	0	0	0
				0	2	2	2	2	0	0	0	6	3	2	2		
-54	-55	-55	-55	-52	-52	409	417	417	417	-49	-51	-51	-51	-51	-51	411	415
0										0	4	4	4	0	0	0	2
88	85	83	84	84	88	83	89	90	94	96	91	98	0				
3	4	4	4	4	4	0							0	4	0	4	4
39	39	39	39	35	39	39	39	39	39	39	39	39	43	39	43	35	47
2	36	29	33	24	20	19	4	4	10	10	10	10	10	10	6	10	10
74	78	68	72	76	59	53	53	51	49	42	48	40	47	40	47	44	42
72	76	72	93	100	99	85	87	83	83	112	117	89	0	0	0	0	0
38	0				0	48	56	50	52	52	44	0					
1	1	1	1	1	1	1	1	1	0								
-61	41	41	41	41	41	-45	-42	-42	-42	60	67	56	55	61	-42	-43	-41
19	0	0	0	0	19	18	19	21	20	0						0	19
204	203	200	198	194	195	196	192	188	185	183	186	185	185	185	186	186	180
105	105	105	105	103	103	103	103	103	103	102	102	103	107	110	110	110	110
3	3	3	3	3	0	3	0	0	3	3	3	0	3	0	3	3	0
0	1	1	1	1	0	0	0	0	1	0	1	0	0	0	0	1	0
9	10	11	11	13	13	14	13	12	11	12	11	13	14	14	14	14	14
0	140	140	38	105	169	236	233	300	430	500	490	284	227	233	261	282	348
30	30	30	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
371	372	373	382	380	377	377	377	356	371	371	364	364	374	375	377	391	384
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	0	
	0	1	1	0	1	1	0	0	1	0							
82	0	0	0	97	86	86	85	85	84	0	0	0	77	77	77	77	76
207	210	205	200	205	205	205	203	203	200	200	205	214	210	215	219	259	259
-13	-6	-6	-6	-6	-6	-7	-7	-7	-7	-5	-5	-5	-5	-5	-12	-7	-6
2414	1556	1694	1660	1563	1582	1665	2104	2101	2241	2390	2032	2029	1705	1375	1681	1592	2125	2215
											0	130	205	204	111	0	
0	403	410	407	402	177	193	171	170	184	200	225	216	198	183	182		
0																	
416	432	434	434	-21	-21	-21	-21	421	412	416	417	-21	-16	-16	-14	429	425
0	145	889	1060	1020	1070	1060	1060	1000	940	889	898	930	908	857	870	892	1010
36	16	40	39	19	0	0	0	0	-75	-73	-73	-69	87	139	136	147	114
70	72	69	71	64	0	0	0	0	0	60	63	61	63	8	0	0	0	0
0					0	-2	-2	-2	-2	0	-8	-8	-8	-10	-2	-2	0
522	524	662	1434	2000	1426	1454	1439	1214	1614	1500	1457	1609	1298	1414	1305	1190	1651	1731
2490	2570	2490	2510	2550	2610	2690	2700	2710	2790	2830	2810	2820	2840	2850	2840	2830	2830	2820
172	172	173	173	173	173	173	173	173	173	173	173	173	173	173	173	172	171	170
1245	1250	1250	1239	1245	1238	1236	1212	1205	1196	1211	1215	1229	1245	1243	1241	1241	1241	1263
3104	3075	3035	3015	2994	3004	3092	3176	3134	3124	3117	3116	3106	3097	3176	3236	3196	3176	3176
1490	1480	1480	1470	1460	1460	1460	1460	1460	1370	1330	1330	1320	1310	1310	1330	1320	1310	1310

15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
14	18	18	13	18	18	14	13	13	13	12	10	6	5	2	3	4
328	325	302	301	297	298	297	299	319	319	320	26	0	14	42	36	37
118	118	118	121	121	0	0	0	0	0	118	118	40	44	0	0	0
415	415	-51	-51	-51	-51	-51	-51	-51	409	407	402	407	-51	-51	-51	-51
0																
			0	-91	-91	-91	-91	0								
				0	4	4	0				0	2	2	0		
43	39	43	43	39	39	43	42	35	43	39	35	51	51	51	57	39
5	5	5	5	5	0	0	2	5	0	0	4	6	5	6	6	5
36	27	47	39	29	27	25	-18	-18	-18	55	39	31	38	19	37	37
0	0	18	0	44	40	0	11	0	14	10	0	9	0	0	36	29
					0	21	15	12	14	10	5	0				
	0	-141	-141	-141	0											
-61	51	38	51	65	54	-62	-63	-63	-63	49	45	45	48	47	73	-62
18	18	19	19	9	0						0	16	14	16	0	
173	184	182	179	176	174	174	174	172	170	164	158	140	155	99	0	
-4	-4	-4	-4	110	110	110	110	110	110	110	110	105	105	105	105	105
0	0	0	0	0	3	0	0	0	0	0	3	3	3	0		
0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
14	14	14	14	13	13	11	11	11	11	10	9	8	8	7	6	5
369	369	330	360	360	356	447	447	447	439	447	414	414	413	354	354	415
23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
385	381	378	376	368	368	373	377	373	365	365	360	345	340	340	345	340
	0	1	1	0											0	6
76	0	0	0	71	71	72	73	73	82	80	78	0	0	0	78	78
260	255	257	259	297	317	419	420	354	288	210	207	207	207	208	205	202
-7	0	-21	-21	-31	-15	-22	-24	-9	-9	0	0	-5	-5	-5	-5	-12
2205	2239	1576	1587	1731	1758	1807	1770	2246	2208	2424	2052	1435	1421	1263	1308	1255
195	193	184	186	184	183	164	147	185	176	168	167	197	0	0	202	189
						0	-60	-68	-72	6	4	4	5	0	0	0
421	421	420	-21	-16	-21	-14	421	425	425	421	421	0	-15	-16	-16	-16
1030	719	0	0	0	358	886	908	854	820	746	737	710	662	650	209	0
120	119	128	25	28	29	29	26	108	115	93	138	-46	-75	-75	-75	-76
	0	-50	-100	-100	0											
63	63	67	65	0	0	0	0	0	0	65	64	70	0	0		
	0	-5	-13	-13	-2	-1	-7	-7	-8	0	0	-7	-10	-10	-10	-10
1829	1515	744	142	83	547	1064	1455	1497	1456	1499	1531	908	567	549	310	87
2810	2830	2810	2800	2800	2720	2690	2660	2620	2400	2152	2022	2008	1948	1925	1927	1931
168	168	168	148	147	167	168	166	162	162	165	165	165	165	165	165	165
1265	1266	1266	1292	1294	1291	1266	1255	1245	1227	1207	914	905	893	1135	1123	1068
3157	3147	3077	2747	2738	2647	2617	2497	2375	2364	2375	2300	2239	2257	2333	2305	2262
1300	1310	1340	1350	1350	1340	1340	1340	1340	1340	1330	1330	1330	1330	1320	1320	1320
							0	212	216	216	216	214	221	218	216	216

SEA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	0																	
3		5	10	12	3	0	0	3	5	4	3	1	0	0	0	0		
33		14	9	0	11	15	0											
0		0	0	112	14	0	0											
-51		-51	402	402	402	-40	-44	-44	-44	-49	0							
				0	71	60	47	9	0									
35		20																
5		5	5	5	5													
39		45	45	-18	-18	-18	-18	26	52	27	6	0						
29		41	31	23	32	14	6	46	46	35	32	33	18	16	0			
54		55	51	0														
-64		-65	52	52	34	19	15	-63	-63	-69	-79	32	0	21	23	48	-79	-79
									0	27	21	12	0					
105		110	110	105	105	105	105	105	105	105	99	88	88	88	88	88	88	0
0		1	0															
11		11	12	11	9	6	0											
414		414	414	414	414	0												
23		23	23	23	23	4	4	4	4	4	4							
345		345	192	0														
6		6	6	6	6	6	6	6	6	6	0							
79		79	80	80	16	16	16	15	14	13	13	13	13	13	12			
225		225	217	-88	-180	59	108	73	89	125	124	95	20	-180	-180	-180	0	
-12		-12	0	-11	-22	-6	-6	-11	-11	-13	-8	0						
1279		1271	1659	1128	511	240	239	169	203	215	215	274	139	-42	-57	-44	9	-79
176		177	0															
7		0	13	0	8	0												
-14		425	429	421	-18	-18	-21	0	-16	-17	-17	-17	442	404	391	382	0	
-76		23	78	35	43	30	0											
-147		0	-162	-162	-147	-147	-147	-147	-147	0								
				0	-86	-86	-86	-86	0									
-14		0	-18	-18	-28	-28	-28	-26	-18	-2	-2	-2	0					
81		625	340	276	-208	-249	-282	-259	276	721	752	712	886	404	391	382	0	
183		1955	1855	1413	1003	726	838	327	779	781	1076	1171	529	164	225	144	26	0
141		145	145	120	120	120	118	100	101	101	101	100	100	100	100	100	100	
1018		1012	971	845	643	388	0	75	0	105	61	0						
2211		2153	2073	1950	1877	1870	1776	1793	1756	1855	1854	1782	1712	1666	1626	1616	1596	1506
1320		1300	1290	1280	1280	1240	1250	1240	1220	1220	1220	1220	1070	1000	1000	970	930	930
215		214	212	212	212	212	214	212	212	212	212	212	212	209	201	199	199	203

19	20	21	22	23	24	25	26	27	28	29	30	NO.	TOTAL SEC-FT.	TOTAL AC-FT.	JACKSON LAKE EQUIV. AC-FT.	JACKSON LAKE RIGHT AC-FT.	AM. FALLS RIGHT AC-FT.	OTHER RIGHTS AC-FT.	SEASONAL PURCHASES AC-FT.	TOTAL RIGHTS AC-FT.
												1	1127	2235	2409				(1) 2409	2409
												2							(2) 900	3263
												3	1354	2685	2895	1200	1163		(3) 7697	29839
												4	13614	27007	29125		22142			2000
												5	935	1855	2000	2000			(4) -9352	12148
												6	4726	9374	10008	4100	15417		(4) -19	3
												7	-10	-20	-22			(13) 22	(5) 117	23296
												8	10197	20226	21809	5000	18179		(6) 55	55
												9	26	51	55				(7) 939	5970
												10	2791	5536	5970	2000	3031		(8) 96	96
												11	45	89	95					17117
												12	8003	15874	17117	5120	11997			1040
												13	486	964	1040	1040				5694
												14	2662	5280	5694	4000	1402		(9) 292	9826
												15	4318	8565	9236	3000	6826			3002
												16	796	1579	1703		3002			77
												17	36	72	77				(9) 77	445
	0											18	-208	-413	-445			(13) 445		413
												19	-193	-383	-413			(13) 413		1547
	1											20	594	1178	1270		1547			17477
												21	8172	16210	17477		4404		(10) 13073	26775
												22	7736	15344	16594		24027	(9) 3431	(11) -683	330
												23	117	232	250		330			120
												24	42	83	90		120		(9) 1296	1451
												25	683	1355	1461	355				39588
	36											26	16177	32086	34596		39588			4800
												27	1997	3961	4271	1500	3300		(9) 354	48593
	38											28	22721	45065	48593	5000	43239		(10) 683	683
												29	319	633	683				(9) 37	37
												30	17	34	37				(11) -1600	11600
												31	4511	8948	9648		13200		(9) 257	55809
	24											32	18242	36182	39012	15000	40552		(12) -2090	0
												33	-977	-1938	-2090			(12) 2090		
												34								
	22	0										35	129931	257715	277786	51315	253486	4401	12128	323330
												36								
												37	424	840	906				(9) 906	906
	19											38	8717	17290	18642		22053			22053
												39	-118	-234	-252		714	(12) 252	(15) 535	1501
	42											40	19497	39068	42128	8000	34132		(17) 3001	45133
	103											41	60072	119151	128501	42685	74800		(9) 17649	135134
	12											42	1847	3663	3950		5868			5868
												43	-500	-992	-1070			(12) 1070	(14) -1070	0
												44	-1059	-2100	-2265			(12) 2265	(12) -2265	0
	6											45	949	1882	2029		2145		(15) 535	2680
												46	-344	-682	-736			(12) 736	(14) -736	0
												47	-944	-1872	-2019			(12) 2019	(13) -2019	0
												48								
	182											49	88741	176014	189814	50685	139712	4342	16536	213275
												50								
	0											51	2282285	4527796		325810	75285	(18) 141490	(9) 17500	540585
	28											52	21241	42131		0	50044			50044
148	16											53	100817	199967		42158	221788		(13) -45000	218946
390	124	28	51	51	0	0						54	269481	534905		145358	471818		(9) 7500	624674
170	315											55	182980	362936			400000			400000
260	136	134	750	41	0							56	8315	16493			45000			45000
		310	860	830	0							57								
		207	199	201	196	196	194	201	203	235	255	255	255	58	1031118	2045192		715326	(18) 1657433	154233	(20) 11073	2438265

PLATE NO. 14

NOTES

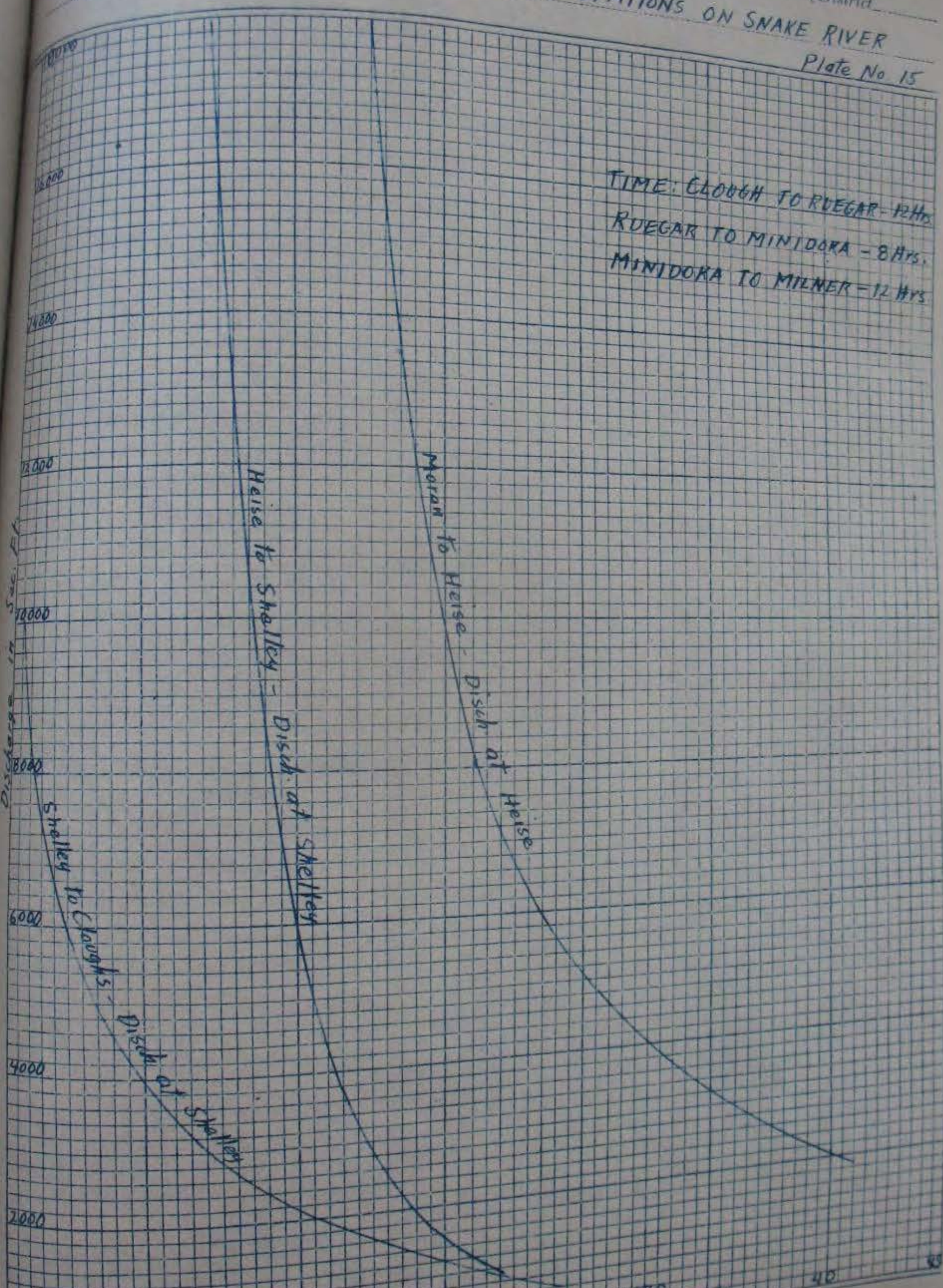
① Rented from Pool.
② From Enterprise Canal Co.
③ 7632 ac.ft. from Enterprise, 65 ac.ft from Pool.
④ 900 ac. ft. to Riley, 900 ac.ft. to Rudy, 7632 ac.ft. to Enterprise, less 80 ac.ft. rented from Pool.
⑤ 66 ac.ft. rented to Pool, & 47 ac.ft. rented from Pool.
⑥ 39 ac.ft. from Pool, 900 ac.ft. from Enterprise.
⑦ Several small diversions from River between Heise and Lorenzo
⑧ 10,000 ac. ft. from Fremont-Madison Dist., 3073 ac. ft. from Pool.
⑨ From Two Ocean Lake.
⑩ From Osgood Canal.
⑪ To Hays Project
⑫ Stored Normal Flow.
⑬ To Pool
⑭ 535 to New Lava Side, 535 to Trego.
⑮ From Riverside Canal.
⑯ To Peoples Canal.
⑰ 2265 ac.ft. from Danskin, 736 ac. ft. from Watson Slough.
⑱ 94490 ac.ft. Lake Walcott, and 47000 gain Neeley to Milner.
⑲ Exclusive of 42367 ac.ft. allotted to Henrys Fork Canals.
⑳ 10,000 ac.ft. from Fremont Madison Dist. plus 1073 ac.ft. from Market Lake springs.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

File Number | Washington District

TIME INTERVAL BETWEEN GAGING STATIONS ON SNAKE RIVER

Plate No 15



Sheet No..... of .....Sheets. Prepared by ..... Date ..... Checked by ..... Date .....

DAILY DISCHARGE IN SEC.-FT. OF HENRYS FORK CANALS FOR MAY 1940

PLATE NO. 16

FALL RIVER CANALS

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
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
HARRIGFELD	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	15	15	18	21	22	38	54	78	84	104	104	123	131	137	136	1084
TOTAL ABOVE SQUIRREL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	15	15	18	21	22	38	54	78	84	104	104	123	131	137	136	1084
FARMERS OWN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	9	12	27	39	49	51	51	55	54	61	61	476
ALMY	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	2	2	2	2	2	2	12
ENTERPRAISE	59	63	76	71	81	85	85	0	0	85	89	92	97	94	97	131	104	115	118	125	140	146	173	175	148	136	153	144	153	146	85	3266
BELL	0	0	0	0	0	0	0	0	0	0	0	6	12	12	12	12	12	12	12	12	12	12	12	10	8	10	12	9	7	7	8	209
FALL RIVER	113	113	113	120	140	150	160	160	160	160	209	220	260	278	280	295	307	320	360	417	410	410	408	410	432	420	427	400	374	365	355	8746
McBEE	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	6	9	9	9	9	9	9	9	9	144
CHESTER	12	12	12	12	12	13	13	13	21	40	50	60	70	78	80	90	99	97	96	95	96	97	99	95	90	85	80	80	79	79	79	1935
SILKEY	20	22	23	23	20	19	18	18	18	18	18	18	18	18	18	18	0	0	0	0	0	0	0	0	0	28	28	28	12	20	20	443
CURR	3	3	3	3	0	0	0	0	0	0	0	30	30	30	30	40	50	50	54	59	60	62	64	55	48	58	46	57	57	48	48	988
TOTAL SQUIRREL-CHESTER	210	216	230	232	256	270	279	194	203	306	369	429	490	513	520	589	575	597	643	718	730	742	789	793	784	799	809	784	747	737	667	16219

HENRYS FORK CANALS

DEWEY	10	10	10	10	10	10	10	10	21	21	21	20	20	19	19	19	19	19	19	19	20	20	20	20	21	21	21	21	21	22	22	545
LAST CHANCE	34	34	34	34	0	0	0	0	51	52	60	65	70	71	71	71	71	71	74	78	82	86	86	88	92	92	92	93	94	93	94	95	1958
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	0
ST. ANTHONY UNION	438	454	448	519	509	509	495	488	516	529	553	563	567	570	560	560	560	556	553	546	574	574	577	580	590	587	560	560	560	522	519	16706
FARMERS FRIEND	134	134	134	134	142	149	145	175	206	232	237	238	239	241	242	243	244	237	240	241	237	242	248	266	271	256	240	173	184	175	184	6463
TWIN GROVES	109	109	109	111	115	120	124	124	152	152	159	159	159	162	159	162	164	159	162	165	165	165	168	172	174	172	171	124	128	128	128	4530
SALEM UNION	136	149	155	166	169	172	182	200	216	216	229	233	238	235	238	238	238	238	238	238	238	238	238	238	238	226	235	229	229	229	242	6704
TOTAL ASHTON-ST.ANTHONY	861	890	890	974	945	960	956	997	1173	1202	1259	1278	1293	1298	1289	1293	1296	1283	1290	1291	1320	1325	1339	1368	1386	1354	1320	1201	1215	1170	1190	36906
EGIN	263	263	287	291	291	291	279	291	352	365	386	378	394	378	382	386	378	378	378	382	386	378	384	396	378	348	323	315	315	323	354	10681
ST.ANTHONY UNION FEEDER	70	69	82	84	86	88	85	82	104	110	114	118	120	116	130	127	119	111	107	122	116	117	125	125	125	122	120	92	89	83	79	3237
INDEPENDENT	266	257	275	284	279	284	271	297	329	329	338	380	390	390	385	376	390	386	380	361	366	366	390	385	395	402	390	352	338	334	348	10713
CONSOLIDATED FARMERS	162	162	163	163	164	165	170	175	178	200	240	270	298	300	300	302	300	300	300	300	280	260	250	240	240	240	240	240	238	230	224	7294
TOTAL ST.ANTHONY-REXBURG	761	751	807	822	820	828	805	845	963	1004	1078	1146	1202	1184	1197	1191	1187	1175	1165	1165	1148	1121	1149	1136	1138	1112	1073	999	980	970	1003	31925

TETON RIVER CANALS

SIDDOWAY	0	0	0	0	0	0	0	0	0	0	9	10	12	12	13	12	12	12	12	10	7	7	7	8	8	8	9	9	9	9	11	206
WILFORD	60	61	62	62	70	75	80	85	100	120	132	140	145	150	153	160	160	167	170	170	170	170	170	170	170	170	170	173	174	176	174	4209
TETON IRRIGATION	0	0	0	0	0	0	0	0	0	0	0	0	0	53	66	68	65	58	71	75	75	76	82	82	82	82	76	66	73	70	78	1298
GOOD LUCK	0	0	0	1	1	1	1	1	1	1	1	1	1	40	40	40	40	40	40	40	40	36	36	36	35	34	33	33	32	32	32	673
PIONEER	1	1	1	1	1	2	2	2	2	5	7	7	15	20	23	20	18	15	16	18	18	18	18	19	19	20	20	20	20	20	27	396
STEWART	5	5	6	7	7	7	6	6	6	7	7	7	7	40	40	39	38	37	36	35	35	34	34	37	40	40	40	27	27	27	27	716
PINCOCK-BYINGTON	9	9	9	9	8	8	8	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	256
PINCOCK-GARNER	0	0	2	2	2	5	5	5	6	8	9	9	8	8	8	8	7	7	7	7	30	30	30	30	30	30	33	26	26	26	27	431
TETON ISLAND FEEDER	171	176	184	191	191	220	250	281	313	345	376	396	416	437	413	403	394	385	372	360	346	346	346	346	532	584	566	538	532	545	548	11503
NORTH SALEM	1	1	1	1	1	1	1	1	9	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	24	31	31	31	31	31	31	474
ROXANA	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	18	18	17	16	15	14	14	14	14	14	13	13	12	17	12	12	263
ISLAND WARD	0	0	15	30	28	25	25	50	69	75	80	85	89	90	94	90	90	90	90	80	80	74	70	70	70	60	60	52	50	42	40	1083
WOODMANSEE-JOHNSON	0	0	0	0	0	0	0	20	30	41	38	38	47	41	42	42	41	42	42	42	42	42	42	42	42	42	44	47	44	44	44	937
CITY OF REXBURG	3	3	3	29	31	33	36	39	46	50	56	56	56	56	51	57	57	54	53	52	56	56	54	49	42	44	49	49	48	49	50	1373
REXBURG IRRIGATION	91	91	91	91	91	91	91	91	91	100	130	150	172	172	172	171	170	173	176	179	180	183	190	195	200	210	220	219	230	232	240	4893
McCORMICK-ROWE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	48
SAURY-SOMMERS	17	17	18	8	18	17	14	6	6	15	17	19	21	21	22	21	14	14	12	12	11	11	11	10	10	10	9	8	10	12	12	425
TOTAL	360	368	394	434	451	487	521	576	670	783	892	945	1007	1173	1169	1177	1155	1138	1141	1123	1132	1125	1132	1136	1330	1359	1384	1321	1339	1339	1385	29984

DAILY DISCHARGE IN SEC.-FT. OF HENRYS FORK CANALS FOR JUNE 1940

PLATE NO. 17

FALL RIVER CANALS

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
YELLOWSTONE	0	0	0	0	0	0	0	0	0	4	8	4	6	6	6	6	7	7	7	8	9	8	10	10	10	10	10	12	16	16	180
HARRIGFELD	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	139	144	141	149	132	112	116	116	114	113	113	112	113	123	136	141	153	164	170	177	181	190	187	192	190	186	184	182	185	176	4531
TOTAL ABOVE SQUIRREL	139	144	141	149	132	112	116	116	114	117	121	116	119	129	142	147	160	171	177	185	190	198	197	202	200	196	194	194	201	192	4711
FARMERS OWN	63	63	63	59	59	32	43	30	20	20	23	24	34	41	47	47	51	56	73	84	86	41	80	66	85	85	84	84	79	72	1744
ALMY	3	3	3	3	2	0	0	0	0	0	0	0	0	0	3	3	3	3	3	3	3	3	3	0	0	0	0	0	0	0	41
ENTERPRISE	147	147	145	146	139	144	144	144	142	144	142	147	144	137	151	146	148	151	148	147	147	154	120	124	121	125	121	127	127	125	4194
BELL	7	6	4	4	4	4	4	4	4	4	4	10	10	3	4	5	6	6	6	4	3	3	3	4	3	1	2	5	5	5	137
FALL RIVER	447	420	393	392	391	300	234	240	260	269	280	292	330	367	380	400	428	440	452	440	422	440	460	388	290	195	180	168	214	204	10116
McBEE	9	9	9	9	9	9	9	8	5	4	4	4	6	8	7	6	5	6	6	5	4	4	4	4	5	6	5	4	4	4	181
CHESTER	79	78	78	65	55	50	46	40	10	8	8	8	8	64	70	80	81	78	74	65	58	58	40	1	1	1	1	1	1	1	1208
SILKEY	20	10	5	5	31	31	6	6	6	0	0	0	0	16	15	14	13	15	10	14	11	19	27	0	0	16	15	13	13	12	351
CURR	48	48	48	30	13	13	13	12	11	10	10	55	52	50	54	59	49	59	49	49	49	49	49	44	44	45	44	42	42	40	1190
TOTAL SQUIRREL-CHESTER	823	784	748	713	703	583	499	484	458	459	471	540	584	686	731	760	784	814	829	811	783	821	786	631	549	474	452	444	485	463	19152

HENRYS FORK CANALS

DEWEY	21	21	21	22	22	22	22	22	22	22	20	19	18	17	18	18	19	18	18	17	16	16	16	16	0	0	23	23	20	12	541
LAST CHANCE	95	94	94	61	87	82	76	74	72	71	69	67	72	86	85	85	83	81	80	79	78	32	78	44	42	40	36	32	34	36	2045
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	249	227	215	215	215	1121
ST. ANTHONY UNION	321	529	475	434	431	380	330	340	312	285	291	340	395	392	463	494	514	511	531	514	497	504	514	517	524	514	511	502	507	507	13585
FARMERS FRIEND	132	116	100	140	104	37	66	104	95	86	96	151	150	162	149	166	172	169	190	178	161	37	38	38	40	42	38	35	36	33	3051
TWIN GROVES	130	130	130	130	130	106	106	106	100	94	96	125	124	125	127	126	125	127	127	138	138	138	138	138	138	138	138	134	133	133	3768
SALEM UNION	237	230	198	195	128	72	115	110	103	96	131	134	144	172	213	220	226	226	226	226	190	176	188	200	200	188	178	176	182	176	5256
TOTAL ASHTON-ST. ANTHONY	1136	1120	1018	982	902	699	715	756	704	654	704	836	903	954	1055	1109	1139	1132	1162	1152	1080	903	972	953	944	1171	1151	1122	1127	1112	29367
EGIN	325	309	277	194	126	136	204	204	193	247	259	271	286	321	321	317	301	297	334	342	363	338	342	338	334	329	334	338	309	299	8588
ST. ANTHONY UNION FEEDER	79	81	52	41	30	30	30	25	20	17	38	46	92	86	82	82	77	59	40	30	17	44	46	83	82	82	58	54	50	50	1603
INDEPENDENT	332	345	279	251	262	142	142	147	163	192	279	284	325	348	325	325	311	275	297	315	191	154	180	275	329	262	275	279	284	257	7825
CONSOLIDATED FARMERS	220	220	217	210	206	208	200	190	140	134	133	132	0	0	0	200	198	205	214	209	198	200	200	200	200	206	180	155	156	159	5090
TOTAL ST. ANTHONY-REXBURG	956	955	825	696	624	516	576	566	516	590	709	733	703	755	728	924	887	836	885	896	769	736	768	896	945	879	847	826	799	765	23106

TETON RIVER CANALS

SIDDOWAY	13	12	10	9	8	6	6	6	6	7	7	8	8	8	8	10	14	16	16	15	14	14	14	14	14	12	9	11	11	10	316
WILFORD	171	172	174	175	100	49	60	86	84	93	126	136	146	148	150	152	152	153	164	174	165	158	150	100	81	75	66	57	52	69	3429
TETON IRRIGATION	60	73	78	66	77	71	71	62	68	73	63	71	82	85	90	91	91	85	91	90	95	86	106	94	84	86	86	86	93	94	2448
GOOD LUCK	32	31	30	29	30	32	31	30	29	29	28	28	28	32	35	34	33	32	32	33	32	32	30	21	11	11	11	9	9	11	795
PIONEER	21	30	40	30	20	6	6	6	6	6	6	6	32	32	31	25	22	19	27	34	30	8	8	0	0	10	10	13	12	12	508
STEWART	27	27	25	24	24	24	24	25	25	6	6	20	20	26	26	27	27	27	27	26	25	24	22	21	10	24	10	12	11	11	633
PINCOCK-BYINGTON	9	8	8	8	8	8	8	8	8	7	7	6	4	4	4	4	4	4	7	7	7	6	6	6	6	7	7	7	7	7	197
PINCOCK-GARNER	27	27	27	26	26	27	27	26	25	25	24	24	23	24	24	24	24	23	24	25	25	24	24	24	10	23	10	11	11	10	674
TETON ISLAND FEEDER	591	500	516	532	352	346	349	352	343	334	325	339	340	337	334	419	394	370	376	376	406	394	364	334	304	352	322	324	304	287	11174
NORTH SALEM	25	9	9	10	12	10	10	10	10	9	9	9	26	26	26	25	25	24	23	24	26	26	26	26	26	26	26	26	26	26	591
ROXANA	11	10	8	6	6	6	7	8	8	5	2	2	1	1	8	10	10	10	10	10	13	13	13	12	8	8	6	19	16	15	262
ISLAND WARD	68	65	60	57	30	3	5	8	7	7	6	6	5	5	78	78	76	74	70	60	70	70	65	60	58	46	46	44	44	48	1327
WOODMANSEE-JOHNSON	45	44	43	43	39	47	46	44	44	43	43	42	40	38	36	42	41	39	40	41	37	34	28	21	29	29	26	27	25	21	1117
CITY OF REXBURG	48	48	48	48	50	46	45	44	44	44	42	42	41	38	40	42	44	43	43	40	43	43	39	38	29	0	27	32	29	28	1188
REXBURG IRRIGATION	252	235	256	258	240	219	187	185	188	192	190	185	179	200	220	216	212	210	210	200	190	190	169	185	201	0	0	201	209	201	5800
McCORMICK-HOWE	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	5	6	8	9	9	9	9	9	9	9	6	3	3	3	3	149
SHUNY-SOMMERS	10	14	16	22	24	27	19	11	15	13	11	9	10	7	8	9	10	10	9	11	9	11	10	8	5	7	6	8	7	6	342
TOTAL	1373	1328	1351	1296	1049	936	904	914	913	886	898	936	988	1014	1151	1113	1165	1157	1178	1103	1142	1132	1083	973	865	724	671	688	671	861	31149

PLATE NO. 18

DAILY DISCHARGE IN SEC.-FT. OF HENRYS FORK CANALS FOR JULY 1940

FALL RIVER CANALS

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
YELLOWSTONE	17	18	18	16	18	17	16	16	16	15	14	15	15	14	10	16	16	15	14	16	16	17	17	17	18	17	15	15	14	14	14	486
HARRIGFELD	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	169	156	139	123	121	126	126	126	128	129	134	139	149	138	125	129	126	137	143	142	145	144	144	141	142	143	138	133	119	117	116	4187
TOTAL ABOVE SQUIRREL	186	174	157	139	139	143	142	142	144	144	148	154	164	152	135	145	142	152	157	158	161	161	161	158	160	160	153	148	133	131	130	4673
FARMERS OWN	72	78	78	70	64	58	54	52	54	54	60	60	58	64	68	68	68	68	60	56	62	62	62	62	58	54	47	44	41	34	35	1830
RLMY	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
ENTERPRISE	130	132	130	130	132	132	131	133	131	131	129	127	125	120	104	114	118	120	143	142	140	139	138	137	138	141	141	139	138	139	139	4083
BELL	3	7	7	7	7	6	6	6	6	6	6	6	3	6	0	0	0	0	6	6	6	6	6	6	6	7	8	0	0	0	0	139
FALL RIVER	177	173	173	168	173	179	177	175	175	175	173	175	164	160	166	162	160	157	164	168	166	160	175	173	175	16	16	14	48	106	104	4547
MCBEE	4	4	5	5	5	3	3	2	0	0	0	0	1	0	2	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	32
CHESTER	1	1	1	1	1	1	1	1	9	9	11	12	12	16	12	13	14	13	19	19	19	19	19	19	20	20	26	27	32	18	18	404
SILKEY	12	17	16	15	15	10	10	9	9	4	23	5	4	0	0	0	0	0	5	4	4	8	8	7	8	8	8	0	0	0	0	218
CURR	38	41	41	41	41	28	28	29	29	32	39	37	38	21	40	49	34	32	32	32	32	32	32	32	32	36	29	29	29	29	29	1043
TOTAL SQUIRREL-CHESTER	437	453	451	437	438	417	410	407	413	416	422	440	406	391	392	409	394	390	424	429	429	422	440	437	436	292	275	261	288	331	325	12302

HENRYS FORK CANALS

DEWEY	11	11	11	11	11	11	11	11	10	10	10	10	10	10	10	10	10	10	12	12	13	13	12	12	12	13	13	12	12	14	14	352
LAST CHANCE	40	35	36	36	35	35	34	33	36	36	48	46	46	46	30	62	61	61	61	60	59	59	58	58	58	57	57	56	56	56	54	1505
CROSS CUT	215	192	180	173	167	168	166	167	165	185	179	177	181	186	257	335	346	369	268	184	242	353	375	377	381	393	257	278	256	255	255	7682
ST. ANTHONY UNION	446	436	410	410	404	395	397	386	377	402	458	466	465	463	466	463	449	449	444	417	417	412	453	453	449	453	454	451	441	390	390	13366
FARMERS FRIEND	31	26	24	24	20	19	19	18	40	31	88	107	102	98	108	99	87	93	89	80	67	46	43	52	69	71	55	55	56	56	24	1797
TWIN GROVES	90	82	80	80	70	60	58	58	63	110	102	100	90	90	90	90	0	110	110	108	106	106	108	112	108	108	104	102	80	68	61	2704
SALEM UNION	92	103	92	94	96	94	94	94	154	145	183	174	171	176	194	184	184	180	176	172	154	170	168	158	156	159	156	154	151	139	142	4559
TOTAL ASHTON-ST. ANTHONY	925	885	833	828	803	782	779	767	845	919	1068	1080	1065	1069	1155	1243	1137	1174	1160	1033	1058	1159	1217	1222	1233	1254	1096	1108	1052	978	940	31965
EGIN	295	157	178	181	196	239	275	283	279	287	307	315	319	340	287	275	279	245	277	289	285	277	289	309	309	323	350	293	293	305	301	8637
ST. ANTHONY UNION FEEDER	56	63	28	32	31	31	44	59	64	63	64	71	78	66	97	86	82	81	71	76	71	66	71	71	77	82	92	84	84	83	83	2107
INDEPENDENT	144	163	158	154	182	199	257	263	249	245	306	318	318	318	311	290	257	236	245	240	255	284	295	238	230	205	140	127	114	114	114	6969
CONSOLIDATED FARMERS	156	106	106	103	103	106	106	175	172	171	166	166	165	209	220	190	224	225	211	209	183	182	180	178	178	180	180	186	189	166	160	5251
TOTAL ST. ANTHONY - REXBURG	651	489	470	470	512	575	682	780	764	766	843	870	880	933	915	841	842	787	804	814	794	809	835	796	794	790	762	690	680	664	658	22964

TETON RIVER CANALS

SIDDOWAY	11	14	14	8	8	8	8	4	6	5	5	6	6	5	9	15	13	11	9	0	0	12	12	12	12	12	11	14	11	11	8	280
WILFORD	69	0	65	63	62	62	62	62	60	59	87	64	68	81	87	83	83	85	81	65	66	85	87	85	85	83	87	91	100	85	85	2287
TETON IRRIGATION	88	99	96	96	97	98	99	103	32	57	95	91	89	97	92	96	97	98	96	91	92	96	94	94	96	98	94	96	91	102	95	2855
GOOD LUCK	9	13	12	11	8	7	9	7	6	11	12	13	14	20	16	19	16	12	11	12	11	12	11	15	13	15	15	16	14	12	13	385
PIONEER	13	14	1	1	1	12	12	13	12	13	12	12	12	13	12	13	13	12	9	11	7	10	11	8	10	10	10	11	10	11	12	321
STEWART	12	14	13	12	12	12	12	12	12	12	11	11	10	16	15	19	20	21	13	12	11	11	7	20	12	16	14	13	14	14	12	415
PINCOCK-BYINGTON	7	10	10	9	8	8	8	7	7	7	7	1	1	7	7	7	11	11	8	12	14	17	17	17	17	17	13	14	12	12	12	315
PINCOCK-GARNER	9	10	10	9	9	9	9	9	9	8	8	8	8	8	8	8	11	11	10	9	9	9	9	9	9	9	11	12	13	12	12	294
TETON ISLAND FEEDER	307	397	379	319	313	301	290	284	281	266	252	240	213	191	196	207	246	240	171	178	174	238	250	238	243	243	260	307	301	295	295	8115
NORTH SALEM	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
ROXANA	15	20	29	30	30	30	28	23	19	2	0	3	3	3	3	2	2	3	8	8	6	6	6	6	5	4	3	5	6	12	7	327
ISLAND WARD	52	0	0	0	0	0	4	5	16	28	27	23	22	21	18	18	18	21	23	23	22	23	24	25	22	22	23	24	24	21	16	565
WOODMANSEE-JOHNSON	25	27	27	25	24	24	24	19	23	24	16	7	7	25	16	21	18	5	4	2	3	19	20	5	5	5	5	6	6	4	8	449
CITY OF REXBURG	30	28	20	18	20	23	19	22	29	27	24	23	29	29	28	26	25	26	25	27	27	25	24	26	27	28	24	27	27	27	27	787
REXBURG IRRIGATION	228	0	170	156	154	149	154	151	156	151	116	133	126	146	141	176	155	165	144	131	131	143	145	148	149	151	152	154	148	141	134	4498
MCCORMICK-ROWE	6	4	3	2	2	3	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2	78
SAURY-SOMMERS	6	12	11	11	10	9	9	9	8	12	13	21	12	12	12	12	12	16	17	15	15	15	15	12	12	12	13	13	12	12	11	381
TOTAL	1881	662	860	770	758	755	749	732	678	684	687	658	622	676	662	725	742	739	631	598	590	724	735	723	720	723	718	806	741	723	649	23352

PLATE NO. 19

DAILY DISCHARGE IN SEC.-FT. OF HENRYS FORK CANALS FOR AUGUST 1940

FALL RIVER CANALS

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
YELLOWSTONE	14	14	14	14	13	9	10	9	9	9	7	7	10	11	14	13	13	13	13	13	10	10	7	0	0	0	2	2	2	0	0	262
HARRIGFELD	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	115	112	111	105	100	100	94	103	103	90	84	83	83	80	79	77	74	73	73	73	63	55	55	48	40	40	40	36	34	29	29	2286
TOTAL ABOVE SQUIRREL	129	126	125	119	113	109	104	112	112	99	91	90	93	91	93	90	87	86	86	86	73	65	62	48	40	40	42	38	36	29	29	2548
FARMERS OWN	35	32	32	32	32	30	30	30	30	30	30	30	30	32	34	34	29	29	29	30	26	26	23	20	18	19	15	12	12	12	12	814
ALMY	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
ENTERPRISE	136	136	136	138	138	135	136	136	134	134	133	133	131	131	130	130	130	130	130	131	131	128	125	123	114	114	114	114	112	113	112	3968
BELL	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
FALL RIVER	106	72	74	74	38	37	37	37	37	37	102	102	102	54	48	48	30	24	24	86	76	65	37	33	30	24	48	45	45	70	35	1677
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	18	18	18	18	16	7	7	7	9	8	8	8	8	8	8	8	7	7	5	6	5	6	6	5	5	5	4	4	4	3	3	249
SILKEY	4	6	6	6	3	0	0	0	3	3	3	3	5	4	0	0	0	0	3	3	3	8	6	6	4	4	4	3	3	3	3	99
CURR	25	25	25	25	25	25	27	27	27	27	27	27	27	27	27	27	27	27	26	26	26	26	26	26	26	26	27	27	27	27	27	816
TOTAL SQUIRREL-CHESTER	324	289	291	293	252	234	237	237	240	239	303	303	303	256	247	247	223	216	217	282	267	259	223	213	197	191	212	205	203	228	192	7623

HENRYS FORK CANALS

DEWEY	12	13	13	13	13	12	11	11	11	11	11	11	11	11	11	7	7	7	7	7	7	6	7	8	8	7	8	8	9	8	8	293
LAST CHANCE	52	47	48	46	45	44	44	44	44	48	48	48	48	47	46	45	44	0	44	44	42	41	41	40	39	39	44	44	44	31	46	1327
CROSS CUT	252	262	267	219	226	203	158	207	212	223	172	169	189	192	182	173	220	207	211	183	165	125	82	83	78	73	19	0	0	0	0	4752
ST. ANTHONY UNION	379	379	375	410	410	417	424	419	414	419	420	419	414	409	407	382	381	369	357	376	392	393	393	397	393	351	351	348	348	348	348	12042
FARMERS FRIEND	28	28	28	28	28	24	27	21	25	26	39	39	43	43	26	17	16	16	16	21	23	18	14	19	20	27	28	23	21	18	15	765
TWIN GROVES	75	75	77	77	83	23	23	24	25	27	26	26	52	53	53	50	25	26	26	26	26	26	26	26	26	25	25	28	28	29	28	1165
SALEM UNION	140	143	143	143	143	143	145	142	142	142	142	142	131	131	102	103	103	104	104	125	124	127	130	120	103	103	103	103	102	100	99	3827
TOTAL ASHTON-ST. ANTHONY	938	947	951	936	948	866	832	868	873	896	858	854	888	886	827	777	796	729	765	782	779	736	693	693	667	625	578	554	551	534	544	24171
EGIN	303	303	307	305	299	323	319	287	231	247	251	247	247	271	212	174	227	247	251	283	239	208	200	212	208	210	200	200	200	196	235	7642
ST. ANTHONY UNION FEEDER	85	90	90	90	90	98	96	95	91	91	91	91	96	96	96	96	92	91	85	91	91	97	97	97	85	79	66	68	98	92	110	2821
INDEPENDENT	131	137	137	158	158	158	161	166	163	159	163	163	165	165	158	161	144	144	146	142	108	110	105	109	105	109	110	110	110	109	151	4315
CONSOLIDATED FARMERS	153	147	147	149	150	150	134	154	153	153	152	153	153	153	152	154	154	152	150	150	136	130	130	129	129	127	127	129	129	127	126	4452
TOTAL ST. ANTHONY - REXBURG	672	677	681	702	697	729	730	702	638	650	657	654	661	685	618	585	617	634	632	666	574	545	532	547	527	525	503	507	537	524	622	19230

TETON RIVER CANALS

SIDDOWAY	8	10	8	6	5	8	5	5	6	6	6	6	6	6	6	6	7	7	5	6	6	5	4	5	5	4	4	0	0	0	0	161
WILFORD	79	79	77	77	79	81	74	78	79	79	77	77	79	77	79	73	71	74	73	56	54	53	51	48	52	55	49	49	54	54	54	2094
TETON IRRIGATION	91	93	93	91	89	85	82	81	80	90	86	88	84	86	82	82	76	76	78	75	70	70	67	76	76	70	70	64	66	66	62	2445
GOOD LUCK	13	12	12	12	11	12	15	13	13	14	14	12	12	11	11	13	12	13	13	4	6	5	7	7	7	4	4	6	6	5	7	306
PIONEER	10	10	10	12	12	16	11	12	8	8	8	11	10	9	8	8	14	10	10	6	10	10	2	2	2	2	12	10	9	9	10	281
STEWART	11	12	12	14	14	14	12	12	12	10	9	8	6	13	13	14	12	10	10	10	9	6	5	5	5	5	6	5	6	7	7	294
PINCOCK-BYINGTON	11	11	11	10	10	10	10	9	9	10	10	10	11	11	10	9	8	7	7	7	7	7	6	7	6	3	3	7	7	4	4	257
PINCOCK-GARNER	12	13	12	13	11	7	6	6	6	6	6	6	6	7	7	6	7	7	7	7	7	7	6	7	6	3	3	7	7	4	4	219
TETON ISLAND FEEDER	281	281	281	269	275	263	229	213	206	207	207	196	191	186	186	191	199	186	188	191	229	215	218	186	218	224	215	188	174	145	124	6562
NORTH SALEM	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
ROXANA	19	17	14	11	11	11	11	13	9	8	7	7	7	7	7	7	6	4	4	4	3	2	2	2	2	2	2	2	2	2	2	198
ISLAND WARD	16	13	11	0	0	0	0	0	12	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	11	10	0	0	0	96
WOODMANSEE-JOHNSON	8	8	8	4	6	7	3	13	14	15	15	9	15	2	4	4	7	19	7	17	11	17	12	12	2	2	2	0	0	0	0	243
CITY OF REXBURG	29	26	26	25	24	26	29	28	30	28	29	28	28	28	27	27	28	27	28	28	28	25	24	25	23	25	22	23	22	24	29	814
REXBURG IRRIGATION	136	120	124	126	129	138	118	124	141	131	118	114	118	118	123	126	142	122	126	141	162	166	126	137	132	138	112	88	87	103	107	3873
MCCORMICK-ROWE	3	3	3	3	3	3	2	3	3	3	2	2	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	0	0	3	3	85
SAURY-SOMMERS	11	11	10	8	6	10	10	8	9	9	9	9	10	9	9	9	9	9	9	8	8	8	7	6	4	4	0	0	0	0		228
TOTAL																																

DAILY DISCHARGE IN SEC.-FT. OF HENRYS FORK CANALS FOR SEPT. 1940

PLATE NO. 20

FALL RIVER CANALS

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
YELLOWSTONE	0	0	0	0	0	0	0	0	0	0	0	0	7	7	7	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6	114
HARRIGFELD	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	34	45	37	35	34	30	28	28	22	23	20	26	26	28	26	25	23	24	24	22	20	20	20	20	20	20	20	20	20	20	760
TOTAL ABOVE SQUIRREL	34	45	37	35	34	30	28	28	22	23	20	26	33	35	33	32	30	31	30	28	26	26	26	26	26	26	26	26	26	26	874
FARMERS OWN	12	12	12	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	10	10	10	10	10	10	10	10	10	325
ALMY	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
ENTERRRISE	99	99	103	103	103	103	94	96	98	99	85	72	70	69	66	63	67	70	74	74	33	33	33	33	33	33	33	33	33	33	2037
BELL	0	0	0	2	0	0	0	0	0	0	0	0	0	2	2	2	2	2	5	5	4	4	3	3	3	2	2	2	2	2	49
FALL RIVER	70	70	37	40	43	30	26	20	16	14	14	204	209	214	210	207	204	206	209	210	210	215	220	220	223	220	200	200	200	200	4361
McBEE	0	0	0	1	0	0	0	0	0	0	0	0	0	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	24
CHESTER	3	3	5	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	4	4	4	4	4	4	4	4	4	4	4	77
SILKEY	3	4	4	4	4	4	4	4	4	4	4	0	0	4	4	3	3	3	3	3	3	3	4	5	5	5	5	4	3	3	106
CURR	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	25	25	25	25	25	25	25	25	25	25	790
TOTAL SQUIRREL-CHESTER	214	215	188	193	189	176	163	159	157	156	142	315	318	332	324	316	316	321	334	335	291	295	300	301	304	300	280	279	278	278	7769

HENRYS FORK CANALS

DEWEY	8	8	0	6	6	7	8	8	8	8	8	8	8	8	8	1	1	2	3	3	3	3	3	3	3	3	3	3	3	4	148
LAST CHANCE	46	46	46	45	44	44	44	44	27	27	27	16	16	16	17	17	18	17	16	16	16	16	16	16	15	15	15	15	15	15	743
CROSS CUT	0	0	0	0	12	89	95	88	88	79	75	25	0	0	0	0	0	0	0	0	42	0	0	0	65	0	0	62	0	0	720
ST. ANTHONY UNION	348	348	341	338	335	325	316	310	290	269	268	268	263	258	256	258	252	272	293	280	260	240	204	200	190	150	140	130	120	98	7606
FARMERS FRIEND	23	23	23	23	14	14	14	14	14	10	11	12	12	12	14	16	18	15	13	13	15	15	22	22	22	22	22	22	22	22	514
TWIN GROVES	25	25	25	20	13	13	13	14	14	15	13	14	14	13	13	63	63	63	65	67	67	67	67	68	70	70	70	72	72	72	1260
SALEM UNION	73	73	78	78	78	74	70	70	70	70	68	66	65	64	64	64	112	96	81	81	46	46	46	46	46	46	46	46	46	46	1955
TOTAL ASHTON-ST. ANTHONY	523	523	513	510	502	566	560	548	501	477	470	409	378	371	372	416	464	465	471	460	449	387	358	355	411	306	296	350	278	257	12946
EGIN	235	235	200	200	200	194	189	181	176	171	180	189	180	171	165	160	153	162	171	170	160	100	67	70	80	88	88	88	88	88	4599
ST. ANTHONY UNION FEEDER	110	110	110	110	110	107	104	100	96	92	92	92	92	92	94	96	98	98	98	98	98	17	17	17	17	42	42	42	42	42	2375
INDEPENDENT	147	147	154	133	112	116	121	120	120	118	116	115	115	115	115	0	0	0	0	0	72	72	72	72	74	74	74	77	77	77	2605
CONSOLIDATED FARMERS	126	126	127	127	127	20	20	24	24	24	24	0	76	76	76	131	124	124	124	124	124	120	119	118	118	118	117	117	117	116	2808
TOTAL ST. ANTHONY-REXBURG	618	618	591	570	549	437	434	425	416	405	412	396	463	454	450	387	375	384	393	392	454	309	275	277	289	322	321	324	324	323	12387

TETON RIVER CANALS

SIDDOWAY	5	5	5	4	6	7	6	6	0	0	0	0	0	0	0	0	0	5	5	5	5	5	6	6	6	6	6	6	6	6	117
WILFORD	52	51	51	51	56	60	55	48	43	45	47	46	45	48	52	55	56	56	64	72	68	60	52	47	48	48	48	48	48	49	1569
TETON IRRIGATION	68	74	74	73	73	73	70	68	65	68	71	68	67	67	65	65	66	68	65	54	51	48	46	43	42	42	42	42	42	41	1801
GOOD LUCK	8	7	7	7	7	10	9	8	7	7	7	7	7	7	8	8	8	9	9	9	9	9	1	1	1	1	1	1	1	1	182
PIONEER	9	8	8	9	9	10	10	9	8	8	8	8	8	8	8	9	8	6	6	6	6	6	0	0	0	0	0	0	0	0	125
STEWART	7	7	7	7	7	7	6	5	4	4	4	6	7	7	7	7	6	4	4	4	4	3	3	2	2	2	2	2	2	2	141
PINCOCK-BYINGTON	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	5	5	6	6	5	5	5	4	4	4	4	4	4	149
PINCOCK-GARNER	6	9	10	12	10	9	7	5	4	4	4	4	3	5	7	9	8	6	8	9	9	9	9	9	9	9	9	9	9	9	229
TETON ISLAND FEEDER	122	120	124	128	146	164	177	190	204	224	243	216	188	183	178	174	165	157	180	202	190	180	170	160	140	130	110	100	90	82	4837
NORTH SALEM	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
ROXANA	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	27
ISLAND WARD	0	0	0	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	5	5	5	5	5	5	5	5	64
WOODMANSEE-JOHNSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	18	18	18	19	19	19	19	19	19	19	19	19	19	19	282
CITY OF REXBURG	29	27	27	28	28	28	29	23	24	29	28	28	29	28	26	25	21	18	20	18	17	16	15	14	14	14	14	14	14	14	659
REXBURG IRRIGATION	106	105	109	114	125	136	135	125	115	110	104	97	86	83	80	77	78	78	78	78	70	65	60	52	52	52	53	53	53	53	2582
McCORMICK-ROWE	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	90
SAURY-SOMMERS	0	0	0	0	0	0	0	0	3	3	4	4	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	71
TOTAL	422	423	432	455	489	514	514	497	485	510	529	492	451	447	443	460	446	436	468	490	462	433	398	370	349	334	320	310	300	292	12975

DATE	HENRYS LAKE CONTENTS AC.-FT.	HENRYS FORK NEAR LAKE STOR	NORM	TOTAL	STORED LOSS LAKE TO ISL. PARK	STORAGE DIVERSIONS ABOVE ISL. PARK	STORAGE INFLOW TO ISL. PARK RESERVOIR
MAY 2		0			0		0
3	62 123	-48	52	4	-2		-46
4		-48			-2		-46
5		-48			-2		-46
6		-48			-2		-46
7		-48			-2		-46
8		-48			-2		-46
9		-48			-2		-46
10		-48			-2		-46
11		-48			-2		-46
12		-48			-2		-46
13		-48			-2		-46
14		-48			-1		-46
15	62 730	-48			-2		-47
16		-48			-2		-46
17		-48			-2		-46
18		-48			-2		-46
19		-48			-2		-46
20		-48			-2		-46
21		-48			-2		-46
22		-48			-2		-46
23		-48			-2		-46
24	63459	-48			-2		-46
25		-48			-2		-46
26		-48			-2		-46
27		-48			-1		-47
28		-48			-2		-46
29		-48			-2		-46
30		-48			-2		-46
31	64553	-48	54	6	-2		-46
JUN. 1		-48			-2		-46
2		-48			-2		-46
3		-48			-2		-46
4		-48			-2		-46
5		-48			-2		-46
6		-48			-2		-46
7		-48			-2		-46
8		-48			-1		-47
9		-48			-2		-46
10		-48			-2		-46
11		-48			-2		-46
12		-48			-2		-46
13		-48			-2		-46
14		-48			-2		-46
15		-48			-2		-46
16		-48			-2		-46
17		-48			-2		-46
18		-48			-2		-46
19		-48			-2		-46
20		-48			-2		-46
21		-48			-1		-47

DATE	ISL. PARK RESERVOIR CONTENTS AC. FT.
MAY 3	134 835
4	134 375
5	134 935
6	134 315
7	134 235
8	134 675
9	134 075
10	134 075
11	133 990
12	134 315
13	134 640
14	134 800
15	135 045
16	135 205
17	135 205
18	135 205
19	135 045
20	135 045
21	134 720
22	134 555
23	134 395
24	134 315
25	134 235
26	134 155
27	133 990
28	133 910
29	133 830
30	133 670
31	133 590
JUN. 1	133 430
2	133 270
3	133 270
4	133 270
5	133 270
6	133 350
7	133 350
8	133 830
9	133 590
10	133 590
11	133 430
12	133 190
13	133 110
14	132 950
15	132 790
16	132 630
17	132 470
18	132 390
19	132 150
20	132 070
21	131 990
22	131 910

HENRYS FORK NR. ISL. PARK STOR.	NORM.	TOTAL	STORED LOSS ISL. PARK TO ASHTON
-46	822	776	-1
-46	778	732	-1
-46	764	718	-1
-46	754	708	-1
-46	729	683	-1
-46	720	674	-1
-46	725	679	-1
-46	734	688	-1
-46	778	732	-1
-46	832	786	-2
-46	876	830	-1
-47	897	850	-1
-46	896	850	-1
-46	881	835	-1
-46	871	825	-1
-46	857	811	-1
-46	812	766	-1
-46	798	752	-1
-46	788	742	-1
-46	768	722	-2
-46	749	703	-1
-46	729	683	-1
-46	720	674	-1
-46	705	659	-1
-47	692	645	-1
-46	681	635	-1
-46	672	626	-1
-46	657	611	-1
-46	612	566	-1
-46	601	555	-2
-46	610	564	-1
-46	620	574	-1
-46	629	583	-1
-46	638	592	-1
-46	643	597	-1
-46	725	679	-1
-47	682	635	-1
-46	667	621	-1
-46	643	597	-1
-46	629	583	-2
-46	610	564	-1
-46	596	550	-1
-46	577	531	-1
-46	558	512	-1
-46	540	494	-1
-46	521	475	-1
-46	502	456	-1
-46	493	447	-1
-46	480	434	-2
354	191	545	9

DATE
MAY 4
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JUN. 1
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HENRYS FORK NEAR ASHTON STOR.	NORM.	TOTAL	GRASSY LAKE STORAGE RELEASE [b]	STORAGE DIVERTED ASHTON TO ST. ANTHONY [a]
-45	2345	2300	-35	
-45	2225	2180	-27	
-45	2105	2060	-9	
-45	2085	2040	-45	
-45	2085	2040	-39	
-45	2105	2060	-39	
-45	2165	2120	-45	
-45	2185	2140	-65	
-45	2245	2200	-77	
-44	2224	2180	-86	
-45	2165	2120	-168	
-46	2126	2080	-121	
-45	2105	2060	-112	
-45	2025	1980	-126	
-45	1965	1920	-129	
-45	1905	1860	-106	
-45	1855	1810	-111	
-45	1815	1770	-133	
-45	1775	1730	-122	
-44	1744	1700	-112	
-45	1705	1660	-139	
-45	1725	1680	-139	
-45	1695	1650	-163	
-45	1625	1580	-150	
-46	1626	1580	-157	
-45	1565	1520	-195	
-45	1605	1560	-152	
-45	1445	1400	-152	
-45	1515	1470	-154	
-44	1524	1480	-63	
-45	1625	1580	-190	
-45	1565	1520	-190	
-45	1605	1560	-190	
-45	1485	1440	-150	
-45	1745	1700	-150	
-45	1775	1730	-169	
-46	1606	1560	-127	
-45	1515	1470	-98	
-45	1465	1420	-73	
-44	1424	1380	0	
-45	1325	1280	0	
-45	1345	1300	0	
-45	1285	1240	0	
-45	1245	1200	0	
-45	1255	1210	0	
-45	1235	1190	0	
-45	1205	1160	0	
-45	1175	1130	0	0
-44	1174	1130	0	388
345	925	1270	0	

[a] Includes Fall River diversions.
[b] Listed here one day later than at dam.

HENRYS FORK AT ST. ANTHONY			STORAGE DIVERSIONS ST. ANTHONY TO REXBURG	DATE	STORAGE AT HENRYS FK. NEAR REXBURG
STOR.	NORM.	TOTAL			
-35	3315	3280		MAY 5	-35
-72	3252	3180		6	-72
-54	2994	2940		7	-54
-90	2490	2400		8	-90
-84	2404	2320		9	-84
-84	2624	2540		10	-84
-90	2740	2650		11	-90
-110	2980	2870		12	-110
-122	3182	3060		13	-122
-131	3411	3280		14	-131
-152	3412	3260		15	-152
-166	3276	3110		16	-166
-158	3218	3060		17	-158
-171	3231	3060		18	-171
-174	2994	2820		19	-174
-151	2801	2650		20	-151
-156	2606	2450		21	-156
-178	2788	2610		22	-178
-167	2817	2650		23	-167
-157	2737	2580		24	-157
-183	2903	2720		25	-183
-184	3124	2940		26	-184
-208	3438	3230		27	-208
-195	3675	3480		28	-195
-202	3732	3530		29	-202
-191	3571	3380		30	-191
-197	3557	3360		31	-197
-197	3697	3500		JUN. 1	-197
-199	3579	3380		2	-199
-108	3588	3480		3	-108
-234	3034	2800		4	-234
-235	2795	2560		5	-235
-235	3105	2870		6	-235
-195	3525	3330		7	-195
-195	3085	2890		8	-195
-195	3395	3200		9	-195
-214	3274	3060		10	-214
-173	2553	2380		11	-173
-143	2143	2000		12	-143
-118	2098	1980		13	-118
-44	2494	2450		14	-44
-45	2795	2750		15	-45
-45	2515	2470		16	-45
-45	2105	2060		17	-45
-45	1705	1660		18	-45
-45	1345	1300		19	-45
-45	1125	1080		20	-45
-45	996	951		21	-45
-45	812	767	0	22	-44
-44	583	539	50	23	-162
-43	597	554	119	24	

HENRYS FORK - DAILY

24 HOUR SECOND-FE

DATE	HENRYS LAKE CONTENTS AC.-FT.	HENRYS FORK NEAR LAKE			STORED LOSS LAKE TO ISL. PARK	STORAGE DIVERSIONS ABOVE ISL. PARK	STORAGE INFLOW TO ISL. PARK RESERVOIR	DATE	ISL. PARK RESERVOIR CONTENTS AC.-FT.	HENRYS NR. ISL.	
		STOR.	NORM.	TOTAL						STOR.	NOR
JUN. 22		-48			-2		-46	JUN 23	131115	312	4
23	47852	-48			-2		-46	24	130405	511	4
24		-48			-2		-46	25	129300	743	3
25		-48			-2		-46	26	127735	587	4
26	47852	-48	55	7	-2		-46	27	126485	579	4
27		-48			-2		-46	28	125245	577	4
28		-48			-2		-46	29	124010	645	
29		-48			-2		-46	30	122640	630	
30		-48			-2	0	-46	JUL. 1	121270	297	
JUL. 1		-48	55	7	-1	4	-51	2	120590	443	
2	47852	0	15	15	0	4	-4	3	119610	788	
3		0	15	15	0	4	-4	4	118040	707	
4		0	15	15	0	4	-4	5	116430	518	
5		0	15	15	0	4	-4	6	115595	659	
6		0	15	15	0	4	-4	7	114280	698	
7		0	15	15	0	4	-4	8	112890	694	
8		0	15	15	0	4	-4	9	111665	699	
9		0	15	15	0	4	-4	10	110370	929	
10		0	15	15	0	4	-4	11	108520	851	
11	47357	7	10	17	0	4	3	12	106825	989	
12	47357	10	10	20	0	4	6	13	104870	916	
13	47233	187	10	197	8	4	175	14	103075	1205	
14		316	10	326	13	4	299	15	101030	1181	
15		314	10	324	13	4	297	16	99280	1305	
16		314	10	324	13	4	297	17	97280	1592	
17		313	10	323	12	4	297	18	94715	1342	
18	63581	313	10	323	12	4	297	19	92645	1486	
19	63095	320	10	330	13	4	303	20	90290	1223	
20	62366	326	10	336	13	4	309	21	88465	1153	
21	61637	328	8	336	13	4	311	22	86790	1113	
22	60786	328	8	336	13	4	311	23	85200	1072	
23	60190	328	8	336	13	4	311	24	83690	1123	
24	59474	328	8	336	13	4	311	25	82080	1085	
25	58758	328	8	336	13	4	311	26	80545	984	
26	58043	326	8	334	13	4	309	27	79210	1148	
27	57327	324	8	332	13	4	307	28	77545	1159	
28	56850	322	8	330	13	4	305	29	75855	1255	
29	56253	320	8	328	13	4	303	30	73970	1016	
30	55418	335	8	343	13	4	318	31	72555	963	
31	54941	357	8	365	14	4	339	AUG. 1	71275	1027	
AUG. 1	54120	363	8	371	15	5	343	2	69910	996	
2	53418	361	8	369	14	5	342	3	68615	985	
3	52598	359	8	367	14	5	340	4	67340	1019	
4	52247	355	8	363	14	5	336	5	65850	881	
5	51077	353	8	361	14	5	334	6	64770	989	
6	50023	349	8	357	14	5	330	7	63470	877	
7	49321	347	8	355	14	5	328	8	62385	983	
8	48624	345	8	353	14	5	326	9	61085	923	
9	47824	341	8	349	14	5	322	10	59900	930	
10	47136	339	8	347	14	5	320	11	58695	917	
11	46448	339	8	345	13	5	319	12	57510	967	

SEGREGATION OF FLOW 1940

ET EXCEPT AS NOTED

	FORK PARK		STORED LOSS ISL. PARK TO ASHTON	DATE	HENRYS FORK NEAR ASHTON			GRASSY LAKE STORAGE RELEASE	STORAGE DIVERTED ASHTON TO ST. ANTHONY	HENRYS FORK AT ST. ANTHONY			STORAGE DIVERTED ST. ANTHONY TO REXBURG	DATE	STORAGE HENRYS FK. NEAR REXBURG
	P.M.	TOTAL			STOR.	NORM	TOTAL			STOR.	NORM	TOTAL			
	20	732	8	JUN. 24	304	1276	1580	0	359	-55	822	767	84	JUN. 25	-139
	47	978	13	25	498	1132	1630	0	531	-33	849	816	182	26	-215
	27	1070	18	26	725	1025	1750	0	529	196	660	856	364	27	-168
	33	1020	15	27	572	1148	1720	0	513	59	797	856	368	28	-309
	31	1010	14	28	565	1115	1680	0	526	39	787	826	412	29	-373
	53	1030	14	29	563	1157	1720	0	529	34	812	846	436	30	-402
	85	1030	16	30	629	1091	1720	0	594	35	811	846	410	JUL. 1	-375
	90	1020	16	JUL. 1	614	1156	1770	0	697	-83	1055	972	443	2	-526
	23	1020	7	2	290	1540	1830	0	700	-410	1600	1190	361	3	-771
	67	1010	11	3	432	1338	1770	0	654	-222	1402	1180	378	4	-600
	22	1010	20	4	768	962	1730	0	614	154	976	1130	312	5	-158
	03	1010	18	5	689	1041	1730	0	598	91	1059	1150	331	6	-240
	92	1010	13	6	505	1215	1720	0	584	-79	1209	1130	339	7	-418
	51	1010	16	7	643	1037	1680	0	573	70	1040	1110	391	8	-321
	02	1000	17	8	681	1049	1730	0	573	108	962	1070	444	9	-336
	86	1000	15	9	599	1081	1680	0	669	-70	1080	1010	433	10	-503
	51	1000	16	10	633	1027	1660	0	699	-66	963	897	465	11	-531
	61	1190	23	11	904	1034	1940	0	801	105	889	994	412	12	-307
	99	1250	21	12	830	1130	1960	0	787	43	997	1040	442	13	-399
	61	1350	25	13	964	1136	2100	0	851	113	917	1030	444	14	-331
	94	1410	23	14	893	1247	2140	0	810	83	927	1010	508	15	-425
	25	1630	30	15	1175	1225	2400	0	920	255	965	1220	549	16	-294
	59	1740	29	16	1152	1268	2420	0	1026	126	1084	1210	573	17	-447
	25	1730	33	17	1272	1128	2400	0	870	402	878	1280	578	18	-176
	58	1850	40	18	1552	1038	2590	0	1014	538	822	1360	527	19	11
	58	1900	33	19	1309	1281	2590	29	952	386	1094	1480	556	20	-170
	94	1880	37	20	1449	1141	2590	86	843	692	988	1680	561	21	131
	87	1710	30	21	1193	1107	2300	141	866	468	952	1420	545	22	-77
	97	1550	29	22	1124	1056	2180	85	959	250	900	1150	566	23	-316
JUN.	47	1460	28	23	1085	1095	2180	113	975	223	827	1050	588	24	-365
	88	1460	27	24	1045	1135	2180	99	973	171	849	1020	550	25	-379
	37	1460	28	25	1095	1065	2160	110	1100	105	945	1050	539	26	-434
	75	1460	27	26	1058	1122	2180	109	1226	-59	1169	1110	530	27	-587
	76	1460	24	27	960	1220	2180	109	1051	18	1222	1240	493	28	-475
	92	1540	29	28	1119	1201	2320	122	1060	181	1259	1440	430	29	-249
	91	1450	29	29	1130	1210	2340	107	1031	206	1374	1580	420	30	-214
	85	1640	31	30	1224	1116	2340	105	1046	283	1297	1580	406	31	-123
	74	1590	25	31	991	1229	2220	105	998	98	1412	1510	391	AUG. 1	-293
	27	1390	24	AUG. 1	939	1121	2060	105	927	67	1243	1310	403	2	-336
	73	1400	26	2	1001	1059	2060	117	945	173	1127	1300	400	3	-227
	04	1400	25	3	971	1089	2060	101	955	117	1193	1310	402	4	-285
	15	1400	25	4	960	1100	2060	101	927	134	1176	1310	412	5	-278
	89	1380	27	5	1064	996	2060	101	894	271	1039	1310	407	6	-136
	99	1380	22	6	859	1201	2060	114	780	193	1227	1420	431	7	-238
	81	1370	25	7	964	1096	2060	100	753	311	1199	1510	434	8	-123
	83	1360	22	8	855	1205	2060	109	796	168	1312	1440	332	9	-144
	77	1360	24	9	959	1101	2060	97	798	258	1172	1430	357	10	-99
	37	1360	23	10	900	1160	2060	109	805	204	1226	1430	359	11	-155
	30	1360	23	11	907	1153	2060	103	828	182	1238	1420	366	12	-184
	43	1360	23	12	894	1166	2060	99	825	168	1252	1420	363	13	-195
	93	1360	24	13	943	1117	2060	104	869	178	1182	1360	365	14	-187

DATE	HENRYS LAKE CONTENTS AC.-FT.	HEN NEA
		STOR.
AUG. 12	45645	335
13	45187	337
14	43926	331
15	43353	330
16	42453	328
17	41893	326
18	41108	324
19	40548	322
20	39763	318
21	39451	318
22	38642	255
23	37969	216
24	37523	206
25	37414	204
26	36866	203
27		102
28		43
29	36318	36
30		40
31		40
SEP. 1		40
2		40
3		40
4		40
5		40
6		102
7		0
8		0
9		0
10		
11	35551	
12	35661	
13		
14	35770	
15		
16		
17		
18		
19		
20		
21		
22		
23		
24	36428	
25		
26		
27		
28		
TOTALS		11925

DA	HENRYS FORK NEAR LAKE NORM	HENRYS FORK NEAR LAKE TOTAL	STORED LOSS LAKE TO ISL. PARK	STORAGE DIVERSIONS ABOVE ISL. PARK	STORAGE INFLOW TO ISL. PARK RESERVOIR	DATE	ISL. PARK RESERVOIR CONTENTS AC.-FT.	HENRYS FORK NR. ISL. PARK STOR	HENRYS FORK NR. ISL. PARK NORM	HENRYS FORK NR. ISL. PARK TOTAL	STORED LOSS ISL. PARK TO ASHTON	DATE	HENRYS FORK NEAR ASHTON STOR.	HENRYS FORK NEAR ASHTON NORM	HENRYS FORK NEAR ASHTON TOTAL	GRASSY LAKE STORAGE RELEASE	STO DI AS 7 ST.A
MAR	8	343	13	5	317	AUG.13	56225	932	428	1360	23	AUG.14	909	1151	2060	98	
	8	341	13	5	315	14	55005	938	422	1360	23	15	915	1165	2080	104	
	8	339	13	5	313	15	53770	921	439	1360	23	16	898	1142	2040	102	
	8	338	13	4	313	16	52565	273	827	1100	7	17	266	1344	1610	105	
	8	336	13	4	311	17	52445	493	-37	456	12	18	481	999	1480	94	
	8	334	13	4	309	18	52285	919	431	1350	23	19	896	714	1610	94	
	8	332	13	4	307	19	51075	962	388	1350	24	20	938	1102	2040	110	
	8	330	13	4	305	20	49775	943	397	1340	23	21	920	1200	2120	101	
	8	326	13	4	301	21	48510	848	462	1330	22	22	846	1214	2060	95	
	8	263	10	4	301	22	47385	873	447	1320	22	23	851	1209	2060	95	
	8	224	9	4	241	23	46250	833	487	1320	21	24	812	1228	2040	88	
	8	214	8	4	203	24	45075	780	450	1230	19	25	741	1219	1980	96	
	8	212	8	4	194	25	43930	741	469	1210	18	26	723	1237	1960	106	
	8	211	8	4	192	26	42845	739	471	1210	18	27	721	1239	1960	100	
	8	110	4	4	191	27	41760	799	411	1210	20	28	779	1161	1940	77	
	8	51	2	4	94	28	40555	762	448	1210	19	29	743	1157	1900	91	
	8	44	1	4	37	29	39230	750	450	1200	19	30	731	1169	1900	0	
	8	48	2	4	31	30	37815	707	483	1190	18	31	689	1231	1920	-5	
	8	48	2	4	34	31	36475	737	453	1190	18	SEP. 1	719	1201	1920	-5	
	8	48	2	0	34	SEP. 1	35080	710	480	1190	18	2	692	1228	1920	-5	
	8	48	2		38	2	33740	691	499	1190	17	3	674	1246	1920	-5	
	8	48	1		38	3	32445	663	517	1180	16	4	647	1293	1940	-10	
	8	48	2		39	4	31205	687	493	1180	17	5	670	1250	1920	-5	
	8	48	2		38	5	29920	666	504	1170	17	6	649	1231	1880	-10	
	8	110	4		38	6	28675	681	489	1170	17	7	664	1196	1860	-10	
	8	8	0		98	7	27400	718	452	1170	18	8	700	1140	1840	-14	
	8	8			0	8	26170	668	492	1160	17	9	651	1189	1840	-5	
	8	8				9	24845	630	530	1160	16	10	614	1246	1860	-5	
JUN.						10	23595	552	538	1090	14	11	538	1212	1750	-10	
						11	22500	562	498	1060	14	12	548	1172	1720	-10	
						12	21385	393	585	978	10	13	383	1227	1610	-5	
						13	20605	340	538	878	8	14	332	1218	1550	-5	
						14	19930	343	518	861	9	15	334	1146	1480	-5	
						15	19250	333	528	861	8	16	325	1155	1480	-10	
						16	18590	333	528	861	8	17	325	1155	1480	-10	
						17	17930	318	543	861	8	18	310	1190	1500	-5	
						18	17300	48	578	626	1	19	47	1193	1240	-5	
						19	17205	-20	518	498	0	20	-20	1300	1280	162	
						20	17245	25	473	498	1	21	24	1176	1200	162	
						21	17195	28	475	503	1	22	27	1173	1200	162	
						22	17140	25	473	498	0	23	25	1115	1140	162	
						23	17090	33	451	484	1	24	32	1098	1130	162	
						24	17025	40	430	470	1	25	39	1091	1130	162	
						25	16945	25	445	470	0	26	25	1105	1130	162	
						26	16895	20	441	461	0	27	20	1070	1090	162	
						27	16855	-45	497	452	-1	28	-44	1234	1190	162	
						28	16945	-15	467	452	0	29	-15	1175	1160	162	
						29	16975	-38	490	452	-1	30	-37	1307	1270	162	
			477	262	11,186			69094			1723		67321			1326	

PLATE NO. 21

DAT	HRYS FORK BAR LAKE		STOR LOS LAKE ISL. P	ORAGE VERTED HTON O NTHONY	HENRYS FORK AT ST. ANTHONY			STORAGE DIVERTED ST. ANTHONY TO REXBURG	DATE	STORAGE HENRYS FK NEAR REXBURG
	ST. NORM.	TOTAL		NTHONY	STOR.	NORM.	TOTAL			
	8	343		805	202	1168	1370	389	AUG. 15	-187
MAY	8	341		752	267	1133	1400	322	16	-55
	8	339		701	299	1131	1430	315	17	-14
	8	338		688	-317	1577	1260	325	18	-642
	8	336		626	-51	1101	1050	343	19	-394
	8	334		674	316	764	1080	347	20	-31
	8	332		749	299	1041	1340	375	21	-76
	8	330		703	318	1122	1440	283	22	35
	8	326		612	329	1161	1490	240	23	89
	8	326		541	405	1175	1580	235	24	170
	8	263		511	389	1221	1610	238	25	151
	8	224		454	403	1157	1560	234	26	169
	8	214		448	381	1229	1610	249	27	132
	8	212		426	395	1245	1640	248	28	147
	8	211		393	463	1177	1640	239	29	224
	8	110		420	414	1216	1630	239	30	175
	8	51		424	307	1273	1580	236	31	71
	8	44		396	288	1232	1520	312	SEP. 1	-24
	8	48		392	322	1198	1520	308	2	14
	8	48		404	283	1227	1510	308	3	-25
	8	48		367	302	1258	1560	281	4	21
	8	48		362	275	1335	1610	260	5	15
	8	48		369	296	1334	1630	239	6	57
	8	48		427	212	1328	1540	136	7	76
	8	48		415	239	1271	1510	141	8	98
	8	110		376	310	1210	1520	144	9	166
	8	8		366	280	1240	1520	144	10	136
	8	8		364	245	1365	1610	142	11	103
	8	8		315	213	1327	1540	140	12	73
				244	294	1146	1440	115	13	179
JUN.				223	155	1185	1340	115	14	40
				222	105	1185	1290	115	15	-10
				143	186	1004	1190	115	16	71
				136	179	951	1130	0	17	179
				141	174	936	1110		18	174
				141	164	956	1120		19	164
				0	.42	968	1010		20	42
					142	938	1080		21	142
					186	914	1100		22	186
					189	971	1160		23	189
					187	913	1100		24	187
					194	876	1070		25	194
					201	782	983		26	201
					187	883	1070		27	187
					182	868	1050		28	182
					118	1032	1150		29	118
					147	1063	1210		30	147
					125	1165	1290		Oct. 1	125
								29833		-18507
			47371	11326						

DAILY STORAGE DIVE

NAME OF CANAL	NO.	JUNE 21	22	23	24	25	26	27	28	29	30	JULY 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
USERS ABOVE ISLAND PARK RES.	1										0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
HARRIGFELD	2																										
BOOM CREEK CANAL	3																										
SQUIRREL CREEK CANAL	4			11	11	11	8	8	7	7	8	10	10	9	7	7	6	6	5	5	6	4	3	2	2	2	6
CONANT CREEK CANAL	5			10	10	10	10	10	10	9	8	6	12	10	9	9	6	6	6	0							
YELLOWSTONE	6			31	31	31	31	29	30	30	29	29	37	32	30	30	27	26	26	26	25	24	23	21	20	19	19
MARYSVILLE	7				8	7	8	8	9	15	16	17	18	18	16	18	17	16	16	16	15	14	15	15	14	10	16
FARMERS OWN	8			75	32	190	184	184	182	185	176	169	156	139	123	121	123	122	125	125	127	128	136	138	120	122	129
ENTERPRISE	9			61	61	79	79	79	83	75	72	72	78	78	70	64	58	54	52	54	54	60	60	58	64	68	68
BELL	10			120	124	121	125	121	127	127	125	130	132	136	130	132	132	131	133	131	131	129	60	125	108	101	104
FALL RIVER CANAL (2)	11																										
Mc BEE	12																										
CHESTER	13																										
SILKEY	14																										
CURR	15																										
CROSS CUT (3)	16																								1	0	2	3
DEWEY	17															1	1	1	1	9	9	11	12	12	14	12	13
LAST CHANCE	18																										
ST. ANTHONY UNION	19																									68	130
FARMERS FRIEND	20			42	44	42	40	36	32	34	36	40	35	36	36	35	35	24	33	36	36	48	46	46	46	30	62
TWIN GROVES	21																					0	51	60	46	84	73
SALEM UNION	22			38	38	40	42	38	35	36	33	31	26	24	24	20	19	19	18	40	31	88	107	102	98	108	99
	23										80	90	82	80	80	70	60	58	58	63	110	102	100	90	90	90	90
	24											92	103	87	89	91	89	89	89	154	145	183	174	171	176	194	184
TOTAL ASHTON TO ST. ANTHONY	25																										
	26			388	359	531	529	513	526	529	594	697	700	654	614	598	584	573	573	669	699	801	787	851	810	920	1026
	27																										
	28																										
EGIN	29																							15	19	40	0	75
INDEPENDENT	30						262	275	279	284	257	144	163	158	154	182	199	257	263	249	245	306	318	318	318	311	290
CONSOLIDATED FARMERS	31											26	26	26	23	23	26	26	95	92	91	84	84	85	129	220	190
ISLAND WARD	32	(from rising water)				40	40	40	40	40	45	48	0	0	0	0	0	0	0	0	28	20	23	22	21	18	18
TETON BASIN USERS (12)	33		50	119	84	50	35	26	56	81	79	125	141	129	110	102	92	87	64	64	58	62	54	52	75	65	72
CANYON CREEK CANAL	34					27	27	27	27	26	25	24	24	23	23	22	22	21	20	19	18	0	0	0	0	0	13
SIDDOWAY	35																									0	15
WILFORD	36																									0	15
TETON IRRIGATION	37																										
GOOD LUCK	38																									0	9
PIONEER	39								2	1	1	2	3	0	0	0	0	0	2	0	2	0	0	0	0	0	2
STEWART	40								3	2	2	2	3	2	2	2	0	0	0	2	2	0			0	0	7
EAMES-THOMPSON	41																										
GARDNER	42																								0	10	1
PINCOCK-BYINGTON	43																								0	21	46
TETON ISLAND FEEDER	44																								0	14	21
WOODMANSEE-JOHNSON	45								5	2	1	3	1	0					0	2	0	0	0	2	2	1	0
CITY OF REXBURG	46																										
REXBURG IRRIGATION	47					45	0	0	0	0	0	69	0	40	0				0	5	21	0				0	24
ROXANA	48																										
	49																										
TOTAL ST. ANTHONY TO REXBURG	50	(13) 50		119	84	182	364	368	412	436	410	443	361	378	312	331	339	391	444	433	465	412	442	444	508	549	573
	51																										
	52																										

...NS BY CANALS ON HENRYS FORK AND TRIBUTARIES - I

24-HOUR SECOND FEET EXCEPT AS NOTED

NAM	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AUG 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
USERS																																	
HARRI	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	8	4	4	4	4
BOOM	8	7	9	10	8	8	8	8	4	6	9	10	8	7	5	3	1	2	2	2	2	2	2	3	0								
SQUIR	23	22	18	22	18	18	17	17	17	16	20	20	20	19	17	4	4	4	17	17	16	4	4	4	4	6	6	6	5	4	7	7	7
CONAN	14	15	14	14	14	17	17	17	18	17	15	15	14	14	14	14	14	14	14	13	9	10	9	9	9	7	7	10	11	14	13	13	13
YELLOW	126	137	143	142	145	144	144	141	142	143	138	133	119	117	116	115	112	111	105	100	100	99	103	103	90	84	83	83	80	79	27	24	23
MARY	48	48	60	56	62	62	62	62	58	54	47	44	41	39	35	35	32	32	32	32	30	30	30	30	30	30	30	30	32	34	34	29	29
FARM	115	117	139	138	136	132	131	130	138	141	141	139	138	139	139	136	136	136	138	138	135	136	136	134	134	133	133	131	131	130	130	130	130
ENTEL			6	6	6	6	6	6	6	7																							
BELL	0	0	0	1					108	221	50	54	94	153	151	176	192	150	95	59	58	58	113	113	113	135	135	156	106	88	82	84	78
FALL R	14	13	19	19	19	19	19	19	18	19	25	25	30	17	17	17	17	17	17	17	6	6	6	8	6	6	7	6	6	7	7	7	7
Mc BEE				5	4	4	8	8	7	8	8	8	0	0	0	4	4	4	6	3	0	0	0	3	3	3	3	5	4	0	0	0	0
CHEST	158	181	100	0	58	160	180	180	185	188	2	1	2	1	2																		
SILKEY	10	10	8	8	8	8	8	8	8	13	211	232	210	208	208	182	192	191	198	205	182	137	131	136	147	139	136	137	140	142	142	138	140
CURR	41	41	41	40	39	39	38	38	38	37	13	13	12	12	13	13	0	0	0	13	13	12	11	11	11	11	11	11	0	11	7	7	7
CROSS	0										37	37	36	36	36	34	32	47	48	46	45	44	44	44	44	48	48	48	48	47	46	45	44	0
DEWEY	87	93	89	80	67	46	43	52	69	71	55	55	56	56	24	28	28	28	28	28	24	27	21	26	26	39	39	43	43	26	17	16	16
LAST C	0	110	110	108	106	106	108	112	108	108	104	102	80	68	61	75	75	77	77	83	23	23	24	25	27	26	26	52	53	63	30	25	26
ST. ANT	184	180	176	172	154	170	166	155	154	157	156	154	151	139	142	136	139	139	139	139	139	139	142	142	142	142	142	142	131	131	102	100	100	100
FARME																																	
TWIN	870	1014	952	843	846	959	975	973	1100	1226	1051	1040	1031	1042	998	977	945	955	927	894	780	753	796	798	805	828	825	869	805	752	701	688	686
SALEM																																	
TOTAL	79	45	77	89	85	77	89	109	109	123	150	93	93	105	101	103	103	107	105	99	123	119	0	31	47	51	47	47	71	12	0	27	47
EGIN	257	236	245	240	255	284	295	238	230	205	140	127	114	114	114	131	137	137	158	158	158	161	166	163	159	163	163	165	165	158	161	164	164
INDEPE	224	225	211	209	183	182	180	178	178	180	180	186	189	166	160	153	147	147	149	150	150	154	154	153	153	152	153	153	153	152	154	154	152
CONSOLI	18	21	23	23	22	23	24	25	22	22	23	24	24	21	16	16	13	11	0	0	0	0	12	10	0								
ISLAND	76	74	73	68	63	59	61	59	59	56	55	55	42	43	43	40	39	39	38	40	40	39	36	33	33	33	32	32	32	31	31	31	31
TETON	12	12	12	12	12	11	11	11	10	10	10	10	10	10	10	9	9	9	9	9	0												
CANYON	13	11	9	0	0	12	12	12	12	12	11	14	11	11	8	8	10	8	6	5	8	5	5	6	6	6	6	6	6	6	7	7	
SIDDOW	15	17	13	0	0	17	19	17	17	15	19	23	32	17	17	11	11	9	9	11	13	6	10	11	11	9	9	11	9	18	12	10	13
WILFORD																																	
TETON	6	2	0	0	0	1	0	5	3	5	5	6	4	2	3	3	2	2	2	2	1	2	5	3	3	4	4	2	2	1	2	4	3
GOOD L	2	1	0				0	11	3	7	5	4	5	5	3	2	3	3	5	5	5	3	3	3	1	0	0	0	4	4	7	0	
PIONEE	8	10	2	0														0	1	1	5	0	1	0									
STEWAR	2	2	1	0	0	2	1	2	1	2	1	2	1	2	2	1	1	1	2	1	2	1	1	2	1	1	1	1	1	1	1	1	1
EAMES-T	2	2	1	0	0	0	5	3	8	8	7	7	2	3	2	2	3	10	3	3	3	8	0										
GARDNE	1	0	3	0	0	0																											
PINCOCK							5	3	8	8	7	7	2	3	2	2	3	10	3	3	3	8	0										
TETON	36	36	64	0	0	64	92	94	113	107	151	148	128	140	145	136	144	137	155	156	144	94	86	78	95	86	93	88	99	85	123	91	88
WOODMAN	18	5	4	0	0	19	20	5	5	5	5	6	6	4	8	7	8	8	4	5	5	3	11	12	12	12	7	11	2	2	2	3	13
CITY OF	25	35	14	0	0	13	15	18	19	21	22	24	18	11	0																		
REXBURG																																	
ROXANA	578	527	556	561	545	566	588	550	539	530	493	430	420	406	391	403	400	402	412	407	431	434	332	357	359	366	363	365	389	322	315	325	343
TOTAL 57																																	

RS/1940

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	SEP 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
4		4	4	4	4	4	4	4	4	4	4	4	4	4	0																	
8																																
23	2	6	6	7	7	7	7	6	6	6	5	5	8	8	8	8	8															
14	1	13	13	10	10	7	0	0	0	2	2	2	0	0				7	7	8	8	7	7	7	7	0	7	7	7	7	7	7
126	13	73	73	43	55	55	48	40	40	40	36	34	29	29	34	45	37	35	34	30	28	28	22	23	20	26	26	28	26	25	23	2
68	6	29	30	26	26	23	20	18	18	15	12	12	12	12	12	12	12	12	11	11	11	11	11	11	0							
115	11	130	131	131	102	102	100	80	80	80	80	112	113	110	87	87	92	92	103	103	94	94	94	99	85	72	70	69	66	63	67	7
		78	103	89	72	46	47	44	38	48	45	45	70	35	70	70	37	40	43	30	39	33	29	17								
0																																
14	1	5	6	5	6	6	5	5	5	4	4	4	3	3	3	3	5															
		3	3	3	8	6	6	4	4	4	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	0						
158	18	44	141	147	108	71	65	61	56	19	0	0	0	0	0	0	0	0	12	89	82	75	75	76	75	25						
10	1	7	7	7	6	7	8	8	7	8	8	8	8	8	8	8	0	6	6	7	8	5	5	5	5	5	5	5	5	0		
61	6	44	44	42	41	41	40	39	39	44	44	44	31	46	46	46	46	45	44	44	44	27	27	27	27	16	16	16	17	17	18	1
0																																
87	9	16	21	23	18	14	19	20	27	28	23	21	18	15	23	23	23	23	14	14	14	14	14	14	10	11	12	12	12	14	16	18
0	11	26	24	26	24	26	26	26	25	25	28	28	29	28	25	25	25	20	13	13	13	8	8	15	13	14	14	13				
184	18	100	125	124	127	130	120	103	103	103	103	102	100	99	73	73	78	78	28	28	74	70	70	70	70	68	66	65	64			
870	106	74	749	703	612	541	511	454	448	426	393	420	424	396	392	404	367	362	369	427	415	376	366	364	315	244	223	222	143	136	141	14
79	4	51	83	39	0	0	0	0	0	0	0	0	0	35	35	35	0															
257	23	146	142	108	110	105	109	105	109	110	110	110	109	151	147	147	154	133	112	116	121	120	120	118	116	115	115	115	115	0		
224	22	150	150	136	130	130	129	129	127	127	129	129	127	126	126	126	127	127	127	20	20	24	24	24	24	0						
18	2							0	13	11	0																					
76	7	32	32	32	33	33	33	33	32	32	31	31	31	30	30	30	30	30	30	30	30	17										
12	1																	4	6	7	6	0										
13	1	5	6	6	5	4	5	5	4	4	0	0	0	0	0	5	5	0	8	12	7	0										
15	1	12	19	17	16	14	5	9	0																							
		0	9	4	4	1	10	10	4	4	0								0	3	2	1	0									
6		4	0																													
2																																
8	1																															
2		1	1	1	1	1	1	1	1	1																						
1																																
																			0	58	58	58	58	61	61							
36	3	95	42	45	50	34	8	9	13	44	0																					
18		3	11	5	11	6	6	2	2	2	0																					
25	3	0	11	32	36	0	0	0	8	0																						
578	52	347	375	283	240	235	238	234	249	248	239	239	236	312	308	308	281	260	239	136	141	144	144	142	140	115	115	115	115	0		

NO	TOTAL SEC-FT.	TOTAL AC-FT.	RESERVOIR RIGHTS: F.M. DIST. ALLOTED AC.-FT.	HENRYS LAKE AC.-FT.	AM. FALLS AC.-FT.	RENTALS & TRANSFER AC.-FT.	TOTAL RIGHT AC.-FT.	HEADGATE EQUIV. AC.-FT.
1								
2	262	520						
3								
4	0	0				① 520	520	520
5	297	589	1165				1165	1136
6	141	280	1760				1760	1716
7	1288	2554	1371				1371	1337
8	861	1708	2056			① 200	2256	2200
9	8143	16152	18534				2035	1984
10	3347	6638	8740			① 155	18689	18223
11	10207	20246					8740	8522
12	49	97			22604		22604	20963
13	② 3910	7755	8462			① 100	100	98
14	7	14				① 2057	10519	10186
15	632	1254	1274			① 15	15	14
16	202	401	351			① 20	1294	1262
17	8	16	271			③ 160	511	498
18	6867	⑤ 13625ee Teton River Tabulation				④ -60	211	206
19	648	1285	716	⑥ 784				
20	3478	7295	1891	8262		① 68	1548	1498
21	471	934	4905	⑦			10153	9528
22	3144	6236	5936				4905	4783
23	4168	8267	5140			① 1161	7097	6872
24	9303	18452	8815	14308		① 3769	8909	8639
25							23123	21990
26	57371	113794	73422	23354	22604	7645	127025	121705
27								
28							6565	6245
29	2990	5931	2545	4020		① 1000	31136	29537
30	14505	28770	10271	⑧ 19865		⑨ 2754	19219	18277
31	9302	18450	4581	11884		⑩ -1650	1703	1461
32	860	1706	3353			⑪ 9256	9256	8122
33	4095	8122	0			① 1500	1500	1317
34	596	1182	0			① 485	920	807
35	357	708	435				1913	1678
36	565	1121	1913				1441	1390
37	46	91	1441				367	322
38	110	218	367				154	135
39	26	52	154				360	315
40	140	278	360				120	105
41	51	101	120				232	203
42	92	182	232				276	242
43	0	0	276				10162	8918
44	4057	8047	10162				1441	1264
45	322	639	1441			① 200	200	175
46	19	38	0				2428	2130
47	548	1087	2428			⑩ -1104	0	0
48	0	0	1104					
49								
50	⑬ 29833	⑫ 59173	⑭ 41183	35769		12441	⑭ 89393	82843
51								
TOTALS	LINES 29-48 INCL.							

PLATE NO. 22

NOTES

① From Fremont Madison District, including, in some instances, water subsequently allotted by District after original allotment.

② Includes Fall River Canal water diverted thru Cross Cut Canal.

③ 100 ac.ft. from Fremont Madison Dist, 60 ac.ft. from Curr Ditch.

④ To Silkey.

⑤ For Teton River Canals only, excluding Fall River Canal.

⑥ Part of Last Chance right.

⑦ Sold Henrys Lake right of 4020 ac.ft to Independent.

⑧ Includes 4020 ac.ft. from St. Anthony Union.

⑨ 1104 ac.ft. from Rosana and 1650 ac.ft. from Island Ward.

⑩ To Consolidated Farmers.

⑪ 3690 ac.ft. from Fremont Madison Dist., and 5566 ac.ft. from Lower Teton Users.

⑫ These quantities are ½ of actual diversions in Teton Basin one day earlier.

⑬ Includes Egin, Independent, Consolidated Farmers, and Island Ward for full period and other canals June 22-July 10 incl. when water was passing lowest canal on Teton River.

⑭ Does not include 232 ac.ft. allotted to Pincock-Garner and not used.

TETON BASIN AND SWA

STREAM	MAY 11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	JUN 1	2	3	4	5	6	7	8	9	10	11	12
TETON BASIN																																	24
TRAIL CREEK ABOVE STRING CANAL	109																																
GAME CREEK AT MOUTH	85							143	143		143				221		231	221			234	234		212			176			144	138		15
STRING CANAL								100	92		100				127		132	125			144	149		100			70			48	44		7
KIMBALL CANAL																	55	72														68	6
RICKS-KIRSLEY CANAL																	46	44	43	41	44	44	42	38	33	35	30	30	31	28	27	28	2
TOWN CANAL																	30	27	29	29	30	31	29	28	21	24	18	16	18	16	15	20	1
EDWARDS CANAL																	76	64	68	66	68	72	72	68	57	60	49	44	49	47	44	50	3
SPENSER CANAL																	5	5														4	
HUMBLE CANAL																	36	38	34	34	36	38	36	36	27	29	24	15	20	18	15	26	2
TONKS CANAL																		9.3								10	6	6	8.0	6.7	5.5	14	1
FOX CREEK ABOVE ALL DIVERSIONS																		42								35	28	22	25	23	21	22	3
DARBY CREEK ABOVE ALL DIVERSIONS									86						118			109			115			95			62				43		
TETON CREEK ABOVE ALL DIVERSIONS										191	211	258						323			308			301			124				75		
WYOMING CANALS OF TETON CREEK																																	
BROWN-CLEMENT-PRATT CANALS AND MILL CREEK AT DISTRIBUTION GATE																																	
SOUTH SIDE CANAL																																	
RIGBY CANAL																																	
WADDELL CANAL																																	
GRAND TETON CANAL	69									298		360			383			388				268					223				130		
TETON CREEK BELOW GRAND TETON CANAL										96		96			135			141						132			41				11		
SOUTH LEIGH CREEK AT WYO. LINE													122								122	122		140			68				38		
NORTH LEIGH CREEK AT FOREST BDRY.													330	310							310			310			127				106		
SPRING CR. AT HWY.-BRIDGE-EAST OF TETONIA														140							167			179					128			113
BADGER CR. 2 MILES EAST OF HONEYDALE SCH.														208	236						189			182			109					169
SWAN VALLEY																																	
NORTH FORK INDIAN CREEK																																	
SOUTH FORK INDIAN CREEK																																	
PALISADE CANAL																																	
PALISADE CREEK BELOW PALISADE CANAL																																	
RAINEY CREEK ABOVE DIVERSIONS																																	

SWAN VALLEY STREAM FLOW RECORDS 1940

HOUR SECOND FEET

	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	JUL 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
TETON [illegible]																																														
TRAIL CR[illegible]	188	192	178	174		145		146	138			111	97	101		96	92		101								77		75			73	70			69		68			64	63				
GAME CR[illegible]	102	132	127	110		102		102	98			54	44	49		41	40		37			82				23		23			22	19			19		18								
STRING [illegible]		68	76						78	78	72	68	58	58	50	50	46	46	47	46	46	43	39	39	39	34	34	33	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
KIMBALL[illegible]	28	32	29	29	28	25	25	31	29	25	24	21	17	17	17	15	15	15	15	15	14	14	14	13	13	13	13	12	13	12	12	12	11	11	11	11	11	10	11	11	10	10	10	9.8	9.8	9.5
RICKS-KA[illegible]	14	28	27	28	28	24	27	22	20	19	16	14	13	13	13	12	12	7.2	10	9.5	8.3	8.3	8.3	8.3	7.2	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
TOWN C[illegible]	40	44	44	44	44	43	41	40	39	38	34	33	25	24	24	24	24	24	24	24	23	23	21	20	20	20	20	20	18	18	18	18	18	18	17	16	16	15	16	16	15	15	15	15	15	15
EDWARDS[illegible]									4	4	3	2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1	1	1	1	1	1	1																		
SPENSER[illegible]	31	33	31	30	30	26	24	24	20	18	13	12	16	15	15	14	14	13	15	13	12	12	12	11	11	9.5	8.3	8.3																		
HUMBLE [illegible]	14	18	14	13	12	9.4	8.7	8.7	8.6	5.6	3.5	3.5	5.9	5.4	5.4	4.5	4.1	4.1	4.5	4.1	3.3	3.3	3.3	2.4	2.6	2.2	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.9	
TONKS [illegible]	39	43	42	37	39	34	32	30	30	22	19	16	17	16	16	16	20	18	21	17	16	16	16	15	16	14	12	13	14	16	15	11	11	11	11	11	11	11	11	11	11	11	11	11	10	
FOX CREEK[illegible]	103		144			97		83	75				45			37						26				21				19			17	16			14					13				
DARBY CR[illegible]	231		272			194		176	132	122			75			45	44			44		41	38			32						26	26			21					21				
TETON CRE[illegible]																										84			67													40				
WYOMING [illegible]																											19		26	16				14					7	10		9				
BROWN AND MIL[illegible]																											16	12	12	12									12			7				
SOUTH [illegible]																											9		4.5										3			3				
RIGBY [illegible]																											11		9	5.5									1.5	1.5		1.5				
WADDEL[illegible]																																													
GRAND [illegible]	320		383			335		330	301	284	255	191	158	137	134	108	99	88	114	96	76	70	70	65	44	46	41	42	33	33	45	41	39	39	37	35	31	36	24	24	24	24	22	22	22	18
TETON CREEK[illegible]	90		174			97		70	78	37			5	0	0	0																													
SOUTH LEIGH[illegible]	122		149			104		95				37	30			27				15				27		22		19				8	5			3			1	0	0				
NORTH LEIGH[illegible]	185		280			202		196				77	77			45				41						18						13	12			11									
SPRING CR. A[illegible]	140		176			113	132	132				54	50		35	35				49				30		27		22		17		14	13		13	13					13		12		
BADGER CR. 2[illegible]	138		149				120						49									16				14						11	9			9									
SWAN VALL[illegible]																																													
NORTH FORK [illegible]														18									16												13		14		13				12			
SOUTH FORK [illegible]														8									5												1		2		1				.6			
PALISADE CA[illegible]													75		63		65	77	63	51	14			12		12	43			43					55		57			57		57		5
PALISADE CRE[illegible]																			10	20	50			49		44	9												18	19					
RAINEY CREEK[illegible]																					25	24				20																			

HOU

	13	29	30	31	AUG. 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	SEP. 1	2	3	4	5
4	188	/	56			54				54		54		52		48		48		48				48	48	48				48	48	48									
7	102	/	14			13				12		12		11		10		10		10				10	10	10				10	10	10									
3		23	23	23	23	23	21	21	20	20	20	20	20	20	20	20	20	20	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17	17	17	17	17
5	28	1.5	9	9	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
8	14	5.7	5.7	5.7	5.2	5.2	5.2	5.2	5.2	5.2	5.2	4.6	4.6	4.6	4.6	4.6	4.6	4.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.7	5.7	5.7	5.7	5.7	5.2	5.2	5.2	5.7	5.7	4.7	4.8	4.8	4.8	4.8
1	40	1.5	15	12	12	12	12	12	12	12	12	12	12	12	12	12	11	11	11	11	11	11	1	11	11	11	11	11	11	1.5	1.5	1	.4	.4	.4	.4	.4	.4	.4	.4	.4
4	31	5.2	5.2	5.2	5.2	5.2	5.2	4.2	5.2	5.2	4.7	4.7	4.7	4.7	3.8	3.8	4.7	4.7	5.7	5.7	5.2	4.7	5.2	5.2	5.7	4.2	4.2	4.2	4.2	4.2	3.8	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
3	14	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.5	1.5	1.3	1.3	1.3
2	39	10	10	9.4	9.4	9.4	9.4	9.4	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.0	8.0	8.0	8.6	8.4	8.6	8.0	8.6	8.6	8.8	7.6	7.6	7.6	7.0	7.0	6.4	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
	103		11		11	11						10				9.8									9.8					9.8			9.0							
	231		18		18	16						15					13								13		13			13			12							
		4										20				17										15							13							
		6			6				7			7				5			5				4			6			5			4							
		7	6		6				6			5				5			4				4.5			4			4			4							
		.5			2.5				2.3			2.3				2			1.5				2			2			2			1.5							
		.3	1.5		1.5				1.4			1.3				2			1.5				1.3			1.3			1.3			1.3							
	320	7	16	15	13	12	12	12	12	12	10	10	10	10		9			10		9		9			8.5				8.5			8.5							
	90																																							
	122											8							7											6										
	185		8																8				8							8			8							
	140	2		14						10	9								3											3										
	138		5									4																													

13	14	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	ave	1	2	3	4	5
188															56				54			
102	48				48	48	48				48	48	48		14				13			
8	10				10	10	10				10	10	10		23	23	23	23	23	21	21	20
28	18	18	18	18	18	18	18	18	18	18	18	18	18	18	9	9	9	8.3	8.3	8.3	8.3	8.3
14	7.2	7.2	7.2	7.2	7.2	7.2	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	5.7	5.7	5.7	5.2	5.2	5.2	5.2	5.2
40	3.8	3.8	3.8	3.8	3.8	3.8	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	15	12	12	12	12	12	12	12
	11	11	11	11	11	11	11	11	11	11	1.5	1	.4	.4								
31			1												5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
14	5.7	5.2	4.7	5.2	5.2	5.7	4.2	4.2	4.2	4.2	4.2	3.8	4.2	4.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
14	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.3	1.3	9.4	9.4	9.4	9.4	9.4	9.4	8.6	8.6
39	8.6	8.6	8.6	8.0	8.6	8.6	7.6	7.6	7.4	7.0	7.0	6.4	7.0	7.0	10	9.4	9.4	9.4	9.4	9.4	8.6	8.6
103	4.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.3	1.3	11	11	11					
231															18	18	16					
	4																					
	6														6	6	6	7	7	7	7	7
	5														2.5			2.3				
	1.5														1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4
	10	9													13	16	15	12	12	12	12	12
320																						
90	7																					
122																						
185	8																					
140	2																					
138	3																					
47																						
7																						
16																						

13	29	30	31	ave	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
188		56				54				54		54	52		48		48		
102		14				13				12		12	11		10				
8	23	23	23		23	21	21	20	20	20	20	20	20	20	20	20	20	18	18
28	9	9	9		8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	7.2	7.2	7.2	7.2	7.2	7.2
14	5.7	5.7	5.7		5.2	5.2	5.2	5.2	5.2	5.2	5.2	4.6	4.6	4.6	4.6	4.6	4.6	4.4	3.8
40	15	15	12		12	12	12	12	12	12	12	12	12	12	12	12	11	11	11
31	5.2	5.2	5.2		5.2	5.2	5.2	4.2	5.2	5.2	4.7	4.7	4.7	3.8	4.7	4.7	4.7	5.7	5.7
14	1.4	1.4	1.4		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3
39	10	10	9.4		9.4	9.4	9.4	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.0	8.0	8.0	8.6	8.6
103	11		11		11						10			9.8					
231	18		18		16						15		13						
4											20		17						
6																			
7	6		6		6						7		5	5					
5			2.5								2.3		2						
3	1.5		1.5								1.3		2						
320	16	15	13		12	12	12	12	12	10	10	10	10	9					
90																			
122																			
185	8									8									
140		14							10	9									
138	5									4									
									10		8								
5	53				47	47								43	45		47		
	18					17							17						

Daily discharge, in second-feet, of JACKSON LAKE at MORAN, WYO.

(For the year ending September 30, 1943)

Plate No. 24

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	313,810	335,150	347,740	365,920	390,680	419,090	444,640	492,700	758,240	783,220	484,850	205,750
2	314,460	335,580	348,170	367,020	391,350	419,540	445,550	494,320	769,690	776,950	474,070	196,780
3	315,320	336,020	348,390	367,900	392,240	420,670	446,680	497,550	780,720	773,690	463,300	190,250
4	316,180	336,450	348,820	368,560	392,900	421,580	447,590	500,780	787,740	767,700	452,370	186,290
5	317,030	336,880	349,260	369,210	393,570	422,250	448,280	505,160	796,010	761,470	441,230	185,300
6	317,890	337,320	349,700	369,870	394,690	422,930	449,180	509,340	804,600	755,250	430,820	184,700
7	319,820	337,750	350,140	370,530	396,250	423,600	449,870	513,290	811,170	746,280	420,670	180,190
8	321,110	338,190	350,570	371,640	396,920	425,860	450,550	517,010	818,750	737,140	409,220	174,340
9	321,970	338,620	351,010	372,520	397,600	426,760	451,910	521,660	826,870	727,990	397,820	168,880
10	322,610	339,060	351,450	373,630	398,279	427,440	452,600	526,540	833,230	718,610	386,480	166,540
11	323,260	339,490	352,110	374,960	399,610	428,340	453,960	535,640	839,080	707,810	375,400	165,570
12	323,900	339,920	352,550	376,070	400,500	428,790	455,100	547,340	844,680	696,270	364,830	163,230
13	324,540	340,360	352,990	377,400	401,400	429,240	456,010	556,720	851,840	684,320	353,860	161,120
14	325,190	340,790	353,640	377,840	402,290	429,920	457,370	566,380	853,380	671,890	342,530	160,350
15	325,830	341,220	354,080	378,280	403,180	430,370	459,190	577,460	853,640	658,820	331,030	159,580
16	326,480	341,660	354,740	378,940	403,860	431,050	461,240	587,900	852,350	645,280	320,040	158,050
17	327,120	342,090	355,400	380,050	404,530	431,950	462,850	599,760	852,350	633,730	309,310	156,710
18	327,770	342,530	356,060	380,270	404,970	432,630	463,760	610,020	852,350	623,640	298,660	155,560
19	328,420	342,960	356,500	380,940	405,420	433,080	464,910.	620,530	850,820	615,140	288,270	154,790
20	328,860	343,400	357,150	381,820	405,870	433,530	465,600	628,920	850,560	605,720	277,540	155,750
21	329,510	343,830	357,590	382,270	406,760	433,980	469,030	639,510	849,790	595,490	267,480	156,520
22	329,940	344,050	358,250	382,710	408,100	434,660	471,320	648,890	846,720	585,290	259,990	157,470
23	330,590	344,480	358,690	383,380	409,450	435,110	472,700	657,120	842,140	574,860	252,340	158,240
24	331,030	344,910	359,350	384,480	410,340	435,780	474,990	665,360	837,300	564,730	243,860	158,820
25	331,680	345,130	360,220	385,810	411,680	436,240	476,600	673,840	831,700	556,020	237,730	159,580
26	332,110	345,560	361,100	386,920	412,580	437,140	478,890	687,740	824,580	547,810	233,040	160,350
27	332,760	346,000	361,760	388,030	413,470	438,720	481,860	700,930	816,720	538,210	227,940	161,310
28	333,410	346,430	362,630	388,470	415,710	440,320	484,390	713,210	808,900	527,230	224,880	163,030
29	333,850	346,870	363,290	388,910	417,970	441,680	486,470	725,020	800,560	516,540	220,630	164,790
30	334,280	347,300	363,950	389,580		443,040	489,700	736,150	791,500	506,090	216,400	166,350
31	334,710		364,830	390,020		443,950		747,030		495,240	211,980	

Mean													
Acre-Feet													

U. S. GOVERNMENT PRINTING OFFICE 6—7143

Year or Period

Mean

Acre-Feet

Daily Discharge, in second-feet, of SNAKE RIVER near MORAN, WYO. for the year ending September 30, 1949

Plate No. 25

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	30	23	23	24	24	24	39	46	15	5270	6380	3730
2	26	23	23	24	24	24	39	46	14	3760	6380	4480
3	25	23	23	24	24	24	40	46	14	3640	6400	3700
4	24	23	23	24	24	24	41	46	15	4300	6400	1150
5	23	23	24	24	24	24	42	37	21	4560	6380	681
6	23	23	24	24	24	24	42	37	22	5110	5870	1650
7	23	23	24	24	24	25	42	37	24	5920	6400	2850
8	23	23	24	24	24	25	42	37	24	5900	6380	2900
9	23	23	24	24	24	25	44	32	24	6090	6380	2620
10	24	23	24	24	24	25	46	32	24	6400	6380	1950
11	24	23	24	24	24	24	43	32	24	6940	6380	1350
12	24	23	24	24	24	24	40	32	24	7320	6380	1380
13	24	23	23	24	24	24	46	36	2220	7540	6400	1200
14	24	23	23	24	24	24	52	32	3930	7890	6380	1070
15	24	23	23	24	24	24	59	32	4420	8110	6300	949
16	24	23	23	24	24	24	55	32	3980	7680	6190	887
17	24	23	23	24	24	24	51	32	3620	6520	6090	887
18	24	23	23	24	24	24	52	32	3840	5480	6010	887
19	24	23	23	24	24	24	53	32	3460	5560	5890	591
20	24	23	23	24	24	24	57	10	3370	5900	5370	186
21	24	23	23	24	24	24	61	10	3640	6140	4860	25
22	24	23	24	24	24	24	61	483	4450	6380	4890	25
23	24	23	24	24	24	25	61	1380	4440	6230	4810	24
24	24	23	24	24	24	26	59	960	4620	5500	4200	21
25	24	23	24	24	24	28	59	10	5320	5190	3400	20
26	24	23	24	24	24	30	59	12	5870	5470	2790	19
27	24	23	24	24	24	34	57	17	5820	6300	2340	19
28	24	23	24	24	24	38	59	17	5820	6230	2140	21
29	24	23	24	24	24	38	55	18	6090	6260	2600	24
30	24	23	24	24		38	50	15	5970	6350	2610	24
31	24		24	24		38		15		6380	2750	
Mean	24.1	23.0	23.6	24.0	24.0	26.7	50.2	117	2704	6010	5230	1177
Acre-Feet	1480	1370	1450	1480	1380	1640	2990	7210	160,900	369,600	321,600	70,060

U. S. GOVERNMENT PRINTING OFFICE 6—7449

Year (Calendar) (Water) Mean 1,296

Acre-Feet 941,160

Daily discharge, in second-feet, of SNAKE RIVER at CALAMITY POINT near IRWIN, IDAHO for the year ending September 30, 1949

Plate No. 2-6

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2600	2320	1960	1880	1810	2050	2690	3490	10600	9650	8550	4610
2	2640	2300	1970	1890	1840	1930	2710	3780	10700	9140	8430	5500
3	2660	2290	1960	1890	1820	1890	2600	4360	10100	7920	8400	6240
4	2590	2280	1940	1880	1740	1860	2510	5110	9110	7600	8400	5730
5	2590	2230	1910	1870	1800	1840	2540	5250	8920	7950	8370	3730
6	2570	2230	1900	1860	1810	1800	2600	5110	9140	7980	8430	3050
7	2620	2230	1910	1830	1820	1820	2590	4940	8160	8370	7950	3390
8	2620	2240	1940	1800	1760	1820	2600	4890	8070	8860	8370	4610
9	2570	2220	1960	1820	1750	1800	2760	5280	7720	8830	8310	4820
10	2520	2160	1970	1830	1790	1780	2790	6020	7010	8890	8310	4610
11	2510	2110	1970	1800	1790	1750	2710	7120	6670	9200	8250	4130
12	2490	2110	1930	1770	1700	1730	2660	8190	6780	9620	8220	3510
13	2470	2100	1890	1740	1700	1730	2770	9710	7400	9940	8190	3530
14	2460	2110	1900	1720	1740	1740	3090	10100	10400	10100	8220	3430
15	2440	2100	1900	1700	1760	1730	3390	9620	12400	10400	8160	3240
16	2460	2070	1940	1670	1710	1750	3900	9910	12900	10700	8040	3130
17	2430	2040	1960	1640	1710	1790	3730	10000	11900	10000	7890	2960
18	2430	2010	1910	1620	1730	1820	3670	9650	11500	9040	7840	3020
19	2410	2010	1790	1590	1710	1840	3920	9200	11300	8250	7810	3090
20	2400	2010	1830	1560	1710	1860	4220	8860	11000	8220	7720	3110
21	2380	2010	1870	1580	1680	1900	4200	8520	10500	8280	7230	2820
22	2360	2010	1840	1600	1710	1960	3940	8040	10300	8430	6870	2440
23	2360	2010	1800	1620	1740	2030	3900	8800	10200	8580	6900	2290
24	2350	2010	1820	1640	1740	2080	3880	10400	9810	8370	6900	2230
25	2350	1980	1800	1660	1740	2160	3980	10400	9520	7690	6340	2220
26	2350	1940	1800	1680	1750	2240	4050	10600	9910	7490	5630	2220
27	2350	1960	1800	1720	1910	2600	4090	11100	10000	7860	4990	2220
28	2340	1940	1800	1740	2080	2760	4050	11100	9780	8520	4470	2320
29	2350	1910	1800	1760	2220	2510	3900	10800	9650	8460	4160	2410
30	2340	1910	1800	1780		2460	3630	10500	9740	8550	4490	2550
31	2320		1800	1790		2620		10300		8580	4490	
Mean	2,462	2,095	1,883	1,740	1,785	1,989	3,336	8,102	9,706	8,757	7,301	3,439
Acre-Feet	151,400	124,700	115,800	107,000	102,700	122,300	198,500	498,100	577,600	538,500	448,900	204,600

U. S. GOVERNMENT PRINTING OFFICE 6—7149

YEAR / PERIOD — MEAN 4,394 — ACRE-FEET 3,190,100

Daily discharge, in second-feet, of SNAKE RIVER near HEISE, IDAHO *for the year ending September 30, 1930.*

Plate No 17

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3090	2660	2270	2320	2120	2650	3180	4470	11400	10500	8870	4900
2	3050	2660	2300	2340	2160	2440	3230	4510	11700	10200	8810	5500
3	3070	2630	2280	2340	2160	2330	3200	5230	11400	9080	8670	6550
4	3050	2630	2280	2330	2160	2300	3050	6280	10200	8260	8670	6760
5	3000	2600	2260	2320	2150	2260	3010	6580	9750	8640	8670	4680
6	2980	2580	2240	2280	2140	2240	3060	6460	10100	8640	8640	3590
7	3020	2570	2240	2220	2160	2200	3060	6200	9180	8810	8260	3350
8	3020	2570	2260	2200	2160	2220	3060	6110	8980	9540	8600	4780
9	3000	2570	2300	2220	2100	2220	3160	6430	8840	9360	8600	5260
10	2950	2530	2300	2260	2150	2200	3310	7100	8030	9460	8640	5100
11	2930	2470	2300	2260	2180	2150	3230	8260	7570	9570	8600	4800
12	2900	2450	2300	2160	2100	2100	3160	9320	7410	10000	8600	4030
13	2880	2440	2240	2080	2010	2060	3200	10700	7970	10300	8570	3900
14	2850	2440	2220	2050	2060	2050	3590	11800	9780	10500	8570	3880
15	2850	2450	2220	2030	2100	2050	4030	11300	12800	10700	8570	3630
16	2850	2420	2260	2020	2080	2060	4610	11400	13300	11100	8430	3530
17	2830	2390	2260	1980	2020	2090	4610	11500	13000	11100	8360	3370
18	2830	2360	2260	1940	2050	2120	4470	11200	12100	10100	8260	3370
19	2810	2330	2160	1900	2080	2140	4700	10700	12100	8940	8160	3510
20	2780	2330	2080	1810	2030	2180	5080	10300	11600	8670	8130	3610
21	2760	2330	2180	1880	2010	2200	5280	9930	11300	8740	7930	3370
22	2760	2330	2180	1920	1980	2240	5000	9400	10700	8840	7410	2970
23	2740	2330	2180	1930	2090	2380	4900	9260	11100	9010	7350	2740
24	2740	2330	2180	1950	2090	2420	4880	10800	10600	8910	7380	2640
25	2740	2320	2160	1970	2080	2500	5050	11600	10100	8400	7040	2620
26	2740	2280	2080	2000	2080	2580	5150	11400	10300	7930	6370	2660
27	2740	2270	2080	2040	2180	2880	5180	12100	10700	8000	5610	2620
28	2730	2300	2080	2060	2440	3250	5180	12300	10500	8840	5080	2720
29	2710	2280	2080	2080	2610	3070	5100	12000	10200	8840	4580	2870
30	2690	2270	2150	2090		2930	4750	11600	10300	8770	4820	2920
31	2680		2300	2080		3050		11200		8910	4900	
Mean	2864	2437	2215	2099	2129	2373	4082	9272	10,430	9312	7715	3874
Acre-Feet	176,100	145,000	136,200	129,600	122,400	145,900	242,900	570,100	620,800	572,500	474,300	230,500

Year Mean 4,912

Acre-Feet 3,565,700

Daily discharge, in second-feet, of SNAKE RIVER near SHELLEY, IDAHO for the year ending September 30, 1930

Plate No. 28

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1850	2560	2050	2600		3550	3500	6400	6240	3590	4190	1470
2	1620	2530	2050	3000		3570	3660	5670	6500	3940	4160	1470
3	1560	2500	2020	3250		3330	3680	5450	6930	4860	4020	1920
4	1750	2480	2030	3170		3190	3570	5890	6830	4750	3750	3190
5	1930	2400	1970	3130		3130	3350	6930	6670	4750	3680	3620
6	2100	2420	1980	3020		3070	3290	7460	8110	4290	3500	2340
7	2220	2420	1900	3040		2980	3330	7060	9220	3940	3500	1820
8	2390	2360	1920	2870		2730	3530	6440	8660	4060	3500	1700
9	2550	2380	1920	2530		2760	3570	5580	8730	3920	4040	2530
10	2580	2330	1970	2530		2850	3900	4860	8660	3250	4390	2920
11	2610	2400	2010	2640		2820	4040	4660	7460	2980	4450	2910
12	2630	2400	2060	2560		2640	4020	5120	5990	2820	4470	2700
13	2610	2390	2050			2590	3850	6110	4920	3060	4500	2260
14	2660	2390	2060			2480	3660	7200	4160	3250	4160	2170
15	2580	2270	2010			2440	4290	7900	5540	3440	4140	1970
16	2530	2360	1990			2360	4890	7200	7900	3730	4140	1760
17	2480	2420	1900			2340	5420	6800	8140	4060	4060	1550
18	2510	2340	2050			2320	5390	6670	7230	4190	4320	1300
19	2480	2260	2030			2380	5330	6270	6180	3920	4020	1380
20	2480	2260	1970			2390	5700	5730	5510	3310	3850	1890
21	2470	2260	1900			2390	6500	5240	5120	3370	3920	2240
22	2420	2270	2030			2380	6930	4660	4770	3230	4040	2300
23	2340	2270	2270			2450	6600	4190	4630	3070	3870	2400
24	2290	2210	2130			2440	6470	3850	4690	2980	3550	2330
25	2260	2150	1930			2660	6470	4950	4190	2850	3500	2220
26	2330	2030	2150			2730	6600	5860	3940	2510	3210	2170
27	2390	2030	1990			2920	6730	6020	4020	2150	2820	2090
28	2560	2010	1800			3210	6770	6770	4040	2290	2510	2290
29	2580	2020	1730			3680	7000	7060	3780	3680	2080	2380
30	2610	1970	1720			3570	6900	7060	3370	4040	1710	2560
31	2610		1800			3350		6770		4140	1540	

(1-12)

Mean	2354	2303	1980 *	2862		2829	4965	6059	6071	3562	3664	2195
Acre-Feet	144,800	137,000	121,800	68,110		174,000	295,400	372,600	361,200	219,000	225,300	130,600

U. S. GOVERNMENT PRINTING OFFICE 9—7159

YEAR OR PERIOD MEAN ACRE-FEET

Daily discharge, in second-feet, of BLACKFOOT RIVER near BLACKFOOT, IDAHO *for the year ending September 30, 19 52*

Plate No. 19

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	46	238	236				109	135	4	6	1	0
2	50	233	237				120	122	3	9	1	0
3	55	148	225				150	82	3	2	1	0
4	76	116	237				150	59	2	6	1	0
5	107	109	309				100	80	2	8	1	0
6	162	113	311				37	146	46	3	1	0
7	203	118	286				37	148	312	2	0	0
8	275	118	215				80	52	250	2	1	0
9	304	116	182				29	16	272	1	0	2
10	318	120	112				29	8	302	1	0	1
11	322	122	71				80	4	82	1	0	0
12	300	135	39				80	1	45	1	0	0
13	282	197	158				79	2	20	1	0	15
14	284	190	237				99	3	6	1	0	34
15	263	182	173				104	2	4	2	0	27
16	224	156	86			215	144	1	6	5	0	57
17	204	154	73			215	278	2	13	2	0	141
18	187	147	96			215	327	0	5	1	0	131
19	175	192	93			215	308	0	2	2	0	158
20	168	210				210	241	5	1	1	0	201
21	158	230				210	204	7	1	1	0	255
22	156	254				203	210	6	2	1	0	256
23	72	251				203	243	2	7	1	0	89
24	10	252				164	182	2	5	1	0	73
25	10	250				140	178	2	3	0	0	69
26	15	240				111	122	3	2	1	0	67
27	199	237				86	71	7	2	1	0	71
28	199	236				84	39	5	2	0	0	81
29	215	236				98	79	6	2	0	0	105
30	230	236				109	146	4	2	1	0	153
31	246					109		4		1	0	

	(1-14)					(16-31)						
Mean	178	185	178			162	135	29.5	46.9	2.1	0.2	66.2
Acre-Feet	10,940	10,980	6,700			5,130	8,040	1,820	2,790	129	14	3,940

Year or Period Mean _____ Acre-Feet _____

Daily discharge, in second-feet, of SNAKE RIVER at CLOUGH RANCH near BLACKFOOT, IDAHO *for the year ending September 30, 19 50*

Plate No 30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	468	2200	2130	2400	2150	3490	3200	5170	2640	488	1620	661
2	534	2150	2120	2910	2080	3550	3360	4250	2560	1230	1750	400
3	552	2050	2090	3250	2010	3380	3420	3460	3030	2020	1660	300
4	719	1990	2120	3370	2170	3230	3410	3360	3240	2790	1530	1080
5	972	1970	2220	3330	2190	3110	3220	3890	3290	2660	1250	2610
6	1240	1970	2220	3420	2420	3040	3060	4500	4250	2260	1160	2420
7	1480	1970	2150	2850	2480	2950	3060	4410	6180	1230	1080	1350
8	1740	1930	2010	2850	2410	2820	3190	3580	6270	998	1110	584
9	2060	1920	2010	2800	2560	2630	3190	2580	6360	1130	1320	661
10	2230	1890	1970	2740	2660	2770	3360	1690	6510	682	1810	1290
11	2320	1910	1970	2720	2610	2750	3640	990	5520	300	1990	1370
12	2300	1970	2000	2660	2670	2640	3740	1030	3690	175	2270	1260
13	2350	2000	2150	2090	2610	2550	3620	1790	2270	155	1970	798
14	2350	1970	2230	1610	2590	2440	3440	2620	1220	155	1740	626
15	2290	1940	2160	1920	2670	2350	3710	3800	726	150	1470	510
16	2220	1910	2020	1940	2550	2280	4180	3560	2150	280	1540	477
17	2100	2010	2010	2290	2640	2300	4840	3110	4090	552	2230	718
18	2090	2000	2020	1710	2550	2300	5100	2870	4100	830	2880	742
19	2060	1990	2060	1620	2560	2280	4960	2790	2880	870	3140	790
20	2040	2150	2260	1320	2530	2260	4980	2420	2250	640	2730	1100
21	1970	2100	2240	1120	2460	2290	5210	1790	1800	577	2040	1490
22	1910	2150	2240	990	2550	2230	5670	1340	1430	822	1780	1830
23	1840	2160	2280	998	2550	2280	5760	822	1180	750	1660	1770
24	1620	2160	2470	1360	2480	2260	5340	422	1300	814	1430	1630
25	1620	2190	2130	1260	2720	2350	5290	270	1030	510	1260	1330
26	1550	2190	2060	1360	2750	2360	5290	1270	605	477	1190	1260
27	1830	2150	1990	1660	3040	2520	5340	1810	411	902	1120	1180
28	2020	2100	1460	1800	3600	2720	5320	2230	375	718	1080	1230
29	2120	2120	1480	1970	3550	3160	5460	2870	400	1160	934	1530
30	2170	2060	1610	2220		3450	5500	3090	345	1560	682	1770
31	2190		1570	2300		3210		3010		1360	689	

Year	1776	2042	2047	2156	2580	2708	4295	2606	2737	943	1617	1159
Acre-Feet	109,200	121,500	125,900	132,600	148,400	166,500	255,600	160,300	162,800	58,010	99,400	68,960

Year Mean 2217

Acre-Feet 1,609,170

Daily contents, ~~corr~~ in feet, of AMERICAN FALLS RESERVOIR at AMERICAN FALLS, IDAHO

for the water years beginning October 1 Plate No. 21

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	256,160	458,710	652,770	862,920	1,099,330	1,343,520	1,590,070	1,711,760	1,395,760	1,070,470	607,790	255,730
2	260,490	466,520	659,070	871,160	1,106,990	1,352,930	1,594,420	1,711,200	1,384,160	1,058,580	593,410	247,160
3	265,460	475,020	667,040	879,400	1,114,660	1,359,950	1,609,090	1,707,280	1,372,060	1,046,700	582,240	239,380
4	269,570	482,210	673,680	890,380	1,122,480	1,369,030	1,618,910	1,703,920	1,362,980	1,036,570	568,320	232,860
5	273,730	490,230	680,990	899,400	1,131,230	1,375,080	1,624,990	1,700,000	1,353,920	1,024,730	555,600	228,260
6	279,960	496,870	687,460	911,870	1,141,380	1,384,660	1,633,280	1,697,200	1,347,480	1,011,860	542,070	226,630
7	285,080	504,560	694,970	921,180	1,149,210	1,391,720	1,641,020	1,694,960	1,339,560	1,001,990	527,700	224,800
8	289,980	510,830	701,460	929,670	1,157,510	1,396,770	1,644,890	1,688,790	1,336,590	987,820	513,960	222,760
9	295,590	515,100	707,950	938,560	1,166,370	1,407,910	1,650,420	1,680,380	1,338,570	971,010	499,150	219,510
10	302,710	521,650	713,080	945,970	1,173,900	1,413,570	1,660,370	1,669,760	1,336,590	956,820	484,700	216,050
11	309,840	525,070	717,920	959,740	1,182,850	1,423,850	1,671,970	1,655,940	1,335,110	940,180	473,640	213,200
12	318,140	528,580	727,750	967,670	1,190,860	1,430,540	1,680,940	1,642,120	1,329,660	920,770	461,400	212,180
13	325,730	532,390	733,720	974,350	1,200,740	1,437,730	1,686,550	1,628,860	1,318,280	901,760	447,130	214,010
14	333,330	536,500	740,040	983,530	1,208,750	1,445,450	1,691,030	1,618,350	1,305,900	885,670	434,400	214,210
15	340,210	540,310	746,360	992,110	1,216,420	1,451,620	1,700,560	1,607,460	1,290,800	868,420	420,730	213,400
16	348,490	547,060	754,160	998,550	1,225,060	1,457,810	1,708,960	1,597,680	1,276,680	850,710	407,800	212,990
17	355,820	553,810	758,480	1,005,850	1,233,210	1,463,570	1,708,400	1,590,070	1,266,450	834,700	396,510	214,210
18	362,170	560,440	768,220	1,013,140	1,240,400	1,470,900	1,711,760	1,579,750	1,258,660	818,100	385,110	214,820
19	369,090	566,800	776,150	1,017,870	1,248,080	1,478,230	1,713,470	1,566,710	1,249,520	802,160	375,350	212,990
20	376,100	573,460	779,400	1,022,160	1,256,710	1,485,030	1,704,480	1,555,970	1,235,610	786,250	367,840	211,770
21	384,110	580,430	788,450	1,027,330	1,264,500	1,491,320	1,712,330	1,545,320	1,225,540	769,660	359,720	213,810
22	391,390	587,160	797,350	1,031,950	1,272,290	1,499,700	1,712,900	1,531,480	1,210,190	753,430	349,220	216,660
23	398,820	594,660	804,390	1,036,570	1,280,570	1,507,030	1,712,300	1,516,570	1,196,980	738,980	338,070	222,760
24	403,440	601,540	810,320	1,042,080	1,285,930	1,516,040	1,712,900	1,501,790	1,180,500	723,890	328,340	228,870
25	409,330	608,420	818,840	1,047,580	1,298,100	1,522,430	1,715,750	1,482,940	1,164,960	707,270	318,380	234,120
26	414,460	615,600	827,080	1,053,300	1,305,410	1,530,420	1,714,610	1,465,140	1,143,220	691,900	309,380	239,590
27	421,780	622,670	834,700	1,060,350	1,314,810	1,536,270	1,714,040	1,454,190	1,128,470	675,340	300,410	242,750
28	427,040	630,730	841,560	1,067,830	1,325,210	1,547,990	1,708,960	1,442,360	1,113,310	662,730	289,980	249,480
29	434,660	638,140	846,130	1,075,430	1,334,610	1,557,040	1,704,480	1,430,020	1,100,230	647,810	283,080	255,940
30	442,550	644,910	850,710	1,083,100		1,571,660	1,710,640	1,418,710	1,082,190	635,240	274,400	264,380
31	450,900		856,420	1,090,760		1,580,290		1,406,370		622,030	265,030	

Year or Period

Mean

Acre-Feet

Plate No 32

Daily discharge, in second-feet, of SNAKE RIVER at NEELEY, IDAHO *for the year ending September 30, 19[illegible]*

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1230	918	1170	1090	770	2110	820	7490	11000	10200	11100	7740
2	1260	920	1330	1100	770	2080	1150	7530	10800	10100	11200	7570
3	1240	952	1440	1110	493	2080	1140	7450	10700	10100	11100	7160
4	1680	918	1440	1130	444	2100	1790	7490	10600	10000	11000	6700
5	1840	928	1440	1140	440	1830	2020	7910	10400	10200	11100	6190
6	1780	945	1450	1100	798	1790	2200	8530	9980	10700	11100	5710
7	1780	1510	1460	1100	892	1610	1860	9230	9890	10900	11000	5410
8	1770	1530	1530	1140	892	1620	1850	9890	9890	11100	11000	5410
9	1800	2380	1500	954	918	1600	1680	10300	9890	11300	11000	5410
10	1830	2530	1610	678	1100	185	1380	10500	9890	11400	11100	5350
11	1310	2520	1540	638	1030	1630	1300	10600	10000	11500	11000	5190
12	1320	2530	1520	801	1060	1630	1870	10800	10700	11500	11100	4870
13	1330	2610	1530	919	1090	1650	1830	10600	11000	11600	11100	4300
14	1330	2550	1530	921	1150	1680	2230	10300	11300	11700	11000	3900
15	1340	1410	1320	1110	1220	1660	3050	10400	11400	11500	10900	3700
16	1330	1440	1260	1160	1210	1640	5030	10700	11300	11400	10800	3480
17	1350	1440	1290	1180	1050	1030	4840	10900	11100	11300	10800	3750
18	1380	1450	1150	1400	1010	1050	6620	11000	11000	11300	10700	4120
19	1390	1480	1000	1390	1010	1050	7530	11100	10800	11500	9760	5480
20	1390	1480	1020	1310	1040	1050	7000	11100	10800	11500	9280	3730
21	1360	1480	1050	1340	1050	1060	7530	11100	10900	11500	9540	4040
22	860	1490	1070	1370	1050	1050	7570	11000	11200	11300	9720	1000
23	1370	1460	1110	1370	1020	836	7570	11100	11500	11100	9630	2030
24	1430	1460	1120	1290	1020	828	7530	11000	11900	11100	9230	1650
25	1580	1130	1020	1250	1060	844	7570	11000	12100	11100	8700	1690
26	1590	1120	946	1010	1460	849	7660	11000	11800	11000	8310	1640
27	1580	1120	1170	533	1130	633	8040	11100	11300	10900	8000	1690
28	1630	1130	1460	438	2170	644	8750	11100	10600	10800	8040	1670
29	1610	1140	1600	1070	2130	638	8440	11100	10300	10800	8000	154
30	912	1180	1630	1060		614	7490	11100	10300	10800	7960	1320
31	909		1190	776		580		11000		10900	7910	
Mean	1436	1505	1319	1061	1051	1279	4511	10,170	10,810	11,040	10,070	4,068
Acre-Feet	88,290	89,560	81,120	65,210	60,450	78,650	268,400	625,600	643,300	678,500	619,200	242,100

Year Mean 4,877

Acre-Feet 3,540,380

Daily discharge in second-feet, of LAKE WALCOTT near MINIDOKA, IDAHO

for the year ending September 30, 19 30

Plate No. 33

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	72260	67210	63810	66220	65010	69190	93900	96270	95430	88900	78580	50210
2	68750	66770	63260	66220	65340	71060	91920	96390	96150	87500	78130	47780
3	66330	65010	63480	66880	65230	73390	93670	94720	95670	85870	78470	46400
4	64360	64140	63260	67650	65340	75870	94370	93550	95670	83310	77340	43870
5	64140	63480	63040	66990	65010	75980	93320	94490	95550	81510	77450	43550
6	64140	62820	62930	67430	64690	79030	94490	94950	95910	79710	77450	42280
7	64470	61940	63260	67650	64580	80830	95670	95310	94720	79590	77340	40380
8	65230	60850	63590	67430	64360	81280	95430	95670	94720	79030	77230	38920
9	66550	59340	63700	67650	64580	83770	96150	96150	95180	79030	77000	37260
10	67650	59990	64360	67100	64140	84940	96390	96270	95070	79140	75870	35400
11	68090	60850	62380	66550	64580	84700	95430	96030	94720	79590	76550	32910
12	68090	62270	64800	65450	64580	86330	94370	96150	95180	79710	76100	30420
13	68530	63040	64580	64360	64580	88310	94140	95430	94950	79030	75080	27560
14	68750	64580	64800	65450	64580	90060	93320	95550	94950	79930	74860	24720
15	69190	66110	65120	65340	64580	91690	93320	95070	95430	80610	74290	21880
16	69410	65890	65450	65340	64580	92620	94020	94720	95550	80160	73960	18450
17	70070	64800	65450	65670	64470	93550	91340	95180	95670	80160	73730	15080
18	69850	63480	65890	65890	64250	93550	90990	95180	96150	79930	73960	10030
19	69630	62380	65560	66330	63810	93550	94490	94950	95790	79710	73960	12700
20	69410	61500	64030	66550	63700	93550	93670	94950	93440	80610	72380	15480
21	69300	60850	64580	66770	63810	93440	96270	95430	93900	80830	70290	16070
22	68970	60630	64800	66880	63590	93440	96630	95180	92620	80830	69300	17660
23	68420	61280	64800	66990	63590	93790	96630	95070	93440	80610	68420	15080
24	68310	61830	64030	66990	63700	94250	95910	94950	93550	79930	67760	13700
25	67540	63150	64580	66990	63480	94250	95670	94020	94370	79480	66660	11910
26	67430	63260	64580	67210	63480	94370	96630	94020	93320	80040	64360	10030
27	66550	63480	64360	66770	63920	94250	96150	94370	93550	79140	62380	5910
28	66550	64030	64580	65670	64360	94600	95430	94950	93200	79710	59880	4200
29	66770	64140	64690	64800	66550	94490	94950	95070	92160	79480	57950	2000
30	68090	63700	65340	64900		94950	96510	95430	89710	79710	55260	- 900
31	68090		66110	65010		94840		95510		79140	52250	

Mean												
Acre-Feet												

Year or Period

Mean

Acre-Feet

Daily discharge, in second-feet, of NORTH SIDE MINIDOKA CANAL near MINIDOKA, IDAHO *for the year ending September 30, 19* 16

Plate No 34

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	604	397	308				0	879	1560	1590	1400	1160
2	390	395	116				0	997	1530	1600	1430	1160
3	392	394	0				0	1080	1500	1590	1430	1140
4	394	390	0				0	1190	1420	1580	1470	950
5	397	388	0				0	1260	1340	1580	1530	741
6	397	387	0				0	1380	1290	1590	1560	677
7	399	383	0				0	1480	1240	1590	1560	555
8	399	382	0				0	1550	1240	1590	1560	549
9	400	378	0				0	1580	1240	1590	1550	551
10	404	378	0				86	1580	1240	1600	1560	545
11	404	382	0				161	1580	1310	1600	1570	540
12	404	383	0				258	1580	1430	1610	1570	547
13	404	385	0				370	1580	1480	1630	1560	479
14	406	387	0				413	1580	1510	1640	1560	375
15	404	390	0				411	1570	1510	1640	1550	375
16	406	390	0				413	1620	1520	1640	1550	373
17	404	388	0				409	1650	1550	1590	1560	376
18	400	387	0				409	1650	1570	1590	1560	376
19	400	383	0				413	1650	1570	1590	1540	390
20	399	382	0				472	1650	1570	1560	1470	390
21	399	336	0				517	1650	1590	1540	1440	383
22	399	304	0				581	1650	1580	1510	1440	392
23	397	305	0				687	1650	1580	1480	1440	380
24	395	305	0				791	1650	1590	1470	1400	373
25	394	305	0				831	1650	1590	1420	1340	365
26	394	305	0				833	1650	1590	1380	1310	357
27	394	305	0				833	1650	1590	1350	1240	352
28	394	306	0				833	1650	1580	1320	1180	350
29	395	308	0				833	1650	1580	1310	1180	339
30	397	308	0				835	1660	1570	1360	1170	323
31	397		0					1620		1380	1160	
Mean	405	361	13.7	0	0	0	380	1523	1482	1533	1446	529
Acre-Feet	24,920	21,450	841	0	0	0	22,590	93,650	88,190	94,230	88,940	31,460

Year Mean 642

Acre-Feet 466,271

Daily discharge, in second-feet, of SOUTH SIDE MINIDOKA CANAL near MINIDOKA, IDAHO for the year ending September 30, 1930.

Plate No. 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	515	220					0	428	1210	1250	1210	676
2	217	239					0	361	1160	1280	1260	795
3	217	90					0	428	1060	1270	1270	715
4	199	0					0	547	1080	1280	1240	463
5	196	0					0	581	1060	1300	1260	262
6	196	0					0	725	916	1320	1270	320
7	196	0					0	928	913	1300	1250	283
8	196	0					0	1140	925	1330	1260	306
9	198	0					0	1280	901	1350	1290	228
10	199	0					0	1330	998	1350	1290	236
11	198	0					0	1310	1060	1350	1270	536
12	196	0					63	1320	1160	1340	1260	704
13	196	0					188	1310	1280	1330	1270	567
14	196	0					192	1280	1310	1330	1260	255
15	194	0					192	1260	1240	1330	1260	218
16	194	0					192	1280	1150	1330	1280	193
17	194	0					190	1290	1080	1290	1250	204
18	194	0					242	1290	1140	1290	1240	273
19	194	0					281	1270	1170	1300	1260	255
20	194	0					288	1280	1220	1260	1250	174
21	220	0					281	1280	1220	1220	1250	193
22	239	0					281	1280	1190	1220	1220	198
23	236	0					281	1300	1190	1270	1180	188
24	237	0					281	1320	1210	1290	1000	182
25	237	0					438	1320	1240	1290	812	177
26	236	0					538	1300	1210	1290	712	170
27	218	0					540	1300	1250	1290	768	157
28	204	0					543	1310	1270	1250	768	134
29	204	0					545	1270	1250	1180	795	108
30	199	0					538	1220	1230	1150	807	130
31	199							1200		1170	771	
Mean	216	18.3	0	0	0	0	203	1121	1143	1282	1138	310
Acre-Feet	13,300	1,090	0	0	0	0	12,090	68,900	68,020	78,820	69,980	18,450

Year Mean 455

Acre-Feet 330,650

Daily discharge, in second-feet, of SNAKE RIVER near MINIDOKA, IDAHO for the year ending September 30, 1930

Plate No. 36

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2520	567	1160	1300	921	1090	963	6220	7980	8230	8170	7310
2	2330	947	1430	1200	949	1080	1140	6270	7980	8200	8420	6900
3	1950	1090	1570	1170	978	1060	1240	6190	8060	8230	8360	6820
4	1680	1120	1600	1190	970	1090	1440	5940	8090	8280	8280	6530
5	1430	1100	1580	1220	907	1180	1830	5760	8010	8310	8120	6160
6	1240	1150	1410	1300	1040	1110	1620	5980	7740	8360	8060	5860
7	1080	1410	1430	1370	1240	935	1660	6400	7880	8420	8060	5580
8	963	1890	1410	1220	1190	787	1660	6770	7900	8420	8040	5660
9	894	2120	1400	1360	1170	775	1680	7150	7660	8390	8120	5780
10	829	1930	1430	1340	1200	775	1660	7420	7580	8390	8250	5940
11	775	1950	1460	1290	1250	727	1710	7580	7520	8580	8200	5760
12	682	1710	1520	1180	1250	769	1600	7820	7660	8420	8090	5320
13	682	1690	1500	1300	1270	793	1580	7740	7930	8470	8150	5130
14	671	1370	1410	1250	1320	811	1790	7520	8060	8550	8170	5220
15	660	1220	1350	1180	1400	880	2040	7390	8150	8470	8230	4800
16	660	1290	1270	1180	1440	970	4950	7660	8150	8340	8170	5080
17	698	1820	1270	1180	1420	1110	5180	7770	7900	8250	8060	5010
18	835	1760	1250	1210	1380	1100	4620	7820	7800	8170	7820	4710
19	887	1690	1440	1260	1350	1090	5420	7980	7770	8150	7770	4360
20	894	1630	1270	1310	1320	1110	5810	8060	8120	8150	7610	3220
21	887	1490	1230	1210	1310	1220	6580	8060	7880	8170	7520	2450
22	874	1120	1270	1350	1300	1020	6660	8010	8150	8120	7520	2200
23	848	1030	1330	1440	1300	848	6720	8120	8200	8120	7550	2200
24	874	907	1260	1370	1280	799	6690	7900	8310	8090	7520	2170
25	1040	787	1190	1320	1270	745	6370	7980	8580	8010	7500	1960
26	1120	751	1190	1160	1330	763	6190	8060	8720	8010	7170	2310
27	1120	745	1210	1230	1410	775	6550	8010	8670	8010	7040	2700
28	1140	848	1350	1190	1400	763	7420	7960	8500	7980	7340	2570
29	713	1020	1540	1140	1240	757	7530	7960	8120	7980	7550	1760
30	573	1050	1510	1110		757	6370	7930	8230	7980	7610	1510
31	567		1370	1030		861		8010		8120	7500	
Mean	1036	1307	1375	1214	1235	921	3889	7401	8043	8238	7870	4433
Acre-Feet	63,700	77,760	84,520	76,480	71,020	56,630	231,400	455,100	478,600	506,500	483,900	263,800

Year Mean 3925

Acre-Feet 2,849,410

Daily [illegible] in thousand feet, of MILNER LAKE at MILNER, IDAHO

for the year ending September 30, 1940

Plate No. 32

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10.80	8.38	7.14	7.70	8.50	7.46	7.86	10.88	10.78	10.60	10.77	10.91
2	10.93	8.42	6.98	7.70	8.39	7.50	7.58	10.88	10.80	10.74	10.76	10.90
3	10.94	8.31	7.10	7.52	8.31	7.58	8.38	10.86	10.80	10.71	10.86	10.92
4	10.78	8.28	7.24	7.64	8.26	7.70	8.76	10.49	10.82	10.74	10.82	10.72
5	10.80	8.18	7.41	7.30	8.17	7.23	9.02	10.76	10.90	10.80	10.87	10.86
6	10.84	8.08	7.48	7.40	7.90	7.78	9.32	10.63	11.04	10.80	10.84	10.77
7	10.64	7.98	7.48	7.52	7.80	7.89	9.56	10.65	10.82	10.88	10.82	10.68
8	10.53	7.84	7.44	7.50	7.58	7.64	9.75	10.65	10.73	10.96	10.82	10.48
9	10.39	7.87	7.42	7.60	7.52	7.78	9.76	10.74	10.98	10.88	10.78	10.39
10	10.20	8.50	7.45	7.68	6.97	7.52	10.05	10.78	10.94	10.89	10.84	10.42
11	10.09	8.90	7.00	7.76	7.22	7.39	10.43	10.82	10.84	10.97	10.86	10.47
12	9.94	9.26	7.40	7.58	7.24	7.18	10.58	10.82	10.70	10.97	10.88	10.56
13	9.76	9.45	7.42	7.16	7.17	7.16	10.62	10.82	10.59	10.86	10.78	10.60
14	9.54	9.66	7.46	7.35	7.06	7.06	10.58	10.91	10.58	10.94	10.77	10.78
15	9.30	9.68	7.51	7.42	6.82	6.96	10.64	10.80	10.74	10.98	10.74	10.74
16	9.12	9.66	7.50	7.38	7.00	6.76	10.84	10.59	10.89	11.00	10.81	10.70
17	8.90	9.76	7.40	7.40	7.04	6.69	10.83	10.63	10.98	10.99	10.83	10.70
18	8.62	9.78	7.56	7.26	6.83	6.78	10.80	10.64	11.04	10.94	10.90	10.68
19	8.52	9.78	7.63	7.10	6.89	6.84	10.87	10.54	11.00	10.86	11.00	10.86
20	8.36	9.74	7.42	7.18	6.94	6.80	10.66	10.60	10.70	10.82	10.96	10.90
21	8.34	9.65	7.48	7.41	7.04	6.94	10.68	10.76	10.79	10.85	10.92	10.87
22	8.30	9.44	7.49	7.52	6.93	7.06	10.82	10.84	10.54	10.85	10.84	10.79
23	8.22	9.34	7.42	7.66	6.92	7.12	10.86	10.86	10.73	10.88	10.81	10.66
24	8.08	9.20	7.22	7.90	6.95	7.24	10.91	10.88	10.71	10.94	10.88	10.61
25	7.83	8.90	7.26	8.02	6.92	7.26	10.90	10.78	10.76	10.96	10.92	10.42
26	7.86	8.60	7.18	8.18	6.95	7.16	10.90	10.75	10.72	11.02	10.98	10.28
27	7.97	8.25	7.18	8.30	7.05	7.05	10.72	10.84	10.74	10.89	10.82	10.20
28	7.94	7.91	7.03	8.48	7.08	7.33	10.88	10.96	10.98	10.88	10.50	10.34
29	8.10	7.60	7.07	8.61	6.75	7.46	10.84	10.94	10.93	10.84	10.60	10.46
30	8.33	7.34	7.38	8.60		7.62	10.86	10.94	10.66	10.82	10.72	10.59
31	8.39		7.62	8.58		7.72		10.84		10.76	10.84	

Year Acre-Feet												

S. A. GIESECKER [illegible] 6—7156

Year or Period

Mean

Acre-Feet

Daily discharge, in second-feet, of P. A. LATERAL near KILGORE, IDAHO

(For the year ending September 30, 19[illegible])

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0						30	60	60	60	59
2		0						30	60	60	60	59
3		0						42	60	60	60	59
4		0						52	60	60	60	59
5		0						56	60	60	60	59
6		0						60	60	60	60	57
7		0						60	60	60	60	56
8		0						60	60	60	60	56
9		0						60	60	60	60	56
10		0						60	60	60	59	56
11		0						58	60	60	59	56
12		0						60	60	60	59	56
13		0						60	60	60	59	52
14		0						60	60	60	59	46
15		14						60	60	60	59	46
16		14						60	60	60	59	46
17		0						60	60	60	59	46
18		0						60	60	60	59	46
19		0						60	60	60	59	40
20		0						60	60	60	59	31
21		0						60	60	60	59	31
22		0						60	60	60	59	31
23		0						60	60	60	59	31
24		0						60	60	60	59	31
25		0						60	60	60	59	31
26		0						60	60	60	59	31
27		0						60	60	60	59	31
28		0						60	60	60	59	31
29		0						60	60	60	59	8
30		0						60	60	60	59	
31								60		60	59	
Year	0	9.3	0	0	0	0	1.57	57.0	60.0	60.0	59.3	43.2
Acre-Feet	0	56	0	0	0	0	93	3510	3570	3690	3650	2570

U. S. GOVERNMENT PRINTING OFFICE 5—1338

Year Mean 23.6

Acre-Feet 17,139

Daily discharge, in second-feet, of MILNER LOW LIFT CANAL near MILNER, IDAHO for the year ending September 30, 1940

Plate No. 39

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							0	100	168	166	173	165
2							0	115	168	166	173	165
3							0	120	168	166	173	165
4							0	144	168	166	173	120
5							0	150	168	167	173	120
6							0	151	168	168	173	120
7							0	153	170	168	173	118
8							0	154	163	168	173	100
9							0	160	157	168	173	101
10							0	169	157	168	173	101
11							0	169	157	168	173	101
12							0	168	156	168	172	100
13							0	168	155	168	171	100
14							0	169	161	167	170	100
15							0	169	169	168	168	100
16							0	170	169	168	168	100
17							0	169	169	168	168	100
18							0	169	169	168	168	100
19							0	170	169	168	167	78
20							0	170	169	169	167	51
21							0	170	169	169	168	51
22							0	170	168	168	166	51
23							0	170	168	169	162	51
24							0	170	168	170	162	51
25							0	156	168	170	165	51
26							0	169	168	170	165	51
27							12	168	168	172	165	51
28							36	168	168	172	165	51
29							44	168	168	173	165	15
30							69	168	168	173	165	
31								166		173	165	
Mean	0	0	0	0	0	0	5.37	160	166	169	169	87.6
Acre-Feet	0	0	0	0	0	0	319	9,820	9,880	10,370	10,380	5210

Year Mean 63.3

Acre-Feet 45,979

Daily discharge, in second-feet, of GOODING PROJECT IN GOODING CANAL near WILSON, IDAHO for the year ending September 30, 19 36

Plate No. 6

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0					0	850	1250	1470	1460	1320
2		0					0	850	1260	1460	1460	1300
3		0					0	950	1260	1460	1460	1290
4		0					0	1000	1260	1460	1460	1280
5		0					0	1020	1270	1460	1370	1280
6		0					0	1040	1270	1460	1330	1260
7		0					0	1030	1310	1460	1330	1250
8		0					0	1030	1390	1460	1320	1240
9		0					0	1100	1410	1460	1310	1220
10		0					0	1140	1400	1460	1310	1220
11		0					0	1140	1400	1460	1330	1220
12		0					0	1170	1400	1460	1320	1220
13		0					0	1200	1400	1470	1310	1070
14		0					0	1200	1410	1490	1310	1000
15		0					0	1200	1410	1500	1300	1000
16		0					0	1190	1400	1500	1310	970
17		280					160	1200	1400	1500	1340	930
18		560					455	1200	1400	1500	1350	930
19		560					480	1200	1390	1500	1350	910
20		560					555	1200	1390	1500	1340	860
21		560					625	1200	1390	1500	1340	830
22		370					625	1200	1390	1500	1340	770
23		0					625	1230	1410	1500	1340	750
24		0					720	1250	1430	1500	1340	760
25		0					810	1250	1430	1500	1330	750
26		0					850	1250	1450	1500	1330	680
27		0					850	1260	1480	1490	1330	680
28		0					850	1260	1480	1480	1330	680
29		0					850	1260	1480	1480	1320	170
30		0					850	1260		1470	1320	
31										1460		
Mean		96.3					310	1148	1383	1480	1345	961
Acre-Feet	0	5730	0	0	0	0	18,460	70,590	82,310	90,980	82,730	57,200

Year or Period: Mean 562 Acre-Feet 408,000

U. S. GOVERNMENT PRINTING OFFICE 6—7149

Daily discharge, in second-feet, of NORTH SIDE CANAL PROJECT at DIVERSION DAM, NEAR KING HILL, IDAHO

For the year ending September 30, 1943

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	670							0	650	730	890	870
2	720							0	660	740	900	870
3	720							0	650	740	900	860
4	680							120	650	740	890	850
5	690							240	650	730	910	850
6	680							440	650	770	910	860
7	680							540	660	780	910	860
8	680							550	670	790	900	840
9	680							550	660	790	900	840
10	680							620	650	780	910	840
11	680							660	650	850	910	840
12	670							650	650	880	910	840
13	670							650	650	880	900	840
14	640							640	650	890	900	840
15	640							650	650	910	900	840
16	630							650	650	910	900	830
17	240							640	650	910	910	840
18	0							650	660	910	910	820
19	0							650	660	910	920	830
20	0							650	650	910	900	830
21	0							650	650	910	910	1000
22	0							650	650	890	900	950
23	0							650	710	900	900	910
24	0							650	740	890	890	890
25	0							650	740	900	890	890
26	0							650	740	900	870	890
27	0							650	750	900	870	890
28	0							650	750	900	880	890
29	0							650	740	900	870	890
30	0							660	740	900	870	880
31	0							650		880	860	
Mean	356	0	0	0	0	0	0	539	676	852	896	866
Acre-Feet	21,920	0	0	0	0	0	0	33,140	40,220	52,400	55,120	51,510

U. S. GOVERNMENT PRINTING OFFICE 6—7149

YEAR PERIOD — MEAN 350 — ACRE-FEET 254,300

Daily discharge, in second-feet, of NORTH SIDE TWIN FALLS CANAL at MILNER, IDAHO, for the year ending September 30, 1920.

Plate No. 9

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	572	543	454	403	394	0	1960	2460	2530	2370	1600
2	0	572	537	478	400	388	0	2070	2470	2500	2450	1540
3	0	569	531	466	400	391	0	2210	2460	2560	2550	1470
4	0	566	531	451	400	397	0	2130	2480	2550	2500	1360
5	0	536	534	439	400	385	407	2090	2480	2530	2470	1290
6	0	327	534	460	394	379	588	1880	2480	2510	2460	1280
7	0	768	531	469	394	257	512	1870	2450	2490	2460	1260
8	0	875	531	469	406	265	525	1970	2470	2500	2460	1250
9	0	886	531	460	409	285	537	2070	2440	2510	2450	1260
10	0	774	572	457	394	290	582	2120	2470	2510	2520	1290
11	0	658	598	475	412	340	637	2180	2460	2520	2580	1290
12	0	621	624	472	430	296	728	2230	2450	2520	2540	1260
13	0	634	569	457	448	263	778	2250	2460	2520	2530	1220
14	0	611	490	460	445	260	817	2230	2470	2530	2530	1180
15	0	572	484	460	439	310	864	2210	2490	2540	2510	1140
16	0	553	481	460	445	394	938	2260	2570	2530	2500	1140
17	334	553	481	448	445	412	1160	2410	2590	2510	2420	1110
18	575	553	487	430	436	382	1530	2450	2510	2460	2090	1040
19	601	556	494	427	436	340	1530	2450	2510	2450	2070	1030
20	601	572	534	427	439	376	1420	2480	2560	2440	2000	502
21	604	556	563	427	442	424	1530	2490	2600	2420	1960	117
22	604	540	559	427	442	406	1620	2480	2590	2410	1850	0
23	595	534	563	427	436	367	1600	2480	2620	2410	1730	0
24	585	522	553	420	436	370	1710	2450	2610	2410	1730	0
25	585	509	550	409	436	370	1700	2390	2610	2450	1740	0
26	588	509	518	412	427	370	1640	2390	2600	2460	1720	0
27	582	528	484	403	424	385	1730	2350	2600	2460	1660	0
28	575	550	454	397	421	415	1810	2400	2600	2430	1670	0
29	572	563	448	400	409	412	1880	2480	2570	2390	1720	0
30	572	556	436	403		124	1940	2470	2580	2370	1690	0
31	572		430	403				2470		2370	1660	
Mean	276	590	522	440	422	337	1024	2270	2524	2477	2180	821
Acre-Feet	16,950	35,100	32,080	27,070	24,290	20,720	60,920	139,600	150,200	152,300	134,100	48,858

U. S. GOVERNMENT PRINTING OFFICE 6—7149

Year [illegible] Mean 1160

Acre-Feet 842,180

Daily discharge, in second-feet, of [illegible] South Side Irr. Dist. near [illegible]

Sheet No. 4

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1790	35	656	601	535	520	595	2150	3390	3530	3590	3380
2	1790	336	640	601	538	520	607	2190	3400	3550	3590	3380
3	1650	643	634	601	529	520	598	2320	3390	3540	3570	3340
4	1430	688	634	601	518	520	598	2450	3380	3540	3560	3240
5	1210	809	631	601	518	526	604	2500	3340	3540	3550	3080
6	1150	865	631	601	520	520	601	2590	3250	3520	3560	2840
7	1030	768	628	601	523	523	601	2780	3240	3520	3570	2720
8	968	700	610	601	520	523	598	2900	3230	3550	3580	2720
9	869	662	601	595	526	520	640	3030	3220	3550	3590	2680
10	835	595	604	595	529	526	665	3180	3170	3540	3590	2590
11	755	583	610	589	523	523	716	3330	3180	3600	3590	2550
12	713	583	601	585	518	523	825	3380	3200	3570	3590	2460
13	707	586	610	580	518	529	947	3320	3270	3570	3590	2360
14	707	580	607	580	526	529	1080	3320	3340	3560	3600	2250
15	710	580	604	580	526	526	1150	3320	3450	3570	3610	2210
16	710	580	604	550	520	529	1170	3320	3390	3570	3610	2220
17	716	583	604	529	523	529	1250	3320	3340	3570	3610	2090
18	707	583	595	529	526	529	1310	3320	3380	3590	3630	1960
19	707	583	592	529	523	529	1330	3320	3380	3620	3630	1800
20	668	580	604	530	518	532	1420	3360	3380	3620	3630	1660
21	643	580	601	530	518	529	1400	3360	3410	3630	3610	1330
22	646	634	598	530	520	529	1480	3360	3420	3630	3600	1250
23	646	656	598	530	520	529	1680	3360	3470	3600	3600	1240
24	643	656	601	530	520	529	1830	3360	3500	3610	3590	1240
25	646	656	598	532	518	529	1950	3370	3490	3600	3560	1250
26	646	649	601	532	520	529	1990	3380	3550	3600	3530	1210
27	643	649	601	532	523	447	1560	3380	3590	3610	3530	1200
28	646	652	592	532	529	270	2000	3380	3570	3610	3530	1170
29	340	652	598	532	529	379	1990	3370	3540	3610	3540	1130
30	35	656	604	535		586	2040	3370	3520	3600	3480	1100
31	35		607	535		586		3390		3600	3440	
Mean	819	612	610	562	523	514	1174	3112	3379	3578	3576	2122
Acre-Feet	50,360	36,420	37,490	34,570	30,100	31,610	69,870	191,400	201,100	220,000	219,900	126,200

U. S. GOVERNMENT PRINTING OFFICE 7-13

Year or Period: Mean 1720

Acre-Feet 1,249,020

Daily discharge, in second-feet, of SNAKE RIVER AT MINIDOKA, IDAHO.

Plate No. 44

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	322	392	472	423	374	260	255	1690	9	9	10	214
2	325	392	480	426	348	265	255	1250	9	9	10	214
3	325	392	476	420	348	265	260	612	9	9	11	212
4	322	392	472	472	348	263	252	182	9	9	11	212
5	322	395	476	492	404	260	255	34	9	9	11	212
6	322	395	476	472	650	271	258	25	12	9	11	212
7	322	426	472	468	640	276	258	17	11	9	10	214
8	322	453	476	468	645	278	255	16	8	10	10	212
9	314	453	476	468	640	276	252	15	9	9	10	212
10	319	460	476	468	558	268	207	13	9	9	10	212
11	322	457	464	472	572	268	31	11	8	10	10	212
12	322	453	476	446	645	268	31	11	8	12	11	212
13	322	453	468	426	640	268	30	10	8	10	11	212
14	322	453	453	426	640	268	29	11	8	10	11	209
15	322	453	453	420	645	268	66	9	8	12	11	201
16	325	453	392	420	650	273	2400	9	8	15	11	199
17	325	453	356	423	645	278	3400	9	10	15	12	199
18	325	453	359	417	626	278	1520	9	10	12	12	203
19	328	453	362	417	621	278	2430	9	11	11	14	207
20	328	453	359	420	549	278	2070	9	8	9	15	199
21	330	453	365	423	516	278	3430	9	8	9	20	201
22	328	450	429	426	516	205	3230	9	8	9	14	196
23	325	450	429	426	516	8	2900	9	8	9	212	196
24	325	450	401	420	480	5	2670	9	8	10	216	194
25	374	457	333	426	453	4	2490	9	8	10	216	201
26	395	457	336	426	453	5	2260	9	8	10	216	203
27	398	450	371	417	453	5	2490	9	8	10	214	235
28	392	460	426	417	450	11	2550	9	10	10	221	255
29	392	476	423	423	398	5	2870	9	9	10	218	255
30	392	476	429	423		26	2550	10	8	10	216	255
31	392		426	423		190		9		10	216	
Mean	339	442	428	436	532	198	1398	131	8.8	10.1	71.0	212
Acre-Feet	20,820	26,310	26,300	26,800	30,590	12,200	83,190	8,030	524	623	4,370	12,630

Year — Mean 348

Acre-Feet 252,387

Plate No 45

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1											54,120	
2										67,852	53,418	
3								62,123			52,598	
4							-				52,247	
5											51,077	
6											50,023	
7											49,321	
8											48,626	
9											47,824	
10											47,136	
11										67,357	46,448	35,551
12										67,357	45,645	35,661
13										67,233	45,187	
14											43,926	35,770
15								62,730			43,353	
16											42,453	
17							60,667				41,893	
18										63,581	41,108	
19										63,095	40,548	
20										62,366	39,763	
21										61,637	39,651	
22										60,786	38,642	
23									67,852	60,190	37,969	
24	49,087						61,394	63,459		59,474	37,523	36,428
25										58,757	37,414	
26										58,043	36,866	
27										57,327		
28										56,850		
29										56,253	36,318	
30										55,418		
31								64,553		54,941		

Year												
Acre-Feet												

6—7139

Year or Period

Mean

Acre-Feet

Daily discharge, in second-feet, of [illegible] FOUR BEAR LAKE, IDAHO

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1										7	371	48
2										15	369	48
3								4		15	367	48
4										15	363	48
5										15	361	48
6										15	357	110
7										15	355	8
8										15	353	8
9										15	349	8
10										15	347	8
11										17	345	8
12										20	343	8
13										197	341	8
14										326	339	8
15										324	338	6
16										324	336	5
17							8			323	334	5
18										323	332	4
19										330	330	3
20										336	326	2
21										336	326	2
22										336	263	2
23										336	224	2
24	8									336	214	2
25										336	212	2
26									7	334	211	2
27										332	110	2
28										330	51	2
29										328	44	2
30										343	48	2
31								6		365	48	

Mean	Est. 12	Est. 8	Est. 8	Est. 8	Est. 8	Est. 8	Est. 8	Est. 5	Est. 7	206	281	15.3
Acre-Feet	738	476	492	492	460	492	476	307	417	12,640	17,270	910

Year or Season: Mean 48.5; Acre-Feet 35,170

Daily discharge, in second-feet, of [illegible] for the year [illegible]

Plate No. 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	299	295	268	264	257	268	307	446	331	283	566	29
2	311	295	268	264	260	268	307	464	327	295	571	29
3	307	295	268	264	264	264	303	478	331	287	571	29
4	299	295	268	264	264	264	299	473	339	283	571	29
5	291	291	268	264	264	268	311	446	335	283	571	29
6	307	291	268	264	264	268	311	428	331	283	571	295
7	303	291	268	264	264	264	315	406	343	283	566	291
8	299	291	268	268	260	272	331	402	406	276	566	264
9	291	291	272	268	260	264	343	402	406	272	566	264
10	287	287	276	264	264	264	340	402	356	272	566	264
11	287	283	272	257	264	260	337	410	335	268	555	264
12	287	283	264	257	260	260	334	419	327	272	555	264
13	287	283	264	257	260	257	331	450	319	279	555	268
14	287	283	264	253	264	260	364	428	311	446	555	268
15	287	283	264	253	264	260	376	410	299	526	555	268
16	287	279	264	253	257	264	348	402	299	535	555	268
17	287	279	264	253	264	272	348	393	295	540	555	268
18	287	279	264	249	264	268	385	381	291	540	550	272
19	287	279	264	249	260	268	478	368	291	535	555	272
20	283	276	264	246	260	272	643	364	291	535	561	272
21	283	272	264	246	260	264	649	356	287	540	561	268
22	283	268	264	246	268	260	626	348	287	540	561	264
23	283	272	264	246	268	264	773	343	287	540	506	260
24	291	276	264	246	264	264	766	343	287	540	455	260
25	295	276	264	246	264	268	696	352	283	545	446	260
26	291	272	264	246	264	279	766	381	283	545	442	253
27	287	272	264	249	268	303	720	381	283	550	437	257
28	287	272	264	253	268	304	620	364	283	550	360	272
29	287	268	264	257	268	304	545	356	283	545	310	276
30	287	268	264	260		305	483	348	283	540	295	272
31	287		264	260		306		343		545	295	

Mean	291	282	266	256	263	272	458	396	314	428	513	273
Acre-Feet	17,890	16,750	16,350	15,730	15,130	16,710	27,280	24,370	18,660	26,330	31,550	16,230

U. S. GOVERNMENT PRINTING OFFICE 6—7142

Year [illegible] Mean 335

Acre-Feet 242,980

Daily Storage in Acre-Feet of ISLAND PARK RESERVOIR

For the year ending September 30, 1921

Plate No. 4

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	52,685	52,605	63,760	84,960	105,705	110,370	125,710	134,960	133,430	121,270	71,275	35,08
2	52,845	52,605	64,530	85,810	106,335	110,230	126,640	134,720	133,270	120,590	69,910	33,71
3	52,965	52,605	65,065	86,545	107,105	110,230	127,345	134,555	133,270	119,610	68,615	32,44
4	53,165	52,605	65,600	87,285	107,810	110,230	128,045	134,395	133,270	118,040	67,340	31,20
5	53,085	52,605	66,145	88,030	108,375	110,230	128,750	134,475	133,270	116,630	65,850	29,920
6	53,165	52,645	66,740	88,780	108,945	110,800	129,380	134,315	133,350	115,595	64,770	28,675
7	53,365	52,605	67,390	89,470	109,585	111,160	129,930	134,235	133,350	114,280	63,470	27,400
8	53,325	52,605	68,105	90,100	109,655	111,810	130,405	134,075	133,830	112,890	62,385	26,170
9	53,085	52,605	68,665	90,920	109,655	112,385	130,880	134,075	133,590	111,665	61,085	24,845
10	52,925	52,605	69,285	91,745	109,655	112,965	131,195	134,075	133,590	110,370	69,900	23,595
11	52,765	52,605	69,960	92,450	109,800	113,255	131,355	133,990	133,430	108,520	58,695	22,500
12	52,685	52,525	70,640	93,225	109,870	113,695	131,435	134,315	133,190	106,825	57,510	21,385
13	52,685	52,445	71,330	93,935	109,655	113,985	131,590	134,640	133,110	104,870	56,225	20,605
14	52,725	52,525	72,020	94,455	109,725	114,350	131,830	134,800	132,950	103,075	55,005	19,930
15	52,685	52,605	72,665	95,040	109,725	114,715	131,990	135,045	132,790	101,030	53,770	19,250
16	52,605	53,165	73,425	95,630	109,725	115,080	132,310	135,205	132,630	99,280	52,565	18,590
17	52,645	53,815	74,080	96,355	109,725	115,520	132,230	135,205	132,470	97,280	52,645	17,930
18	52,645	54,470	74,795	97,015	109,725	115,890	132,390	135,205	132,390	94,715	52,285	17,300
19	52,605	55,130	75,130	97,610	109,655	116,110	132,630	135,045	132,150	92,645	51,075	17,205
20	52,645	55,845	75,855	98,205	109,655	116,480	133,110	135,045	132,070	90,290	49,775	17,245
21	52,685	56,565	76,975	98,945	109,585	116,925	133,910	134,720	131,990	88,465	48,510	17,195
22	52,685	57,250	77,545	99,615	109,655	117,445	134,075	134,555	131,910	86,790	47,385	17,140
23	52,725	57,900	78,115	100,085	109,725	118,115	134,555	134,395	131,115	85,200	46,250	17,090
24	52,725	58,605	79,150	100,625	109,725	118,860	135,045	134,315	130,405	83,690	45,075	17,025
25	52,765	59,360	79,730	101,300	109,725	119,460	135,045	134,235	129,300	82,080	43,930	16,945
26	52,765	59,990	80,665	101,980	109,725	120,140	135,530	134,155	127,735	80,545	42,845	16,895
27	52,765	60,625	81,370	102,665	109,940	121,500	135,770	133,990	126,485	79,210	41,760	16,855
28	52,685	61,360	82,080	103,350	110.085	122,335	135,690	133,910	125,245	77,545	40,555	16,945
29	52,525	62,105	82,675	103,970	110,230	123,095	135,855	133,830	124,010	75,855	39,230	16,975
30	52,445	62,805	83,450	104,455		123,860	135,365	133,670	122,640	73,970	37,815	17,050
31	52,565		84,115	104,870		125,010		133,590		72,555	36,475	

Mean Acre-Feet												

U. S. GOVERNMENT PRINTING OFFICE 6—7113

Year or Period _____ Mean _____ Acre-Feet _____

Daily discharge, in second-feet, of HENRYS FORK RIVER NEAR REXBURG, IDAHO, for [illegible]

Yield No. 10

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	452	424	28	6	7	345	10	840	566	1020	1400	1190
2	452	424	29	6	7	345	10	786	555	1010	1400	1190
3	465	424	29	6	7	345	24	766	564	1010	1400	1180
4	494	424	29	6	72	345	63	776	574	1010	1380	1180
5	498	424	30	6	126	275	88	732	583	1010	1380	1170
6	498	424	30	6	126	55	110	718	592	1010	1370	1170
7	522	424	30	6	213	194	137	708	597	1000	1360	1170
8	536	424	30	6	345	194	169	683	679	1000	1360	1160
9	536	424	30	6	345	183	213	674	635	1000	1360	1160
10	536	424	27	6	345	166	243	679	621	1190	1360	1090
11	480	424	27	6	345	153	267	688	597	1250	1360	1060
12	498	411	27	6	345	140	287	732	583	1350	1360	978
13	447	398	27	6	345	140	312	786	564	1410	1360	878
14	447	393	27	6	345	140	346	830	550	1630	1360	861
15	447	219	27	6	345	140	393	850	531	1740	1360	861
16	438	54	27	6	345	140	420	850	512	1730	1100	861
17	434	54	27	6	345	140	434	835	494	1850	456	861
18	434	56	27	7	345	140	452	825	475	1900	1350	626
19	424	45	27	7	345	140	494	811	456	1880	1350	498
20	416	37	21	7	345	140	574	766	447	1710	1340	498
21	416	37	6	7	345	80	674	752	434	1550	1330	503
22	420	37	6	7	345	9	708	742	545	1460	1320	498
23	420	40	6	7	345	9	796	722	732	1460	1320	484
24	424	32	6	7	345	10	865	703	978	1460	1230	470
25	438	28	6	7	345	10	885	683	1070	1460	1210	470
26	452	28	6	7	345	10	958	674	1020	1460	1210	461
27	461	28	6	7	345	10	973	659	1010	1540	1210	452
28	461	27	6	7	345	10	952	645	1030	1650	1210	452
29	452	27	6	7	345	10	952	635	1030	1640	1200	452
30	434	27	6	7		10	895	626	1020	1590	1190	452
31	424		6	7		10		611		1390	1190	
Mean	460	221	20.1	6.45	281	130	457	735	668	1399	1283	811
Acre-Feet	28,280	13,170	1,230	397	16,160	8,010	27,180	45,200	39,760	86,020	78,910	48,270

U. S. GOVERNMENT PRINTING OFFICE 6-7149

YEAR
Mean 541
Acre-Feet 392,587

Daily discharge, in second-feet, of BUFFALO RIVER AT MOUTH NEAR TENNESSEE, 1938

Plate No. 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	182	185	177	189	196	192	212	250	208	198	189	174
2	185	185	180	189	197	192	208	250	212	205	189	174
3	185	185	182	189	198	192	208	265	208	205	189	174
4	182	185	182	189	197	195	208	291	212	202	189	172
5	182	182	182	189	196	195	215	284	208	202	189	174
6	185	182	182	189	195	195	220	265	220	202	185	174
7	182	182	182	190	194	198	225	255	215	198	185	174
8	182	182	182	190	193	198	230	255	240	202	182	172
9	182	182	185	190	192	195	235	260	212	202	182	174
10	182	180	185	192	198	195	230	265	202	202	180	174
11	182	180	185	192	196	195	225	265	198	202	180	172
12	185	180	182	195	194	195	225	265	202	202	180	172
13	185	180	182	195	192	195	230	260	202	208	180	174
14	189	180	182	194	190	195	255	255	215	205	180	174
15	189	177	185	193	188	195	250	245	215	202	180	174
16	189	177	189	192	186	195	240	245	198	202	177	174
17	189	177	185	192	185	195	265	245	205	202	177	174
18	192	174	185	192	187	195	345	235	208	198	177	174
19	189	172	182	192	189	195	398	225	205	198	177	177
20	189	172	182	192	191	195	375	230	205	198	174	177
21	185	172	182	192	192	195	310	230	205	195	172	177
22	185	172	182	192	193	195	260	220	208	198	174	177
23	185	172	182	192	194	195	278	220	202	195	174	177
24	185	172	182	192	195	195	260	225	198	195	177	177
25	185	174	182	192	195	195	278	212	198	192	177	177
26	185	174	182	192	195	202	298	215	195	192	177	177
27	189	174	182	192	195	212	291	212	192	192	177	177
28	192	177	182	192	192	208	278	208	192	192	177	180
29	192	177	189	194	192	208	291	212	195	195	174	174
30	192	177	189	195		208	260	208	195	192	174	177
31	192		189	195		212		208		192	174	
Mean	186	178	183	192	193	197	260	241	206	199	180	175
Acre-Feet	11,450	10,590	11,270	11,790	11,100	12,140	15,480	14,840	12,240	12,230	11,040	10,410

Year 1938 Mean 199

Acre-Feet 144,580

Daily discharge, in second-feet, of [illegible] near [illegible] for the year ending [illegible]

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	690	638	220		221	558	252	1180	819	1290	1660	1440
2	690	638	220		222	558	252	1130	799	1290	1650	1440
3	715	638	220		223	558	252	1120	799	1290	1640	1430
4	741	647	220		289	558	280	1130	809	1290	1620	1430
5	750	647	220		343	516	331	1080	819	1290	1620	1420
6	759	647	220		342	254	381	1040	829	1290	1610	1420
7	777	647	220		428	427	420	1020	839	1280	1610	1420
8	777	647	220		559	420	476	1000	940	1280	1600	1420
9	768	647	220		558	400	540	982	869	1280	1600	1420
10	768	647	220		566	387	565	1000	839	1450	1600	1350
11	715	647	220		558	374	574	1020	809	1520	1600	1320
12	690	630	220		558	362	591	1070	790	1610	1600	1230
13	690	622	214		566	362	626	1110	760	1670	1600	1120
14	690	622	214		566	362	692	1130	770	1880	1600	1100
15	690	441	209		566	356	750	1130	740	1980	1600	1090
16	681	246	220		558	356	760	1130	702	1980	1360	1100
17	681	246	220		558	356	770	1120	692	2090	697	1100
18	681	246	220		558	356	869	1090	673	2150	1590	839
19	664	230	220		558	356	972	1070	644	2150	1580	721
20	656	225	214		558	356	1040	1010	644	1980	1580	730
21	656	214	199		558	309	1080	1000	635	1800	1580	721
22	656	220	209		558	230	1070	982	750	1720	1550	711
23	656	220	204		558	230	1160	972	950	1720	1540	692
24	656	220	204		558	230	1220	950	1210	1720	1460	682
25	672	220	204		558	236	1230	930	1300	1720	1450	692
26	681	220	204		558	246	1340	930	1280	1720	1450	682
27	698	220	204		558	263	1340	910	1260	1790	1450	682
28	690	220	204		566	246	1310	890	1290	1890	1450	692
29	681	220	211		558	246	1340	879	1300	1890	1450	682
30	656	220	211			246	1290	869	1290	1850	1440	692
31	647		211			252		839		1640	1440	
Mean	697	426	214	Est. 216	496	354	792	1023	895	1661	1525	1049
Acre-Feet	42,890	25,370	13,160	13,280	28,530	21,750	47,150	62,900	53,260	102,100	93,770	62,420

U. S. GOVERNMENT PRINTING OFFICE 6—7140

Year [illegible] Mean 781

Acre-Feet 566,580

Plate No. 5 L

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	837	779	403	412	407	722	448	1410	1040	1380	1820	
2	850	773	403	416	390	710	448	1350	1010	1400	1820	1590
3	863	773	403	425	407	704	435	1370	1020	1400	1820	1590
4	870	779	399	412	394	698	439	1390	1040	1400	1820	1590
5	883	779	403	407	439	710	481	1380	1040	1400	1820	1570
6	931	779	403	390	515	529	534	1310	1060	1400	1820	1570
7	917	785	403	378	505	462	580	1270	1040	1410	1820	1560
8	917	785	403	373	634	601	656	1230	1170	1410	1820	1550
9	910	785	407	390	741	575	735	1220	1130	1410	1810	1540
10	897	785	407	399	748	549	766	1220	1060	1440	1790	1540
11	890	792	407	365	735	539	766	1240	1030	1620	1780	1510
12	824	792	407	369	735	500	785	1270	993	1660	1780	1450
13	824	773	403	369	735	505	824	1320	965	1780	1780	1490
14	817	773	407	353	741	510	924	1320	937	1850	1780	1320
15	817	773	399	399	741	505	1040	1310	931	2060	1780	1280
16	805	520	421	390	710	505	979	1300	876	2060	1780	1240
17	785	444	416	394	729	510	1010	1300	870	2080	1170	1240
18	785	430	407	337	722	500	1100	1260	870	2180	1260	1220
19	785	430	361	329	722	500	1290	1240	843	2180	1770	1220
20	773	421	386	403	728	505	1430	1220	830	2180	1760	958
21	766	403	416	399	716	505	1440	1180	824	1990	1760	938
22	766	403	390	399	729	425	1340	1170	817	1920	1750	917
23	766	394	399	416	735	386	1380	1150	993	1890	1740	903
24	766	416	402	394	704	386	1450	1140	1180	1880	1710	890
25	766	399	404	390	710	390	1470	1120	1380	1890	1630	876
26	785	399	406	467	710	416	1590	1110	1400	1880	1620	870
27	792	407	409	486	729	476	1570	1110	1360	1880	1620	856
28	811	403	412	444	741	448	1550	1080	1360	1980	1610	883
29	811	407	412	425	741	435	1560	1060	1360	1990	1600	890
30	798	403	421	412		439	1490	1060	1360	1990	1600	883
31	779		412	407		444		1040		1850	1590	
Mean	825	599	404	398	655	519	1017	1231	1060	1769	1711	1227
Acre-Feet	50,750	35,670	24,850	24,490	37,660	31,910	60,520	75,670	63,050	108,800	105,200	73,000

U. S. GOVERNMENT PRINTING OFFICE 0—7149

Year or Period — Mean 953 — Acre-Feet 691,570

Daily discharge, in second-feet, of [illegible] Plate No. 3

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1130	1100	650	707	646	1010	888	2180	1400	1770	2060	1920
2	1140	1120	668	704	636	982	978	2200	1470	1830	2060	1920
3	1160	1090	632	722	686	1040	817	2300	1480	1770	2060	1920
4	1190	1090	679	665	696	1000	878	2380	1580	1730	2060	1940
5	1200	1090	648	665	760	1010	893	2300	1520	1730	2060	1920
6	1270	1090	673	656	847	823	1020	2180	1560	1720	2060	1880
7	1240	1090	664	656	841	734	1030	2060	1440	1680	2060	1860
8	1270	1090	683	646	866	976	964	2040	1700	1730	2060	1840
9	1210	1090	725	665	1060	853	1230	2040	1730	1680	2060	1840
10	1210	1080	683	656	1070	873	1390	2060	1560	1660	2060	1860
11	1210	1080	683	656	1050	845	1190	2120	1470	1940	2060	1750
12	1160	1060	664	608	1040	778	1120	2140	1420	1960	2060	1720
13	1120	1060	640	618	1010	795	1340	2200	1380	2100	2060	1610
14	1130	1050	578	608	1020	767	1530	2180	1280	2140	2060	1550
15	1130	1060	676	656	1030	828	1580	2120	1300	2400	2080	1480
16	1140	1000	707	665	913	828	1590	2080	1240	2420	2040	1480
17	1120	753	707	656	1060	812	1530	2060	1200	2400	1610	1480
18	1120	709	656	562	1060	806	1610	1980	1210	2590	1480	1500
19	1120	695	636	494	1010	806	1960	1920	1190	2590	1610	1240
20	1100	655	636	665	1010	806	2280	1860	1160	2590	2040	1280
21	1080	685	665	589	1020	811	2340	1810	1130	2300	2120	1200
22	1090	685	665	580	948	732	2100	1770	1130	2180	2060	1200
23	1090	652	618	696	1080	736	2180	1730	1270	2180	2060	1140
24	1100	678	676	553	933	707	2280	1700	1580	2180	2040	1130
25	1090	688	618	665	953	775	2340	1660	1630	2160	1980	1130
26	1130	671	608	707	1050	803	2570	1680	1750	2180	1960	1130
27	1130	673	618	707	1010	911	2530	1650	1720	2180	1960	1090
28	1130	660	580	696	1030	891	2440	1580	1680	2320	1940	1190
29	1130	653	656	686	1050	746	2470	1580	1720	2340	1900	1160
30	1140	679	686	646		833	2340	1520	1720	2340	1900	1270
31	1100		676	646		902		1560		2220	1920	

Mean	1148	893	657	618	944	846	1647	1956	1454	2097	1985	1521
Acre-Feet	70,570	53,110	40,370	39,870	54,320	52,000	98,000	120,300	86,520	128,900	122,100	90,510

Year Mean 1,318
Acre-Feet 956,570

Plate No. 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								2380	3380	972	1310	1520
2								2490	3480	1190	1300	1510
3								2940	2800	1180	1310	1560
4								3280	2560	1130	1310	1610
5								3180	2870	1150	1310	1630
6								2940	3330	1130	1420	1540
7								2400	2890	1110	1510	1510
8								2320	3200	1070	1480	1520
9								2540	3060	1010	1430	1520
10								2650	2380	897	1430	1610
11								2870	2000	994	1420	1540
12								3060	1980	1040	1420	1440
13								3280	2450	1030	1360	1340
14								3260	2750	1010	1370	1290
15								3110	2470	1220	1400	1190
16								3060	2060	1210	1430	1130
17								3060	1660	1280	1260	1110
18								2820	1300	1360	1050	1120
19								2650	1080	1480	1080	1010
20								2450	951	1680	1340	1080
21								2610	767	1420	1440	1100
22								2650	539	1150	1490	1160
23								2580	554	1050	1580	1100
24								2720	767	1020	1610	1070
25								2940	816	1050	1560	983
26								3230	856	1110	1610	1070
27								3480	856	1240	1640	1050
28								3530	826	1440	1640	1150
29								3380	846	1580	1630	1210
30								3360	846	1580	1580	1290
31								3500		1510	1520	
Mean								2926	1877	1203	1427	1299
Acre-Feet								179,900	111,700	73,970	87,750	77,280

Mean for Period — Acre-Feet 530,600

Plate No 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1080	1760	1200	1450	1250	1940	1450	2700	3220	680	1220	1290
2	1110	1770	1190	1480	1250	1860	1400	2470	3220	1030	1100	1280
3	1250	1770	1200	1500	1260	1800	1400	2510	3410	1320	1080	1290
4	1340	1760	1190	1500	1330	1720	1230	2840	3130	1330	1060	1400
5	1410	1750	1200	1450	1380	1700	1230	3200	3060	1290	1050	1440
6	1450	1770	1160	1360	1440	1680	1250	3170	3800	1220	1060	1420
7	1610	1710	1160	1310	1490	1490	1410	2860	4210	1070	1140	1360
8	1700	1660	1180	1280	1490	1430	1300	2480	4030	1000	1190	1420
9	1760	1650	1200	1310	1520	1620	1440	2280	4260	934	1190	1410
10	1750	1630	1220	1350	1660	1520	1460	2360	4100	808	1150	1440
11	1770	1610	1240	1290	1680	1440	1610	2380	3410	720	1140	1490
12	1820	1600	1220	1270	1630	1410	1510	2570	2890	715	1140	1420
13	1780	1630	1200	1220	1630	1340	1370	2780	2720	710	1140	1380
14	1750	1590	1160	1220	1650	1350	1560	3030	2810	670	1110	1260
15	1710	1540	1150	1220	1650	1340	1800	2980	2810	695	1160	1200
16	1710	1490	1170	1220	1630	1360	1970	2880	2450	857	1230	1110
17	1730	1400	1210	1220	1560	1360	1960	2840	2060	940	1230	1020
18	1710	1240	1210	1170	1650	1360	1950	2770	1720	994	1000	1070
19	1720	1170	1140	}	1610	1370	2050	2540	1340	1070	890	1150
20	1690	1170	1090	}	1560	1370	2460	2350	1140	1220	962	1140
21	1660	1190	1160	}	1520	1350	2930	2250	994	1250	1140	1250
22	1590	1180	1260	} 1140	1530	1320	2980	2380	879	994	1290	1350
23	1570	1170	1200	}	1570	1250	2700	2270	770	818	1340	1390
24	1520	1170	1230	}	1610	1240	2760	2210	720	755	1420	1340
25	1520	1190	1260	}	1600	1210	2720	2300	690	750	1450	1270
26	1570	1190	1280	}	1520	1320	2870	2500	715	765	1460	1310
27	1680	1190	1280	}	1670	1430	3060	2820	780	884	1490	1370
28	1720	1190	1280	} 1250	1830	1590	3060	3130	715	1040	1490	1410
29	1770	1190	1280	}	1890	1620	3150	3230	675	1220	1450	1550
30	1790	1190	1350	}		1380	3130	3210	650	1290	1400	1650
31	1780		1400	}		1380		3230		1300	1340	
Mean	1614	1451	1215	1268	1554	1469	2039	2694	2246	979	1210	1329
Acre-Feet	99,210	86,320	74,720	77,950	89,380	90,350	121,300	165,700	133,600	60,180	74,400	79,100

Year Mean 1,587
Acre-Feet 1,152,210

Daily discharge, in second-feet, of FALL RIVER NEAR [illegible], IDAHO *for the year ending September 30, 1916.*

Plate No. 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	468	452	391	417	380	410	445	1030	3950	468	460	359
2	498	452	391	430	384	384	445	1330	3680	529	460	359
3	529	452	391	417	384	384	460	1610	2720	521	452	365
4	513	452	391	417	384	384	460	1860	2490	513	468	391
5	490	438	391	417	384	384	475	1820	2650	561	460	384
6	545	438	391	417	384	398	490	1800	2720	438	452	378
7	628	438	391	417	384	398	490	1380	2400	424	445	365
8	569	438	391	404	378	372	490	1650	2460	424	445	365
9	513	438	391	404	372	372	537	1870	1990	417	430	372
10	505	391	445	417	372	372	505	2050	1640	410	438	372
11	482	398	417	417	372	372	460	2330	1440	398	438	365
12	482	404	404	404	372	372	460	2430	1780	384	438	359
13	468	404	404	404	372	372	475	2590	2560	365	438	365
14	468	410	404	390	372	347	561	2620	3090	378	438	398
15	468	410	417	380	372	347	733	2560	2990	391	438	365
16	468	417	430	370	372	359	697	2650	2680	384	438	359
17	468	417	404	360	372	372	679	2680	2360	378	438	359
18	468	417	378	330	372	372	915	2520	1610	378	438	372
19	460	404	365	300	372	359	790	2460	1810	475	438	391
20	452	404	378	310	372	359	790	2430	1810	460	430	628
21	452	404	391	310	372	359	915	2620	1140	468	445	577
22	452	404	391	320	372	372	982	2680	1020	460	460	561
23	452	404	378	320	372	384	1030	2750	800	445	460	537
24	452	417	391	325	359	384	1080	2990	636	430	468	529
25	452	417	378	340	372	398	1330	3220	602	378	475	529
26	452	417	378	340	384	410	1400	3400	569	445	475	521
27	452	404	378	350	410	424	1430	3580	561	445	468	521
28	452	391	378	360	424	438	1460	3580	529	460	468	561
29	468	391	380	370	410	452	1460	3400	513	475	460	585
30	452	391	385	370		452	1080	3430	438	468	372	553
31	452		400	370		452		3430		468	365	
Mean	482	417	393	374	380	388	784	2176	1855	440	445	438
Acre-feet	29,610	24,820	24,180	23,000	21,820	23,830	46,660	152,200	110,400	27,050	27,370	26,070

Year — Mean 740

Acre-Feet 537,010

Daily discharge, in second-feet, of FALL RIVER near CHESTER, TEXAS

Plate No. 3

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								1060	3020	81	170	179
2								1270	3020	164	173	170
3								1660	2180	150	186	192
4								1940	1930	134	186	222
5								1900	2220	183	202	243
6								1720	2220	111	232	236
7								1400	2020	102	239	239
8								1440	2110	89	232	243
9								1770	1760	81	229	239
10								1940	1340	72	232	247
11								2110	1160	52	199	199
12								2280	1340	106	183	109
13								2410	1820	32	173	113
14								2380	2260	27	199	128
15								2260	2140	34	215	113
16								2310	1730	38	219	111
17								2330	1460	38	225	106
18								2140	1080	36	236	111
19								2040	888	61	232	136
20								1920	780	109	208	222
21								2120	597	102	205	311
22								2200	298	85	236	288
23								2220	179	63	255	255
24								2390	118	61	288	251
25								2620	144	61	297	247
26								2860	156	128	307	247
27								3030	141	215	293	251
28								3030	123	236	284	316
29								2890	100	232	279	330
30							1050	2920	73	192	225	371
31								2900		170	189	
Mean								2176	1280	105	227	214
Acre-Feet								133,800	76,180	6,440	13,940	12,740

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Year
or
Period

Mean
Acre-Feet 213,100

Daily discharge, in second-feet, of TETON RIVER NEAR DRIGGS, IDAHO *for the year ending September 30, 1923*

Plate No. 58

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	300	265	215	189	178	269	296	252	355	405		
2	314	265	221	189	178	246	279	240	371	481		
3	348	252	224	197	200	246	259	203	380	481		
4	340	246	224	186	227	240	233	212	397	433		
5	352	249	224	181	252	224	227	210	380	414		
6	388	246	224	181	246	224	233	210	401	397	291	
7	438	249	218	184	200	221	230	210	410	395		
8	371	243	212	178	212	224	233	220	505	392		
9	325	243	200	178	230	221	240	230	582	390		
10	318	236	224	168	249	221	246	240	476			
11	293	227	221	158	233	209	224	250	447			
12	286	230	227		224	200	206	265	392			
13	289	224	227		218	200	195	310	388			
14	293	224	221		218	192	224	352	388			
15	289	221	218		212	181	256	269	481			
16	286	218	206		197	203	293	310	541			
17	293	215	206		215	233	249	289	536			
18	289	209	203	155	206	246	224	262	447			
19	286	215	272		200	262	195	246	384			
20	279	215	249		189	265	209	224	536			
21	279	209	178		184	289	209	221	486			
22	279	209	184		166	328	195	233	481			
23	276	212	180		156	367	206	246	414			
24	272	212	178		146	397	209	246	392			
25	276	209	176		141	438	209	252	397			
26	289	209	175		158	481	209	355	397			
27	289	200	175	197	184	736	209	344	380			
28	293	197	174	197	203	486	215	344	352			
29	286	197	174	195	233	296	230	367	384		253	
30	276	197	175	189		328	252	363	359			
31	262		180	189		332		352				

(1-9)

Mean	305	225	206	170	202	290	230	269	428	421		
Acre-Feet	18,750	13,370	12,660	10,470	11,610	17,860	13,670	16,520	25,470	7,510		

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YEAR OR PERIOD MEAN ACRE-FEET

Daily discharge, in second-feet, of TETON RIVER near TETONIA, IDAHO *for the year ending September 30, 19[illegible]*

Plate No. 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1									460	466	324	246
2									491	541	314	242
3									528	535	314	
4									528	497	310	
5									528	472	305	
6									608	448	301	
7									528	431	292	
8									615	425	288	
9									700	419	283	
10									581	397	283	
11									503	397	279	
12									472	386	279	
13									466	375	274	
14									516	364	274	
15									608	364	266	
16								314	650	380	262	
17								301	657	392	262	
18								292	615	392	258	
19								283	595	380	258	
20								270	636	370	262	
21								270	629	364	274	
22								270	554	349	279	
23								258	491	344	279	
24								262	454	339	288	
25								283	425	334	288	
26								324	414	339	283	
27								437	408	349	279	
28								402	408	349	270	
29								419	414	344	254	
30								402	408	334	254	
31								408		334	254	

(16-31)

Mean									325	530	394	280
Acre-Feet									10,300	31,520	24,220	17,240

Year or Period — Mean — Acre-Feet 83,280

Daily discharge, in second-feet, of LEDGE RIVER near ST. ANTHONY, IDAHO

for the year ending September 30, 19 25

Plate No. 6

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	518	480	412	410	350	614	645	711	1480	798	705	43
2	533	475	417	421	350	563	614	678	1500	896	711	43
3	563	471	421	452	350	528	573	786	1380	877	705	43
4	578	466	421	443	350	489	548	1010	1400	828	700	45
5	563	457	412	421	366	480	509	1060	1320	804	705	48
6	563	452	412	408	382	452	480	1010	1370	774	683	56
7	598	457	412	395	382	443	461	903	1230	739	630	54
8	619	457	412	378	378	443	452	870	1320	733	609	52
9	573	448	421	421	370	448	448	1010	1400	716	609	53
10	538	434	443	403	386	439	466	1230	1320	689	624	58
11	523	430	443	349	378	425	475	1620	1270	678	614	57
12	514	421	421	320	365	395	448	1800	1240	667	604	51
13	509	425	395	320	353	391	434	1940	1300	683	598	49
14	494	430	430	320	374	395	457	1960	1420	689	598	48
15	480	430	421	320	395	386	509	1800	1450	694	604	47
16	480	425	421	320	353	391	604	1830	1460	744	609	46
17	475	421	439	320	353	412	598	1730	1440	762	604	45
18	480	417	425	320	395	457	543	1580	1340	756	583	45
19	471	421	382	320	374	480	553	1450	1320	624	578	48
20	471	425	399	320	370	489	635	1390	1350	604	593	54
21	471	421	417	320	353	533	700	1440	1310	635	609	68
22	471	425	408	320	349	593	645	1390	1160	716	583	56
23	475	421	378	320	408	672	598	1380	1040	728	538	51
24	489	417	365	320	378	733	593	1390	943	716	528	48
25	489	412	382	320	378	756	645	1400	896	716	538	54
26	499	403	353	320	391	774	694	1490	864	716	533	48
27	499	412	353	320	439	896	705	1560	846	739	499	58
28	494	412	353	320	563	943	716	1440	816	780	466	66
29	494	408	353	320	689	705	756	1470	798	762	452	71
30	489	408	353	320		635	733	1470	786	739	448	69
31	475		400	320		705		1480		728	443	
Mean	513	433	402	352	390	550	575	1364	1226	733	590	529
Acre-feet	31,510	25,750	24,740	21,620	22,460	33,850	34,190	83,860	72,930	45,080	36,300	31,500

Year Mean 639

Acre-Feet 463,790

Daily discharge, in second-feet, of PORTNEUF RIVER at POCATELLO, IDAHO

for the year ending September 30, 19

Plate No

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	91	132	184	250	218	438	374	186	49	45	41	6
2	93	130	186	270	222	406	395	173	48	56	42	6
3	97	135	188	300	231	384	384	168	47	70	42	7
4	101	142	197	300	250	353	364	168	45	82	41	9
5	98	142	204	290	290	342	353	161	46	74	45	9
6	95	159	204	270	311	322	364	147	64	67	45	8
7	100	180	204	270	311	311	311	134	80	70	40	8
8	102	168	206	260	300	311	290	118	88	65	40	8
9	98	138	208	270	290	311	300	110	85	57	43	8
10	95	138	208	290	290	311	311	101	77	56	40	8
11	94	152	212	300	280	311	300	89	88	58	38	8
12	95	168	212	280	290	300	270	98	80	50	35	9
13	95	170	222	260	260	280	260	114	70	46	32	9
14	93	161	229	240	250	280	260	130	65	55	32	9
15	91	154	233		250	270	280	122	64	48	31	8
16	102	152	229		250	280	280	98	61	45	27	8
17	113	147	225		240	280	270	95	58	50	25	7
18	101	148	204		242	280	250	80	56	53	27	8
19	108	150	218		239	280	250	81	53	49	33	9
20	111	150	210		237	280	260	84	51	49	34	11
21	111	161	218		231	280	244	75	48	48	46	12
22	111	170			233	290	248	76	49	42	56	11
23	111	173			240	300	246	70	48	38	45	10
24	111	171			244	311	237	65	58	33	41	10
25	111	171			260	322	235	63	53	47	53	10
26	121	171			290	332	235	57	48	40	67	9
27	127	171			342	374	223	56	45	39	59	10
28	126	177			395	416	218	59	31	42	49	10
29	126	180			449	384	212	47	36	37	67	11
30	124	184				364	197	56	37	32	59	11
31	124					364		54		35	62	
Mean	106	158			274	325	281	101	57.6	50.9	43.1	92.7
Acre-Feet	6,500	9,410			15,740	19,970	16,700	6,220	3,430	3,130	2,650	5,520

Year or Period _____ Mean _____

Acre-Feet _____

Daily ~~discharge~~, in second-feet, of GRASSY LAKE RESERVOIR near MORAN, WYOMING for the year ending September 30, 1945

Plate No. 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		82						3029	8979		9361	3808
2					1330	1792			9205		9129	3818
3								3148			8929	3827
4								3217			8729	3846
5				968				3271	10359		8529	3856
6		169					2301	3289			8304	3875
7								3379	10953		8107	3894
8						1876			11258		7891	3922
9								3523	11594		7699	
10								3613	11846		7483	3941
11								3742	12042		7280	3960
12					1464			3894	12187		7084	3979
13								4065	12187		6877	3989
14								4280	12187		6682	3998
15		289	565	1102				4520	12187		6475	4008
16						2031		4740			6273	
17								4989			6064	4046
18							2455	5241		12332	5877	
19								5451		12129	5690	4065
20								5668		11958	5472	
21					1627			5932		11678	5272	
22								6174		11510	5083	
23						2076		6394		11286	4894	
24								6670		11090	4720	
25								6946		10872	4530	
26								7268		10656	4320	
27								7555		10440	4122	
28								7867		10197	3970	
29					1722	2166	2961	8155		9985	3789	
30		393						8454		9777		519
31			825	1306		2211		8754		9569		

Lake held about level June 15 – July 18, Gradual drop Sept 19-30

Mean												
Acre-Feet												

U. S. GOVERNMENT PRINTING OFFICE 0—7149

Year or Period _____ Mean _____ Acre-Feet _____