



C. A. BOTTOLFSEN  
GOVERNOR

DEPUTY COMMISSIONER

STATE OF IDAHO  
DEPARTMENT OF RECLAMATION

~~JAMES SPOFFORD~~, COMMISSIONER  
James Spofford  
BOISE

January 12, 1943

Honorable C. A. Bottolfson  
Governor of Idaho  
Boise, Idaho

Dear Governor:

Herewith is transmitted the annual report of Lynn Crandall, Watermaster and Special Deputy Commissioner of Reclamation for Water District No. 36, for the year of 1942. The report summarizes the operations connected with the distribution of the waters of Snake River to the lands within this water district, which comprises over one million acres and extends from the headwaters of the river to the lands served by water diverted from the Milner Dam.

The report discloses that snow conditions at the end of March, 1942 held a water content which was about eighty per cent of the average for the past seven years. This average was raised from five to ten per cent by heavy precipitation in May.

No apparent difficulties were experienced in water distribution during the year and the sixty main canals delivered 5,994,438 acre feet of water in serving 937,317 acres or 6.4 acre feet per acre, which was an increase of about three per cent over the deliveries for 1941.

At the close of the irrigation season on September 30, 1942, there still remained a carry-over of 940,000 acre feet of water in the reservoirs. This storage has consistently built up to an aggregate of 1,470,000 acre feet on January 9, 1943, and the depth of water in snow cover on the watershed was far above normal, indicating prospects for an abundant water supply during the 1943 irrigation season.

The distribution of water in District No. 36 during 1942 was carried on in the usual efficient manner, which deserves the support of the water users, the Committee of Nine and this Department.

Respectfully submitted,

*James Spofford*  
JAMES SPOFFORD  
Commissioner of Reclamation



STATE OF IDAHO  
DEPARTMENT OF RECLAMATION  
LYNN CRANDALL, WATERMASTER  
IDAHO FALLS, IDAHO

WATER DISTRICT NO. 36

A. BOTTOLFSEN, GOVERNOR  
JAMES SPOFFORD, COMMISSIONER

January 6, 1943.

Mr. James Spofford  
Commissioner of Reclamation  
State of Idaho  
Boise, Idaho

Dear Sir:

I am transmitting herewith the annual report covering the operation of Water District No. 36 during 1942. The work in this District was continued during that year as a cooperative enterprise between the U. S. Geological Survey, State of Idaho, and the Snake River water users. The first two parties contributed an amount of money that would normally have been spent on stream gaging work in the District and the balance of the expenses, directly chargeable to water distribution, were paid by the water users.

There were no unusual difficulties experienced in water distribution during the year. The supply of irrigation water was ample and 940,000 acre-ft. still remained in the reservoirs at the close of the season on September 30, 1942.

The advice and cooperation of your Department and of the Committee of Nine have been greatly appreciated. Thanks are also due to the U. S. Bureau of Reclamation and its employees, to the canal companies, deputy watermasters, hydrographers, river riders, etc., and particularly to W. V. Iorns and Charlotte M. Elg for their capable assistance in the preparation of this report.

Very truly yours,

LYNN CRANDALL

Watermaster.

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## INTRODUCTION

At the annual watermaster election of District No. 36 held on March 2, 1942, at Idaho Falls, 52 canals with 34,136 sec.-ft. of decreed rights were represented. Lynn Grandall was elected as watermaster for the ensuing year and the following were selected as members of the Committee of Nine:

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

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

The schedule of stored water transmission losses in effect for several years past was again approved for 1942 as follows: 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 budget adopted at the meeting authorized expenditures of \$23,817.50 during the year beginning April 1, 1942, and the apportionment of a year's costs at the close of the 1942 irrigation season among all users in proportion to the amount of water diverted during the 1942 irrigation season. For this purpose the irrigation season was to be considered as beginning on April 15 in the lower valley, May 1 in the upper valley, and May 15 in the headwater areas, Teton Basin, Island Park, and Swan Valley.

At the time of the annual water meeting early in March, the snow fall on the upper watershed was about 90% of normal. Due to deficient March precipitation this decreased to about 80% by April 1st. With

normal April precipitation and very heavy May precipitation, the actual run-off of Snake River at the Heise station for the year ending September 30, 1942, was 89% of normal compared to only 76% during the preceding year.

There was no shortage of water supply during 1942 under any canals that could be supplied with stored water, as a considerable surplus of storage was available for rent to canals needing same. At the close of the 1942 season all reservoirs held more water than they did a year previous, and the aggregate holdover of 940,580 acre-ft. was the greatest since 1938.

American Falls Reservoir filled on April 16, 1942, and remained above its rated capacity of 1,700,000 acre-ft. until June 7.

In addition to filling American Falls Reservoir there were about 499,000 acre-ft. wasted past Milner in excess of Idaho Power Company rights, largely due to the heavy May precipitation that increased the river flow and reduced irrigation demand.

Jackson Lake filled on June 24 by reason of retaining natural flow there belonging to prior rights below American Falls. After deducting such credits the Jackson Lake water available for allotment to the Jackson Lake rights amounted to 811,160 acre-ft.

Island Park and Grassy Lake Reservoirs filled to capacity while water was still being spilled to waste past Milner. Henrys Lake reached its highest level of 66,860 acre-ft. on July 16-17, of which 55,770 acre-ft. were allotted to Henrys Lake rights.

Total storage diversions during 1942 amounted to 1,894,003 acre-ft. not including 28,727 acre-ft. of primary stored water carried past Milner by the Idaho Power Company for use at downstream power plants.

Regulation began on June 3 but it was July 14 before the river dropped to where there was no natural flow to be carried past Blackfoot to fill the earliest lower valley priority of October 11, 1900. The river continued to drop at a fairly steady rate until September 10 when 80% of the May 11, 1889 rights were being filled. General rains in the upper valley September 12-13 reduced the demand and increased the stream flow so that some of the 1905 rights were restored. Upper valley canals resumed irrigation at an increased rate about September 26 and on this account it was then necessary to cut off the 1891 rights until the end of September when storage deliveries were terminated and regulation discontinued.

The Bureau of Reclamation completed its field examination of the Palisade Reservoir and damsite, consisting of surveys of the area to be flooded, diamond drill explorations, and search for materials suitable for the embankment and concrete aggregate. The Bureau is still continuing its study of possible methods of water conservation on the River so as to provide a greater and more certain water supply for the proposed Reservoir.

#### PERSONNEL

The persons engaged in water distribution during 1942 were as follows:

Lynn Crandall	Watermaster & Deputy Comm. of Reclamation.
W. V. Iorns	Assoc. Engineer & Deputy Watermaster.
Melvin Luke	Deputy Watermaster & Hydrographer at St. Anthony.
I. V. Goslin	Hydrographer.
F. W. Tolles	Hydrographer.
Charlotte M. Elg	Clerk.
Oleen Dummer	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.

Paul Koller	Deputy Watermaster, Idaho Falls Division.
Eugene Liljenquist	Deputy Watermaster, Blackfoot Division.
G. S. Gilham	Deputy Watermaster, Milner Dam.
F. S. Thomas	Deputy Watermaster, Swan Valley Division
S. R. Marean	Supt. Minidoka Project, Bureau of Reclamation.
A. W. Heath	Supt. Am. Falls Res., " " "
Glenn Simmons	Supt. Jackson Lake, " " "
S. Geo. Pilcher	Supt. Island Park Res., " " "
E. A. Harris and	Supt. Grassy Lake, " " "
J. J. Taylor	

Gage readers: H. T. Young, Mrs. Levi Stone, Seth Hansen, Mrs. Irvin Siepert, James Fugal, J. F. Johnson, D. R. Anthony, J. A. Clough, T. E. Culley, A. J. Ayers, D. O. Rawson, S. P. Sorensen, and V. R. Pugmire.

#### SNOW SURVEYS

Records of the snow measurements on the Jackson Lake watershed as made by the Bureau of Reclamation from 1919 to date are given in the following table.

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

Year	January		February		March		April	
	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

Year	January		February		March		April	
	Snow	water	Snow	Water	Snow	Water	Snow	Water
1940	28	6.3	43	11.3	55	18.5	40	17.6
1941	43	11.2	53	15.3	49	15.8	34	13.5
1942	35	9.6	50	14.5	53	16.6	35	14.1
Average, inches	44	10.9	56	16.6	61	20.3	53	21.3

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.

The water content on the Jackson Lake watershed as a percent of average was as follows: January 88%, February 87%, March 82%, April 66%. Part of the low content in April was due to melting that evidently occurred between the March and April surveys. The heavy precipitation, far above normal, that occurred during the snow melting month of May doubtless was mainly responsible for the annual run-off at Moran for 1942 being 87% of normal, or about 5% greater than the March snow survey percentage.

The results of snow measurements by the Bureau of Reclamation on the Buffalo River watershed are shown in the following table. Buffalo River, which enters Snake River about six miles below Moran, drains a region of high elevation and is one of the last of the Snake River tributaries to reach its peak flow each year.

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

Year	Feb. 1-6		Mar. 23-29	
	Snow	Water	Snow	Water
1924	40	11.2		
1925	48	13.6		
1926	42	11.5		
1927	43	11.9		
1928	44	12.4		
1929	38	10.2		
1930	41	10.5		

Year	Feb. 1-6		Mar. 23-29	
	Snow	Water	Snow	Water
1931	17	4.0		
1932	35	9.1		
1933	34	10.0		
1934	27	7.8		
1935	40	11.0		
1936	46	11.9	61	21.0
1937	33	8.4	45	13.8
1938	50	13.0	62	19.4
1939	45	12.2	52	17.3
1940	29	6.3	40	12.0
1941	36	9.3	46	14.6
1942	38	9.4	48	13.4
Average inches	38	10.2	51	15.8

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

The 1942 snow survey on the Buffalo River watershed showed 92% of normal in February and 85% late in March.

Beginning with 1936 snow surveys have been made available by the Irrigation Division, Soil Conservation Service, Department of Agriculture in cooperation with the Forest Service, Bureau of Reclamation, National Park Service and State of Idaho. Results of such measurements at the principal stations on the upper Snake River drainage are as follows:

Station	Depth in Inches									
	Last of Dec.		Last of Jan.		Last of Feb.		Last of Mar.		Last of April	
	Snow	Water	Snow	Water	Snow	Water	Snow	Water	Snow	Water
Island Park (Henry's Fk.)										
1936 Season	21	4.2	41	11.0	54	15.6	50	16.0		
1937 "	25	3.0	44	9.0	51	14.6	48	14.5	33	12.0
1938 "	26	5.9	37	8.2	48	11.9	64	19.5	18	7.6
1939 "	24	4.9	48	10.1	53	14.4	33	11.2		
1940 "	10	1.0	27	5.1	41	10.8	35	11.7		
1941 "	28	4.1	38	8.4	40	10.3	32	9.6		
1942 "	29	4.9	42	9.7	47	12.5	41	13.1		
Average	23	4.0	40	8.8	48	12.9	43	13.7		

Station	Last of Dec.		Last of Jan.		Last of Feb.		Last of Mar.		Last of April	
	Snow	Water	Snow	Water	Snow	Water	Snow	Water	Snow	Water
<u>Big Springs (Henrys Fk.)</u>										
1936 Season	24	5.5	54	15.6	65	21.8	70	23.3		
1937 "	26	3.4	52	10.5	63	17.6	59	20.2	41	17.3
1938 "	28	6.4	40	9.6	53	14.7	72	23.3	32	12.0
1939 "	31	7.8	48	11.4	60	18.3	50	17.8		
1940 "	11	1.1	27	6.1	46	11.9	41	14.0		
1941 "	34	6.0	46	11.2	47	13.0	45	14.2		
1942 "	30	5.1	47	10.4	55	15.4	48	16.0		
Average	26	5.1	45	10.7	56	16.1	55	18.4		

Valley View Ranch (Henrys Fk.)

1936 Season	22	5.0	-	-	-	-	58	19.8		
1937 "	23	3.1	-	-	-	-	47	13.8	31	12.2
1938 "	-	-	-	-	-	-	62	20.0	30	12.5
1939 "	22	3.8	-	-	-	-	40	12.2		
1940 "	8	0.7	21	4.0	33	7.8	31	10.1		
1941 "	30	2.9	-	-	-	-	32	9.3		
1942 "	21	4.0	-	-	-	-	38	10.9		
Average	21	3.5	-	-	-	-	44	13.7		

Grassy Lake (Fall R.)

1940 Season	34	13.3	50	21.5	78	32.6	66	33.0		
1941 "	61	18.2	72	23.7	75	27.5	64	23.9	56	28.6
1942 "	-	-	52	16.9	71	23.6	66	23.9	45	20.8
Average	48	15.8	58	20.7	75	27.9	65	26.9	50	24.7

Bechler Ranger Sta. (Fall R.)

1936 Season	40	9.6	71	20.6	87	29.1	87	31.0		
1937 "	26	4.5	59	13.1	72	22.3	68	24.8		
1938 "	32	8.2	52	14.0	59	18.9	91	29.4		
1939 "	39	10.0	69	17.2	85	25.1	57	24.4	18	8.3
1940 "	31	6.0	43	12.8	56	18.0	63	25.0	31	15.8
1941 "	42	9.4	58	15.3	59	18.8	46	16.4		
1942 "	30	6.9	46	12.4	62	18.3	57	20.2	25	9.7
Average	34	7.8	57	15.1	69	21.5	67	24.5	25	11.3

Teton Pass (Teton R.)

1936 Season	28	7.4	74	19.6	100	32.0	116	37.0		
1937 "	-	-	41	11.4	62	20.0	72	24.2		
1938 "	33	9.0	-	-	69	25.4	97	34.6		
1939 "	49	13.2	55	16.0	78	26.4	77	28.6		
1940 "	14	1.0	48	11.0	61	16.6	63	22.2		
1941 "	41	9.2	51	11.8	57	15.2	56	18.4		
1942 "	33	7.8	45	14.0	58	18.8	63	21.4		
Average	33	7.9	52	13.9	69	22.1	78	26.6		

Station	Last of Dec.		Last of Jan.		Last of Feb.		Last of Mar.		Last of Apr.	
	Snow	Water								
<u>State Line (Teton R.)</u>										
1936 Season	21	4.0	49	11.4	66	21.0	75	28.0		
1937 "	-	-	32	8.1	45	12.6	42	15.0		
1938 "	15	2.0	-	-	41	12.9	56	20.1		
1939 "	31	6.1	34	7.1	46	12.1	35	12.8		
1940 "	6	0.4	31	5.2	36	8.6	27	10.1		
1941 "	30	5.0	36	7.3	42	10.1	30	9.7		
1942 "	24	4.0	33	9.1	39	12.0	39	12.4		
Average	21	3.6	36	8.0	45	12.7	43	15.5		

East Rim (Hoback R.)

1936 Season	10	1.7	-	-	-	-	62	22.6		
1937 "	17	2.8	-	-	-	-	38	12.2	35	12.9
1938 "	19	4.0	-	-	-	-	45	13.2	20	6.6
1939 "	23	4.9	-	-	-	-	33	7.2	-	-
1940 "	-	-	-	-	-	-	25	7.0	24	6.0
1941 "	-	-	-	-	34	10.4	32	11.0	-	-
1942 "	-	-	-	-	32	7.0	32	7.9	-	-
Average	-	-	-	-	-	-	38	11.6	-	-

Bryan Flat (Hoback R.)

1936 Season	11	1.7	32	7.1	-	-	50	19.5		
1937 "	14	2.3	19	4.9	33	8.1	30	10.2	14	5.6
1938 "	13	2.8	21	5.5	26	6.7	39	11.4	0	0
1939 "	17	3.9	30	6.6	31	8.4	24	8.0		
1940 "	4	0.3	20	4.6	19	6.5	16	4.3		
1941 "	24	5.3	26	5.8	33	9.5	23	9.0		
1942 "	19	3.2	23	5.2	29	5.4	28	7.4		
Average	15	2.8	24	5.7	28	7.4	30	10.0		

Yellowjacket (Gros Ventre R.)

1936 Season	8	1.0	20	2.9	-	10.0	38	11.3		
1937 "	9	1.2	13	2.3	22	4.3	20	6.4	10	2.9
1938 "	12	2.8	16	3.2	21	4.2	31	7.5	0	0
1939 "	16	2.6	20	3.9	26	5.2	19	5.1		
1941 "	-	-	19	3.3	-	-	23	5.1		
1942 "	-	-	-	-	-	-	21	4.3		
Average	11	1.9	18	3.1	23	5.9	25	6.6		

Grover Park Divide (Salt River)

1936 Season	-	-	46	12.6	46	15.8	69	19.6		
1937 "	23	4.1	24	4.5	36	10.8	36	11.4		
1938 "	16	4.2	25	5.6	25	7.9	42	12.4		
1939 "	-	-	23	6.4	36	9.4	20	7.6		
1940 "	-	-	26	6.6	31	9.9	25	9.8		
1941 "	27	4.6	30	7.0	31	9.1	21	8.0		
1942 "	-	-	26	5.2	31	8.5	28	8.8		
Average	22	4.3	29	6.8	34	10.2	34	11.1		

Station	Last of Dec.		Last of Jan.		Last of Feb.		Last of Mar.	
	Snow	Water	Snow	Water	Snow	Water	Snow	Water

CCC Camp FF12 (Salt River)

1936 Season	-	-	35	10.7	53	17.1	65	22.7
1937 "	17	3.5	22	4.4	36	9.2	35	12.3
1938 "	18	4.4	30	6.7	32	8.4	43	13.2
1939 "	-	-	29	5.7	36	10.1	21	7.8
1940 "	-	-	26	5.9	27	8.8	22	8.4
1941 "	23	4.4	25	6.6	31	8.1	23	8.2
1942 "	-	-	24	4.5	29	6.8	26	7.2
Average	19	4.1	27	6.4	35	9.8	34	11.4

Afton Ranger Sta. (Salt River)

1936 Season	-	-	28	8.0	26	10.2	24	9.8
1937 "	11	2.4	13	2.4	19	4.5	7	2.9
1938 "	7	1.3	11	2.3	10	2.9	0	0
1939 "	-	-	23	3.7	25	6.2	0	0
1940 "	-	-	15	2.8	9	2.8	0	0
1941 "	14	2.5	16	4.0	15	4.6	0	0
1942 "	-	-	15	3.3	19	4.0	0	0
Average	11	2.1	17	3.8	18	5.0	4	1.8

Somsen's Ranch (Greys Lake)

1936 Season	-	-	-	-	51	16.5	64	20.7
1937 "	-	-	28	5.6	37	10.7	36	12.0
1938 "	-	-	25	5.4	29	7.6	40	12.6
1939 "	-	-	33	6.2	38	9.8	15	5.5
1940 "	-	-	24	5.0	26	7.8	19	6.9
1941 "	-	-	27	6.0	31	8.3	26	7.9
1942 "	-	-	29	6.8	33	9.1	33	9.5
Average	-	-	28	5.8	35	10.0	33	10.7

Deadman Ranch (Greys R.)

1936 Season	-	-	36	9.6	58	19.1	77	24.8
1937 "	15	2.5	24	5.1	37	9.3	32	9.4
1938 "	13	2.5	24	4.9	26	7.6	35	10.5
1939 "	28	4.1	36	6.6	36	9.4	T	T
1940 "	T	T	22	3.4	20	3.1	-	-
1941 "	29	5.9	29	8.0	31	10.7	20	8.0
1942 "	19	2.0	24	3.8	31	5.8	29	6.7
Average	17	2.8	28	5.9	34	9.3	32	9.9

Greys Boundary (Greys River)

1936 Season	-	-	38	9.3	46	15.0	50	18.9
1937 "	-	-	25	3.0	40	10.3	31	11.6
1938 "	16	3.9	29	6.9	29	8.6	32	12.4
1939 "	-	-	41	8.0	44	13.3	23	7.6
1940 "	-	-	29	7.2	28	9.5	14	6.1
1941 "	-	-	26	5.6	28	8.9	16	5.9
1942 "	24	4.1	26	5.9	36	8.1	31	8.9
Average	20	4.0	31	6.6	36	10.5	28	10.2

These snow surveys at the end of March indicated a water content ranging from 65% to 95%, with a mean of about 80%, of the average for the past 7 years. The heavy precipitation during May, however, added considerably to the run-off so that it actually proved to be from 5% to 10% greater than indicated by the snow supply on March 31.

#### REGULATION SCHEDULE

The following schedule shows the priorities being filled during 1942. On Teton river rights were cut to still earlier priorities from July 28 to September 13 due to the Teton river supply being inadequate to fill rights to as late a date as were being filled on the main river. There were also a few days about the middle of July when the supply in Henrys Fork and Fall River was insufficient to fill rights to the same priority dates in effect on Snake River.

When the rights were cut to priorities earlier than Oct. 11, 1900, the schedule applies only to canals above Blackfoot as at such times no natural flow from the upper valley is delivered past the lowest canal heading near Blackfoot. With the river dry at Blackfoot the downstream inflow is sufficient to produce a flow at Neeley in excess of 2500 sec.-ft. which is delivered to the Oct. 11, 1900, rights at Milner. Actual normal flow being delivered daily to lower valley canals is shown on Plates 12-13.

#### 1942 REGULATION SCHEDULE

June 3	Mar. 30, 1921 rights partly filled.
" 5	Filled part of May 20, 1912 right.
" 9	Filled 1916 rights.
" 11	Partly filled Mar. 30, 1921 right.
" 17	Partly filled May 24, 1913 right.
" 25	Cut off rights later than 1905
" 29	Partly filled May 24, 1913 right.

July	2	Cut off rights later than Aug. 6, 1908.
"	3	Cut off rights later than Oct. 6, 1905.
"	13	Cut off rights later than Oct. 11, 1900
"	14	Cut off 1897 rights.
"	15	Cut off June 1, 1895 rights.
"	20	Filled 90% Feb. 6, 1895 right.
"	21	Filled 40% Feb. 6, 1895 right.
"	22	Cut off all 1895 rights.
"	23	Filled 25% Aug. 18, 1894 right.
"	24	Cut off June 1, 1892 rights.
"	25	Cut off all 1892 rights.
"	26	Filled 50% Dec. 14, 1891 right.
"	27	Filled 25% Dec. 14, 1891 right.
"	28	Cut off Dec. 14, 1891 rights.
"	29	Cut off June 1, 1891 rights.
"	31	Filled 50% Jan. 24, 1891 right.
Aug.	1	Filled 25% Jan. 24, 1891 right.
"	4	Cut off all 1891 rights.
"	5	Cut off Oct. 16, 1890 rights.
"	8	Filled 50% July 12, 1890 right.
"	9	Filled 50% June 10, 1890 right.
"	10	Cut off June 10, 1890 right.
"	19	Filled 50% June 10, 1890 right.
"	22	Cut off June 10, 1890 right.
"	25	Cut off June 1, 1890 rights.
"	27	Cut off all 1890 rights.
"	31	Filled 25% July 10, 1889 right.
Sept.	2	Cut off July 10, 1889 right.
"	4	Filled 50% June 1, 1889 right.
"	9	Filled 25% June 1, 1889 right.
"	10	Filled 80% May 11, 1889 right.
"	12	Restored all 1889 rights.
"	13	Restored 1891 rights.
"	14	Restored June 16, 1900 rights.
"	16	Partly filled Oct. 7, 1905 rights.
"	25	Cut off rights later than Feb. 6, 1895.
"	26	Cut off 1891 rights.
"	30	Discontinued regulation.

After regulation was discontinued on Sept. 30, 1942, and storage deliveries ceased from Jackson Lake, the natural flow was sufficient to fill needs for stock water, fall irrigation, etc. The demand for labor to harvest the crops at that time was so great that very little irrigation water was applied after Oct. 1, except to water beets preparatory to digging. Jackson Lake gates were closed on Oct. 6, 1942, and storage began for the 1943 season. Storage at Grassy Lake began on Oct. 7, 1942, at Henrys Lake on Sept. 23, and at Island Park on Nov. 15, 1942.

WATER SUPPLY

Run-off at several measuring stations in various parts of the District during the year ending Sept. 30, 1942, was as follows:

<u>Station</u>	1942 run-off (acre-ft.)	Average run-off (acre-ft.)	Years of record	1942 per- cent of average
Snake R. at Moran	886,800	1,023,000	39	87
Snake R. at Heise	4,314,000	4,849,000	32	89
Snake R. at Neeley	4,252,000	5,684,000	46	75
Hen. Fk. at Warm R.	667,200	712,000	28	94
Hen. Fk. nr. Rexburg	1,145,000	1,376,000	34	83
Fall R. nr. Squirrel	480,100	532,000	29	90
Teton R. nr. St. Anthony	553,900	523,000	15	107

The run-off at Moran and Heise has been corrected for Jackson Lake holdovers, at Neeley for Am. Falls holdovers, at Warm River for Henrys Lake and Island Park holdovers, at Rexburg for Henrys Lake, Island Park, and Grassy Lake holdovers, at Squirrel for Grassy Lake holdovers, and at St. Anthony for Cross-Cut Canal discharge into Teton R.

The run-off at these stations was about 12% greater than during 1941, and was in excess of normal on Teton River. Ordinarily no serious damage from water shortage is suffered on Snake River under existing conditions in any year when the run-off at Heise is in excess of 75% of normal. Some canals may be short of storage at times but are usually able to rent what additional water is needed except in the very dry years. In most years a rainy spell occurs in the upper valley sometime during August or September, greatly reducing the demand and averting what in some years would have been a water shortage.

In the present contract for lease of the Government owned space of 433,593 acre-ft. in American Falls Reservoir, the Government has reserved the right to withhold up to 100,000 acre-ft. of such space by giving notice on or before January 1st of any year of its intention to withhold such water for the ensuing season. If the Government exercises

this right it will be possible for the United States to dispose of such withheld water in whole or part by rental to those canals and individuals who are chronically short of water and who, at times in the past, have been unable to find sufficient water offered for rent. While this is a vital matter to the particular individuals or canals who now own no storage rights or rights of inadequate amount, the quantity of water ordinarily required to fill these needs is relatively small, not over 1% or 2% of the annual irrigation diversions in District 36. Many of these users are located on the headwater areas and did not buy storage water when American Falls Reservoir was built because their use of water was not strictly regulated at that time. Recent years of sub-normal run-off and development of crops requiring more late water have also been contributing factors to a greater demand for storage.

Water that spilled to waste past Milner in excess of Idaho Power Company rights during the year ending Sept. 30, 1942, amounted to 499,000 acre-ft. Of this, 43,000 acre-ft. were wasted during Oct.-Nov. 1941 as a result of draining Lake Walcott to install a new power unit, 110,000 acre-ft. were wasted during Jan. 1 to April 15, principally on account of fear of ice damage at American Falls dam, and 346,000 acre-ft. were spilled after American Falls reservoir filled on April 16.

The peak flow at Heise occurred on June 10 and amounted to 19,100 sec.-ft. About 7,000 sec.-ft. were being stored in Jackson Lake at that time and except for such storage the Heise peak would have been 26,000 sec.-ft.

The important part played by stored water on Snake River is evidenced by the diversion and use of 1,922,730 acre-ft. of storage

during the irrigation season of 1942.

Run-off at the Moran and Neeley stations for past years of records is shown on Plates 4 and 5.

The net result of the available supply and use is given by the combined reservoir holdovers at the close of each irrigation season. Such holdovers on Sept. 30 for several years past are shown in the following table:

Holdovers on Sept. 30, in Acre-feet.

	<u>1942</u>	<u>1941</u>	<u>1940</u>	<u>1939</u>	<u>1938</u>
American Falls	410,360	319,800	264,380	252,050	684,720
Jackson Lake	321,330	226,110	166,350	313,170	398,710
Lake Walcott	93,550	18,850	-900	76,770	79,480
Henrys Lake	43,810	38,900	36,500	49,200	25,100
Island Park	60,620	39,230	17,050	52,700	0
Grassy Lake	10,910	8,170	520	0	0
Total	940,580	651,060	483,900	743,890	1,188,010

In studying the foregoing holdovers it must be remembered that some companies have followed the practice of keeping all unused storage as holdover water, while others have been unable to find anyone who would rent them all they needed at times. During August of 1940 for example, there was a demand for more storage than was offered for rent, yet the irrigation season closed that year with nearly 1/2 million acre-ft. left in the reservoirs. This practice of hoarding water for holdover is largely the result of sad experience during the dry cycle from 1931 to 1935, although rains late in the season often result in holdover storage that would otherwise have been used.

TRANSFERS AND EXCHANGES

The following permanent transfers were authorized by the State Dept. of Reclamation during the year:

- Transfer No. 635 - Garden Water Co., 9.4 sec.-ft. of June 1, 1896 priority from Darby Creek transferred from Garden Water Co. Canal to Cherry Grove Canal.
- Transfer No. 636 - Island Irrigation Co., 4.0 sec.-ft. of June 1, 1891 priority transferred from Island Canal, 2.0 sec.-ft. of same being transferred to Great Western Canal and 2.0 sec.-ft. being abandoned to Snake River to compensate other users for less return flow from the new place of use.
- Transfer No. 637 - Federal Farm Mortgage Corp., 2.53 sec.-ft. Aug. 13, 1888, 0.76 sec.-ft. June 1, 1889, 0.35 sec.-ft. June 1, 1900, and 0.92 sec.-ft. June 1, 1905, transferred from Rudy Canal to Great Western Canal.
- Transfer No. 641 - A. & H. T. Moss, 0.8 sec.-ft. June 1, 1885 transferred from Steele Canal to Farmers Friend Canal.

At the year end three other transfers were pending, involving the right of stockholders in incorporated canal companies to transfer their share of the Company's water rights out of the canal over the protest of the Company directors and other stockholders.

During the latter part of the summer there were a few temporary transfers between nearby ditches where landowners had rights in both ditches.

After the 1898 rights were cut there were a few instances where canals that had lost part of their rights shut dry and received credit for 90% of their valid rights at such times by trading same to other upper valley canals as storage. Due to better water supply in 1942 than for several years past water so accumulated amounted to less than 4,000 acre-ft., as nearly all the canals had a sufficient supply of storage to run continuously.

LITIGATION

The Federal Farm Mortgage Corporation, in an uncontested suit against Lynn Crandall, Watermaster, and E. V. Berg, Commissioner of Reclamation, was awarded a decree in the Idaho District Court for 5.6 sec.-ft. of April 1, 1894 priority for diversion through the Pratt Ditch from Teton Creek. The land is in Idaho but the ditch diverts in Wyoming and waters land in Wyoming as well as the Idaho land. The land owned by the Plaintiff has been supplied with water for many years through the Pratt Ditch and held a ditch right in that Ditch, but the Idaho land was not described in the Wyoming water filing for the Pratt ditch as the State Engineer of Wyoming refused to accept water filings to be used on Idaho lands. Under the Wyoming Federal Court decree of February 6, 1941, dividing the waters of Teton Creek between Wyoming and Idaho users the land in question appeared to be entitled to no water at all as it held no adjudicated right of record in either state. Being unable to acquire a water right in Wyoming the landowner was obliged to have its right adjudicated in Idaho:

Burton L. Gardner, in a suit against the Watermaster in the District Court, under the Summary decree statute, was awarded a right of 1.8 sec.-ft. of June 1, 1903 priority for use on lands adjoining the Lowder Slough near Ririe. This land, according to the testimony, has been irrigated since 1903 by a ditch picking up seepage and waste water from Lowder Slough but being located in the brush at some distance from any road it was overlooked at the time of the Rexburg decree and was not discovered by the watermaster until 1941.

The case of C. E. Carrington and Eleanore Patterson vs. Lynn Crandall and waterusers on Mahogany Creek in Teton County was tried

during November 1942. This is a controversy over distribution of water and the ownership of water rights on Mahogany Creek and is only of local interest. Decree had not been rendered at the time of writing this report.

A summary decree was awarded Royal J. Sorensen for 25.73 sec.-ft. of October 3, 1904 priority of the waters of Henrys Fork in an uncontested action against the watermaster. This water has been used on the former Cartier ranch for the irrigation of pasture and wild hay meadow lands along Henrys Fork for several miles below the bridge due west of Rexburg, but the owner, through oversight, was never made a party to the Rexburg decree.

#### CANAL DELIVERIES

Daily diversions from the main river between Heise and Blackfoot are shown on Plates 6 to 10 inclusive. Three of the canals are equipped with recording gages and the rest with staff gages. The canals were visited daily by the river riders from June 25 to Sept. 30. Readings prior to June 25 were made by the Canal Company employees supplemented by visits about once a week by District 36 hydrographers.

The collection of discharge records on these canals was continued after October 1, 1942, by the U. S. Bureau of Reclamation as part of its study of possible water conservation on the river.

Records of diversions by canals below American Falls for the entire year are shown on Plates 33 to 43 inclusive. Complete records are not kept of diversions by the many small ditches on the headwater areas. Part season records of diversions by the larger canals in Teton Basin and Swan Valley are shown on Plate 23.

The following tabulation shows the seasonal diversions and

irrigated acreage under the canals diverting from Snake River between Heise and Milner. Similar records for canals on Henrys Fork and tributaries are shown separately in the chapter covering distribution on Henrys Fork.

The figures on irrigated acreages in this table were furnished, in most instances, by the Secretary or Manager of the various canal companies. In a few cases where no information was supplied by the companies the figures were estimated by the watermaster from such information as was available.

The small irrigated areas in the Swan Valley section, spring creeks near Menan and spring creeks near Springfield, aggregating about 15,000 acres, are not included in this tabulation.

Diversions during 1942 Irrigation Season  
(Snake River Canals in downstream order from Heise)

Canal	Irr. season Diversions (acre-ft.)	Area under canal (acres)	Area irrigated, 1942 (acres)	Diversions acre-ft. per acre
Riley	4,450	380	800	5.6
Anderson & Eagle Rock	218,000 (a)	31,597	31,597	6.9
Farmers Friend	87,000	10,300	10,100	8.6
Enterprise	32,600	5,000	5,000 (c)	6.5
Nelson	325	80	50	6.5
Mattson-Arnsberger	2,240	850	500	4.5
Ross & Rand	782	150	140	5.6
Butler Island	12,200	1,400	1,100	11.1
Steele	1,900	300	250	7.6
Harrison	101,000	12,000	12,000	8.4
Cheney	1,640	240	160	10.3
Rudy & Boomer	48,600	5,500	4,680	10.4
Kite & Nord	1,320	235	175	7.5
Burgess	193,000	21,000	20,000	9.6
Clark & Edwards	21,000	1,900	1,700	12.4
Lowder & Jennings	9,320	1,200	900	10.3
East Labelle	29,600	2,200	2,200	13.5
Sunnydell	27,200	3,660	3,600	7.6
Lenroot	29,300	3,800	3,800	7.7
Reid	36,500	5,500	5,200	7.0
Texas Feeder	62,000	8,500	7,000	8.9
Nelson-Corey	2,480	640	440	5.6

Canal	Irr. season Diversions (acre-ft.)	Area under canal (acres)	Area irri- gated, 1942 (acres)	Diversions acre-ft. per acre
Hill-Pettinger	853	210	160	5.3
Rigby	45,300	4,000	4,000	11.3
Dilts	6,190	640	560	11.0
Island	33,600	3,500	3,000	11.2
W. Labelle & Long Isl.	117,000	9,000	8,500	13.8
Parks & Lewisville	84,400	6,500	6,000	14.0
North Rigby	14,000	1,400	1,200	11.7
White	1,340	126	120	11.1
Ellis	772	120	100	7.7
Bramwell	1,760	400	200	8.8
Butte & Market Lake	65,700	18,000	17,000	3.9
Osgood	26,100	7,000	5,900	4.4
Bear Isl. & Smith	490	240	160	3.1
Idaho	252,000 (a)	35,482	35,482	7.1
Kennedy	10,400	2,230	1,950	5.3
Gt. Western & Porter	174,000	27,000	25,000	7.0
Coy & Kellar	206	60	60	3.4
Woodville	17,900	3,000	3,000	6.0
Snake River Valley	137,000 (a)	25,000	21,000	6.5
Reservation	182,430 (b)	60,000	33,880	5.4
Blackfoot	78,300	14,000	12,000	6.5
New Lava Side	32,800	6,000	5,500	6.0
Peoples	116,000	20,000	18,500	6.3
Aberdeen	297,000	61,500	61,000	4.9
Corbett	38,400	7,927	5,000	7.7
Nielsen-Hansen	2,640	500	450	5.9
Riverside	26,000	5,000	5,000	5.2
Danskin	48,200	6,000	6,000	8.0
Trego	14,000	1,700	1,400	10.0
Wearyrick	12,600	1,600	1,500	8.4
Watson	31,300	4,830	4,800	6.5
Parsons	6,390	800	800	8.0
North Minidoka	415,800	63,739	54,000	7.7
South Minidoka	293,500	55,200	52,000	5.6
N. S. Canal Co.	1,023,000	161,560	161,560	6.3
Twin Falls Canal	993,500	202,610	202,610	4.9
Milner Low Lift	45,010	9,033	9,033	5.0
Gooding	426,100	79,033	57,500	7.4
Total	5,994,438	1,021,922	937,317	6.4

- (a) Received some additional water from Willow and Sand Creeks.  
 (b) 82,000 from Snake R., balance from Blackfoot R. and Sand Creek.  
 (c) About 1,900 acres of this supplied through Anderson & Eagle Rock Canals after July 20.

The irrigation season is taken as May to Sept. inclusive for upper valley canals and Apr. 15 to Sept. 30 for lower valley canals.

Total diversions were about 3% greater than in 1941. The increase is probably due to heavy water demands during June, July, and August when marked deficiencies in precipitation occurred.

Of the total diversions 53% were by lower valley canals and 57% by the canals from Heise to Blackfoot.

Lower valley canals used 1,366,417 acre-ft. of storage or 43% of their total diversions. Main river upper valley canals used 404,458 acre-ft. of storage or 14% of their total diversions. The effective value of the stored water was even greater than these percentages would indicate as it was used to mature the crops.

The Idaho Power Co. drew 28,727 acre-ft. of its primary storage past Milner during Aug.-Sept. 1942. So much water was spilled past Milner at intervals from Oct. 1, 1941 to June 1, 1942, that any distinction between Power Co. water and spill during that period would have to be arbitrary.

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

<u>Year</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
1933	226	756	674	527	387	2570
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
1941	444	618	648	492	434	2636
1942	314	684	720	588	391	2697
Average excluding 1934	403	655	664	525	385	2632

Diversions in Thousands of Acre-feet  
Henry's Fork and Tributaries  
 (excluding headwater creeks)

<u>Year</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
1933	162	267	176	143	91	839
1934	166	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
1941	209	216	183	146	93	847
1942	151	243	211	176	103	884
Average excluding 1934	197	231	183	144	103	858

1939-42 figures are after deduction for water spilled from Cross Cut Canal into Teton River.

Minidoka Project

<u>Year</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
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
1941	20	152	125	169	148	90	704
1942	15	87	155	181	170	101	709
Average excluding 1934	36	139	142	169	158	96	740

North Side Canal Co. Project

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
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
1941	67	186	172	206	194	110	935
1942	71	178	189	217	221	161	1037
Average excluding 1934	56	180	193	212	204	129	974

Twin Falls Project

<u>Year</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
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
1941	101	194	174	209	214	138	1030
1942	82	175	177	212	216	149	1011
Average excluding 1934	74	191	188	212	217	148	1030

Gooding Project

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
1941	21	71	75	96	88	63	414
1942	18	77	78	96	90	67	426
Average excluding Sept. 1935	14	62	68	80	72	52	348

April diversions were below normal on the Minidoka project due to the canals not turning on as early as usual. On the other lower valley projects, however, they were above normal.

May diversions were below normal everywhere, except on the Gooding project, due to cold weather and abundant precipitation. June diversions were generally above normal except on the North Side and Twin Falls Projects, where a large acreage of beans may have affected the seasonal use of water. These beans require little water during June but make a heavy water demand during July and August.

July and August were characterized by a heavy demand for water in all parts of the District. The precipitation during those months in

the irrigated valley was negligible so the crops had to be irrigated continuously.

September water needs were about normal. The North Side and Gooding projects used more than usual that month, perhaps because they had substantial holdovers of storage and so didn't feel obligated to curtail their September use as much as in years of less abundant supply.

The total diversion for the season was somewhat below the past 10 year average on the Minidoka and Twin Falls projects. Elsewhere in the District the seasonal use was in excess of normal.

#### RIVER DATA

Segregation of stored and normal flow at the various river and canal stations is shown on Plates 12-13. The losses between river gaging stations as tabulated on these Plates were computed using the approved schedule of stored water transmission losses given on Page 1 of this report.

The standard procedure used in the past for segregation of stored water at the reservoir outlets and at the various measuring stations was continued during 1942. The methods are described in detail in the annual reports for 1940 and earlier years. During the periods July 15 to Sept. 14 and Sept. 26-30, when no natural flow was being carried past the lowest canal diversion near Blackfoot, the natural flow at Clough's was computed as 150 sec.-ft. plus inflow from Blackfoot River.

Prior to actual storage draft on the reservoirs the stored and normal flow quantities at the various river and canal stations as shown on Plates 12-13 were computed as if the exact amount of normal flow necessary to fill prior rights had been released daily from upstream reservoirs. The figures shown in these tabulations as minus storage

quantities represent the equivalent at the particular measuring station of natural flow adversely retained at upstream reservoirs, and is added to the actual flow at the station to get a computed normal flow which is used as the available supply for the normal flow deliveries. The daily segregation between normal flow and stored water diversions charged to the various canals is based on the computed normal flow that would have been in the river if no water was retained or diverted by junior upstream rights. In computing the seasonal totals of storage quantities at the various river measuring stations, the minus quantities are offset by the delivery of an equivalent aggregate amount of stored water later in the season.

Eleven sets of measurements of the spring creeks and wastewater channels flowing into American Falls Reservoir were made on the following dates: May 5-6, 22-23, June 8-9, 22-23, July 9-10, 17-18, 24-25, Aug. 5-6, 20-21, Sept. 17-18. Daily discharge of these springs does not vary much and was determined by interpolation between measurements. The unmeasured inflow was taken as about 1300 sec.-ft, which was increased somewhat during rainy periods. Approximately the same average result, except during floodwater periods on Portneuf River, would be obtained by using the Newell Formula, Unmeasured inflow =  $840 \text{ sec.-ft.} + \frac{1}{3} \text{ measured inflow}$ . Records of the principal wastes from the Aberdeen-Springfield project were supplied by the Project Manager, Mr. E. H. Neal.

The computed inflow between Clough's and Neeley as determined by these methods of computation is shown on Plate 11. The inflow is added to the daily normal flow at Clough's to get the daily normal flow at Neeley, which is used as the basis for normal flow deliveries at the Minidoka and Milner dams.

The gain from Neeley to Milner is considered as stored water for convenience in tabulation. It is credited to the Minidoka Project on days when that Project is drawing stored water at a rate in excess of the gain.

There were about 10,800 acre-ft. of natural flow delivered to the Gooding Project June 3-4, 10-16, after storage draft on American Falls Reservoir began, in accordance with the instructions of the Commissioner of the U. S. Bureau of Reclamation dated April 6, 1936. These instructions provided a method of dividing any water available for the Mar. 30, 1921, priority between the American Falls Reservoir and the Gooding Project.

#### STORED WATER DELIVERIES

Allotments of Reservoir water were made as follows:

##### American Falls Allotment for 1942

No storage charges prior to June 2 as water was spilling past Milner to waste until then.

Reservoir contents June 2 - 1,716,890 acre-ft.

The excess of 16,890 acre-ft. over rated capacity was allotted pro rata to each owned and leased right.

##### Jackson Lake Allotment for 1942

No water was available for the Jackson Lake priority after the morning of June 28, at which time the Lake held 851,840 acre-ft.

Of this amount 40,680 acre-ft. represents the quantity measured at Jackson Lake, due American Falls Reservoir to replace water delivered therefrom to canals below Neeley to fill normal flow rights prior to the top right in Jackson Lake.

This leaves 811,160 acre-ft. for allotment to Jackson Lake rights. Bottom rights are 437,810 acre-ft. leaving 373,350 acre-ft. or 91.24% for top rights.

Jackson Lake filled on June 24, but spilled some water June 24-27, inclusive, that could have been retained under the Jackson Lake priority if the reservoir had not previously filled with stored normal flow. Such amounts June 24-27 are listed on Plate 12 as stored water at the Moran station and are used to offset an equivalent amount of stored normal (minus storage), prior to June 24, the allotment being made as of June 28 a.m.

1942 Storage Allotments in Acre-feet  
Owned and leased space Jackson Lake and American Falls  
(Downstream order from Heise)

Canal	J. Lake right	Am. Falls owned right	Am. Falls lease	Total Allotment
Poplar Irr. Dist.	1,200	801	374	2,375
Progressive Irr. Dist.	0	14,754	7,483	22,237
Farmers Friend	2,000	0	0	2,000
Enterprise Canal Co.	6,100	10,613	4,957	21,670
Harrison	5,000	12,113	6,144	23,257
Rudy	2,000	2,020	1,024	5,044
Burgess	5,120	7,570	4,371	17,061
Lowder	1,040	0	0	1,040
Sunnydell	4,000	0	0	4,000
Lenroot	3,000	4,549	2,307	9,856
Reid	0	3,032	1,416	4,448
Dilts	0	1,044	529	1,573
Enterprise Irr. Dist.	0	12,119	9,835	21,954
Butte & Market Lake	0	3,032	1,416	4,448
Osgood	0	16,010	8,122	24,132
Bear Island	0	227	106	333
Smith	0	80	41	121
Kennedy	355	0	0	355
Idaho	0	27,254	12,727	39,981
Martin	1,500	2,272	1,060	4,832
New Sweden	5,000	28,811	14,615	48,426
Woodville	0	9,089	4,242	13,331
Snake River Valley	15,000	27,918	13,037	55,955
Blackfoot	0	15,182	7,090	22,272

Canal	J. Lake right	Am. Falls owned right	Am. Falls lease	Total Allotment
Peoples	8,000	22,743	11,536	42,279
Aberdeen	42,685	41,743	56,571	140,999
Corbett	0	4,040	1,887	5,927
Trego	0	1,477	690	2,167
Minidoka Dist.	186,030	50,497	25,615	262,142
Burley Dist.	139,780	0	25,248	165,028
Milner Low Lift	0	34,452	16,089	50,541
Twin Falls Canal	88,670	152,687	20,199	261,556
No. Side Project	294,680	323,438	179,171	797,289
Gooding	0	403,974	0	403,974
Idaho Power Co.	0	45,447	0	45,447
Total	811,160	1,278,988	437,902	2,528,050

The foregoing figures do not include small amounts of American Falls Refill storage credited to four lower valley canals.

#### American Falls Refill 1942

Some water accumulated to the American Falls Reservoir right June 2-3, 9-15, amounting to 14,625 acre-ft. No water was available for its priority after June 15.

This refill water was divided among the various projects in proportion to their use of storage up to June 15 as follows:

Minidoka Project	1,523	acre-ft.
Gooding Project	12,074	"
North Side Project	420	"
Milner Low Lift	608	"
Total	14,625	"

#### Lake Walcott Allotment for 1942

Contents on June 2 were 100,370 acre-ft. which was credited to the Minidoka Project.

That Project was also credited with 35,800 acre-ft. gain Neeley to Milner on days it was drawing storage.

Water discharged into the river from the Market Lake Springs amounted to 1220 acre-ft. during the period of storage use. This was diverted through the Great Western and Kennedy Canals.

Daily storage diversions by main river canals are shown on Plate 14. Storage diversions by Henrys Fork Canals are shown on Plate 22. The slight leakage past Milner at times when the Idaho Power Co. was not drawing storage was not charged to any specific canals.

Under the terms of the new lease agreement of Government owned storage at American Falls, all participants in the lease who desire to rent any of their stored water, up to the amount of their lease, list it with the Bureau of Reclamation for sale. It is sold at 30¢ per acre-ft., one-half of the purchase price being retained by the Government and one-half being paid to the company selling the water to reimburse it for the actual cost of the lease water. During the 1942 season there were a total of 23,342 acre-ft. of water leased under this arrangement. The canals buying this water and the amount purchased by each are shown on Plate 14. Most of the sales were to small individual users, some of whom are in the Swan Valley section and some who have inadequate individual rights under various Snake River canals.

There were several of the canals that diverted part of their storage to lands owned by their stockholders under other ditches, as shown by the "Notes" on Plate 14, but there were no sales of storage by participants in the American Falls lease except those made through the Burley office of the Bureau of Reclamation.

No attempt was made to determine from the various companies owning both Jackson Lake and American Falls water how they wanted their storage use charged in 1942, so it is not possible at this time to compute the

American Falls water remaining in Jackson Lake on Sept. 30, 1942. If American Falls Reservoir fills in 1943, it will be unnecessary to do so; if it fails to fill the companies can then decide how they want their 1942 holdovers apportioned as between the two reservoirs.

There was a net total of 15,000 acre-ft. of Jackson Lake storage carried past Clough's during the season, in addition to repaying the normal flow temporarily stored in the upper Reservoirs or diverted as storage prior to July 14, and represented by minus storage quantities at Clough's on Plates 12-13.

A summary of Storage Allotments and Use for the season of 1942 in the entire District is as follows:

Storage Supply

Jackson Lake allotment	811,160 acre-ft.
American Falls allotment	1,716,890 " "
American Falls refill after allotment	14,625 " "
Lake Walcott allotment	100,370 " "
Neeley to Milner Gain	55,176 " "
Market Lake Springs	1,220 " "
Henry's Lake	55,772 " "
Island Park	132,710 " "
Grassy Lake	15,182 " "
Sheridan Cr. right of F. M. District	<u>1,356 " "</u>
Total	2,904,461 " "

The gain Neeley to Milner, Market Lake Springs and Sheridan Creek right are not reservoir storage rights but are classified as stored water for convenience in tabulation and distribution.

Storage Use

Delivered to Snake River Users	1,799,602 acre-ft.
Delivered to Henry's Fork Users	123,128 " "
Transmission losses	38,900 " "
American Falls Res. loss after June 15	5,219 " "
Reservoir holdovers Sept. 30	<u>940,580 " "</u>
Total	2,907,429 " "

The difference between the two totals is due to using Sept. 30 as the holdover and end of season date at all points in the District without allowing for time interval and to the fact that about 3,000 acre-ft. of the tabulated holdover at Henrys Lake is unavailable as it is dead storage and is deducted when making the allotments.

#### 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 1942

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

Station	May	June	July	Aug.	Sept.	Season
Moran	7,243	28,222	151,434	107,849	64,229	358,977
Heise	288,470	407,800	358,000	262,940	155,370	1,472,580
Riley Ditch	130	843	720	412	139	2,244
Heise & Riley	288,600	408,643	358,720	263,352	155,509	1,474,824
Total gain s.f.	281,357	330,421	207,286	155,503	91,280	1,115,847
Mean gain s.f.	9,076	12,681	6,687	5,016	3,043	7,293
Tot. gain ac.ft.	558,063	754,554	411,145	308,436	181,051	2,213,249

The total gain for the season was about 15% greater than during 1941. It was greater during June, July, and August, but less during May and September than the year previous.

#### Gain in Snake River, Heise to Shelley Stations 1942

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

Station	May	June	July	Aug.	Sept.	Season
Heise & Riley	288,600	408,643	358,720	263,352	155,509	1,474,824
Rexburg	87,060	78,520	30,288	28,063	33,593	257,524
Total Supply	375,660	487,163	389,008	291,415	189,102	1,732,348
Diversions	97,437	240,360	259,140	222,470	143,990	963,397
Shelley	280,490	266,730	158,760	92,110	76,380	874,470
Total use	377,927	507,090	417,900	314,580	220,370	1,837,867
Tot. gain s.f.	2,267	19,927	28,892	23,165	31,268	105,519
Mean gain s.f.	73	664	932	747	1,042	690
Tot. gain ac.ft.	4,497	39,525	57,306	45,947	62,020	209,295

The average daily gain in this section was 161 sec.-ft. greater than in 1941. There even was a slight gain in May instead of the usual loss during that month. The ground water levels in this area must have been higher in 1942 than any year since 1938, if the gain is taken as an indicator of such levels.

Loss or Gain in Snake River, Shelley to Clough Stations  
1942

+ is gain, - is loss  
(Shelley dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Season
Shelley	278,350	269,120	160,930	92,910	77,180	878,490
Blackfoot R.	7,753	1,312	392	193	1,094	10,744
Total supply	286,103	270,432	161,322	93,103	78,274	889,234
Diversions	60,826	104,470	103,760	74,010	53,160	396,226
Clough	219,160	163,358	52,095	17,575	26,309	478,497
Total Use	279,986	267,828	155,855	91,585	79,469	874,723
Tot.diff. s.f.	- 6,117	- 2,604	- 5,467	- 1,518	+ 1,195	-14,511
Mean diff. s.f.	- 197	- 87	- 176	- 49	+ 40	- 95
Tot.diff. ac.ft.	-12,133	- 5,165	-10,843	- 3,010	+ 2,370	-28,781

The actual loss in this section is greater than the above figures by the amount of unmeasured waste into the river plus about 150 sec.-ft. of groundwater inflow that enters the river a short distance above the Clough station. The apparent gain during September is no doubt due to extra canal wastage during that month resulting from rains and reduced demand.

Loss or Gain in Snake River, Clough to Neeley Stations  
1942

+ is gain, - is loss  
(Neeley dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Season
Clough	217,905	166,088	57,103	17,789	25,740	484,625
Inflow	99,515	83,752	82,106	80,883	81,060	427,316
Res. Draft	-3,401	50,837	226,248	254,949	124,224	652,857
Total Supply	314,019	300,677	365,457	353,621	231,024	1,564,798
Neeley	317,130	290,890	361,040	356,100	233,880	1,559,040
Tot.diff. s.f.	+ 3,111	- 9,787	- 4,417	+ 2,479	+ 2,856	- 5,758
Mean diff. s.f.	+ 100	- 326	- 142	+ 80	+ 95	- 38
Tot.diff. ac.ft.	+ 6,170	-19,412	- 8,761	+ 4,917	+ 5,665	-11,421

The gain during May was probably due to the cold rainy weather. May precipitation at American Falls was 2.69" which is 1.05" above normal, while the temperature was 4° below normal. This precipitation over the area of reservoir surface flooded in May would amount to about 12,000 acre-ft. There probably was also some undetected local inflow from rain on the area surrounding the reservoir.

The last water available for the American Falls Reservoir right was June 15. While there were 10,582 acre-ft. of bank storage gain during August and September, the loss from June 16 to July 31 was 15,801 acre-ft., leaving a net loss of 5,219 acre-ft. during the draw-down period June 15 to September 30. This is about 0.3% of the Reservoir capacity. Only in 1936 and 1938 during the past 10 years has American Falls Reservoir remained at as high levels during June to September as it did in 1942. The past records disclose greater losses and less bank storage return whenever the reservoir remains at higher than usual elevations during the summer months.

Loss in Snake River, Neeley to Minidoka Stations  
1942

Station	(Minidoka dates and 24-hr. sec.-ft. except as noted)					Season
	May	June	July	Aug.	Sept.	
Neeley	316,630	292,580	360,150	356,330	236,370	1,562,060
Walcott draft	- 761	3,615	- 265	30	441	3,060
Total supply	315,869	296,195	359,885	356,360	236,811	1,565,120
N. Minidoka	32,520	44,730	51,570	47,420	27,628	203,868
S. Minidoka	11,486	33,399	39,730	38,390	23,215	146,220
Minidoka	269,820	213,110	261,540	263,550	183,800	1,191,820
Tot. acct. for	313,826	291,239	352,840	349,360	234,643	1,541,903
Tot. loss s.f.	2,043	4,956	7,045	7,000	2,168	23,212
Mean loss s.f.	66	165	227	226	72	152
Tot. loss ac.ft.	4,052	9,830	13,973	13,884	4,300	46,039

The loss in Lake Walcott for the 1942 season was about twice as great as in 1941 due to holding the Lake at higher levels and not making the usual September drawdown. It was desired to lower the lake level at American Falls Reservoir as much as possible to permit some repair work to be done on the dam in the fall of 1942, hence water for the Minidoka canals was drawn from that reservoir rather than Lake Walcott.

Gain in Snake River, Minidoka to Milner Stations  
1942

Station	(Milner dates and 24-hr. sec.-ft. except as noted)					Season
	May	June	July	Aug.	Sept.	
Minidoka	270,120	216,060	260,635	263,755	186,775	1,197,345
P. A.	1,804	1,861	1,912	1,927	1,616	9,120
Milner Low Lift	3,703	4,170	5,069	5,159	3,980	22,081
Gooding	65,620	65,530	76,320	73,880	60,390	341,740
No. Milner	61,290	66,990	79,330	80,950	53,159	341,719
So. Milner	88,400	89,100	106,870	109,090	75,120	468,580
Milner	60,946	4,149	338	4,499	10,195	80,127
Tot. acct. for	281,763	231,800	269,839	275,505	204,460	1,263,367
Tot. gain s.f.	11,643	15,740	9,204	11,750	17,685	66,022
Mean gain s.f.	376	525	297	379	590	432
Tot. gain ac.ft.	23,093	31,220	18,256	23,306	35,078	130,953

The gain between the Minidoka to Milner dams for the entire season was about 30,000 acre-ft. greater than in 1941. This includes surface waste from the Minidoka Canals as well as groundwater inflow. No correction is made for changes in the level of Milner Lake which was about 0.5' lower on September 30 than it was on May 1. A substantial amount of the gain occurred during September when the canals were steadily reducing their use.

The total gain between Neeley and Milner for the period May to September amounted to 84,914 acre-ft., of which 55,176 acre-ft. occurred after the final American Falls Reservoir allotment on June 15. The gain on the days after June 15 that the Minidoka project was drawing stored

water in excess of the daily gain was allotted to that project as follows:

June 16-30	=	3,460	acre-ft.
July	=	4,150	" "
August	=	9,420	" "
September	=	<u>18,770</u>	" "
Total		35,800	" "

The remaining 19,376 acre-ft. of gain after June 15 occurring on days when the gain was in excess of storage being drawn by the Minidoka Project was not allotted. Most of this unallotted gain occurred after September 15, and as all canals below American Falls had substantial holdovers they did not need it, and it remained in American Falls Reservoir at the close of the season on September 30.

#### DISTRIBUTION ON HENRYS FORK

Mr. Melvin Luke again served as Deputy Watermaster on Henrys Fork, Lower Teton and Fall Rivers, with headquarters at St. Anthony. Water supply in this area was ample for those canals that could receive stored water, the only shortages being on tributary headwater creeks where the supply was limited by the stream flow.

Island Park Reservoir filled to spillway level on April 10, 1942, being the first of the District 36 reservoirs to fill. Grassy Lake filled on May 27, one day before its priority right was cut. This is the first time that it has filled to capacity. Henrys Lake reached a maximum storage of 66,862 acre-ft. on July 16-17, but part of this was accumulated normal flow due prior downstream rights. Due to the failure of Henrys Lake users to sign a contract with the Government and Fremont Madison Irrigation District authorizing holdover storage at Henrys Lake, the Henrys Lake users were obliged to draw their stored water from

Henry's Lake in 1942 instead of borrowing Island Park water as has been done for several years past. If the proposed contract had been in effect it would not have been necessary to release any storage from Henry's Lake in 1942.

A daily charge of 30 sec.-ft. for loss in Island Park Reservoir was made from May 28 to July 10, inclusive, during the regulation period prior to beginning of storage draft from that Reservoir. This was recovered for the reservoir owners by crediting the same daily quantity as stored water from Reservoir bank storage from July 30 to September 11, in addition to the water actually withdrawn from the Reservoir.

The Bureau of Reclamation approved the policy followed by the water-master since Island Park Reservoir was built of allowing the Fremont-Madison District to supply all requests for stored water rentals on Henry's Fork and tributaries as long as it had water available to rent. On this account the only American Falls Reservoir water allotted in the Henry's Fork territory was the Enterprise Irrigation District allotment of 21,954 acre-ft.

During the period of storage diversion on Henry's Fork, July 12 to September 13, the following amounts of water were delivered past the lowest canal heading on Henry's Fork to Snake River:

July 16-31	9,600	acre-ft.
August	21,000	" "
September 1-12	<u>14,000</u>	" "
Total	44,600	" "

This would have been available for exchange in the Henry's Fork area if Snake River water was available through rental or ownership to make the trade.

The 1942 draft on Grassy Lake amounted to about 4200 acre-ft. Of this amount 900 acre-ft. were needed to supply storage demands on Fall River and the balance was delivered past the Chester gaging station, below all Fall River diversions, to downstream canals on Henrys Fork.

Natural flow rights on Henrys Fork and Fall River were regulated according to the Snake River schedule given on page 10, except for a few days about the middle of July when a slight shortage existed as compared to the priorities being filled on Snake River.

Rights on Teton River were regulated according to the Snake River schedule except July 28 to September 13, when the Teton River was regulated as follows:

July 28	Cut to Oct. 1, 1889
Aug. 4	Cut to June 1, 1885
Aug. 9	Filled 75% June 1, 1885
Aug. 10	Filled 50% June 1, 1885
Aug. 13	Filled 25% June 1, 1885
Aug. 17	Cut off June 1, 1885
Aug. 25	Filled 25% June 1, 1885
Sept. 11	Cut off 1885 rights
Sept. 13	Restored all rights due to rain.

Stored water allotments for the Henrys Fork Reservoirs were made as follows:

Henrys Lake Allotment 1942

No storage accumulation for Henrys Lake priority after July 7.

Lake Contents July 7 66,376 acre-ft.

Subtract:

Stored normal flow due Am.  
Falls Res. to replace water  
delivered to prior rights  
downstream

Est. dead storage & loss

7,604 ac.ft.
3,000 "
<u>10,604 "</u>

10,604 acre-feet

Available for allotment

55,772 acre-feet

Allotted as follows:

	Percent	Acre-feet
Last Chance & Dowe	15.3	8,533
St. Anthony Union	6.8	3,792
Salem Union	24.2	13,497
Egin	6.8	3,793
Independent	26.8	14,947
Consolidated Farmers	20.1	11,210
Total		55,772

Island Park Reservoir

This reservoir reached a maximum storage level on May 29 of 137,230 acre-ft. With its free overflow spillway this gradually dropped, due to decreasing inflow, to 132,710 acre-ft. on July 11, when storage draft began. The 132,710 acre-ft. contents on July 11 were allotted as the available storage supply in this Reservoir.

Grassy Lake Reservoir

This reservoir filled to its rated capacity, 15,182 acre-ft., on May 28, the last day for which any water was available for its priority.

Allotments and use of storage by the various canals are shown on Plate 22.

The total storage supply of the Fremont Madison District was:

Island Park Reservoir	132,710	acre-ft.
Grassy Lake	15,182	" "
Yield of Sheridan Cr. decree	1,356	" "
Total	149,248	" "

Disposal of this water was as follows:

Regular allotment from Island Park & Grassy Lake	109,435	acre-ft.
Allotment of Sheridan Creek decree	1,356	" "
Additional allotment to F. M. District canals	(a) 10,338	" "
Rentals	7,413	" "
Unallotted	20,706	" "
Total	149,248	" "

(a) 25% of regular allotment to such canals as exhausted their regular allotment.

The water rented by the Fremont-Madison District was on the basis of 60¢ per acre-ft., except 1,225 acre-ft. rented to Teton Basin Canals at 30¢ per acre-ft. to meet the American Falls rental price during the period that Teton River was being regulated according to the Snake River schedule of priorities.

The segregation of flow at the various measuring stations from Henrys Lake to Rexburg is shown on Plate 21. The net retention of Snake River water by Henrys Fork users, after supplying all adverse storage items at upstream reservoirs, appears on this Plate as a minus seasonal storage total at Rexburg. This total of 17,368 sec.-ft. is equal to 34,449 acre-ft. at Rexburg.

The Enterprise Canal diverted 17,802 acre-ft. of this as American Falls water, leaving 16,647 acre-ft. at Rexburg or 17,072 acre-ft. at Island Park due American Falls Reservoir if it fails to fill in 1943. This water retained on Henrys Fork was replaced by storage drawn from Jackson Lake which would otherwise have been delivered as storage past the Clough station on Snake River to American Falls Reservoir.

Henrys Lake users were not allowed to borrow water from Island Park Reservoir in 1942, hence there was no Island Park water in Henrys Lake at the close of the 1942 season. The loss in Henrys Lake during the period of storage draft July 17 to September 12 was 2,260 acre-ft.

The water used in Teton Basin during the period that Teton River was cut to earlier priorities than Snake River was all transferred to the June 1, 1885 rights on Lower Teton River as these were the only ones affected by such use.

Daily diversion from Henrys Fork at head of Cross Cut Canal are shown on Plates 17-20, and daily discharge of this canal below the

highway and below Fall River Canal diversions are given on Plate 22.

The following is a summary of the 1942 operation of this canal:

Totals in 24-hr. sec.-ft.

Month	Cross Cut at head	Fall R. Canal Inflow	North Diversion	Middle Diversion	Cross Cut below Highway	Cross Cut at End
May 1-29	2,966	-	-	-	-	-
July 14-31	4,090	271	1,954	-	0	0
August	9,010	275	3,175	1,656	751	618
Sept. 1-4	690	40	360	2,739	3,371	3,071
				344	26	20
Total					4,148	3,709

Water was delivered through this canal to Teton River from July 25 to September 1, inclusive. The loss for the period averaged 10.6%. The Fall River Canal used 25,000 acre-ft. of water through the Cross Cut Canal in 1942, of which 5,880 acre-ft. was drawn during May when there was plenty of water in Fall River.

The following tabulation is similar to that given on pages 18-19 for canals on the main Snake River:

Diversions and Irrigated Areas on Henrys Fork,  
Fall River, and Lower Teton River, 1942

Canal	Diversions May to Sept (acre-ft.)	Area under canal (acres)	Area Irrigated (acres)	Diversions acre-ft. per acre
<u>Fall River Canals</u>				
Yellowstone	1,870	5,000	1,000	1.9
Harrigfeld	0	2,140	0	0
Marysville	28,100	15,000	12,800	2.2
Farmers Own	10,400	10,200	6,500	1.6
Almy	0	60	0	0
Enterprise	35,800	7,000	6,000	6.0
Bell	1,710	160	160	10.7
Fall River	88,500 (a)	8,000	8,000	11.0
McBee	678	300	90	7.5
Chester	10,400	2,000	1,325	7.8
Silkey	3,140	620	440	7.1
Cur	10,600	1,570	1,500	7.1
Total Fall River	191,198	52,050	37,815	5.0

(a) Includes 25,000 acre-ft. diverted through Cross Cut Canal.

Canal	Diversions May to Sept. (acre-ft.)	Area under canal (acres)	Area Irrigated (acres)	Diversions Acre-ft. per acre
<u>Henry's Fork Canals</u>				
Dewey	3,870	1,800	1,000	3.9
Last Chance	14,900	1,900	1,840	8.1
St. Anthony Union	124,500	10,000	10,000	12.4
Farmers Friend	24,800	2,900	2,900	8.5
Twin Groves	30,500	2,500	2,500	12.2
Salem Union	43,100	5,500	5,300	8.1
Egin	81,400	6,000	6,000	13.6
Union Feeder	19,700	2,000	2,000	9.8
Independent	67,100	7,000	7,000	9.6
Consol. Farmers	51,500	8,000	6,000	8.6
Total Henry's Fork	461,370	47,600	44,540	10.3
<u>Lower Teton Canals</u>				
Siddoway	1,930	500	500	3.9
Wilford	27,500	1,800	1,800	15.3
Teton Irrigation	16,000	2,000	2,000	8.0
Good Luck	3,620	400	328	11.0
Pioneer	3,040	400	400	7.6
Stewart	3,340	366	366	9.1
Pincock-Byington	2,280	340	300	7.6
Pincock-Garner	4,030	580	440	9.2
Teton Island Feeder	85,500	10,500	10,400	8.2
North Salem	1,190	600	400	3.0
Roxana	(b) 2,340	720	720	3.2
Island Ward	8,010	3,300	3,000	2.7
Woodmanse-Johnson	4,500	1,250	1,000	4.5
City of Rexburg	9,870	1,290	1,100	9.0
Rexburg Irrig.	52,800	5,650	5,280	10.0
McCormick-Rowe	1,220	160	150	8.1
Saury Sommers	3,170	640	640	5.0
Total Teton River	230,340	30,496	28,824	8.0
Total Henry's Fork, Fall River, and Teton River.	882,908	130,146	111,179	8.0

(b) Also receives water through Consol. Farmers from Henry's Fork.

Total diversions were about 4.5% greater than in 1941, the increase all occurring on Fall River and Henry's Fork. Many of the Teton River

canals diverted less water in 1942 than in 1941. Stored water diverted by the canals on Henrys Fork and tributaries amounted to 123,128 acre-ft. or 14% of the total diversions.

Seasonal records are available on some of the larger canals diverting from tributaries of Fall and Teton Rivers as follows:

Canal	Diversions May to Sept. (acre-ft.)	Area under canal (acres)	Area Irrigated (acres)	Diversions Acre-ft. per Acre
Squirrel Creek	700	1,000	300	2.3
Conant Creek	4,500	1,500	1,000	4.5
Canyon Creek	4,230	6,300	2,500	1.7
String Canal	10,900	2,117	1,985	5.5
Trail Cr. Irrig. Co.	26,600	6,000	4,700	5.7
Fox Cr. Irrig. Co.	11,900	3,959	2,800	4.2
Grand Teton Canal	26,800	9,000	6,500	4.1

Most of these canals divert heavily during the flood water season but are quite short of water after mid-July.

Several trips were made into the Island Park section for regulation purposes at intervals of about every two weeks after the flood waters were over. Users in that area purchased 337 acre-feet of storage from the Fremont Madison District and were permitted to divert twice that amount, allowing for 50% return flow to the stream.

#### River gains and losses in Henrys Fork Basin

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

Lake to Island Park	20 hrs.
Island Park to Warm River	14 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 Island Park Stations, 1942

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

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
Lake	312	328	2,882	8,686	1,625	13,833
I. P. Res.release	-1,089	1,603	14,474	17,898	4,502	37,388
Total Supply	- 777	1,931	17,356	26,584	6,127	51,221
Island Park	27,610	25,808	30,901	39,170	19,304	142,793
Tot.gain s.f.	28,387	23,877	13,545	12,586	13,177	91,572
Mean gain s.f.	916	796	437	406	439	599
Tot.gain ac.-ft.	56,305	47,360	26,866	24,964	26,136	181,631

The gain or inflow in this section was 48,000 acre-ft. greater than in 1941, most of same occurring during the high water months of May and June. May precipitation at Island Park dam was 4.40" compared to 2.16" normal.

Gain in Henrys Fork, Island Park to Warm River Stations, 1942

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

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
Island Park	27,398	26,118	30,267	39,596	19,621	143,000
Warm River	44,050	40,190	41,931	49,400	30,291	205,862
Tot.gain s.f.	16,652	14,072	11,664	9,804	10,670	62,862
Mean gain s.f.	537	469	376	316	356	411
Tot.gain ac.ft.	33,029	27,912	23,135	19,446	21,164	124,686

The seasonal gain was about 12,000 acre-ft. greater than in 1941, of which 11,000 acre-ft. occurred during May and June.

Gain in Henrys Fork, Warm River to Ashton Stations, 1942

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

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
Warm River	43,972	40,309	41,734	49,558	30,391	205,964
Ashton	68,260	55,290	53,740	61,120	40,040	278,450
Total gain s.f.	24,288	14,981	12,006	11,562	9,649	72,486
Mean gain s.f.	783	499	387	373	322	474
Tot. gain ac.ft.	48,174	29,715	23,814	22,933	19,138	143,774

The gain in this section comes mostly from the inflow of Warm River and Robinson Creek. It was about 23,000 acre-ft. greater than in 1941, or an average daily increase of 77 sec.-ft.

Gain in Fall River, Squirrel to Chester Stations, 1942

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

Station	May	June	July	Aug.	Sept.	Season
Squirrel	39,723	59,750	24,112	13,790	13,272	150,647
Diversions	5,151	22,940	16,981	13,053	10,664	68,789
Chester	43,674	43,031	8,638	2,736	4,915	102,994
Tot. acct. for	48,825	65,971	25,619	15,789	15,579	171,783
Tot. gain s.f.	9,102	6,221	1,507	1,999	2,307	21,136
Mean gain s.f.	294	207	49	64	77	138
Tot. gain ac.-ft.	18,053	12,339	2,989	3,964	4,576	41,921

The seasonal gain was practically the same as in 1941.

Gain in Henrys Fork, Ashton to St. Anthony Stations, 1942

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

Station	May	June	July	Aug.	Sept.	Season
Ashton	68,125	55,488	53,527	61,293	40,167	278,600
Chester	43,556	43,184	8,760	2,721	4,906	103,127
Tot. Supply	111,681	98,672	62,287	64,014	45,073	381,727
Diversions	30,611	31,958	31,342	31,293	13,396	138,600
St. Anthony	84,820	68,040	32,775	34,138	32,989	252,762
Tot. acct. for	115,431	99,998	64,117	65,431	46,385	391,362
Tot. gain s.f.	3,750	1,326	1,830	1,417	1,312	9,635
Mean gain s.f.	121	44	59	46	44	63
Tot. gain ac.-ft.	7,438	2,630	3,629	2,810	2,602	19,109

The average daily gain was 12 sec.-ft. greater than in 1941.

Gain in Henrys Fork and Teton River, St. Anthony  
to Rexburg stations, 1942

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

St. Anthony	84,820	68,040	32,775	34,138	32,989	252,762
Teton R.	46,890	60,560	32,805	21,815	15,888	177,958
Tot. Supply	131,710	128,600	65,580	55,953	48,877	430,720
H.Fk, diversions	23,996	29,161	23,986	21,080	12,514	110,737
Teton diversions	16,309	34,821	29,282	22,087	13,726	116,225
Rexburg	87,575	77,710	30,078	27,974	33,687	257,024
Tot. acct. for	127,880	141,692	83,346	71,141	59,927	483,986
Tot. gain s.f.	- 3,830	13,092	17,766	15,188	11,050	53,266
Mean gain s.f.	- 123	436	573	490	368	348
Tot. gain ac.-ft.	- 7,596	25,967	35,238	30,125	21,917	105,651

The seasonal gain of 105,651 acre-ft. was the least since 1934 when it was 46,000 acre-ft. In May an actual loss occurred, as was

also the case in September 1934. Due to cold rainy weather May diversions were the lowest ever recorded, except May 1927, and it appears probable that the ground water levels south of St. Anthony were below river level on May 1, 1942. Many local residents in this area reported that their wells were dry in the spring of 1942 for the first time since drilled. They attributed the low levels to the fact that the Fall River canal froze up at the head during the preceding winter and the usual supply of winter water was not run in the canal. Teton river users diverted all the water in that stream from about July 24 to September 12; at other times some water was delivered from Teton River to Henrys Fork.

#### TETON BASIN

Mr. Oleen Dummer again served as deputy watermaster and hydrographer in the Teton Basin section. He worked from May 13 to Aug. 31. After September 1st the demand for water had decreased to a point where the local users divided it among themselves without trouble.

Storage rented by Teton Basin users was as follows:

Trail Cr. Irrig. Co.	2,855	acre-ft.
String Canal Co.	997	"
So. Leigh Creek	214	"
No. Leigh & Spring Cr.	247	"
Swamps	17	"
Total	4,330	" (Reservoir meast.)

There was no stored water sold on other tributaries in Teton Basin as their flow had dropped so low by the time their rights were cut that the water would not reach Teton River.

Of the total storage rented 1,225 acre-ft. less loss, were delivered to Snake River users for water used prior to July 28, and cost 30¢ per acre-ft. The balance of the storage cost 60¢ per acre-ft. and

was delivered, less loss, to users on lower Teton River through the Cross-Cut Canal. The storage was all rented from the Fremont-Madison Irrigation District. Daily use is shown on Plate 22.

The storage sold in Teton Basin was on the basis of delivering to lower users 1/2 of the quantity diverted by the upstream canals, on the theory that, considering channel losses and return flow, the lower users would get at least as much water this way as they would if the Teton Basin rights were cut off and the water allowed to flow down the stream channels. Allowing for 10% loss in the Cross-Cut Canal and 2.5% river loss below Island Park dam, the Teton Basin users were able to divert 1-3/4 acre-ft. for each acre-ft. of storage purchased in Island Park Reservoir.

The waters on Teton Creek were regulated jointly by T. Ross Wilson, Deputy Water Commissioner for Wyoming, and Mr. Dummer, representing the Idaho rights, in accordance with the following tabulation.

Teton Creek Regulation 1942

Date	Total Available Flow Sec.-ft.	Sec.-ft. in Wyoming Canals after regulation				
		Woddell	Central	Brown, et al.	So. Side	Total
July 21	154.7	7.7	7.2	19.6	27	61.5
" 24	118.1	7.4	6.7	20.5	19.5	54.1
" 28	108.8	7.1	6.6	14.0	17.1	44.8
" 31	82.7	6.5	5.1	17.2	12.5	41.3
Aug. 4	65.4	5.2	4.0	13.6	9.9	32.7
" 7	57.9	4.5	3.6	12.0	8.8	28.9
" 11	51.4	4.0	3.2	10.7	7.8	25.7
" 14	42.6	3.3	2.6	8.9	6.5	21.3
" 18	38.0	3.0	2.3	7.9	5.8	19.0
" 21	33.7	2.6	2.1	7.0	5.1	16.8
" 25	32.0	2.5	2.0	6.7	4.9	16.1

Note: On the first three dates the flow was divided, one inch per acre to all Wyoming rights desiring same, and balance to Idaho. On other dates it was divided 50% to Wyoming and 50% to Idaho. For discharge of Grand Teton Canal in Idaho see Plate 23. Total available flow is sum of all canal diversions measured before regulation.

The discharge of streams and canals on which a number of measurements were made is shown on Plate 23. The results of some additional miscellaneous measurements are tabulated below:

Discharge in Sec.-ft. of  
West Side Creeks in Teton Basin, 1942

<u>Creek</u>	<u>May 19</u>	<u>May 29</u>	<u>June 8</u>	<u>June 19</u>	<u>June 26</u>	<u>Aug. 13</u>
Packsaddle Creek	10.22		40.88		13.88	2.20
Dude Creek	1.34		0.65		0.40	0.20
Horseshoe Creek	26.10		31.50		13.97	4.08
Twin Creek (North, Middle, South)	8.01		7.34		3.24	0.50
Mahogany Creek	11.65		40.80	24.1	16.84	5.97
Paradise Creek	2.59		3.16		3.00	3.21
Bouquet Creek	1.64		1.44		2.08	1.31
Patterson Creek	5.74		5.27		3.69	1.48
Un-named Creek	0.45		.34		.20	.20
Grove Creek	0.60		.66		1.30	.90
Warm Springs	1.40		1.13		1.15	.64
Drake Springs	1.20		2.01		1.30	.94
John's Creek	4.79	5.97			2.74	1.17
Deep Creek	2.12	1.59			.14	.40
Pine Creek	34.69	24.6			2.23	.40
Warm Creek	10.75	13.6			22.15	8.41

Miscellaneous Darby Creek Diversions

<u>Date</u>	<u>Gage Ht. (feet)</u>	<u>Discharge (sec.-ft)</u>
<u>Cherry Grove Canal</u>		
June 2, 1942	3.52	0.4
	(Cherry Grove Cross cut 18.5 s.f.)	
June 18	4.82	31.1
July 2	5.02	38.7
July 15	4.10	8.9
<u>Cannon Canal</u>		
May 30	0.80	1.5
June 2	0.76	1.0
June 18	1.52	20.6
July 2	1.92	51.1
July 15	1.50	18.9
<u>Hill Canal</u>		
May 30, 1942	0.82	1.8
June 2	.80	1.8
June 18	1.50	27.7
July 2	1.78	43.8
July 15	1.26	14.0

<u>Date</u>	<u>Gage Ht.</u> <u>(feet)</u>	<u>Discharge</u> <u>(sec.-ft.)</u>
Todd Canal		
May 2	0.80	13.6
June 2	0.78	14.0
June 18	1.70	33.3
July 2	1.84	51.2
July 15	1.44	34.4

<u>Canal</u>	<u>Date</u>	<u>Discharge</u> <u>(sec.-ft.)</u>
South Leigh Cr. above Big Hogg Canal	Aug. 7, 1942	17.5
Little Hogg Canal in Mathews field	Aug. 16, 1942	3.4
South Leigh Cr. above Kilpack Canal	Aug. 16, 1942	4.4
Mathews ditch	Aug. 16, 1942	3.9
South Leigh Cr. above Kilpack Canal	Aug. 22, 1942	2.5
Big Hog Canal in Mathews field	Aug. 22, 1942	6.2

TRANSIT LOSS ON TRAIL CREEK

June 3, 1942

Supply:

a. Trail Cr. above String Canal	165.1 sec.-ft.
b. Game Creek	81.85 "
c. Creek west of Game Cr.	3.46 "
Total Supply	<u>250.41</u> "

Diversions:

a. String Canal	13.6 sec.-ft.
b. Kimball Canal	11.4 "
c. Town Canal	34.8 "
d. Ricks-Kirsley Canal	14.0 "
e. Spencer Canal	34.0 "
f. Humball Canal	16.6 "
g. Edwards ditch	.3 "
h. Tonks Canal	26.6 "
i. Job Porter's ditch	1.85 "
j. Davis Ditch	.00 "
Total flow diverted	<u>153.15</u> "

Amount reaching live water  
(Trail Creek) 67.56 "

Total accounted for 220.71 "

Total Loss from String Canal to live water 29.70 sec.-ft.

Note: Water had been flowing through to live water all spring as farmers had been diverting water for culinary purposes only. Precipitation for May had been above normal.

TRANSIT LOSS ON TRAIL CREEK

August 24, 1942

Supply at Head		
a. Moose and Trail Creek		52.8 sec.-ft.
b. Game Creek		<u>14.9</u> "
Total Supply		67.7 "

Diversions:

Leaking through closed gates and through one opened gate 13.0 sec.-ft.

Supply less diversions 54.7 sec.-ft.

Reaching live water 21.5 "

Transit Loss 33.2 "

It was estimated that if the water which was unavoidably as well as inadvertently diverted had gone down stream an additional 5 sec.-ft. would have been lost.

Total loss from String Canal to live water 38.2 sec.-ft.

TRANSIT LOSS ON FOX CREEK

June 11, 1942

Supply:		115.0 sec.-ft.
a. Fox Cr. above diversions		
b. Inflows.		
1. No. side - 1 mi. E. Highway	0.62	
2. No. side - 1 mi. E. Highway	0.30	
3. No. side - 1½ mi. E. Highway	7.73	
4. No. side - at Highway	0.60	
5. So. side - ½ mi. E. Highway	1.78	
6. No. side - ¼ mi. W. Highway	<u>5.41</u>	
Total inflow		<u>16.44</u> sec.-ft.
Total Supply		131.44 "

Diversions:

1. Canal - No. side, ½ Mi. E. Nichol's	47.19
2. Canal - So. side, SW Nichols	22.93
3. Shut off for repairs	15.70
4. Canal - So. side	17.05
5. Diversion - No. side, ¾ mi. E. highway	2.06
6. Diversion - So. side, ½ mi. E. highway	0.81
7. Diversion - So. side, ¼ mi. W. highway	<u>105.74</u> sec.-ft.
Total diverted	

## Transit Loss on Fox Creek cont'd.

Reaching live water

a. South Branch	1.32	sec.-ft.
b. North Branch	9.20	"
Total	<u>10.52</u>	"

Transit loss on this test

15.18 sec.-ft.

Note: This test was made following the receding of higher water, which had been flowing through the channel for about one week. The test was made four days after a heavy rain.

TRANSIT LOSS ON DARBY CREEK

June 2, 1942

Supply

a. Darby Creek at Forest Bridge 75.3 sec.-ft.

Diversions:

a. Floyd Winger's ditch (est.)	0.50	sec.-ft.
b. Hill Canal	1.84	"
c. Todd Canal 14.0 less A. Bowles Powerplant 4.03	9.97	"
d. Cannon Canal	0.97	"
e. #1 Cherry Grove Canal	0.40	"
f. Cherry Grove upper Cross Cut	18.49	"
g. Stone's Diversion at highway	9.30	"
h. Stone's Diversion W. of house	<u>5.25</u>	"
Total Diverted	46.72	

Flowing into live water 0.95 sec.-ft.

Transit Loss in Darby Creek on above date 27.63 sec.-ft.

Note: These measurements were made after a recession of high water (due to cold weather) which had been running in the old creek bed for about 9 days.

TRANSIT LOSS ON TETON CREEK

June 1, 1942

Supply:

Teton Creek (below Grand Teton Canal) 116.1 sec.-ft.

Diversions:

Central Teton Canal	5.58	sec.-ft.
Price-Fairbanks Ditch	0.59	"
Cordon-Christensen Ditch	<u>1.02</u>	"
Total flow diverted	7.19	"

Transit Loss on Teton Creek, cont'd.

Teton Creek - at Pole line above highway S.E. of Driggs, above inflow of Spring Cr.

48.0 sec.-ft.

Total Supply accounted for

55.19 sec.-ft.

Transit Loss on June 1, 1942

60.91 sec.-ft.

Note: High water had been running through the channel for about eight days previous to this test. It had previously taken a stream of 120 to 200 sec.-ft. three days to flow from the State Line to live water.

TRANSIT LOSS ON TETON CREEK  
from Grand Teton Canal diversion to Pole Line S. E. Driggs

June 20, 1942

Supply:

a. Teton Creek below G. T. Canal Div.

104.8 sec.-ft.

b. Inflow from Wodell Canal

2.10 "

Total

106.95 "

Diversions:

a. Central Teton Canal at Wyo. line 15.6 sec.-ft.

b. Price-Fairbanks Ditch 14.32 "

c. Cordon-Christensen Ditch

(shut off)

--

Total

29.92 "

Teton Creek at Pole Line

61.75 "

Total accounted for

91.62 sec.-ft.

Transit Loss for June 20, 1942

15.28 sec.-ft.

July 8, 1942

Supply:

Teton Creek below G. T. Canal

85.4 sec.-ft.

Inflow from Price-Fairbanks Ditch

7.5 "

Total

92.9 "

Diversions:

1. Central Teton Canal

23.3 sec.-ft.

2. Price-Fairbanks Ditch

13.23 "

Teton Creek at Live water

57.4 "

Total accounted for

93.93 sec.-ft.

Gain from Wyoming Line to live water

1.03 sec.-ft.

Transit Loss on Teton Creek, cont'd.

July 28, 1942

40 sec.-ft. was turned down creek. On July 29 there were 37 sec.-ft. at Bridge below Grant Teton Canal. The flow had gone down the channel to 1/4 mile south of south edge of cemetery east of Priggs.

TRANSIT LOSS ON SOUTH LEIGH CREEK  
from Wyo. line to State Highway

June 15, 1942

Supply:

So. Leigh Creek at Wyo. Line	167.1 sec.-ft.
Inflow from Spring by J. O. White barn	.73 "
Total Supply	<u>167.83</u> "

Diversions:

1. Little Ditch	30.85 sec.-ft.
2. Thomas Ditch	2.50 "
3. Burt Shaw Ditch	2.83 "
4. Ed Hansen Ditch	3.53 "
5. P. Hansen-Shaw Ditch	7.81 "
Total diversions	<u>47.52</u> "

Crossing highway:

a. Under Big Bridge	105.13 "
b. Through culvert No. of Bridge	5.38 "
	<u>110.51</u> "

Total accounted for

158.03 sec.-ft.

Transit Loss

9.80 sec.-ft.

TRANSIT LOSS ON MAHOGANY CREEK

June 19, 1942

Supply:

a. Mahogany Creek above all diversions	24.07 sec.-ft.
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Diversions:

1. O. J. Buxton, et al.	8.07 sec.-ft.
2. D. C. Buxton, et al.	5.35 "
3. Golden Wood, et al.	3.18 "
4. L. Buxton (Edwin Wood et al)	3.95 "
5. E. Carrington (last of Mahogany Cr.)	<u>1.10</u> "

Total accounted for

21.65 sec.-ft.

Transit loss on June 19, 1942

2.42 sec.-ft.

DISTRIBUTION IN SWAN VALLEY SECTION

Mr. F. S. Thomas of Irwin was appointed as Deputy Watermaster in this section. He worked from June 24 to September 10. Water-users rented 2501 acre-ft. of storage and were allowed to divert twice that quantity from the tributary creeks on the assumption that 50% of the water returned to the river during the irrigation season. The lands here are all underlain by porous gravel which permits fairly rapid drainage back to the river. Diversions are generally at the rate of from 1" to 2" per acre irrigated.

Discharge measurements of the Palisade Canal and several creeks in this area are shown on Plate 23.

PRECIPITATION IN INCHES

(Actual and normal for year ending Sept. 30, 1942)

Month	Snake R.		Moran, Wyo.		Afton, Wyo.		Bechler, Wyo.		Irwin, Ida.	
	Act.	Nor.	Act.	Nor.	Act.	Nor.	Act.	Nor.	Act.	Nor.
Oct. 1941	1.58	2.10	1.18	1.58	1.57	1.64	1.60	2.92	0.95	1.22
Nov.	1.99	2.04	1.98	1.69	2.58	1.88	1.82	2.95	1.47	1.00
Dec.	5.31	2.66	3.46	1.76	1.84	1.30	8.90	4.14	3.52	1.17
Jan. 1942	1.78	3.68	1.49	2.46	1.12	1.37	3.24	5.54	1.28	1.50
Feb.	2.89	2.98	2.16	2.20	1.08	1.23	6.65	3.67	.97	1.12
Mar.	1.53	3.61	1.22	2.56	.45	1.62	1.95	4.90	.83	1.32
Apr.	2.03	1.96	1.91	1.60	1.69	1.58	3.05	3.00	2.15	.86
May	4.48	2.40	3.44	1.98	2.92	2.12	5.55	3.42	3.77	1.66
June	1.54*	2.19	1.10	1.57	2.45	1.48	1.79	3.46	1.20	1.38
July	.90*	1.52	.66	1.12	.59	1.03	.32	2.32	.37	.93
Aug.	.59*	1.48	.53	1.34	.34	1.32	.30	1.31	.33	.98
Sept.	.57	1.78	.49	1.61	.52	1.52	1.28	1.68	.78	1.24
Year	25.24	28.40	19.62	21.47	17.15	18.09	36.45	39.31	17.62	14.38

\* estimated

## Precipitation in Inches (cont'd)

Month	Ashton		Idaho Falls		Pocatello		Twin Falls		Av. 9 stas.	
	Act.	Nor.	Act.	Nor.	Act.	Nor.	Act.	Nor.	Act.	Nor.
Oct. 1941	0.99	1.20	0.67	1.06	.47	1.16	0.66	0.90	1.07	1.53
Nov.	1.32	1.19	.70	.61	2.05	.89	.78	1.08	1.63	1.48
Dec.	2.83	1.56	1.61	.97	2.03	1.21	1.12	.89	3.40	1.74
Jan. 1942	1.14	1.82	.71	1.10	2.22	1.39	1.51	1.09	1.61	2.22
Feb.	1.65	1.29	.42	1.03	1.03	1.31	.87	.91	1.97	1.75
Mar.	.37	1.14	.34	.86	.30	1.31	.08	.98	.79	2.03
Apr.	.41	1.18	.46	.89	1.12	1.60	1.03	.98	1.54	1.52
May	2.57	1.97	.57	1.37	2.29	1.51	1.89	.99	3.05	1.94
June	.52	1.44	.53	1.10	.58	1.05	.13	.68	1.09	1.59
July	.12	.93	0	.61	.13	.85	.22	.37	.37	1.07
Aug.	.23	.70	.02	.61	.76	.64	0	.21	.34	.95
Sept.	.79	1.16	.93	.81	1.63	.74	.13	.55	.79	1.24
Year	12.94	15.58	6.96	11.02	14.61	13.66	8.42	9.63	17.65	19.06

The precipitation for the year was about 93% of normal. Pronounced monthly shortages occurred in October, March, and July to September, while December and May were the only months greatly above normal.

EXPENDITURES DURING YEAR ENDING DECEMBER 31, 1942Engineers & Hydrographers

Lynn Crandall	Salary 1 yr.	\$4999.92
W. V. Iorns	" "	3324.99
Melvin Luke	" 5 mos. @ \$190	950.00
Ival Goslin	" 4.47 mos. @ \$160	714.66
F. W. Tolles	" 3.30 mos. @ \$155	511.50
Oleen Dummer	" 3.62 mos. @ \$155	563.16
L. T. Burdick	" 8 days @ \$10	80.00

Clerks

Effie C. Jones	Salary 4.20 mos. @ \$140	603.69
Charlotte M. Elg	" 1 yr.	1680.00
Neva Iorns	" 16 da. @ \$120 mo.	64.00

River Riders

D. W. Archibald	82 days @ \$6.25 incl. mileage	512.50
D. R. Crystal	98 days @ \$5.75 " "	563.50
Paul Koller	35 days @ \$5.75 " "	201.25
Eugene Liljenquist	97 days @ \$5.25 " "	509.25
H. M. Bramwell	98 days @ \$5.75 " "	563.50
F. S. Thomas	77 days @ \$5.00 " "	395.00
Joe Bohi	59 days @ \$5.25 " "	309.75
Walter C. Lenz	2.40 mo. @ \$40 mo. " "	95.08

Miscellaneous

Transportation, 3,137 miles @ 4¢ a mile;	1936.06
40,236 miles @ 4½¢ a mile.	365.83
Telephone & Telegraph	1022.06
Supplies and equipment	644.57
Gage Readers	175.23
Construction and repairs	83.38
Bond premium and insurance	565.64
Miscellaneous	

Total	\$21,434.52
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Expenditures from various funds

Stored and Normal Flow account	\$13,189.08
Storage Sales account	7.70
State of Idaho Stream Gaging fund	1,421.68
U. S. Geological Survey	<u>6,816.06</u>
Total	\$21,434.52

In addition to the foregoing, upper valley members of the Committee of Nine were paid \$87.00 for services at \$5 per day and expenses, which were pro-rated among upper valley canals.

Funds on hand January 1, 1943

District #36 Water distribution fund	\$9,518.08
State of Idaho Stream Gaging fund *	0
U. S. Geological Survey	<u>3,297.82</u>
Total	\$12,815.90

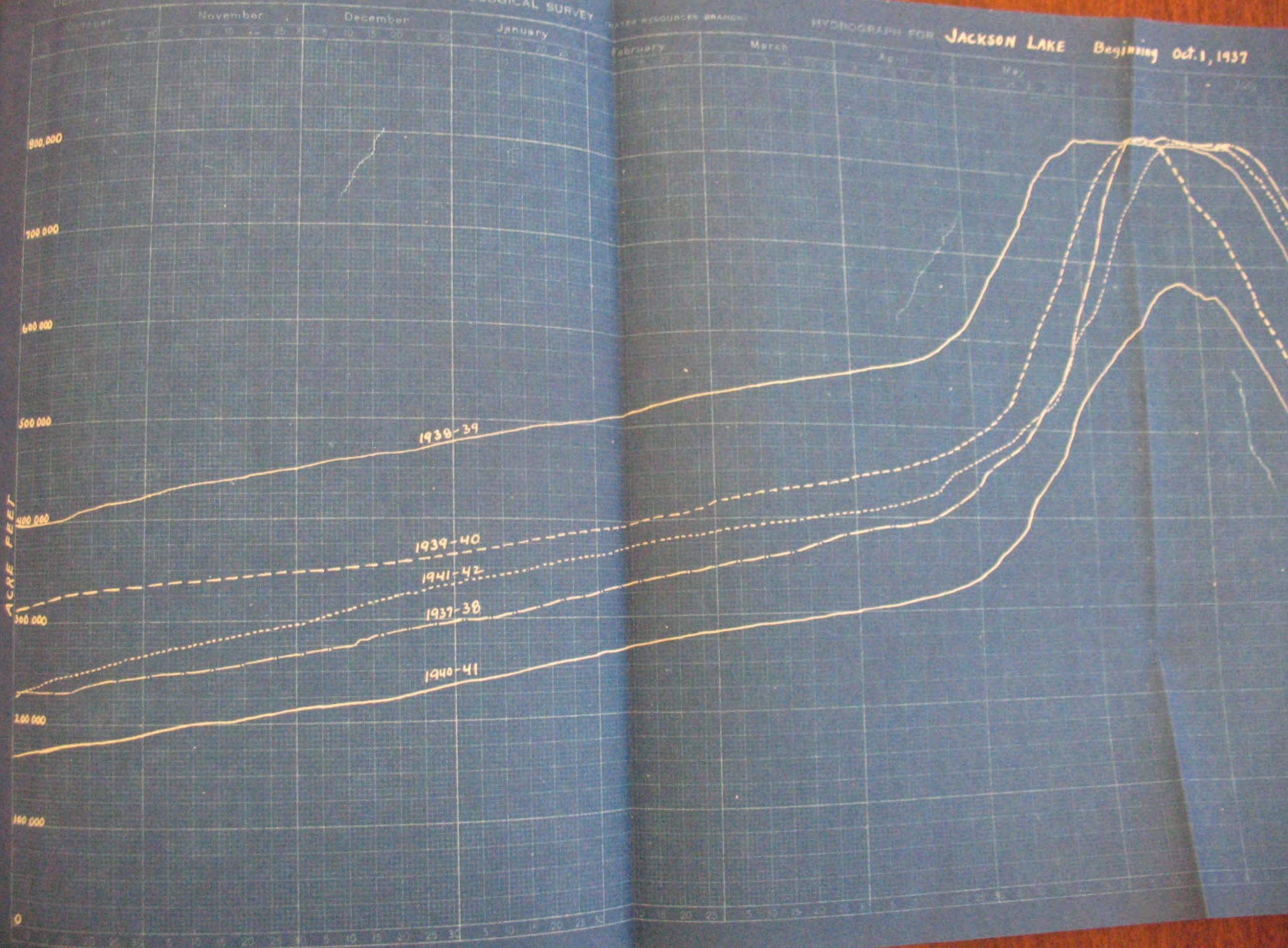
\*Available funds will not be known until after action by Legislature.

# MAP SHOWING PRINCIPAL STREAMS AND GAGING STATIONS

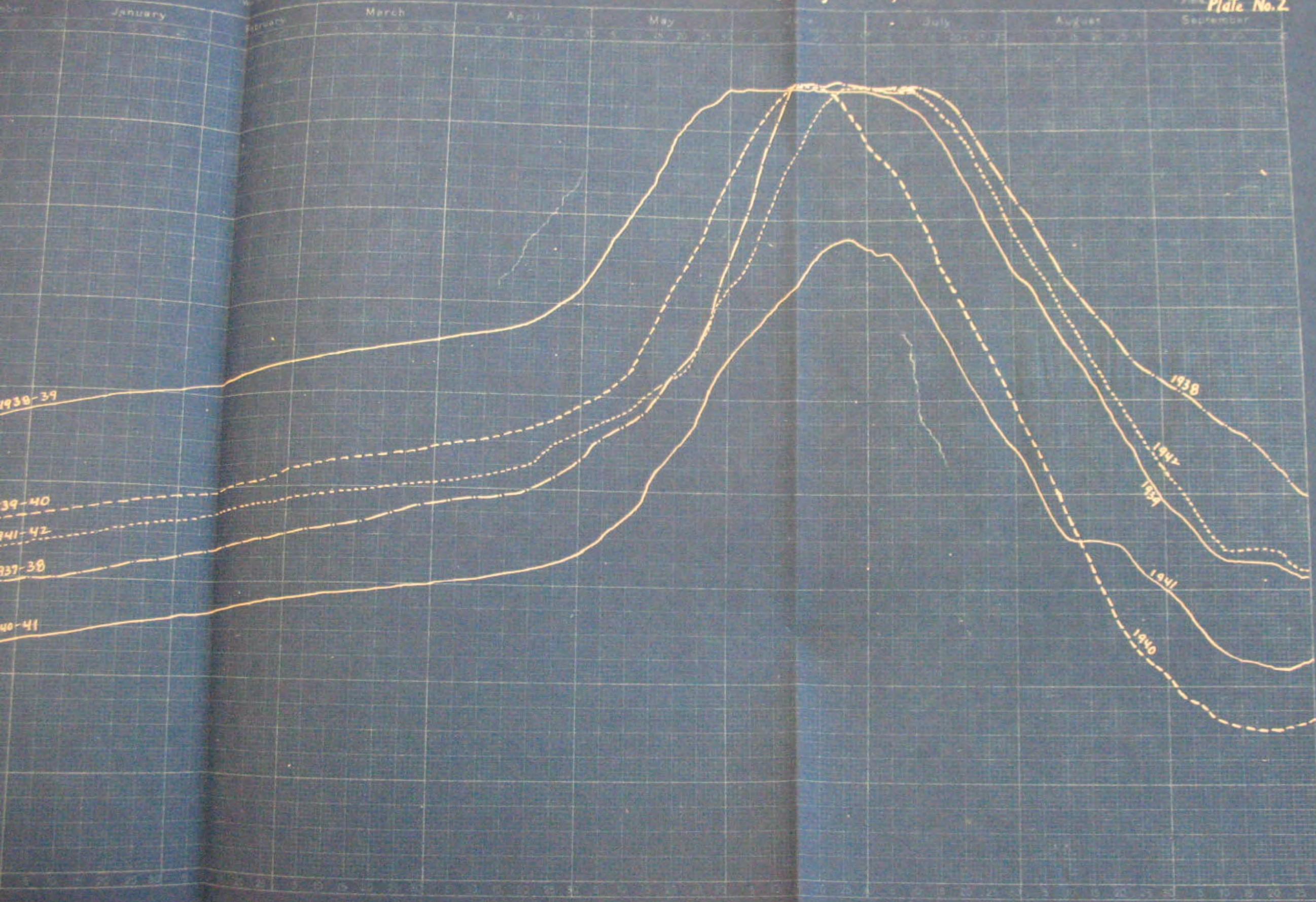
NO. STATION

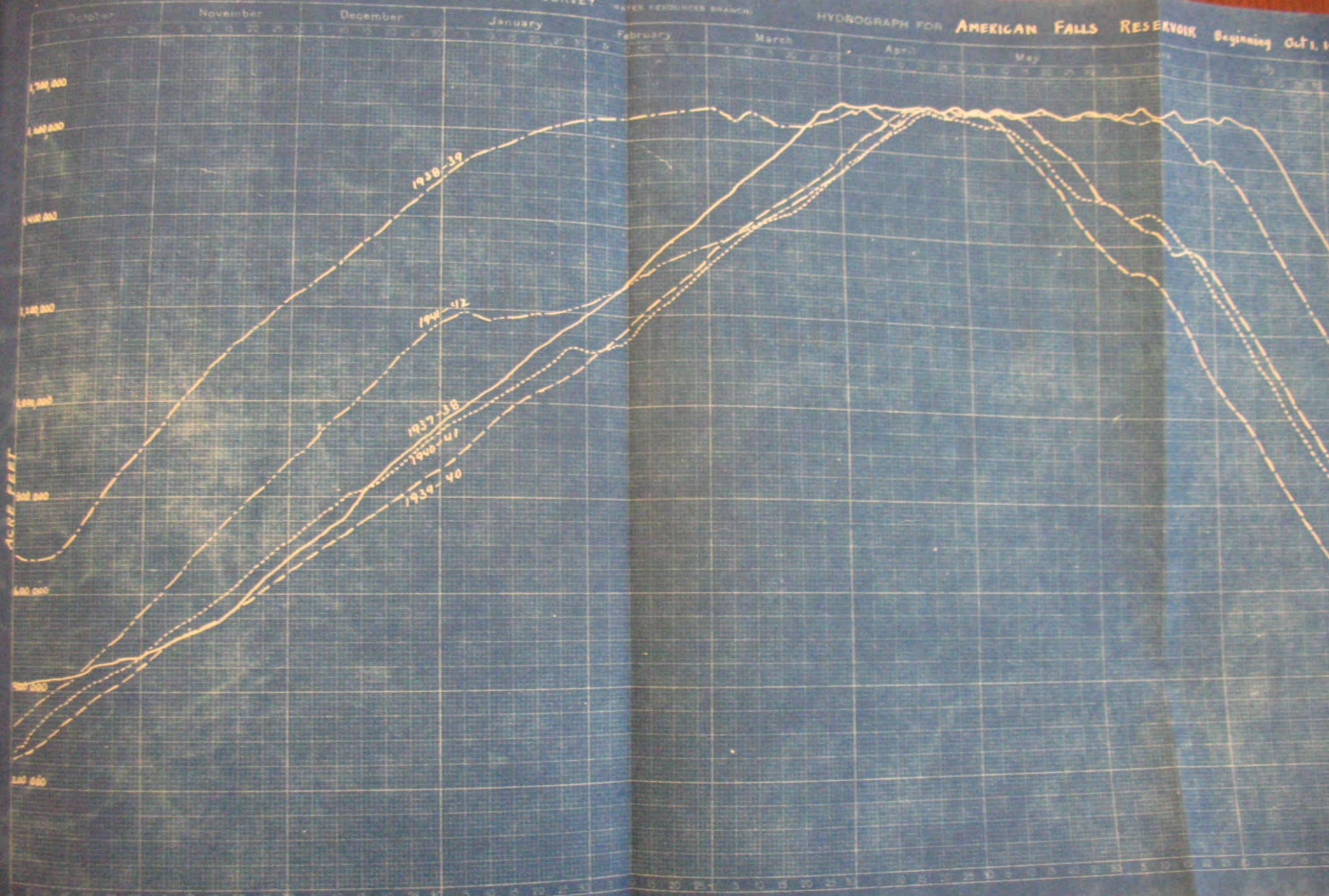
- 1 JACKSON LAKE AT MORAN
- 2 SNAKE RIVER AT MORAN
- 3 SNAKE RIVER NR. HEISE
- 4 SNAKE RIVER NR. SHELLEY
- 5 SNAKE RIVER NR. BLACKFOOT
- 6 AMERICAN FALLS RESER. AT AMERICAN FALLS
- 7 SNAKE RIVER AT NEELY
- 8 LAKE WALTGOTT NR. MINIDOKA
- 9 NO. SIDE CANAL NR. MINIDOKA
- 10 SO. SIDE CANAL NR. MINIDOKA
- 11 SNAKE RIVER NR. MINIDOKA
- 12 PA. LATERAL NR. MILNER
- 13 GOODING CANAL AT MILNER
- 14 NO. SIDE CANAL AT MILNER
- 15 SO. SIDE CANAL AT MILNER
- 16 MILNER LOW LIFT CANAL AT MILNER
- 17 SNAKE RIVER AT MILNER
- 18 HENRY'S LAKE NR. LAKE
- 19 HENRY'S LAKE NR. LAKE
- 20 ISLAND PARK RES. NR. ISLAND PARK
- 21 HENRY'S FORK NR. ISLAND PARK
- 22 HENRY'S FORK NR. WARM RIVER
- 23 HENRY'S FORK NR. ASHTON
- 24 GRASSY LAKE NR. MORAN
- 25 FALL RIVER NR. SQUIRREL
- 26 FALL RIVER NR. CHESTER
- 27 HENRY'S FORK AT ST. ANTHONY
- 28 TETON RIVER NR. TETONIA
- 29 TETON RIVER NR. ST. ANTHONY
- 30 HENRY'S FORK NR. REXBURG
- 31 BLACKFOOT RIVER NR. BLACKFOOT





HYDROGRAPH FOR JACKSON LAKE Beginning Oct. 1, 1937

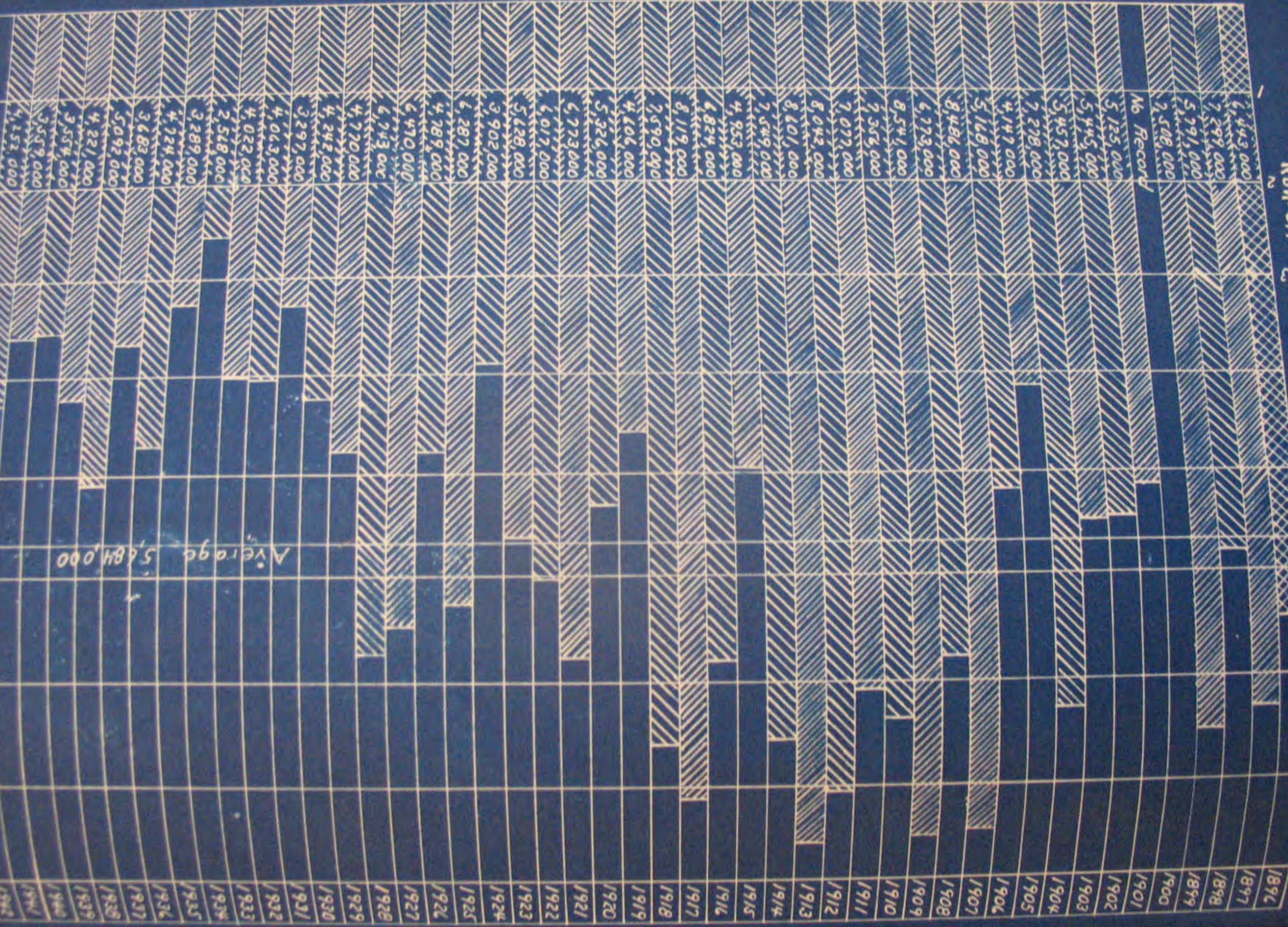




Plotted by \_\_\_\_\_ Checked by \_\_\_\_\_ Date \_\_\_\_\_



DIAGRAM SHOWING ANNUAL RUNOFF OF SHANE RIVER AT MONTGOMERY FERRY (Montgomery Ferry prior to 1907)

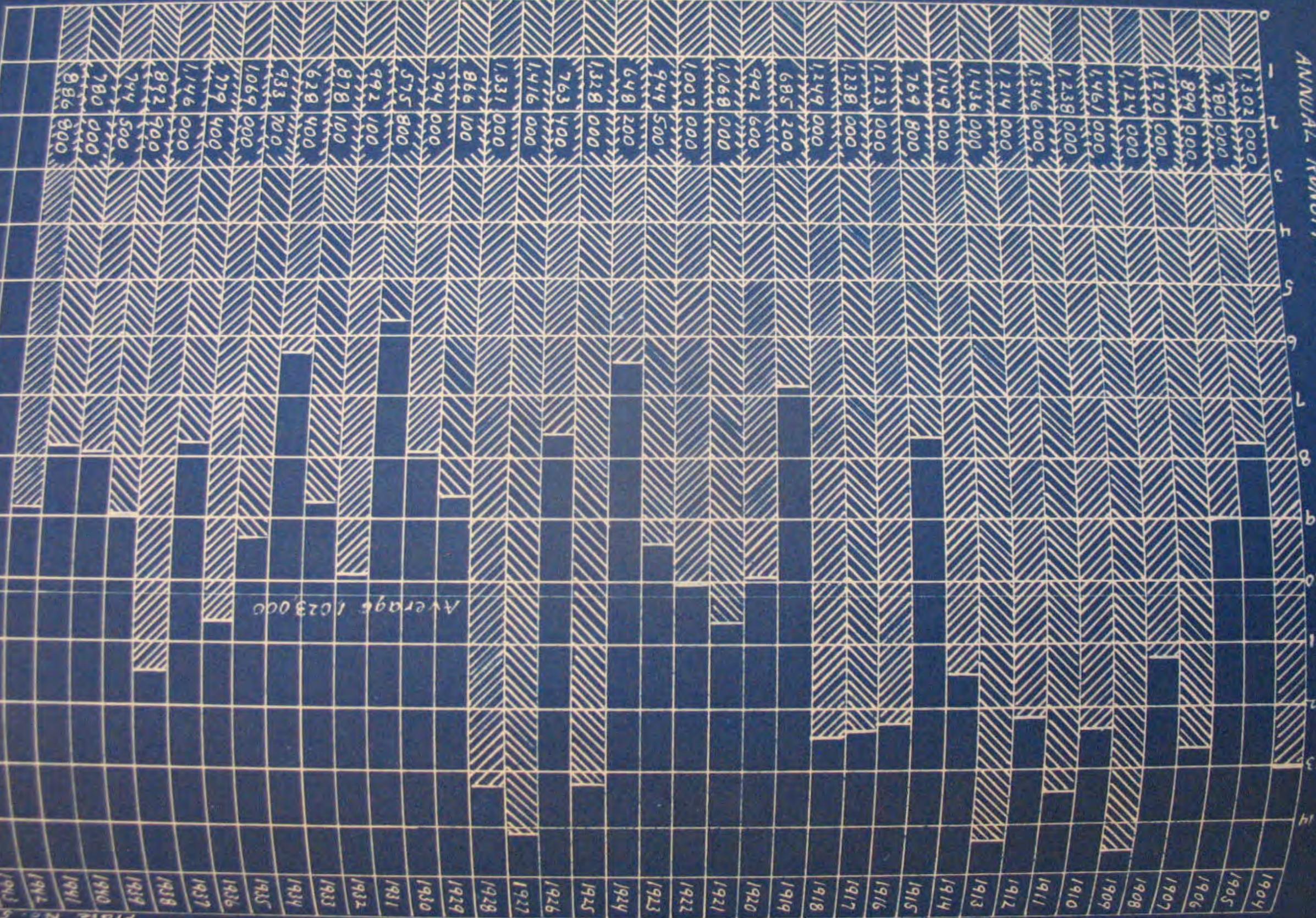


Totals are for year ending Sept. 30 and are corrected for American Falls holders.

Run-off in millions of Acre-Ft.

DIAGRAM SHOWING TOTAL ANNUAL RUNOFF IN ACRE-FeET OF SNAKE RIVER AT MORAN, WYO. Plate No. 5

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



ANNUAL RUNOFF IN HUNDREDS OF THOUSANDS OF ACRE-FeET

Average 1,023,000











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	June	1	2	3	4	5	6	7	8	9	10	11	12	13		
Big Jimmy Cr.		33	33	33	33	33	33	33	33	32	32	32	32	31	31	31	31	31	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	
Portneuf R. Inflow Below Pocatello		312	312	312	312	312	312	312	313	313	313	313	313	314	314	314	314	314	314	314	314	315	315	315	315	314	314	314	314	313	313	312	312	312	312	311	310	309	308	307	308	310	312	314	316	318	320	
Big Spring Cr.		449	449	449	449	449	449	448	447	446	445	444	443	442	441	440	439	438	437	436	434	432	431	431	432	433	434	435	436	437	438	439	440	441	442	441	440	439	438	437	436	435	434	433	432	431	430	
Clear Cr.		115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
Ford Cr.		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
Kinney Cr.		26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
Wide Cr.		60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
Pyle Spgs.		16	16	16	16	16	16	16	16	16	15	15	15	15	15	15	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	14	14	14	14	14	14	14
McTucker Spgs.		28	28	28	28	28	28	28	27	27	27	26	26	26	26	26	26	25	25	25	25	25	25	25	21	21	22	22	23	23	24	24	24	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Hull Spgs.		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
Tanner Spgs.		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Portneuf R. at Pocatello		418	398	378	369	398	408	398	378	378	408	428	448	448	448	418	438	438	428	428	408	408	438	468	478	489	478	458	418	378	340	322	304	286	260	240	220	200	180	160	140	120	100	80	60	40	20	0
Crystal Ditch		11	11	11	11	11	11	11	10	10	9	9	8	8	8	7	7	7	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
Crystal Waste		26	26	26	26	26	25	25	25	24	24	24	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
Danielson Spgs.		51	51	51	51	51	50	50	49	49	49	49	48	48	48	48	48	47	47	47	46	46	45	45	45	45	45	45	46	46	46	46	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	
Artesian Spgs.		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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
Sterling Waste		4	4	6	8	8	8	7	7	6	5	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Colburn Waste		6	6	6	6	6	6	6	5	5	5	4	4	4	4	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
Aberdeen Waste		70	160	210	210	200	200	190	160	130	120	130	150	170	160	160	140	140	150	160	150	150	155	150	160	150	130	100	120	120	120	130	120	75	35	35	35	35	35	35	35	35	35	35	35	35	35	
Tartar Waste		0	30	40	50	50	60	60	60	60	40	50	50	60	50	50	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	
Schiltz Waste		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Cedar Waste		0	20	20	30	40	40	40	35	35	40	60	60	60	60	60	60	60	65	60	65	78	55	45	40	30	30	30	30	20	10	10	8	2	4	0	0	0	0	0	0	0	0	0	0	0		
Ross Fork		39	39	39	39	39	39	39	39	39	39	38	38	38	38	38	38	37	37	37	37	37	37	37	37	37	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	
Triple Cr.		6	6	6	6	6	5	5	5	5	4	4	4	3	3	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Bannock Cr.		41	41	41	41	41	41	41	41	41	40	40	40	40	40	40	40	40	40	39	39	39	39	39	38	37	36	36	35	34	33	32	32	31	30	30	30	30	30	30	30	30	30	30	30	30		
Ruegar Spgs		21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21			
Total Measured		1751	1871	1913	1926	1955	1972	1950	1893	1857	1858	1912	1950	1975	1953	1923	1923	1918	1917	1928	1889	1892	1932	1935	1945	1935	1880	1853	1812	1759	1711	1703	1674	1596	1522	1481	1380	1285	1153	1057	942	820	700	580	460	340		
Unmeasured Inflow		1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320				
Total Inflow C-M		3071	3191	3233	3246	3275	3292	3270	3213	3177	3178	3232	3270	3295	3273	3243	3243	3238	3237	3248	3209	3212	3252	3255	3265	3255	3200	3153	3132	3079	3031	3023	2994	2916	2842	2710	2585	2473	2371	2262	2175	2094	2020	1950				
Monthly Totals																																																

Total May 99,491













# DATA AT AND BETWEEN SNAKE RIVER GAGING STATIONS 1942

24 HOUR SECOND- FEET EXCEPT AS NOTED

DATE	BLACKFOOT RIVER	SNAKE R. AT CLOUGH			CALCULATED INFLOW CLOUGH TO NEELEY	DATE	AM. FALLS RESERVOIR Contents Ac.-ft.	SNAKE R. AT NEELEY			LAKE WALCOTT Contents Ac.-ft.	MINIDOKA CANALS			SNAKE R. NR. MINIDOKA			DATE	MILNER LAKE GAGE	STG	
		STOR.	NORM.	TOTAL				STOR.	NORM.	TOTAL		NORTH	SOUTH	TOTAL	STOR.	NORM.	STOR.				NORM.
June 1	-27	8437	8410	2994	Jun. 2	1716890	-413	8973	8560	100370	1290	886	2176	0	2176	-397	6797	6400	Jun. 3	10.74	4
2	-27	6737	6710	2916	3	1716320	-247	8977	8730	100250	1290	1030	2320	0	2320	-287	6657	6370	4	10.47	6
3	-258	5338	5080	2842	4	1712900	880	8180	9060	100010	1290	1160	2450	0	2450	960	5730	6690	5	10.43	13
4	-1394	5484	4090	2817	5	1708960	1099	8301	9400	100130	1330	1220	2550	0	2550	1149	5751	6900	6	10.50	13
5	-1701	5701	4000	2820	6	1704480	1429	8521	9950	100250	1450	1220	2670	0	2670	1379	5851	7230	7	10.49	13
6	-734	5904	5170	2805	7	1697200	1891	8709	10600	98560	1550	1260	2810	84	2726	1537	5983	7520	8	10.84	13
7	-97	6187	6090	2773	8	1692710	1840	8960	10800	99040	1600	1320	2920	194	2726	1536	6234	7770	9	11.08	13
8	-27	6447	6420	2771	9	1690470	1261	9139	10400	99520	1610	1340	2950	224	2726	947	6413	7360	10	11.08	13
9	-27	7037	7010	2762	10	1688230	816	9484	10300	99040	1610	1320	2930	204	2726	442	6758	7200	11	11.00	13
10	-27	8517	8490	2775	11	1689910	181	10119	10300	99160	1610	1320	2930	204	2726	-223	7393	7170	12	11.00	13
11	-27	9987	9960	2764	12	1694960	112	10188	10300	99520	1610	1320	2930	204	2726	-262	7462	7200	13	11.03	13
12	-27	10427	10400	2755	13	1699440	232	10168	10400	100010	1620	1280	2900	174	2726	-182	7442	7260	14	11.00	13
13	-27	8907	8880	2742	14	1698880	282	10118	10400	99760	1620	1260	2880	154	2726	-162	7392	7230	15	10.80	13
14	-27	6897	6870	2755	15	1693270	910	9490	10400	99520	1620	1270	2890	164	2726	576	6764	7340	16	11.08	13
15	-649	5969	5320	2757	16	1688230	1574	8726	10300	100490	1620	1240	2860	134	2726	1500	6000	7500	17	11.18	13
16	-1428	5968	4540	2758	17	1683750	1054	8726	9780	100730	1620	1200	2820	94	2726	1040	6000	7040	18	10.98	13
17	-878	5978	5100	2748	18	1678700	794	8726	9520	99760	1610	1160	2770	44	2726	660	6000	6660	19	10.78	13
18	-648	5988	5340	2738	19	1674220	714	8726	9440	100490	1620	1140	2760	34	2726	580	6000	6580	20	10.63	13
19	-1650	5970	4320	2730	20	1669760	660	8700	9360	99800	1610	1090	2700	0	2700	660	6000	6660	21	10.56	13
20	-2529	5939	3410	2741	21	1663680	550	8680	9230	99280	1610	1070	2680	0	2680	720	6000	6720	22	10.61	13
21	-2579	5899	3320	2751	22	1657600	580	8650	9230	98560	1590	1060	2650	0	2650	1010	6000	7010	23	10.75	13
22	-2834	5844	3010	2756	23	1648200	550	8600	9150	96390	1540	1060	2600	0	2600	1150	6000	7150	24	10.87	13
23	-3011	4931	1860	2747	24	1638250	1802	7678	9480	95180	1530	1060	2590	864	1726	1058	5952	7010	25	10.83	13
24	-2402	3400	998	2726	25	1626090	3654	6126	9780	93670	1530	1100	2630	904	1726	2580	4400	6980	26	10.87	13
25	-2850	3560	710	2728	26	1613440	3452	6288	9740	94250	1410	1080	2490	764	1726	2528	4562	7090	27	10.86	13
26	-2292	4272	1980	2763	27	1605290	2195	7035	9230	93790	1290	916	2206	480	1726	1811	5309	7120	28	10.42	13
27	-402	5202	4800	2840	28	1604750	1018	8042	9060	93790	1260	782	2042	0	2042	1120	6000	7120	29	11.05	13
28	3141	5079	8220	2878	29	1610180	893	7957	8850	94020	1250	707	1957	0	1957	880	6000	6880	30	10.86	13
29	2358	5182	7540	2855	30	1612350	903	8032	8940	93670	1250	787	2037	0	2037	800	6000	6800	Jul. 1	10.68	13
30	1096	5504	6600	2866	Jul. 1	1612350	1370	8370	9740	93090	1340	1030	2370	0	2370	1170	6000	7170	2	10.66	13
31	305	4515	4820	2838	2	1605290	3147	7353	10500	92390	1520	1210	2730	1004	1726	1983	5627	7610	3	10.68	13
1	-703	3603	2900	2752	3	1594960	4545	6355	10900	91810	1610	1290	2900	1174	1726	3251	4629	7880	4	10.80	13
2	-786	3286	2500	2739	4	1584640	5075	6025	11100	91460	1610	1280	2890	1164	1726	3681	4299	7980	5	10.80	13
3	652	3108	3760	2733	5	1575940	5459	5841	11300	91230	1610	1260	2870	1144	1726	3925	4115	8040	6	10.84	13
4	266	3824	4090	2700	6	1572140	5076	6524	11600	91810	1610	1310	2920	1194	1726	3372	4798	8170	7	10.80	13
5	-75	3835	3760	2685	7	1555440	5480	6520	12000	91920	1650	1310	2960	1234	1726	3596	4794	8390	8	10.87	13
6	-267	3997	3730	2664	8	1543730	5639	6661	12300	92040	1710	1310	3020	1294	1726	3785	4935	8720	9	10.98	13
7	-274	4124	3850	2661	9	1532550	5515	6785	12300	92740	1720	1310	3030	1304	1726	3611	5059	8670	10	10.99	13
8	-130	4000	3870	2655	10	1521900	5645	6655	12300	93670	1720	1310	3030	1304	1726	3681	4929	8610	11	10.89	13
9	-381	3621	3240	2647	11	1505450	5732	6268	12000	92860	1720	1300	3020	1294	1726	4178	4542	8720	12	10.90	13
10	-380	2770	2390	2642	12	1492890	6488	5412	11900	93790	1720	1300	3020	1294	1726	4844	3686	8530	13	10.85	13
11	-263	1723	1460	2635	13	1477180	7542	4358	11900	94250	1720	1300	3020	2062	958	5130	3400	8530	14	10.80	13
12	-260	1106	846	2633	14	1458330	8261	3739	12000	94250	1720	1300	3020	2681	339	5240	3400	8640	15	10.80	13
13	372	370	742	2629	15	1442360	8901	2999	11900	94490	1720	1300	3020	3020	0	5691	2999	8690	16	10.80	13
14	4	1166	154	1320	16	1424880	9014	2786	11800	94250	1720	1300	3020	3020	0	5904	2786	8690	17	10.80	13
15	4	1046	154	1200	17	1408940	9020	2780	11800	93440	1680	1290	2970	2970	0	5860	2780	8640	18	10.80	13
16	5	865	155	1020	18	1391720	8921	2779	11700	94020	1670	1290	2960	2960	0	5751	2779	8530	19	10.80	13



# STATIONS

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P.S.	SWAN R. NR. MINIDUNA			DATE	MILNER LAKE GAGE	GOODING			P.R.	NORTH SIDE CANAL CO.			TWIN FALLS CAN. CO.			MILNER LOW LIFT			SNAKE R AT MILNER		
	NORM.	STOR.	TOTAL			STOR.	NORM.	TOTAL		STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL
0	2176	-347	6797	3	10.74	480	850	1330	63	860	2180	3103				0	121	121	0	43	43
0	2320	-287	6657	4	10.47	654	676	1330	63	850	2210	3123	0	3103	0	121	121	0	27	27	
0	2450	940	5730	5	10.43	1330	0	1330	63	850	2200	3113	0	3123	0	120	120	0	10	10	
0	2530	1144	5751	6	10.50	1340	0	1340	63	860	2190	3113	113	3000	0	120	120	0	11	11	
0	2670	1374	5851	7	10.49	1350	0	1350	63	860	2180	3103	113	3000	0	124	124	0	11	11	
4	2726	1537	6234	8	10.94	1350	0	1350	63	870	2180	3113	103	3000	0	128	128	0	13	13	
4	2726	1526	6413	9	11.00	1221	79	1300	63	880	2230	3173	113	3000	0	128	128	0	13	13	
4	2726	947	6738	10	11.08	916	314	1240	63	880	2230	3173	0	3173	0	78	55	133	0	16	16
4	2726	442	7393	11	11.00	390	850	1240	62	890	2280	3233	0	3173	0	10	135	145	0	16	16
4	2726	-213	7462	12	11.00	390	850	1240	62	890	2330	3283	0	3283	0	10	135	145	0	15	15
4	2726	-266	7442	13	11.00	390	850	1270	62	890	2350	3302	0	3302	0	10	135	145	0	15	15
4	2726	-181	7342	14	11.00	420	850	1320	62	890	2360	3312	0	3312	0	10	135	145	0	15	15
4	2726	-161	7342	15	10.80	1159	161	1320	62	890	2370	3322	0	3322	0	10	135	145	0	15	15
4	2726	576	6704	16	11.18	1320	0	1320	62	890	2200	3152	152	3000	100	146	0	146	159	0	159
4	2726	1500	6000	17	10.98	1310	0	1310	62	880	2200	3142	142	3000	50	145	0	145	47	0	47
4	2726	1040	6000	18	10.78	1310	0	1310	62	870	2200	3132	132	3000	40	167	0	167	15	0	15
4	2726	660	6000	19	10.63	1310	0	1310	61	870	2200	3131	131	3000	30	167	0	167	12	0	12
4	2726	580	6000	20	10.56	1310	0	1310	61	880	2210	3151	151	3000	30	158	0	158	10	0	10
4	2700	660	6000	21	10.61	1310	0	1310	61	880	2210	3151	151	3000	30	146	0	146	10	0	10
4	2680	720	6000	22	10.75	1320	0	1320	62	880	2210	3152	152	3000	20	146	0	146	9	0	9
4	2650	1010	6000	23	10.87	1320	0	1320	62	880	2240	3182	182	3000	20	146	0	146	10	0	10
4	2600	1150	6000	24	10.87	1320	0	1320	62	880	2240	3182	182	3000	10	146	0	146	1	10	11
4	1726	1038	5952	25	10.83	1320	0	1320	62	880	2250	3192	192	2952	0	146	0	146	11	0	11
4	1726	2580	4400	26	10.87	1320	0	1320	62	880	2250	3192	192	1400	10	146	0	146	11	0	11
4	1726	2538	4562	27	10.86	1310	0	1310	51	870	2220	3141	1574	1562	10	140	0	140	11	0	11
4	1726	1811	5309	28	10.92	1310	0	1310	63	880	2210	3153	153	2309	10	127	0	127	11	0	11
4	1042	1120	6000	29	11.05	1310	0	1310	63	880	2210	3153	153	3000	40	127	0	127	13	0	13
4	1957	880	6000	30	10.86	1300	0	1300	63	880	2230	3173	173	3000	30	137	0	137	12	0	12
4	2037	800	6000	Jul. 1	10.68	1300	0	1300	62	870	2260	3192	192	3000	30	148	0	148	9	0	9
4	2370	1170	6000	2	10.66	1310	0	1310	62	880	2350	3292	292	3000	130	151	0	151	8	0	8
4	1726	1981	5627	3	10.68	1310	0	1310	62	880	2360	3302	675	2627	230	163	0	163	8	0	8
4	1726	3251	4629	4	10.80	1410	0	1410	62	890	2390	3342	1713	1629	260	163	0	163	8	0	8
4	1726	3681	4199	5	10.80	1490	0	1490	62	880	2410	3352	2053	1299	260	161	0	161	8	0	8
4	1726	3921	4115	6	10.84	1490	0	1490	62	890	2440	3392	2277	1115	320	165	0	165	10	0	10
4	1726	3372	4798	7	10.80	1490	0	1490	61	840	2510	3461	1663	1798	480	165	0	165	10	0	10
4	1726	3596	4794	8	10.87	1520	0	1520	56	900	2590	3546	1752	1794	480	165	0	165	10	0	10
4	1726	3781	4935	9	10.98	1590	0	1590	62	910	2630	3602	1667	1935	500	158	0	158	12	0	12
4	1726	3611	5059	10	10.99	1590	0	1590	62	910	2630	3602	1543	2059	460	160	0	160	13	0	13
4	1726	3631	4929	11	10.89	1590	0	1590	62	900	2630	3592	1663	1929	470	160	0	160	13	0	13
4	1726	4171	4542	12	10.90	1590	0	1590	62	900	2630	3592	1663	1929	470	160	0	160	13	0	13
4	958	5130	3400	13	10.85	1610	0	1610	62	900	2640	3602	2060	1542	470	163	0	163	12	0	12
4	339	5240	3400	14	10.80	1610	0	1610	62	910	2620	3592	2906	686	450	163	0	163	12	0	12
4	0	5691	2999	15	10.86	1610	0	1610	62	910	2620	3592	3192	400	460	163	0	163	12	0	12
4	0	5901	2784	16	10.86	1610	0	1610	59	910	2610	3579	3179	400	480	163	0	163	13	0	13
4	0	5861	2780	17	10.82	1600	0	1600	62	900	2600	3562	3210	352	833	163	0	163	13	0	13
4	0	5751	2779	18	10.85	1600	0	1600	62	890	2590	3542	3214	328	1002	164	0	164	13	0	13
4	0	5751	2779	19	10.86	1600	0	1600	62	900	2580	3542	3215	327	1027	166	0	166	13	0	13
4	0	5751	2779	19	10.86	1600	0	1600	62	900	2580	3542	3215	327	1028	167	0	167	11	0	11



# DAILY SUMMARY OF DATA AT AND BETWEEN

DATE	STORAGE INFLOW HEISE TO SHELLEY		STORAGE LOSS HEISE TO SHELLEY	DIV. HEISE TO SHELLEY			DATE	SNAKE R. NR. SHELLEY			DIV. SHELLEY-BLACKFOOT			SHELLEY BLACKFOOT STORAGE LOSS	THEORETICAL BALANCE STORAGE AT BLACKFOOT	DATE	BLACKFOOT RIVER	24 HOUR SECOND- FEET EXCEPT			DATE	AM. FALL RESERVOIR CONTENTS	
	MARKET LAKE	HENRY'S FK. NR. REXBURG		STOR.	NORM.	TOTAL		STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL					STOR.	NORM.	TOTAL			CALCULATED INFLOW CLOUGH TO HEISEY
7/17	9	31	153	1681	6987	8668	July 17	1331	3509	4840	120												
7/18	9	2	149	1758	6978	8736	18	1149	3571	4720	121	3525	3645	73	1138	July 18	5				July 18		
7/19	9	-25	138	1811	6975	8786	19	858	3552	4410	105	3524	3645	61	967	19	6	445	155	1100	2623	19	1378 11
7/20	9	-93	134	1644	6996	8640	20	878	3042	3920	214	3498	3603	45	708	20	5	746	156	902	2622	20	1361 97
7/21	9	-231	165	1780	6851	8631	21	1231	2479	3710	796	3302	3516	40	624	21	5	527	155	682	2613	21	1346 00
7/22	8	-214	183	1872	6834	8706	22	1710	1970	3680	1195	2037	3384	26	409	22	5	240	155	345	2606	22	1328 18
7/23	8	-244	222	2061	6678	8739	23	2049	1751	3800	1354	1866	3232	31	484	23	5	220	155	375	2603	23	1310 36
7/24	8	-253	238	2037	6668	8705	24	2385	1515	3900	1200	1858	3220	42	653	24	5	100	155	255	2591	24	1292 75
7/25	8	-203	219	2020	6553	8573	25	2070	1550	3620	1203	1801	3004	71	1114	25	6	266	156	422	2604	25	1275 70
7/26	8	-171	240	2021	6497	8518	26	2522	1278	3800	1519	1528	3047	52	815	26	3	463	156	619	2608	26	1257 20
7/27	8	-392	245	2030	6528	8558	27	2392	1558	3950	1674	1370	3044	60	943	27	2	387	153	540	2604	27	1234 92
7/28	8	-420	244	1957	6507	8464	28	2428	1402	3830	1812	1198	3010	43	675	28	3	516	152	668	2597	28	1222 66
7/29	8	-308	241	1947	6504	8451	29	2459	1271	3730	1840	1131	2971	37	579	29	3	529	153	682	2597	29	1204 04
7/30	8	-288	236	2000	6469	8469	30	2340	1340	3680	1806	831	2637	37	582	30	3	494	153	647	2612	30	1188 00
7/31	8	-174	240	2069	6322	8391	31	2445	1305	3750	1754	1202	2956	32	502	31	2	573	153	726	2605	31	1170 14
8/1	8	-153	236	2118	6013	8131	Aug 1	2336	1444	3780	1768	1203	2971	41	650	Aug 1	2	432	152	584	2586	Aug 1	1157 00
8/2	8	-21	230	2133	6017	8150	2	2333	1417	3750	1774	1218	2992	34	534	2	2	495	152	647	2594	2	1140 4
8/3	8	-69	232	2015	6003	8018	3	2432	1248	3680	1685	1220	2905	34	525	3	4	509	152	661	2592	3	1122 9
8/4	8	-55	241	2239	5988	8227	4	2417	1153	3570	1697	1193	2890	45	702	4	4	564	154	718	2592	4	1106 0
8/5	8	-55	232	2388	5865	8253	5	2105	1315	3420	1761	1124	2885	43	677	5	4	437	154	591	2585	5	1085 3
8/6	8	-9	179	2569	5608	8177	6	932	1988	2920	1491	1092	2583	21	323	6	4	404	154	558	2581	6	1070 4
8/7	8	30	148	2254	5532	7786	7	674	1766	2440	511	1107	1618	-33	-526	7	5	246	154	400	2607	7	1054 1
8/8	8	28	182	2098	5551	7649	8	1478	992	2470	511	1107	1618	10	153	8	5	513	155	668	2602	8	1038 7
8/9	8	58	234	2269	5487	7756	9	2357	813	3170	591	1097	1688	63	993	9	3	611	155	766	2606	9	1022 1
8/10	8	89	233	2548	5204	7752	10	2072	1328	3400	896	1101	1997	106	1660	10	3	877	153	1038	2609	10	1067 9
8/11	8	75	224	2565	5119	7684	11	1871	1319	3190	1243	1128	2371	70	1106	11	4	1007	153	1160	2613	11	992 9
8/12	8	15	216	2264	5133	7397	12	1968	1282	3250	1261	1081	2342	38	590	12	14	812	154	966	2624	12	975 1
8/13	8	14	214	2397	5079	7476	13	1781	1429	3210	1211	1036	2247	42	665	13	17	626	164	790	2636	13	961 4
8/14	8	-58	207	1968	5059	7027	14	2019	1211	3230	1636	1017	2653	34	536	14	24	711	167	878	2614	14	945 5
8/15	8	-132	204	2071	5000	7071	15	1786	1284	3070	1572	1025	2597	23	360	15	21	403	174	577	2607	15	929 6
8/16	8	-101	201	1882	4982	6864	16	1937	1173	3110	1499	1046	2545	106	201	16	18	393	171	564	2599	16	913 4
8/17	8	-368	210	1762	5001	6763	17	2005	1145	3150	1501	1044	2545	13	412	17	17	372	168	540	2618	17	894 0
8/18	8	-350	217	2307	4892	7199	18	1610	1390	3000	1457	1018	2475	26	412	17	17	466	167	633	2616	18	884 1
8/19	8	-356	215	2199	4882	7081	19	1671	1229	2900	1516	959	2475	30	474	18	4	507	154	661	2630	19	868 0
8/20	8	-333	212	1995	5065	7060	20	1844	926	2770	1521	948	2469	9	144	19	3	335	153	488	2616	20	848 0
8/21	8	-327	214	2020	5062	7082	21	1877	863	2740	1526	913	2439	9	146	20	3	253	153	406	2609	21	830 8
8/22	8	-286	201	2111	5117	7228	22	1549	1131	2680	1496	950	2446	19	304	21	3	152	153	305	2613	22	816 2
8/23	8	-214	176	1805	4859	6664	23	1441	1019	2460	1025	1010	2035	21	330	22	3	127	153	280	2609	23	799 2
8/24	8	-222	177	1738	4909	6647	24	1522	868	2390	982	1040	2022	3	50	23	2	247	153	400	2619	24	779 7
8/25	7	-277	183	1717	4817	6534	25	1602	748	2350	1008	922	1930	25	391	24	2	259	152	411	2611	25	763 8
8/26	7	-292	200	1533	5100	6633	26	2097	573	2670	1042	1002	2044	32	508	25	2	238	152	390	2608	26	747 0
8/27	7	-258	187	1408	4873	6281	27	2010	850	2860	1531	936	2467	36	558	26	4	262	154	416	2613	27	728 1
8/28	7	-233	183	1650	4873	6523	28	1707	1143	2850	1514	992	2506	63	992	27	5	195	155	350	2615	28	713 0
8/29	7	-247	188	1574	4847	6421	29	1883	837	2720	1547	922	2469	29	450	28	3	212	153	365	2615	29	696 0
8/30	7	-344	200	1621	4827	6448	30	1987	873	2860	1531	917	2448	12	181	29	3	153	152	305	2615	30	681 1
8/31	7	-350	194	1812	4753	6565	31	1660	1190	2850	1699	771	2470	20	316	30	2	153	152	305	2615	31	665 7
9/1	7	-268	171	1375	4684	6059	Sept 1	1709	1051	2760	1665	738	2403	27	429	31	2	264	152	416	2614	Sept 1	650
														-2	-37	Sept 1	3	227	153	380	2610	2	634 4
														3	41	2	3	177	153	330	2611	3	620

# OF DATA AT AND BETWEEN SNAKE RIVER GAGING STATIONS

24 HOUR SECOND- FEET EXCEPT AS NOTED

THEORETICAL BALANCE PAGE AT BLACKFOOT	DATE	BLACKFOOT RIVER	SNAKE R. AT CLOUGH			CALCULATED INFLOW CLOUGH TO NEELEY	DATE	AM. FALLS RESERVOIR Contents Ac.-Ft.	SNAKE R. AT NEELEY			LAKE WALCOTT Contents Ac.-Ft.	MINIDOKA CANALS			SNAKE R. AT MINIDOKA			
			STOR.	NORM.	TOTAL				STOR.	NORM.	TOTAL		NORTH	SOUTH	TOTAL	STOR.	NORM.	TOTAL	STOR.
	July						July												
1138	18	5	945	155	1100	2623	19	1378110	8822	2778	11600	94250							
967	19	6	746	156	902	2622	20	1361970	8622	2778	11400	94720	1680	1290	2970	2970			
708	20	5	527	155	682	2613	21	1346000	8532	2768	11300	94370	1680	1280	2960	2960	0	5722	2778
624	21	5	240	155	395	2606	22	1328180	8739	2761	11500	93790	1670	1290	2960	2960	0	5642	2778
409	22	5	220	155	375	2603	23	1310360	8942	2758	11700	93670	1670	1290	2960	2960	0	5572	2768
484	23	5	100	155	255	2591	24	1292750	9254	2746	12000	93790	1670	1290	2960	2960	0	5549	2761
653	24	6	266	156	422	2604	25	1275700	9240	2760	12000	93790	1670	1290	2960	2960	0	5712	2758
1114	25	6	463	156	619	2608	26	1257200	9236	2764	12000	94020	1680	1300	2980	2980	0	5944	2746
815	26	3	387	153	540	2604	27	1239920	9243	2757	12000	94250	1680	1290	2970	2970	0	5986	2764
943	27	2	516	152	668	2597	28	1222660	9051	2749	11800	94490	1680	1280	2950	2950	0	5993	2757
675	28	3	529	153	682	2597	29	1204040	8850	2750	11600	94020	1680	1290	2970	2970	0	5861	2749
579	29	3	494	153	647	2612	30	1188030	8735	2765	11500	94250	1680	1290	2970	2970	0	5800	2750
582	30	3	573	153	726	2605	31	1170140	8842	2758	11600	93790	1680	1280	2960	2960	0	5785	2765
502	31	2	432	152	584	2586	Aug. 1	1157050	8962	2738	11700	94020	1660	1280	2940	2940	0	5852	2758
650	Aug 1	2	495	152	647	2594	2	1140450	9054	2746	11800	94020	1630	1280	2940	2940	0	5932	2738
534	2	2	509	152	661	2592	3	1122940	9056	2744	11800	94020	1630	1280	2940	2940	0	5944	2746
525	3	4	564	154	718	2592	4	1106040	8954	2746	11700	94490	1630	1240	2870	2870	0	6004	2746
702	4	4	437	154	591	2585	5	1085350	8961	2739	11700	93790	1630	1240	2870	2870	0	6091	2739
677	5	4	404	154	558	2581	6	1070470	8865	2735	11600	94140	1610	1240	2850	2850	0	5955	2735
323	6	4	246	154	400	2607	7	1054620	8739	2761	11500	94370	1550	1260	2810	2810	0	5789	2761
526	7	5	513	155	668	2602	8	1038780	8643	2757	11400	94490	1520	1270	2790	2790	0	5683	2757
153	8	5	611	155	766	2606	9	1022160	8639	2761	11400	94250	1510	1260	2770	2770	0	5599	2761
993	9	3	877	153	1030	2609	10	1007990	8638	2762	11400	94140	1500	1250	2750	2750	0	5548	2762
1660	10	3	1007	153	1160	2613	11	992970	8634	2766	11400	94250	1500	1240	2740	2740	0	5574	2766
1106	11	4	812	154	966	2624	12	975180	8822	2778	11600	93320	1500	1240	2740	2740	0	5662	2778
590	12	14	626	164	790	2636	13	961410	8700	2800	11500	94140	1500	1240	2740	2740	0	5510	2800
665	13	17	711	167	878	2614	14	945560	8719	2781	11500	94140	1500	1240	2740	2740	0	5419	2781
536	14	24	403	174	577	2607	15	929670	8519	2781	11300	94370	1500	1240	2740	2740	0	5339	2781
360	15	21	393	171	564	2599	16	913490	8430	2770	11200	94940	1500	1240	2740	2740	0	5380	2770
201	16	18	372	168	540	2618	17	899010	8214	2786	11000	94720	1500	1240	2740	2740	0	5384	2786
412	17	17	466	167	633	2616	18	884100	8417	2783	11200	94720	1510	1260	2770	2770	0	5497	2783
474	18	4	507	154	661	2630	19	868020	8916	2784	11700	94250	1580	1270	2850	2850	0	5497	2783
144	19	3	335	153	488	2616	20	848800	9031	2769	11800	93900	1610	1250	2860	2860	0	5746	2784
146	20	3	253	153	406	2609	21	830890	9138	2762	11900	93900	1610	1240	2850	2850	0	5951	2769
304	21	3	152	153	305	2613	22	816250	9034	2766	11800	93320	1610	1260	2870	2870	0	5988	2762
330	22	3	127	153	280	2609	23	799200	9038	2762	11800	93320	1610	1260	2870	2870	0	5954	2766
50	23	3	247	153	400	2619	24	779760	8928	2772	11700	93790	1620	1230	2850	2850	0	5988	2762
391	24	2	259	152	411	2611	25	763890	8737	2763	11500	94020	1620	1230	2850	2850	0	6008	2772
508	25	2	238	152	390	2608	26	747060	8640	2760	11400	94020	1560	1240	2800	2800	0	5957	2763
558	26	4	262	154	416	2613	27	728100	8533	2767	11300	94020	1500	1230	2730	2730	0	5770	2760
992	27	5	195	155	350	2615	28	713080	8430	2770	11200	93790	1440	1210	2650	2650	0	5763	2767
450	28	3	212	153	365	2615	29	696000	8432	2768	11200	93090	1360	1210	2570	2570	0	5670	2770
181	29	3	212	153	365	2615	30	681650	8432	2768	11200	93790	1330	1180	2510	2510	0	5702	2768
316	30	2	153	152	305	2615	31	665710	8133	2767	10900	93090	1330	1180	2510	2510	0	5622	2768
429	31	2	264	152	416	2614	Sept. 1	650110	7834	2766	10600	93790	1260	1150	2410	2410	0	5433	2767
- 37	Sept 1	3	227	153	380	2610	2	634920	7637	2763	10400	93550	1210	1130	2340	2340	0	5194	2766
41	2	3	177	153	330	2611	3	620100	7536	2764	10300	94140	1210	1140	2350	2350	0	4977	2763
												94370	1210	1160	2370	2370	0	5036	2764
												94020							

COTT C.-FT.	MINIDOKA CANALS				SNAKE R. AT MINIDOKA			DATE	MILNER LAKE GAGE	GOODING			NORTH SIDE CANAL CO.				TWIN FALLS CAN. CO.					
	NORTH	SOUTH	TOTAL	STOR.	NORM.	STOR.	NORM.			TOTAL	STOR.	NORM.	TOTAL	R.R.	GOODING	MAIN	TOTAL	STOR.	NORM.	STOR.	NORM.	TOTAL
0	1680	1290	2970	2970	0	5722	2778	8500	July 20	10.91	1600	0	1600	62	900	2580	3542	3215	327	1029	2451	348
0	1680	1280	2960	2960	0	5642	2778	8420	21	10.91	1600	0	1600	62	910	2560	3532	3205	327	1029	2451	348
0	1670	1290	2960	2960	0	5572	2768	8340	22	10.76	1600	0	1600	62	410	2560	3532	3207	325	1057	2443	348
0	1670	1290	2960	2960	0	5549	2761	8310	23	10.66	1600	0	1600	62	410	2540	3562	3237	325	1044	2436	35
0	1670	1290	2960	2960	0	5712	2758	8470	24	10.64	1600	0	1600	62	410	2640	3612	3288	324	1126	2434	35
0	1670	1290	2960	2960	0	5944	2746	8690	25	10.72	1600	0	1600	62	410	2690	3662	3339	323	1167	2423	35
0	1680	1300	2980	2980	0	6020	2760	8780	26	10.73	1610	0	1610	62	410	2650	3622	3297	325	1155	2435	35
0	1680	1290	2970	2970	0	5986	2764	8750	27	10.83	1630	0	1630	62	420	2620	3602	3277	325	1141	2439	35
0	1680	1270	2950	2950	0	5993	2757	8750	28	10.42	1630	0	1630	62	420	2610	3542	3268	324	1137	2433	35
0	1680	1280	2960	2960	0	5861	2749	8610	29	10.83	1620	0	1620	62	440	2600	3602	3279	323	1124	2426	35
0	1680	1290	2970	2970	0	5800	2750	8550	30	10.83	1620	0	1620	62	450	2600	3612	3289	323	1133	2427	35
0	1680	1290	2970	2970	0	5785	2765	8550	31	10.74	1620	0	1620	62	460	2590	3612	3287	325	1140	2440	35
0	1680	1280	2960	2960	0	5852	2758	8610	Aug 1	10.74	1610	0	1610	62	470	2610	3642	3318	324	1136	2434	35
0	1660	1280	2940	2940	0	5932	2738	8670	2	10.78	1610	0	1610	62	470	2620	3652	3330	322	1134	2416	35
0	1630	1280	2910	2910	0	5944	2746	8690	3	10.79	1600	0	1600	62	470	2620	3652	3329	323	1127	2423	35
0	1630	1230	2860	2860	0	5976	2744	8720	4	10.86	1590	0	1590	62	460	2630	3652	3329	323	1109	2421	35
0	1630	1240	2870	2870	0	6004	2746	8750	5	10.84	1580	0	1580	63	450	2650	3663	3340	323	1107	2423	35
0	1630	1240	2870	2870	0	6091	2739	8830	6	10.97	1580	0	1580	63	450	2680	3693	3371	322	1123	2417	35
0	1610	1240	2850	2850	0	5955	2735	8690	7	10.98	1570	0	1570	63	450	2650	3663	3341	322	1117	2413	35
0	1550	1260	2810	2810	0	5789	2761	8550	8	10.94	1490	0	1490	63	440	2650	3653	3328	325	1084	2436	35
0	1520	1270	2790	2790	0	5683	2757	8440	9	10.92	1430	0	1430	63	440	2660	3663	3338	325	1088	2432	35
0	1510	1260	2770	2770	0	5599	2761	8360	10	10.91	1430	0	1430	62	430	2620	3612	3287	325	1084	2436	35
0	1500	1250	2750	2750	0	5548	2762	8310	11	10.87	1430	0	1430	62	420	2610	3542	3267	325	1093	2437	35
0	1500	1240	2740	2740	0	5574	2766	8340	12	10.81	1420	0	1420	62	410	2600	3572	3246	326	1060	2440	35
0	1500	1240	2740	2740	0	5662	2778	8440	13	10.86	1400	0	1400	62	420	2640	3622	3295	327	1089	2451	35
0	1500	1240	2740	2740	0	5510	2800	8310	14	10.84	1400	0	1400	62	410	2610	3582	3253	329	1059	2471	35
0	1500	1240	2740	2740	0	5419	2781	8200	15	10.80	1390	0	1390	62	410	2580	3552	3225	327	1066	2454	35
0	1500	1240	2740	2740	0	5339	2781	8120	16	10.74	1390	0	1390	62	410	2550	3522	3195	327	1046	2454	35
0	1500	1240	2740	2740	0	5380	2770	8150	17	10.76	1400	0	1400	62	410	2540	3512	3186	326	1066	2444	35
0	1510	1260	2770	2770	0	5384	2786	8170	18	10.74	1390	0	1390	62	410	2540	3512	3185	327	1031	2459	34
0	1580	1270	2850	2850	0	5497	2783	8280	19	10.76	1390	0	1390	62	400	2550	3512	3185	327	1044	2456	35
0	1610	1250	2860	2860	0	5746	2784	8530	20	10.72	1390	0	1390	62	400	2590	3552	3225	327	1063	2457	35
0	1610	1240	2850	2850	0	5951	2769	8720	21	10.68	1400	0	1400	62	400	2600	3562	3236	326	1077	2443	35
0	1610	1260	2870	2870	0	5988	2762	8750	22	10.79	1430	0	1430	62	410	2610	3582	3257	325	1083	2437	35
0	1610	1260	2870	2870	0	5954	2766	8720	23	10.82	1450	0	1450	62	410	2610	3582	3257	325	1089	2441	35
0	1620	1230	2850	2850	0	5988	2762	8750	24	10.86	1450	0	1450	62	410	2610	3582	3257	325	1093	2437	35
0	1620	1230	2850	2850	0	6008	2772	8780	25	10.94	1450	0	1450	62	410	2600	3572	3246	326	1094	2446	35
0	1560	1240	2800	2800	0	5957	2763	8720	26	10.94	1450	0	1450	62	400	2610	3572	3247	325	1082	2438	35
0	1500	1230	2730	2730	0	5770	2760	8530	27	10.80	1440	0	1440	62	890	2620	3572	3247	325	1065	2435	35
0	1440	1210	2650	2650	0	5763	2767	8530	28	10.80	1440	0	1440	62	900	2650	3612	3287	325	1068	2442	35
0	1360	1210	2570	2570	0	5670	2770	8440	29	10.69	1430	0	1430	62	900	2620	3582	3256	326	1036	2444	35
0	1330	1180	2510	2510	0	5702	2768	8470	30	10.80	1440	0	1440	62	910	2610	3582	3256	326	1038	2442	35
0	1330	1180	2510	2510	0	5622	2768	8390	31	10.90	1430	0	1430	62	410	2610	3582	3256	326	1018	2442	35
0	1260	1150	2410	2410	0	5433	2767	8200	Sep 1	10.96	1430	0	1430	63	420	2590	3573	3248	325	918	2442	35
0	1210	1130	2340	2340	0	5194	2766	7960	2	10.86	1410	0	1410	63	420	2520	3503	3178	325	899	2441	35
0	1210	1140	2350	2350	0	4977	2763	7740	3	10.72	1400	0	1400	63	410	2510	3483	3158	325	872	2438	35
0	1210	1160	2370	2370	0	5036	2764	7800	4	10.65	1400	0	1400	63	410	2520	3493	3168	325	811	2439	35















# CANAL

	NO.	JUN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SWAN VALLEY USERS	1																					
RILEY	2																					
PROGRESSIVE IRR. DIST.	3																					
FARMERS FRIEND	4																					
ENTERPRISE	5																					
MATSON-CRAIG	6																					
HARRISON	7																					
RUDY-BOOMER	8																					
HITE & NORD	9																					
BURGESS	10																					
LOWDER & JENNINGS	11																					
SUNNY DELL	12																					
LENROOT	13																					
REID	14																					
MISCEL. PRIVATE DIVERSIONS	15																					
RIGBY	16																					
DILTS	17																					
ISLAND	18																					
BUTTE & MARKET LAKE	19																					
OSGOOD	20																					
BEAR ISLAND	21																					
SMITH	22																					
HENNEY	23																					
IDAHO	24																					
MARTIN	25																					
NEW SWEEDEN IRR. DIST.	26																					
KELLAR	27																					
WOODVILLE	28																					
SNAKE RIVER VALLEY	29																					
10% PENALTY ON STORED NOR.	30																					
TOTAL HEISE TO SHELLEY	31																					
RESERVATION	32																					
BLACKFOOT	33																					
NEW LAWA SIDE	34																					
PEOPLES	35																					
ABERDEEN	36																					
CORBETT	37																					
TREGO	38																					
10% PENALTY ON STORED NOR.	39																					
TOTAL SHELLEY TO BLACKFOOT	40																					
MINIDOKA PROJECT	41																					
MILNER LOW LIFT	42																					
TWIN FALLS CANAL CO.	43																					
NORTH SIDE PROJECT	44																					
GOODING PROJECT	45																					
IDAHO POWER CO.	46																					
	47																					
	48																					
	49																					
	50																					
	51																					
	52																					
	53																					
	54																					

(Roth, Fisher, Brown, White, Cheney, Mitchellson, Gardner.)







SER																														
26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	25	18	18	13	13	10	10	7	7	6	4																			
13	13	11	12	12	10	8	5	5	8	11	11	11	9	7	7	9	11	3	0											
21	19	8	16	21	6	4	4	6	3	0	0	5	1	0																
116	0	0	0	116	116	117	117	117	118	10	10	10	118	97	94	94	98	101	0											
47	403	408	408	403	-47	-47	-47	-47	-46	397	403	403	397	-48	-48	-48	-48	0												
0					0	2	2	2	2	0																				
4	4	4	7	7	33	36	0	5	0																					
31	26	23	49	24	19	17	0	32	50	17	43	45	41	50	51	59	0													
64	58	43	47	27	27	21	15	19	54	74	77	52	46	45	38	37	41	4	0											
2	0	0	16	17	22	25	26	7	3	11	11	12	13	26	30	29	29	0												
19	-79	-79	-79	49	40	51	48	50	0	0	0	-73	-73	-69	-64	73	56	0												
8	188	158	169	181	177	173	155	135	153	193	153	148	148	145	148	147	151													
1	103	103	103	98	98	99	100	100	100	99	90	82	-8	-8	-8	91	91	91	0											
0	3	3	3	0	3	0	3	0	0	0	0	0	3	3	0	0	3	0												
0	1	0	1	0	1	0	0	0	0	1	0	1	0	1	0	0	1	0												
2	16	13	10	10	17	15	15	18	21	24	23	23	24	24	23	21	11	0												
28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	0											
484	461	446	444	456	457	467	450	467	469	473	481	466	484	486	72															
1	0	0	0	1	0	0	0	1	0																					
7	71	71	70	70	70	66	61	68	74	72	71	67	66	65	66	68	55	0												
320	327	323	304	302	301	279	243	244	277	295	303	291	273	270	259	65	0													
-8	-8	-8	0	-5	-5	-5	-5	-5	0	0	-8	-9	-13	-13	-5	-5														
1650	1574	1621	1812	1375	1373	1298	1227	1269	1706	1705	1609	1579	1135	1271	1076	598	290	31	0											
0									0	245	414	383	388	383	385	387	404	0												
10	0	72	84	82	88	2	1	3	8	0																				
434	418	449	453	453	446	440	-21	-21	-21	-21	454	441	436	378	395	350	358													
1010	1010	956	927	921	924	927	924	924	902	892	895	836	823	823	820	783	636													
17	28	18	21	28	25	15	16	9	28	42	14	13	16	2	0															
60	58	52	46	51	47	51	54	44	51	64	47	47	46	38	50	0														
0	0	0	0	0	0	0	-2	-2	-2	-2																				
1531	1514	1597	1531	1699	1665	1659	1184	1169	1436	1418	1993	1915	1931	1890	1912	1537	994													
2650	2670	2510	2510	2410	2340	2350	2370	2360	2360	2350	2360	2350	2310	2130	2004	1863	1696	1546	1354	0	0	0	0	0	0	0	0	0	0	0
165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	158	150	150	150	150	150	150	132	125	126	116	110	116	87	76	76
1065	1068	1036	1038	1018	918	899	872	811	783	780	780	739	710	701	579	401	328	22	0											
247	3287	3256	3256	3256	3248	3178	3158	3168	3168	3148	3128	3048	3068	3018	2978	2908	2878	2792	2653	2503	2136	1562	2148	2027	1758	1545	1330	1003	1104	
440	1440	1430	1440	1436	1430	1410	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1410	1290	1200	1190	1160	1120	1120	1110	1080
328	328	330	328	325	325	322	319	319	319	325	328	328	328	328	328	328	336	333	330	325	316	319	325	333	330	353	377	377	377	377

26	27	28	29	30	NO.	TOTAL SEC.-FT.	TOTAL AC.-FT.	JACKSON LAKE EQUIV. AC.-FT.	JACKSON LAKE RIGHT AC.-FT.	FI
					1					
					2					
					3	1170	2320	2501	0	
					4	1021	2025	2184	1200	
					5	12002	23810	25675	0	
					6	987	1957	2110	2000	
					7	5295	10502	11326	6100	
					8	43	85	92	0	
					9	9489	18821	20293	5000	
					10	2548	5053	5449	2000	
					11	8	16	17	0	
					12	7977	15821	17061	5120	
					13	120	238	257	1040	
					14	2289	4540	4895	4000	
					15	3709	7354	7932	3000	
					16	0	0	0	0	
					17	82	162	175	0	
					18	97	193	208	0	
					19	727	1442	1555	0	
					20	-160	-317	-342	0	
					21	7431	14739	15870	0	
					22	5964	11829	12755	0	
					23	117	232	250	0	
					24	41	81	88	0	
					25	1248	2478	2669	35	
					26	6569	13030	14050	1500	
					27	2210	4384	4728	5000	
					28	23058	45735	49307	5000	
					29	24	48	52		
					30	3780	7497	8084		
					31	21660	42962	46327	1500	
					32	-243	-482	-520		
					33					
					34	118093	234238	252567	5130	
					35					
					36	1746	3463	3734		
					37	2971	5893	6354		
					38	291	578	623		
					39	20325	40313	43465	800	
					40	57761	114567	123550	426	
					41	1301	2580	2782		
					42	388	770	830		
					43	-133	-264	-285		
					44					
					45	84650	167900	181053	500	
					46					
					47	192828	382468		325	
					48	16893	35507		88	
					49	65814	130540		244	
					50	253749	503403			
					51	158560	314449			
					52	14483	28727			
					53					
					54	406240	1799602		811	
					TOTAL					

NOTES

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 & EXCHANGE AC.-FT.	TOTAL RIGHTS AC.-FT.	
												1									
												2	1170	2320	2501	0	0	0	2501	2501	
												3								2320	
					6	9	5	3	0			4	1021	2025	2184	1200	1175	0	0	2375	
												5	12002	23810	25675	0	22237	0	8040	30277	
												6	987	1957	2110	2000	0	0	110	2110	
					51	54	52	46	40	0		7	5295	10502	11326	6100	15570	0	-8067	13603	
												8	43	85	92	0	0	0	135	135	
												9	9489	18821	20293	5000	18257	0	76	23333	
												10	2548	5053	5449	2000	3044	0	405	5449	
												11	8	16	17	0	0	0	17	17	
												12	7977	15821	17061	5120	11941	0	0	17061	
												13	120	238	257	1040	0	0	0	1040	
												14	2289	4540	4895	4000	0	0	895	4895	
					76	94	54	40	0			15	3709	7356	7932	3000	6856	0	0	9856	
												16	0	0	0	0	4448	0	0	4448	
												17	82	162	175	0	0	0	175	175	
												18	77	193	208	0	0	0	208	208	
					29	9	9	6	0			19	727	1442	1555	0	1573	0	0	1573	
												20	-160	-317	-342	0	0	0	0	0	
												21	7431	14739	15890	0	4448	0	11406	15908	
					50	50	50	50	50	50		22	5964	11829	12755	0	24132	0	-193	23939	
												23	117	232	250	0	333	0	0	333	
												24	41	81	88	0	121	0	0	121	
												25	1248	2478	2669	355	0	1110	1204	2669	
												26	6569	13030	14050	0	39981	0	0	39981	
												27	2210	4384	4728	1500	3332	0	0	4832	
												28	23058	45735	49307	5000	43426	110	781	49317	
												29	24	48	52	0	0	0	52	52	
					27	27	30	30	30			30	3780	7497	8084	0	13331	0	-4241	9090	
					66	92	87	75	66			31	21660	42962	46327	15000	40955	0	0	55955	
												32	-243	-482	-520	0	0	0	0	0	
												33									
					101	308	333	281	244	146		34	118093	234238	252567	51315	255160	1220	11057	318752	
												35									
					149	310	334	249	183			36	1746	3463	3734	0	0	0	3734	3734	
												37	2971	5893	6354	0	22272	0	0	22272	
												38	291	578	623	0	0	0	623	623	
					212	212	220	145	181			39	20325	40313	43465	8000	34279	0	1186	43465	
					189	326	613	633	636			40	57761	114567	123550	42685	98314	0	0	140999	
												41	1301	2580	2782	0	5927	0	0	5927	
												42	388	770	830	0	2167	0	0	2167	
												43	-133	-264	-285	0	0	0	0	0	
												44									
					550	848	1167	1027	1000			45	84650	167900	181053	50685	162959	0	5543	219187	
												46									
					0	0	0	0	0	175		47	192828	382468		325810	102883	136170		564863	
					126	116	110	116	87	76		48	16843	35507			51149			51149	
												49	65814	130540		88670	172886		-19101	242455	
					2027	1758	1545	1330	1003	1104		50	253744	503403		244680	503024			747709	
					1070	1020	940	940	990	470		51	158560	314499			416048			416048	
					333	330	353	377	377	377		52	14483	28727			45447			45447	
												53									
												TOTAL	54	406240	1799602		811160	1709561	137390	0	2658111

- ① From Market Springs.
- ② Rented through Bureau of Reclamation.
- ③ 588 rented through Bureau of Reclamation & from Osgood for U.I. Sugar Co. lands.
- ④ 49 rented through Bureau of Reclamation, 804 to Progressive Irr. Dist. and 76 to Harrison for stockholders lands.
- ⑤ Transfer from Enterprise.
- ⑥ Transferred to Sugar Co. lands under New SW.
- ⑦ Sold through Bureau of Reclamation.
- ⑧ Lake Walcott 100,370 on June 2, plus 35,800

NOTES

28	29	30	NO.	TOTAL SEC.-FT.	TOTAL AC.-FT.	JACKSON LAKE EQUIT. AC.-FT.	JACKSON LAKE RIGHT AC.-FT.	A.M. FALL RIGHT AC.-FT.	OTHER RIGHTS AC.-FT.	SEASONAL PURCHASES & EXCHANGE AC.-FT.	TOTAL RIGHTS AC.-FT.
			1							2501	2501
			2	1170	2320	2501	0	0	0	0	2325
			3							0	30277
5	3	0	4	1021	2025	2184	1200	1125	0	8040	2110
			5	12002	23810	25675	0	22277	0	110	13603
			6	987	1957	2110	2000	0	0	-8067	135
46	40	0	7	5295	10502	11326	6100	15570	0	135	23333
			8	43	85	92	0	0	0	76	5449
			9	9489	18821	20293	5000	18257	0	405	17
			10	2548	5053	5449	2000	3044	0	17	17061
			11	8	16	17	0	0	0	0	1040
			12	7477	15821	17061	5120	11441	0	0	4895
			13	120	238	257	1040	0	0	895	9856
			14	2289	4540	4895	4000	0	0	0	4448
54	40	0	15	3709	7356	7932	3000	4856	0	0	175
			16	0	0	0	0	4448	0	175	208
			17	82	162	175	0	0	0	208	1573
			18	97	193	208	0	0	0	0	15908
9	6	0	19	727	1442	1555	0	1573	0	11406	23739
			20	-160	-317	-342	0	0	0	-193	333
			21	7431	14739	15890	0	4448	0	0	121
0	50	50	22	5964	11829	12755	0	24132	0	1204	2669
			23	117	232	250	0	333	0	0	39981
			24	41	81	88	0	121	0	0	4832
			25	1248	2478	2669	355	0	1110	1204	49317
			26	4569	13030	14050	0	39981	0	0	52
			27	2210	4384	4728	1500	3332	0	0	9090
			28	23058	45735	49307	5000	43426	110	781	55955
			29	24	48	52	0	0	0	52	0
30	30	30	30	3780	7477	8084	0	13331	0	-4241	0
75	66	31	31	21460	42942	46327	15000	40955	0	0	318752
			32	-242	-482	-520					
			33								
244	146	34	34	118093	234238	252567	51315	255160	1220	11057	3734
			35								22272
249	183	36	36	1746	3463	3734	0	0	0	623	43465
			37	2971	5893	6354	0	22272	0	0	140999
			38	291	578	623	0	0	0	623	5927
145	181	39	39	20325	40313	43465	8000	34279	0	1186	2167
633	636	40	40	57761	114567	123550	42685	98316	0	0	0
			41	1301	2580	2782	0	5927	0	0	
			42	388	770	830	0	2167	0	0	
			43	-133	-264	-285	0	0	0	0	
			44								
1027	1000	45	45	84650	167900	181053	50685	162959	0	5543	219187
			46								
501	180	47	47	192828	382468		325810	102883	136170		564863
75	70	48	48	16843	35507			51149			51149
			49	65814	130540		88670	172886			242455
667	404	50	50	253744	503403		244680	503029		-19101	797709
310	0	51	51	158560	314444			416048			416048
68	364	52	52	14483	28727			45447			45447
			53								
TOTAL	54	406	240	1799602		811160	1704561	137390	0	2658111	

- ① From Market Springs.
- ② Rented through Bureau of Reclamation.
- ③ 588 rented through Bureau of Reclamation & 193 transferred from Osgood for U.I. Sugar Co. lands.
- ④ 49 rented through Bureau of Reclamation, 8040 transferred to Progressive Irr. Dist. and 76 to Harrison for Enterprise Co. stockholders lands.
- ⑤ Transfer from Enterprise.
- ⑥ Transferred to Sugar Co. lands under New Sweden Canal.
- ⑦ Sold through Bureau of Reclamation.
- ⑧ Lake Walcott 100,370 on June 2, plus 35,800 gain Necky To Milner

TIME INTERVAL BETWEEN GAGING STATIONS ON SNAKE RIVER

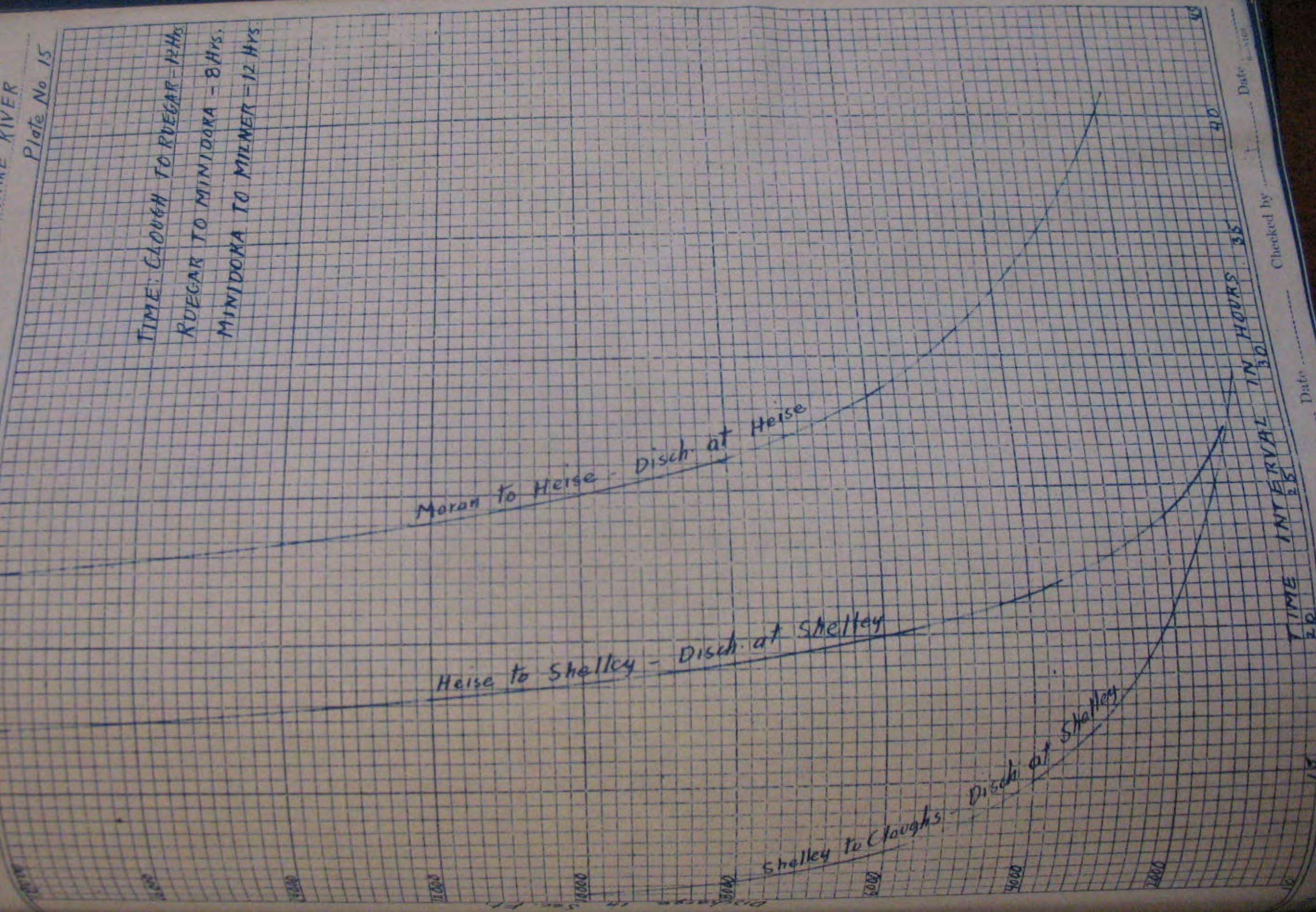
Plate No 15

TIME: CLOUGH TO RUEGAR - 12 HRS  
RUEGAR TO MINIDOKA - 8 HRS  
MINIDOKA TO MILNER - 12 HRS

Maran to Heise - Disch. at Heise

Heise to Shelley - Disch. at Shelley

Shelley to Cloughs - Disch. at Shelley





ONLY DISCHARGE IN SEC.-FT. OF HENRY'S FORTH CANALS FOR JUNE 1942

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HARRIGFIELD	0	0	0	0	0	0	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	43	45	45	46	57	57	57	68	73	90	107	118	124	133	142	146	151	155	155	155	155	155	155	155	155	155	155	155	155	155	3596
TOTAL ABOVE SQUIRREL	43	45	45	46	57	57	57	68	73	90	107	118	124	133	142	146	151	155	155	155	155	155	155	155	155	155	155	155	155	155	3596
FARMERS OWN	0	0	0	0	6	6	6	9	22	28	34	41	60	65	68	63	67	47	51	51	51	51	51	51	51	51	51	51	51	51	1141
BLM	0	0	0	0	0	0	0	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	92	150	155	146	163	162	161	149	159	159	157	155	154	154	154	148	146	153	154	154	154	154	154	154	154	154	154	154	154	154	4596
BELL	309	310	320	328	405	430	430	446	400	405	415	410	405	424	467	364	384	384	384	384	384	384	384	384	384	384	384	384	384	384	11838
FALL RIVER	1	1	2	3	3	3	4	5	7	7	6	5	5	4	5	6	5	6	7	7	7	7	7	7	7	7	7	7	7	7	154
MCBEE	83	88	94	94	99	99	100	101	102	102	101	100	98	97	96	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	2838
CHESTER	4	8	15	23	24	24	24	25	24	24	24	24	24	24	24	23	23	22	21	21	22	22	23	23	23	23	23	23	23	23	599
SILKEY	59	60	60	62	63	65	66	68	69	69	68	60	40	40	40	40	40	39	39	39	39	39	39	39	39	39	39	39	39	39	1435
CURR	59	60	60	62	63	65	66	68	69	69	68	60	40	40	40	40	40	39	39	39	39	39	39	39	39	39	39	39	39	39	1435
TOTAL SQUIRREL-CHESTER	554	625	656	679	775	802	808	824	840	809	819	835	810	804	817	854	730	763	766	766	766	766	766	766	766	766	766	766	766	766	22940
DEWEY	24	24	24	24	24	24	24	25	26	26	27	27	26	25	25	24	24	23	23	24	24	24	24	24	24	24	24	24	24	24	768
LAST CHANCE	50	50	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	2092
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
ST ANTHONY UNION	485	517	519	531	528	534	545	555	565	575	483	470	465	504	507	497	470	443	435	427	419	446	472	497	463	460	434	409	398	14513	
FARMERS FRIEND	221	218	223	228	236	245	230	210	197	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	4503
TWIN GROVES	170	174	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	4665
SALEM UNION	79	64	194	194	192	202	206	207	208	220	210	183	194	0	198	211	198	210	214	214	214	214	222	234	218	176	161	164	168	156	5419
TOTAL ASHTON-ST. ANTHONY	1029	1147	1146	1161	1176	1201	1247	1249	1263	1251	1132	1100	1014	946	1009	1017	1058	1080	1081	1081	1081	1081	1081	1081	1081	1081	1081	1081	1081	1081	31958
EGIN	359	359	388	392	401	409	409	413	467	369	327	361	361	386	390	287	344	305	245	245	281	305	317	285	285	239	239	235	263	295	9901
ST ANTHONY UNION FEEDER	79	88	92	102	100	96	95	94	92	91	86	75	85	81	74	54	52	52	52	52	52	52	52	52	52	52	52	52	52	52	2078
INDEPENDENT	326	348	357	366	361	370	372	386	400	328	317	322	342	335	273	226	214	230	245	241	254	265	267	290	304	187	187	202	226	218	8759
CONSOLIDATED FARMERS	222	292	286	322	321	320	322	324	349	295	290	285	278	298	317	324	288	284	280	224	247	270	268	265	269	273	217	224	232	232	8423
TOTAL ST ANTHONY - REXBURG	986	1087	1123	1182	1183	1193	1198	1217	1248	1083	1020	1043	1066	1100	1054	1054	1054	1054	1054	1054	1054	1054	1054	1054	1054	1054	1054	1054	1054	1054	29161
TOTAL ST ANTHONY - REXBURG	986	1087	1123	1182	1183	1193	1198	1217	1248	1083	1020	1043	1066	1100	1054	1054	1054	1054	1054	1054	1054	1054	1054	1054	1054	1054	1054	1054	1054	1054	29161
WILFORD	151	151	160	170	182	180	180	175	170	150	146	150	150	150	150	145	140	140	140	140	140	140	140	140	140	140	140	140	140	140	4514
TETON IRRIGATION	58	56	54	52	51	51	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	435
GOOD LUCK	6	6	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	474
PIONEER	18	16	14	12	9	12	16	22	20	14	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	599
STEWART	13	13	13	13	13	12	11	11	11	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	303
PINCOCK-BYINGTON	8	9	10	11	12	12	11	11	11	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	471
PINCOCK-GARNER	15	15	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	14	14	14	590
TETON ISLAND FEEDER	415	435	455	476	496	518	541	541	490	465	440	434	474	485	474	429	418	406	395	412	363	406	412	418	454	490	412	358	342	325	13060
NORTH SALEM	8	15	20	25	33	33	34	34	30	25	20	15	11	12	13	14	15	16	14	12	10	8	7	7	7	7	7	7	7	7	231
ROXNH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1065
ISLAND WARD	42	22	30	50	85	86	88	90	80	60	47	45	40	35	31	25	20	13	14	11	11	11	11	11	11	11	11	11	11	11	892
WOODMANSSEE-JOHNSON	20	22	24	26	28	30	32	34	36	38	40	40	35	30	29	29	27	26	27	27	28	28	28	28	28	28	28	28	28	28	1383
CITY OF REXBURG	27	29	31	34	38	46	44	50	51	51	52	50	48	46	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	8074
REXBURG IRRIGATION	240	238	254	270	276	280	284	284	284	294	298	301	288	273	258	243	250	250	229	283	296	284	271	259	262	265	265	265	265	265	8074
MCCLURICH-ROWE	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	218
SAURY-SOMMERS	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	285
TOTAL	1034	1032</																													







DATE	HENRYS LAKE CONTENTS AC.-FT.	HENRYS FORK NEAR LAKE			STORED LOSS LAKE TO ISL. PARK	STORAGE DIVERSIONS ABOVE ISL. PARK	F.M. DIST. SHERIDAN CREEK RIGHT	STORAGE INFLOW TO ISL. PARK RESERVOIR
		STOR	NORM	TOTAL				
May 27								
28		-78	88	10				
29		-78	88	10	-3			
30		-78	88	10	-3			
31	57480	-78	88	10	-3			
June 1		-78	89	11	-3			
2		-78	89	11	-3			
3		0	11	11	0			
4		0	11	11	0			
5		0	11	11	0			
6	58400	0	11	11	0			
7		0	11	11	0			
8		0	11	11	0			
9		0	11	11	0			
10		-144	155	11	-6			
11		-144	155	11	-6			
12		-144	155	11	-6			
13		-144	155	11	-6			
14		-144	155	11	-6			
15		-144	155	11	-6			
16		-144	155	11	-6			
17		-144	155	11	-6			
18		-144	155	11	-6			
19		-144	155	11	-6			
20		-144	155	11	-6			
21		-144	155	11	-6			
22	62973	-112	123	11	-4			
23		-112	123	11	-4			
24		-112	123	11	-4			
25		-112	123	11	-4			
26		-112	123	11	-4			
27		-112	123	11	-4			
28		-111	122	11	-4			
29		-111	122	11	-4			
30	64740	-111	122	11	-4			
July 1		-111	123	12	-4			
2		-111	123	12	-4			
3	65404	-111	123	12	-4			
4		-52	64	12	-2			
5	66254	-52	64	12	-2			
6	66376	-52	64	12	-2			
7	66376	-52	73	21	-2			
8	66497	-52	73	21	-2			
9	66619	-52	73	21	-2			
10	66619	-52	73	21	-2			
11	66680	-52	73	21	-2			
12	66740	-52	74	22	-2			
13	66740	-52	74	22	-2			
14	66801	-52	74	22	-2			
15	66801	-52	74	22	-2			
16	66862	-52	74	22	-2			
17	66862	41	60	101	2			
18	66740	18	55	73	1			
19	66680	20	50	70	1			
20	66619	24	45	69	1			
21	66558	25	45	70	1			
22	66447	25	45	70	1			
23	66376	114	40	154	4			
24	65840	238	40	278	10			
25	65282	238	40	278	10			
26	65034	243	35	278	10			
27	64746	243	35	278	10			
28	63454	241	35	276	10			

DATE	ISL. PARK RESERVOIR CONTENTS AC.-FT.	HENRYS FORK NR. ISL. PARK			STORED LOSS ISL. PARK TO ASHTON	DATE	HENRYS FORK NEAR ASHTON			GRASSY LAKE STORAGE RELEASE	STORAGE DIVERSIONS ASHTON TO ST. ANTHONY	HENRYS FORK AT ST. ANTHONY			STORAGE DIVERSIONS ST. ANTHONY TO REXBURG	DATE
		STOR	NORM	TOTAL			STOR	NORM	TOTAL			STOR	NORM	TOTAL		
May 28	137070	-30	1140	1160	-1	May 28	-29	2514	2440	(a)	(b)	-29	3104	3080	May 30	
29	137230	-30	1250	1200	-1	30	-29	2449	2470			-29	3154	3130	31	
30	137150	-105	1245	1140	-2	31	-103	2523	2420			-103	3043	2940	June 1	
June 1	136940	-105	1175	1070	-3	June 1	-103	2402	2300			-103	2682	2580	2	
2	136825	-105	1115	1010	-3	2	-103	2283	2180			-103	2373	2270	3	
3	136260	-105	1086	981	-2	3	-102	2222	2120			-102	2372	2270	4	
4	136175	-30	1011	981	-1	4	-103	2223	2120			-103	2503	2400	5	
5	136340	-30	1050	1020	-1	5	-29	2109	2080			-29	2409	2380	6	
6	136580	-30	1060	1030	-1	6	-29	2149	2120			-29	2549	2520	7	
7	136500	-30	1070	1040	-1	7	-29	2129	2100			-29	2569	2540	8	
8	136745	-30	1130	1100	-1	8	-29	2209	2180			-29	2919	2890	9	
9	137070	-30	1190	1160	-1	9	-29	2229	2200			-29	3329	3300	10	
10	137070	-30	1190	1160	-1	10	-29	2149	2120			-29	3909	3880	11	
11	136905	-168	1228	1060	-4	11	-164	2064	1900			-164	3254	3230	12	
12	136260	-168	1160	992	-4	12	-164	2024	1860			-164	2684	2520	13	
13	135935	-168	1112	944	-4	13	-164	1944	1830			-164	2544	2380	14	
14	136015	-168	1070	902	-4	14	-164	2104	1940			-164	2354	2190	15	
15	135690	-168	1060	892	-4	15	-164	2024	1860			-164	2324	2160	16	
16	135770	-168	1081	913	-4	16	-164	2104	1940			-164	2354	2190	17	
17	135610	-168	1024	856	-4	17	-164	2024	1860			-164	2324	2160	18	
18	135450	-168	1003	835	-4	18	-164	1894	1730			-164	2284	2120	19	
19	134880	-168	953	785	-4	19	-164	1894	1730			-164	2284	2120	20	
20	134800	-168	908	740	-4	20	-164	1794	1630			-164	2104	1940	21	
21	134555	-168	873	705	-4	21	-164	1764	1600			-164	1864	1700	22	
22	134235	-168	829	661	-4	22	-164	1684	1520			-164	1684	1520	23	
23	134075	-138	784	646	-4	23	-134	1654	1520			-134	1624	1460	24	
24	133990	-138	765	627	-3	24	-134	1654	1520			-134	1744	1610	25	
25	133910	-138	765	627	-3	25	-135	1575	1440			-135	2035	1900	26	
26	133750	-138	745	607	-3	26	-134	1654	1520			-134	2304	2170	27	
27	133910	-138	741	603	-4	27	-135	1655	1520			-135	2075	1940	28	
28	133830	-138	760	622	-3	28	-134	1584	1450			-134	1654	1520	29	
29	134075	-137	769	632	-4	29	-135	1685	1550			-135	1645	1510	30	
30	133910	-137	744	607	-3	30	-133	1603	1470			-133	1513	1380	July 1	
July 1	133590	-137	716	579	-4	July 1	-134	1524	1390			-134	1354	1220	2	
2	133590	-137	711	574	-3	2	-133	1513	1380			-133	1373	1240	3	
3	133510	-137	697	560	-4	3	-134	1514	1380			-134	1384	1250	4	
4	133430	-137	697	560	-3	4	-133	1463	1330			-133	1283	1150	5	
5	133350	-80	644	564	-2	5	-134	1464	1330			-134	1284	1150	6	
6	133270	-80	654	574	-2	6	-78	1408	1330			-78	1358	1280	7	
7	133270	-80	649	569	-2	7	-78	1408	1330			-78	1288	1210	8	
8	133110	-80	640	560	-2	8	-78	1398	1320			-78	1208	1130	9	
9	132950	-80	630	550	-2	9	-78	1358	1280			-78	1072	994	10	
10	132950	-80	616	536	-2	10	-78	1338	1260			-78	994	816	11	
11	132710	122	500	622	3	11	-78	1338	1260			-78	808	730	12	
12	132310	201	450	651	5	12	119	1221	1340			146	-77	770	693	13
13	131930	432	450	882	11	13	196	1194	1390			252	-56	768	712	14
14	130720	600	450	1050	15	14	421	1364	1790			509	-88	1007	919	15
15	129695	590	450	1040	15	15	585	1205	1790			482	103	854	962	16
16	128360	600	450	1050	15	16	575	1235	1810			500	75	955	1030	17
17	127265	610	450	1060	15	17	585	1185	1770			522	63	909	972	18
18	125865	610	450	1060	15	18	595	1215	1810			523	72	890	962	19
19	124780	610	450	1060	15	19	595	1215	1810			524	71	826	897	20
20	123475	605	445	1050	15	20	595	1235	1830			530	65	832	897	21
21	122490	610	440	1050	15	21	595	1235	1830			541	49	807	856	22
22	121425	710	440	1150	18	22	590	1220	1810			534	56	750	806	23
23	120065	820	440	1260	20	23	595	1215	1810			534	56	750	806	24
24	119235	965	435	1400	24	24	595	1215	1810			534	56	750	806	25
25	117000	969	431	1400	24	25	595	1215	1810			534	56	750	806	26
26	115300	1026	414	1440	26	26	595	1215	1810			534	56	750	806	27
27	113550	1130	410	1540	28	27	595	1215	1810			534	56	750	806	28
28	112025	1130	410	1540	28	28	595	1215	1810			534	56	750	806	29
29	110230	1180	410	1590	30	29	595	1215	1810			534	56	750	806	30

@ Listed here 1 day later than at dam.

(b) Includes Fall River storage diversions

# HENRYS FORK - D

# HENRY'S FORK - DAILY SEGREGATION

24 HOUR SECOND- FEET EXCEPT AS NOTED

STORAGE INFLOW TO ISL. PARK RESERVOIR	DATE	ISL. PARK RESERVOIR CONTENTS AC.-FT.	HENRY'S FORK NR. ISL. PARK			STORED LOSS ISL. PARK TO ASHTON	DATE	HENRY'S FORK NEAR ASHTON			GRASSY LAKE STORAGE RELEASE (a)	STORAGE DIVERSIONS ASHTON TO ST. ANTHONY (b)	HENRY'S FORK AT ST. ANTHONY			STORAGE DIVERSIONS ST. ANTHONY TO REXBURG	DATE	STORAGE AT HENRY'S FORK NEAR REXBURG		
			STOR.	NORM.	TOTAL			STOR.	NORM.	TOTAL			STOR.	NORM.	TOTAL			STOR.	NORM.	TOTAL
-75	May 28	137070	-30	1190	1160	-1	May 29	-29	2519	2490	-29	3109	3080	May 30	-29					
-75	29	137230	-30	1230	1200	-1	30	-29	2499	2470	-29	3159	3130	31	-29					
-75	30	137150	-105	1295	1190	-2	31	-103	2523	2420	-103	3043	2940	June 1	-103					
-75	31	136990	-105	1245	1140	-3	June 1	-102	2402	2300	-102	2682	2580	2	-102					
-75	June 1	136825	-105	1175	1070	-2	2	-103	2283	2180	-103	2373	2270	3	-103					
-75	2	136260	-105	1115	1010	-3	3	-102	2222	2120	-102	2372	2270	4	-102					
-75	3	136260	-105	1086	981	-2	4	-103	2223	2120	-103	2503	2400	5	-103					
0	4	136175	-30	1011	981	-1	5	-29	2109	2080	-29	2409	2380	6	-29					
0	5	136340	-30	1050	1020	-1	6	-29	2149	2120	-29	2549	2520	7	-29					
0	6	136580	-30	1060	1030	-1	7	-29	2129	2100	-29	2569	2540	8	-29					
0	7	136500	-30	1070	1040	-1	8	-29	2209	2180	-29	2919	2890	9	-29					
0	8	136745	-30	1130	1100	-1	9	-29	2209	2180	-29	3329	3300	10	-29					
0	9	137070	-30	1190	1160	-1	10	-29	2229	2200	-29	3909	3880	11	-29					
0	10	137070	-30	1190	1160	-1	11	-29	2149	2120	-29	3259	3230	12	-29					
-138	11	136905	-168	1228	1060	-4	12	-164	2164	2000	-164	2684	2520	13	-164					
-138	12	136260	-168	1160	992	-4	13	-164	2064	1900	-164	2544	2380	14	-164					
-138	13	135935	-168	1112	944	-4	14	-164	2024	1860	-164	2414	2250	15	-164					
-138	14	136015	-168	1070	902	-4	15	-164	1944	1830	-164	2354	2190	16	-164					
-138	15	135690	-168	1060	892	-4	16	-164	2104	1940	-164	3124	2960	17	-164					
-138	16	135770	-168	1081	913	-4	17	-164	2024	1860	-164	2774	2610	18	-164					
-138	17	135610	-168	1024	856	-4	18	-164	1894	1730	-164	2284	2120	19	-164					
138	18	135450	-168	1003	835	-4	19	-164	1894	1730	-164	2264	2100	20	-164					
138	19	134880	-168	953	785	-4	20	-164	1794	1630	-164	2104	1940	21	-164					
138	20	134800	-168	908	740	-4	21	-164	1764	1600	-164	1864	1700	22	-164					
138	21	134555	-168	873	705	-4	22	-164	1684	1520	-164	1684	1520	23	-164					
138	22	134235	-168	829	661	-4	23	-164	1684	1520	-164	1624	1460	24	-164					
108	23	134075	-138	784	646	-4	24	-134	1654	1520	-134	1744	1610	25	-134					
108	24	133990	-138	765	627	-3	25	-135	1575	1440	-135	2035	1900	26	-135					
108	25	133910	-138	765	627	-4	26	-134	1654	1520	-134	2304	2170	27	-134					
108	26	133750	-138	745	607	-3	27	-135	1655	1520	-135	2075	1940	28	-135					
108	27	133910	-138	741	603	-4	28	-134	1584	1450	-134	1654	1520	29	-134					
108	28	133830	-138	760	622	-3	29	-135	1685	1550	-135	1645	1510	30	-135					
107	29	134075	-137	769	632	-4	30	-133	1603	1470	-133	1513	1380	July 1	-133					
107	30	133910	-137	744	607	-3	July 1	-134	1524	1390	-134	1354	1220	2	-134					
107	July 1	133590	-137	716	579	-4	2	-133	1513	1380	-133	1373	1240	3	-133					
107	2	133590	-137	711	574	-3	3	-134	1514	1380	-134	1384	1250	4	-134					
107	3	133510	-137	697	560	-4	4	-133	1463	1330	-133	1283	1150	5	-133					
107	4	133430	-137	697	560	-3	5	-134	1464	1330	-134	1284	1150	6	-134					
50	5	133350	-80	644	564	-2	6	-78	1408	1330	-78	1358	1280	7	-78					
50	6	133270	-80	654	574	-2	7	-78	1408	1330	-78	1288	1210	8	-78					
50	7	133270	-80	649	569	-2	8	-78	1398	1320	-78	1208	1130	9	-78					
50	8	133110	-80	640	560	-2	9	-78	1358	1280	-78	1072	994	10	-78					
50	9	132950	-80	630	550	-2	10	-78	1338	1260	-78	894	816	11	-78					
50	10	132950	-80	616	536	-2	11	-78	1338	1260	-78	808	730	12	-78					
37	11	132710	122	500	622	3	12	119	1221	1340	196	-77	770	693	13	-77				
37	12	132310	201	450	651	5	13	196	1194	1390	252	-56	768	712	14	-56				
37	13	131830	432	450	882	11	14	421	1369	1790	509	-88	1007	919	15	-161				
37	14	130720	600	450	1050	15	15	585	1205	1790	482	103	859	962	16	31				
41	15	129695	590	450	1040	15	16	575	1235	1810	500	75	955	1030	17	2				
42	16	128560	600	450	1050	15	17	585	1185	1770	522	63	909	972	18	-25				
42	17	127265	610	450	1060	15	18	595	1215	1810	523	72	890	962	19	-93				
47	18	125865	610	450	1060	15	19	595	1215	1810	524	71	826	897	20	-231				
25	19	124780	610	450	1060	15	20	595	1235	1830	530	65	832	897	21	-214				
27	20	123475	605	445	1050	15	21	590	1220	1810	541	49	807	856	22	-244				
31	21	122490	610	440	1050	15	22	595	1215	1810	539	56	750	806	23	-253				
32	22	121425	710	440	1150	18	23	692	1248	1940	616	125	794	919	24	-203				
32	23	120065	820	440	1260	20	24	800	1320	2120	49	196	914	1110	25	-171				
118	24	119235	965	435	1400	24	25	941	1199	2140	49	93	947	1040	26	-392				
236	25	117000	969	431	1400	24	26	945	1235	2180	49	79	991	1070	27	-420				
236	26	115300	1026	414	1440	26	27	1000	1280	2280	49	107	1173	1280	28	-308				
241	27	113550	1130	410	1540	28	28	1102	1218	2320	49	196	1084	1280	29	-288				
241	28	112025	1130	410	1540	28	29	1102	1218	2320	49	168	1132	1300	30	-174				
239	29	110230	1180	410	1590	30	30	1150	1250	2400	49	988	211	1209	1420	31	-153			

DATE	HENRY'S LAKE CONTENTS AC.-FT.	HENRY'S FORK NEAR LAKE	
		STOR.	NORM. TOTAL
July 29	63095	237	35
30	62973	237	35
31	62244	237	35
Aug 1	61515	240	30
2	61151	242	30
3	59420	242	30
4	58997	240	30
5	58758	239	30
6	58639	237	30
7	58520	235	30
8	58281	233	30
9	56969	233	30
10	57208	231	30
11	56730	230	30
12	56015	229	30
13	55418	264	30
14	54822	262	30
15	54120	267	25
16	53535	267	25
17	52949	267	25
18	52481	269	25
19	51779	267	25
20	51194	267	25
21	50609	269	25
22	50023	267	25
23	49555	265	25
24	48912	263	25
25	48397	262	25
26	48282	260	25
27	47709	258	25
28	47250	256	25
29	46792	267	20
30	46333	264	20
31	45302	261	20
Sept 1	44728	257	20
2	44270	254	20
3	43811	63	20
4	43582	55	20
5	43410	48	20
6	43467	40	20
7	43353	40	20
8	43238	41	20
9	43238	41	20
10	43126	42	20
11	43014	42	20
12	42902		
13	43014		
14	43126		
15	43126		
16	43238		
17	43353		
18	43353		
19	43238		
20	43126		
21	43182		
22	43238		
23	43238		
24	43582		
25	43582		
26	43582		
27	43697		
Total		6835	

Listed here 1 day later than at dam. (b) Includes Fall River storage diversions

# HENRYS FORK - DAILY SEGREGATION OF FLOW 1942

24 HOUR SECOND- FEET EXCEPT AS NOTED

HENRYS FORK NEAR ASHTON			GRASSY LAKE STORAGE RELEASE	STORAGE DIVERSIONS ASHTON TO ST. ANTHONY	HENRYS FORK AT ST. ANTHONY			STORAGE DIVERSIONS ST. ANTHONY TO REXBURG	DATE	STORAGE AT HENRYS FK. NEAR REXBURG
TOR	NORM	TOTAL	(a)	(b)	STOR	NORM	TOTAL	REXBURG		
-29	2519	2490			-29	3109	3080		May 30	-29
-29	2499	2470			-29	3159	3130		31	-29
103	2523	2420			-103	3043	2940		June 1	-103
102	2401	2300			-102	2682	2580		2	-102
103	2283	2180			-103	2373	2270		3	-103
02	2222	2120			-102	2372	2270		4	-102
103	2223	2120			-103	2503	2400		5	-103
29	2109	2080			-29	2409	2380		6	-29
29	2149	2120			-29	2549	2520		7	-29
29	2129	2100			-29	2569	2540		8	-29
29	2209	2180			-29	2919	2890		9	-29
29	2209	2180			-29	3329	3300		10	-29
29	2229	2200			-29	3909	3880		11	-29
29	2149	2120			-29	3259	3230		12	-29
64	2164	2000			-164	2684	2520		13	-164
64	2064	1900			-164	2544	2380		14	-164
64	2024	1860			-164	2414	2250		15	-164
64	1994	1830			-164	2354	2190		16	-164
64	2104	1940			-164	3124	2960		17	-164
64	2024	1860			-164	2774	2610		18	-164
64	1894	1730			-164	2284	2120		19	-164
64	1894	1730			-164	2264	2100		20	-164
64	1794	1630			-164	2104	1940		21	-164
64	1764	1600			-164	1864	1700		22	-164
64	1684	1520			-164	1684	1520		23	-164
64	1684	1520			-164	1624	1460		24	-164
34	1654	1520			-134	1744	1610		25	-134
35	1575	1440			-135	2035	1900		26	-135
34	1654	1520			-134	2304	2170		27	-134
5	1655	1520			-135	2075	1940		28	-135
34	1584	1450			-134	1654	1520		29	-134
35	1685	1550			-135	1645	1510		30	-135
33	1603	1470			-133	1513	1380		July 1	-133
34	1524	1390			-134	1354	1220		2	-134
33	1513	1380			-133	1373	1240		3	-133
34	1514	1380			-134	1384	1250		4	-134
33	1463	1330			-133	1283	1150		5	-133
34	1464	1330			-134	1284	1150		6	-134
8	1408	1330			-78	1358	1280		7	-78
8	1408	1330			-78	1288	1210		8	-78
8	1398	1320			-78	1208	1130		9	-78
8	1358	1280			-78	1072	994		10	-78
8	1338	1260			-78	894	816		11	-78
8	1338	1260			-78	808	730		12	-78
9	1221	1340		196	-77	770	693		13	-77
6	1194	1390		252	-56	768	712		14	-56
1	1369	1790		509	-88	1007	919	73	15	-161
5	1205	1790		482	103	859	962	72	16	31
5	1235	1810		500	75	955	1030	73	17	2
5	1185	1770		522	63	909	972	88	18	-25
5	1215	1810		523	72	890	962	165	19	-93
5	1215	1810		524	71	826	897	302	20	-231
5	1235	1830		530	65	832	897	279	21	-214
0	1220	1810		541	49	807	856	293	22	-244
5	1215	1810		539	56	750	806	309	23	-253
2	1248	1940	49	616	125	794	919	328	24	-203
0	1320	2120	49	653	196	914	1110	367	25	-171
5	1199	2140	49	897	93	947	1040	485	26	-392
5	1235	2180	49	915	79	991	1070	499	27	-420
5	1280	2280	49	942	107	1173	1280	415	28	-308
5	1218	2320	49	955	196	1084	1280	484	29	-288
5	1218	2320	49	983	168	1132	1300	342	30	-174
5	1250	2400	49	988	211	1209	1420	364	31	-153

Includes Fall River storage diversions

DATE	HENRYS LAKE CONTENTS AC.-FT.	HENRYS FORK NEAR LAKE			STORED LOSS LAKE TO ISL. PARK	STORAGE DIVERSIONS ABOVE ISL. PARK	F.M. DIST. SHERIDAN CREEK RIGHT	STORAGE INFLOW TO ISL. PARK RESERVOIR	DATE	ISL. PARK RESERVOIR CONTENTS AC.-FT.	HENRYS FORK NR. ISL. PARK		
		STOR	NORM	TOTAL							STOR	NORM	TOTAL
July 29	63095	237	35	272	9	4	12	236	July 30	108235	1280	410	
30	62973	237	35	272	9	4	10	234	31	106335	1280	410	
31	62244	237	35	272	9	4	10	234	Aug 1	104335	1280	410	
Aug 1	61515	240	30	270	10	4	10	236	2	102255	1280	410	
2	61151	242	30	272	10	4	10	238	3	100150	1280	410	
3	59420	242	30	272	10	4	10	238	4	98540	1280	410	
4	58997	240	30	270	10	4	10	236	5	96420	1270	410	
5	58758	239	30	269	10	4	10	236	6	94325	1270	410	
6	58639	237	30	267	9	4	10	234	7	92515	1270	410	
7	58520	235	30	265	9	4	10	232	8	90540	1180	410	
8	58281	233	30	263	9	4	10	230	9	88840	1110	410	
9	56969	233	30	263	9	4	10	230	10	87160	1110	410	
10	57208	231	30	261	9	4	10	228	11	85445	990	410	
11	56730	230	30	260	9	4	10	228	12	84175	910	410	
12	56015	239	30	269	10	4	10	235	13	82850	910	410	
13	55418	264	30	294	11	4	10	259	14	81605	610	410	
14	54822	262	30	292	11	4	10	258	15	81015	650	410	
15	54120	267	25	292	11	4	10	262	16	80255	670	410	
16	53535	267	25	292	11	4	10	262	17	79500	670	410	
17	52949	267	25	292	10	4	10	263	18	78690	670	410	
18	52481	269	25	294	10	4	10	265	19	77885	720	410	
19	51779	267	25	292	10	4	10	263	20	76975	770	410	
20	51194	267	25	292	10	4	10	263	21	75910	730	410	
21	50609	269	25	294	10	4	10	265	22	74910	630	410	
22	50023	267	25	292	10	4	10	263	23	74520	630	410	
23	49555	265	25	290	10	4	10	261	24	73590	630	410	
24	48912	263	25	288	10	4	10	259	25	72450	610	410	
25	48397	262	25	287	10	3	10	259	26	71450	555	410	
26	48282	260	25	285	10	0	10	260	27	71860	555	410	
27	47709	258	25	283	10		10	258	28	71115	555	410	
28	47250	256	25	281	10		10	256	29	70480	555	410	
29	46792	267	20	287	10		10	267	30	70220	555	410	
30	46333	264	20	284	10		10	264	31	70220	555	410	
31	45302	261	20	281	10		10	261	Sept 1	69130	558	407	
Sept 1	44728	257	20	277	10		10	257	2	68565	560	405	
2	44270	254	20	274	10		10	254	3	68105	555	405	
3	43811	63	20	83	3		10	70	4	67695	549	405	
4	43582	55	20	75	2		10	63	5	66740	544	405	
5	43410	48	20	68	2		10	56	6	65800	549	405	
6	43467	40	20	60	2		10	48	7	64915	544	405	
7	43353	40	20	60	2		10	48	8	64140	539	405	
8	43238	41	20	61	2		10	44	9	62950	534	405	
9	43238	41	20	61	2		10	49	10	62055	534	405	
10	43126	42	20	62	2		10	50	11	61175	539	405	
11	43014	42	20	62	2		10	50	12	60170	-86	761	
12	42902								13	60535			
13	43014								14	60590			
14	43126								15	60535			
15	43126								16	60590			
16	43238								17	60445			
17	43353								18	60265			
18	43353								19	60170			
19	43238								20	60125			
20	43126								21	60170			
21	43182								22	60215			
22	43238								23	60310			
23	43238								24	60355			
24	43582								25	60310			
25	43582								26	60215			
26	43582								27	60310			
27	43697								28	60445			
Total		6835			273	170	684	7076				43518	

# HENRYS FORK - DAILY SEGREGATION OF FLOW 1942

24 HOUR SECOND- FEET EXCEPT AS NOTED

FORK FTON	GRASSY LAKE STORAGE RELEASE	STORAGE DIVERSIONS ASHTON TO ST. ANTHONY	HENRYS FORK AT ST. ANTHONY			STORAGE DIVERSIONS ST. ANTHONY TO REXBURG	DATE	STORAGE AT HENRYS FK. NEAR REXBURG
			STOR	NORM	TOTAL			
2490			-29	3109	3080		May 30 -29	
2470			-29	3159	3130		31 -29	
2420			-103	3043	2940		June 1 -103	
2300			-102	2682	2580		2 -102	
2180			-103	2373	2270		3 -103	
2120			-102	2372	2270		4 -102	
2120			-103	2503	2400		5 -103	
2080			-29	2409	2380		6 -29	
2120			-29	2544	2520		7 -29	
2100			-29	2569	2540		8 -29	
2180			-29	2919	2890		9 -29	
2180			-29	3329	3300		10 -29	
2200			-29	3909	3880		11 -29	
2120			-29	3259	3230		12 -29	
2000			-164	2684	2520		13 -164	
1900			-164	2544	2380		14 -164	
1860			-164	2414	2250		15 -164	
1830			-164	2354	2190		16 -164	
1940			-164	3124	2960		17 -164	
1860			-164	2774	2610		18 -164	
1730			-164	2284	2120		19 -164	
1730			-164	2264	2100		20 -164	
1630			-164	2104	1940		21 -164	
1600			-164	1864	1700		22 -164	
1520			-164	1684	1520		23 -164	
520			-164	1624	1460		24 -164	
520			-134	1744	1610		25 -134	
440			-135	2035	1900		26 -135	
520			-134	2304	2170		27 -134	
520			-135	2075	1940		28 -135	
450			-134	1654	1520		29 -134	
550			-135	1645	1510		30 -135	
470			-133	1513	1380		July 1 -133	
390			-134	1354	1220		2 -134	
380			-133	1373	1240		3 -133	
380			-134	1384	1250		4 -134	
330			-133	1283	1150		5 -133	
330			-134	1284	1150		6 -134	
30			-78	1358	1280		7 -78	
30			-78	1288	1210		8 -78	
20			-78	1208	1130		9 -78	
80			-78	1072	994		10 -78	
60			-78	894	816		11 -78	
60			-78	808	730		12 -78	
0	146	-77	770	693			13 -77	
0	252	-56	768	712			14 -56	
0	509	-88	1007	919	73		15 -161	
0	482	103	859	962	72		16 31	
0	500	75	955	1030	73		17 2	
0	522	63	909	972	88		18 -25	
0	523	72	890	962	165		19 -93	
0	524	71	826	897	302		20 -231	
0	530	65	832	897	279		21 -214	
0	541	49	807	856	293		22 -244	
0	539	56	750	806	309		23 -253	
49	616	125	794	919	328		24 -203	
49	653	196	914	1110	367		25 -171	
49	897	93	947	1040	485		26 -392	
49	915	79	991	1070	499		27 -420	
49	942	107	1173	1280	415		28 -308	
49	955	196	1084	1280	484		29 -288	
49	983	168	1132	1300	342		30 -174	
49	988	211	1209	1420	364		31 -153	

DATE	HENRYS LAKE CONTENTS AC.-FT.	HENRYS FORK NEAR LAKE			STORED LOSS LAKE TO ISL. PARK	STORAGE DIVERSIONS ABOVE ISL. PARK	F.M. DIST. SHERIDAN CREEK RIGHT	STORAGE INFLOW TO ISL. PARK RESERVOIR	DATE	ISL. PARK RESERVOIR CONTENTS AC.-FT.	HENRYS FORK NR. ISL. PARK		
		STOR	NORM	TOTAL							STOR	NORM	TOTAL
July 29	63095	237	35	272	9								
30	62973	237	35	272	9								
31	62244	237	35	272	9								
Aug 1	61515	240	30	270	10								
2	61151	242	30	272	10								
3	59420	242	30	272	10								
4	58997	240	30	270	10								
5	58758	239	30	269	10								
6	58639	237	30	267	10								
7	58520	235	30	265	9								
8	58281	233	30	263	9								
9	56969	233	30	263	9								
10	57208	231	30	261	9								
11	56730	230	30	260	9								
12	56015	239	30	269	10								
13	55418	264	30	294	11								
14	54822	262	30	292	10								
15	54120	267	25	292	11								
16	53535	267	25	292	11								
17	52949	267	25	292	10								
18	52481	269	25	294	10								
19	51779	267	25	292	10								
20	51194	267	25	292	10								
21	50609	269	25	294	10								
22	50023	267	25	292	10								
23	49555	265	25	290	10								
24	48912	263	25	288	10								
25	48397	262	25	287	10								
26	48282	260	25	285	10								
27	47709	258	25	283	10								
28	47250	256	25	281	10								
29	46792	267	20	287	10								
30	46333	264	20	284	10								
31	45302	261	20	281	10								
Sept 1	44728	257	20	277	10								
2	44270	254	20	274	10								
3	43811	63	20	83	3								
4	43582	55	20	75	2								
5	43410	48	20	68	2								
6	43467	40	20	60	2								
7	43353	40	20	60	2								
8	43238	41	20	61	2								
9	43238	41	20	61	2								
10	43126	42	20	62	2								
11	43014	42	20	62	2								
12	42902												
13	43014												
14	43126												
15	43126												
16	43238												
17	43353												
18	43353												
19	43238												
20	43126												
21	43182												
22	43238												
23	43238												
24	43582												
25	43582												
26	43582												
27	43697												
Total		6835			273		170	684	7076			43518	

River storage diversions

# REGULATION OF FLOW 1942

HENRYS LAKE CONTENTS - FT.	HENRYS FORK NEAR LAKE			STORED LOSS LAKE TO ISL. PARK	STORAGE DIVERSIONS ABOVE ISL. PARK	F.M. DIST. SHERIDAN CREEK RIGHT	STORAGE INFLOW TO ISL. PARK RESERVOIR	DATE	ISL. PARK RESERVOIR CONTENTS AC.-FT.	HENRYS FORK NR. ISL. PARK			STORED LOSS ISL. PARK TO ASHTON	DATE	HENRYS FORK NEAR ASHTON			GRASSY LAKE STORAGE RELEASE	STORAGE DIVERSIONS ASHTON TO ST. ANTHONY	HENRYS FORK AT ST. ANTHONY			STORAGE DIVERSIONS ST. ANTHONY TO REXBURG	DATE	
	STOR.	NORM.	TOTAL							STOR.	NORM.	TOTAL			STOR.	NORM.	TOTAL			STOR.	NORM.	TOTAL			
095	237	35	272	9		12	236	July 30	108235	1280	410	1640	32	July 31	1248	1242	2490	49	(a)	(b)					
973	237	35	272	9		10	234	31	106335	1280	410	1690	32	Aug 1	1248	1192	2440	52	951	346	1134	1480	367	Aug	
244	237	35	272	9		10	234	Aug 1	104315	1280	410	1690	32	2	1248	1222	2470	49	1002	298	1132	1430	367		
515	240	30	270	10		10	236	2	102255	1280	410	1690	32	3	1248	1172	2420	49	984	313	1107	1420	368		
151	242	30	272	10		10	238	3	100150	1280	410	1690	32	4	1248	1172	2420	49	985	312	1088	1400	367		
420	242	30	272	10		10	238	4	98340	1280	410	1690	32	5	1248	1172	2420	49	1010	287	1093	1380	367		
97	240	30	270	10		10	236	5	96420	1270	410	1680	32	6	1238	1172	2380	62	986	351	1067	1400	301		
39	237	30	267	9		10	235	6	94325	1270	410	1680	32	7	1238	1182	2420	87	955	345	1025	1370	317		
20	235	30	265	9		10	234	7	92515	1270	410	1680	32	8	1238	1182	2420	87	946	379	1001	1380	321		
81	233	30	263	9		10	232	8	90540	1180	410	1590	30	9	1150	1070	2220	87	914	411	1019	1430	322		
69	233	30	263	9		10	230	9	88840	1110	410	1520	28	10	1082	1070	2220	87	871	366	924	1430	322		
08	231	30	261	9		10	230	10	87160	1110	410	1520	28	11	1082	1158	2240	87	865	304	986	1290	289		
80	230	30	260	9		10	228	11	85445	990	410	1400	25	12	965	1158	2240	87	868	301	944	1250	287		
5	239	30	269	10		10	227	12	84175	910	410	1320	23	13	887	1095	2060	87	831	221	909	1130	279		
8	264	30	294	11		10	235	13	82850	910	410	1320	23	14	887	1043	1980	87	809	165	915	1080	297		
2	262	30	292	10		10	259	14	81605	610	410	1020	15	15	595	1005	1600	76	790	184	936	1120	285		
0	267	25	292	11		10	258	15	81015	650	410	1060	16	16	634	1116	1750	49	756	-85	931	846	283		
5	267	25	292	11		10	262	16	80255	670	410	1080	17	17	653	1077	1730	49	756	-73	970	897	277		
9	267	25	292	10		10	262	17	79500	670	410	1080	17	18	653	1077	1730	49	749	-47	934	887	309		
01	269	25	294	10		10	263	18	78690	670	410	1080	17	19	653	1067	1720	49	727	-25	891	866	308		
4	267	25	292	10		10	265	19	77885	720	410	1130	18	20	702	1138	1840	49	727	-25	922	897	302		
9	267	25	292	10		10	263	20	76975	770	410	1180	19	21	751	1109	1860	49	732	19	932	951	305		
3	269	25	294	10		10	263	21	75910	730	410	1140	18	22	712	1038	1750	49	709	91	892	985	305		
5	267	25	292	10		10	265	22	74910	630	410	1070	16	23	614	1066	1680	49	706	55	885	940	277		
8	265	25	290	10		10	263	23	74520	630	410	1040	16	24	614	1066	1680	49	676	-13	869	856	264		
2	263	25	288	10		10	261	24	73590	630	410	1040	16	25	614	1116	1730	49	688	-25	912	887	267		
7	262	25	287	10		10	259	25	72450	610	410	1020	15	26	614	1116	1730	49	689	-26	923	897	232		
4	260	25	285	10		10	259	26	72450	555	410	965	14	27	595	1135	1730	49	636	8	986	994	241		
0	258	25	283	10		10	260	27	71860	555	410	965	14	28	541	1069	1610	49	557	33	918	951	280		
8	256	25	281	10		10	258	28	71115	555	410	965	14	29	541	1069	1610	49	574	-33	984	951	311		
3	267	20	287	10		10	256	29	70480	555	410	965	14	30	541	1109	1650	49	579	-38	1010	972	312		
8	264	20	284	10		10	267	30	70220	555	410	965	14	31	541	1109	1650	49	556	-15	998	983	253		
2	261	20	281	10		10	264	31	70220	555	410	965	14	Sept 1	541	1119	1660	49	551	-10	1020	1010	246	Sept	
5	257	20	277	10		10	261	Sept 1	69130	558	407	965	14	2	544	1109	1650	49	501	40	1000	1040	260		
1	254	20	274	10		10	257	2	68565	560	405	965	14	3	546	1086	1630	49	463	81	969	1050	224		
	63	20	83	3		10	254	3	68105	555	405	960	14	4	541	1084	1630	49	461	85	965	1050	203		
	55	20	75	2		10	70	4	67595	549	405	954	14	5	541	1084	1630	49	446	95	985	1080	205		
	48	20	68	2		10	63	5	66740	544	405	949	14	6	535	1095	1630	49	428	107	1053	1160	190		
	40	20	60	2		10	56	6	65800	549	405	954	13	7	531	1099	1630	49	418	113	1127	1240	202		
	40	20	60	2		10	48	7	64915	544	405	949	14	8	535	1125	1660	49	413	122	1138	1260	234		
	41	20	61	2		10	48	8	64140	539	405	944	13	9	531	1119	1650	49	409	122	1138	1260	238		
	41	20	61	2		10	44	9	62950	534	405	939	13	10	526	1104	1630	49	482	44	1216	1260	235		
	42	20	62	2		10	49	10	62055	534	405	939	13	11	521	1109	1630	49	556	-35	1315	1280	239		
	42	20	62	2		10	50	11	61175	539	405	944	13	12	521	1109	1630	49	392	129	1171	1300	233		
						10	50	12	60170	-86	761	675	-2	13	526	1144	1720	49	386	140	1350	1490	175		
								13	60535					14	-84	1354	1270	49	331	-415	1895	1480	45		
								14	60540					15											
								15	60535					16											
								16	60590					17											
								17	60445					18											
								18	60265					19											
								19	60170					20											
								20	60125					21											
								21	60170					22											
								22	60215					23											
								23	60310					24											
								24	60355					25											
								25	60310					26							170	-170	1142	972	72
								26	60215					27							331	-331	1293	962	89
								27	60310					28							325	-325	1244	919	89
								28	60445					29							320	-320	1207	887	91
																					315	-315	1202	887	91
6835				273		170	684		7076			43518		1089		42429		2111	44329	211				17579	

STORED LOSS LAKE TO ISL. PARK	STORAGE DIVERSIONS ABOVE ISL. PARK	F.M. DIST. SHERIDAN CREEK RIGHT	STORAGE INFLOW TO ISL. PARK RESERVOIR	DATE	ISL. PARK RESERVOIR CONTENTS AC-FT.	HENRYS FORK NR. ISL. PARK			STORED LOSS ISL. PARK TO ASHTON	DATE	HENRYS FORK NEAR ASHTON			GRASSY LAKE STORAGE RELEASE	STORAGE DIVERSIONS ASHTON TO ST. ANTHONY	HENRYS FORK AT ST. ANTHONY			STORAGE DIVERSIONS ST. ANTHONY TO REXBURG	DATE	STORAGE HENRYS FK NEAR REXBURG	
						STOR	NORM	TOTAL			STOR	NORM	TOTAL			STOR	NORM	TOTAL				
			236	July 30	108235	1280	410	1690	32	July 31	1248	1242	2490	49	951	346	1134	1480	367	Aug 1	-21	
9	T	12	234	31	106335	1280	410	1690	32	Aug 1	1248	1192	2440	52	1002	298	1132	1430	367	2	-69	
9	T	10	234	Aug 1	104315	1280	410	1690	32	2	1248	1222	2470	49	984	313	1107	1420	368	3	-55	
10	T	10	236	2	102255	1280	410	1690	32	3	1248	1172	2420	49	985	312	1088	1400	367	4	-55	
10	T	10	238	3	100150	1280	410	1690	32	4	1248	1172	2420	49	1010	287	1093	1380	296	5	-9	
10	T	10	238	4	98340	1280	410	1690	32	5	1248	1172	2420	49	966	331	1069	1400	301	6	30	
10	T	10	236	5	96420	1270	410	1680	32	6	1238	1142	2380	62	955	345	1025	1370	317	7	28	
10	T	10	235	6	94325	1270	410	1680	32	7	1238	1182	2420	87	946	379	1001	1380	321	8	58	
10	T	10	234	7	92515	1270	410	1680	32	8	1238	1182	2420	87	914	411	1019	1430	322	9	89	
10	T	10	232	8	90540	1180	410	1590	30	9	1150	1070	2220	87	871	366	924	1298	291	10	75	
10	T	10	230	9	88840	1110	410	1520	28	10	1082	1158	2240	87	865	304	986	1290	289	11	15	
10	T	10	230	10	87160	1110	410	1520	28	11	1082	1158	2240	87	868	301	949	1250	287	12	14	
10	T	10	228	11	85445	990	410	1400	25	12	965	1095	2060	87	831	221	909	1130	279	13	-58	
10	T	10	227	12	84175	910	410	1320	23	13	887	1093	1980	87	809	165	915	1080	297	14	-132	
10	T	10	227	13	82850	910	410	1320	23	14	887	1053	1940	87	790	184	936	1120	285	15	-101	
11	T	10	259	14	81605	610	410	1020	15	15	595	1005	1600	76	756	-85	931	846	283	16	-368	
10	T	10	258	15	81015	650	410	1060	16	16	634	1116	1750	49	756	-73	970	897	277	17	-350	
11	T	10	262	16	80255	670	410	1080	17	17	653	1077	1730	49	744	-47	934	887	309	18	-356	
11	T	10	262	17	79500	670	410	1080	17	18	653	1067	1720	49	727	-25	891	866	308	19	-333	
10	T	10	263	18	78690	670	410	1080	17	19	653	1097	1750	49	727	-25	922	897	302	20	-327	
10	T	10	265	19	77885	720	410	1130	18	20	702	1138	1840	49	732	19	932	951	305	21	-286	
10	T	10	263	20	76975	770	410	1180	19	21	751	1109	1860	49	709	91	892	983	305	22	-214	
10	T	10	263	21	75910	730	410	1140	18	22	712	1038	1750	49	706	55	885	940	277	23	-222	
10	T	10	265	22	74910	630	410	1040	16	23	614	1066	1680	49	676	-13	869	856	264	24	-277	
10	T	10	265	23	74520	630	410	1040	16	24	614	1116	1730	49	688	-25	912	887	267	25	-292	
10	T	10	261	24	73590	630	410	1040	16	25	614	1116	1730	49	689	-26	923	897	232	26	-258	
10	T	10	259	25	72450	610	410	1020	15	26	595	1135	1730	49	636	8	986	994	241	27	-233	
10	T	10	259	26	72450	555	410	965	14	27	541	1069	1610	49	557	33	918	951	280	28	-247	
10	T	10	260	27	71860	555	410	965	14	28	541	1069	1610	49	574	-33	984	951	311	29	-344	
10	T	10	258	28	71115	555	410	965	14	29	541	1109	1650	49	574	-38	1010	972	312	30	-350	
10	T	10	256	29	70480	555	410	965	14	30	541	1109	1650	49	556	-15	998	983	253	31	-268	
10	T	10	267	30	70220	555	410	965	14	31	541	1119	1660	49	551	-10	1020	1010	246	Sept 1	-256	
10	T	10	261	31	70220	555	410	965	14	Sept 1	541	1109	1650	49	501	40	1006	1040	260	2	-220	
10	T	10	261	Sept 1	69130	558	407	965	14	2	544	1086	1630	49	463	81	969	1050	224	3	-143	
10	T	10	257	2	68565	560	405	965	14	3	546	1084	1630	49	461	85	965	1050	203	4	-118	
10	T	10	254	3	68105	555	405	960	14	4	541	1084	1630	49	446	45	985	1080	205	5	-110	
3	T	10	70	4	67595	549	405	954	14	5	535	1095	1630	49	428	107	1053	1160	190	6	-83	
2	T	10	63	5	66740	544	405	949	13	6	531	1094	1630	49	418	113	1127	1240	202	7	-89	
2	T	10	56	6	65800	549	405	954	14	7	535	1125	1660	49	413	122	1138	1260	234	8	-112	
2	T	10	48	7	64915	544	405	949	13	8	531	1119	1650	49	409	122	1138	1260	238	9	-116	
2	T	10	48	8	64140	539	405	944	13	9	526	1104	1630	49	482	44	1216	1260	235	10	-191	
2	T	10	44	9	62950	534	405	939	13	10	521	1109	1630	49	556	-35	1315	1280	239	11	-274	
2	T	10	49	10	62055	534	405	939	13	11	521	1109	1630	49	392	129	1171	1300	233	12	-104	
2	T	10	50	11	61175	539	405	944	13	12	526	1144	1720	49	386	140	1350	1490	175	13	-35	
2	T	10	50	12	60170	-86	761	675	-2	13	-84	1354	1270	49	331	-415	1895	1480	45	14	-460	
				13	60535					15										15		
				14	60590					15											16	
				15	60535					16											17	
				16	60590					17											18	
				17	60445					18											19	
				18	60265					19											20	
				19	60170					20											21	
				20	60125					21											22	
				21	60170					22											23	
				22	60215					23											24	
				23	60310					24											25	
				24	60355					25											26	
				25	60310					26					170	-170	1142	972	72	26	-242	
				26	60215					27					331	-331	1293	962	89	27	-420	
				27	60310					28					325	-325	1244	919	89	28	-414	
				28	60445					29					320	-320	1207	887	91	29	-411	
															315	-315	1202	887	41	30	-406	
73	170	684	7076		43518				1089		42429			2111	44329	211			17579		-17368	















# TETON BASIN AND SWAN VALLEY STREAM FLOW

	MAY 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	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	JUN 1	2	
THE STRING CANAL	68																																																			
MOUTH	27			68				68			127			222			168					166			212			280			231			210					197			217				179	169					
L	9			24				22			84			153			68					82			127			176			108			84					97			179			66	69						
AL				9				10			14			16			14					22			32			62			77			79					77			83			68	67						
Y CANAL															20		7																																			
															30		7																																			
															42		26																																			
															18		15																																			
															11		9																																			
															26		23																																			
DIVERSIONS	22									47				112																																						
OVE DIVERSIONS	37									84				287			87				75																															
AL		62			49					89			82		67				49		112				109			138			112																					
W GRAND TETON CAN.		7			5					121			400		336				116		420							530			900																					
CANAL										19									56																																	
T STATE LINE					20			49					172		126									130				322			127			167																		
					15			18					26		26									48				51			37																					
NAL					4.0			4.2					6.7		6.7									17				10			8.0																					
					1.9			2.0					8.2		2.9									6.0				2.9			3.0																					
T FOREST BDRY.					40								187		173									230							187																					
WAY BRIDGE			71							79				208		193																																				
										6.1																																										
ST OF HONEYDALE SCH.																																																				
CREEK																																																				
CREEK																																																				
I PALISADE CANAL																																																				
OVE DIVERSIONS																																																				

24-HOUR SECOND FEET

110  
21  
93











contents in bore-It.  
Daily observations recorded of

JACKSON LAKE at MORAN, WYOMING

for the year ending September 30, 1912  
Plate No. 20

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	227740	266230	296540	336020	363070	386260	405420	464910	627480	853380	681400	429540
2	229780	267070	297180	336880	363950	386920	405870	467200	633980	851580	671650	431440
3	231200	267900	298660	337970	365050	387580	406320	468800	640710	850820	661240	407430
4	232630	270630	302900	338620	366140	388250	407430	471100	650340	850050	651800	399830
5	234060	272090	303750	339270	367900	388910	408550	473620	662210	850050	644800	391570
6	235690	272930	305020	339920	368780	389580	409450	475910	673350	850050	637820	383150
7	237730	273770	306300	340790	370970	390020	410340	477740	686030	849790	629160	374960
8	239160	274610	307590	342310	371860	390680	411240	480030	700440	849790	619820	367460
9	240180	275650	308880	343400	372740	391570	412130	482780	716160	849530	610020	360880
10	241400	276280	309740	344700	373410	392460	413020	486470	730710	849020	601190	353860
11	242630	277120	310810	345560	374290	393120	413920	491550	744550	848510	592170	347080
12	244070	277960	311880	346430	374960	393790	415940	496860	754250	845440	583390	341220
13	245520	279000	312740	347300	375620	394460	418190	500090	763470	839590	574630	340790
14	246760	280260	314030	347950	376290	395360	419320	503550	771940	833740	565910	340570
15	248210	282150	315320	348600	377170	396030	420450	507710	780720	828400	557200	340570
16	249240	283190	316820	349260	377840	396700	421350	511900	791750	822800	547810	340360
17	250270	284240	317890	350360	378500	397150	422480	515150	801320	817230	539150	340360
18	251310	284870	319180	351230	378940	398040	424060	518170	809400	812180	530020	340570
19	252340	285510	321750	351890	379610	398710	426090	620960	816980	806120	520960	340360
20	253790	286360	323040	352550	380270	399380	428340	623750	825090	799040	512130	340570
21	254820	287000	324120	353210	380720	399830	431720	527700	831700	790240	504010	340790
22	256270	288270	325620	353640	381380	400280	436910	532360	836790	780720	496160	340790
23	257100	289120	326480	354300	382270	400950	443040	539620	842900	771440	488780	341220
24	258130	289960	327550	355180	382930	401620	446910	549680	847740	761720	480720	339920
25	259370	290810	328640	356060	383600	402290	450090	559550	853120	751760	472700	335370
26	260400	291660	329510	357370	384260	402740	452600	570390	851580	741340	464680	329290
27	261440	292510	330370	358470	385150	403180	455100	585050	852100	731200	456920	324970
28	262470	293780	331030	359130	385810	403630	457830	597620	851840	721560	448280	321970
29	263710	295050	332330	360220	386220	404080	460550	605960	850820	710760	439630	321540
30	264760	295900	333410	361100	386100	404530	462850	614320	852100	701180	431950	321330
31	265390		335150	361980		404970		621730	691400		424730	

MEAN YEAR OR PERIOD AGR. REF. AGR. REF.

DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY  
 SNAKE RIVER at MORAN, WYOMING

Daily discharge, in second-feet, of

\* For the year ending September 30, 19

Plate No 25

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18	20	20	17	18	19	20	21	20	3620	6020	3160
2	18	20	20	17	18	19	20	21	20	3770	6210	3640
3	18	20	20	17	18	19	20	21	21	3590	6020	4360
4	17	20	20	17	18	19	20	21	21	3380	4890	4810
5	17	19	19	17	18	19	20	21	21	3370	4210	4890
6	17	19	19	17	18	19	21	21	21	3370	4710	4860
7	17	19	18	17	18	19	21	21	27	3230	5800	4590
8	17	19	18	17	18	19	21	21	33	2950	5750	4120
9	17	20	18	17	18	19	21	21	32	2700	5550	3990
10	16	20	17	17	18	19	22	27	27	2510	5100	3910
11	16	20	17	17	18	19	22	20	20	3080	5340	3910
12	16	20	17	17	18	19	22	20	20	4540	5210	2170
13	17	20	17	17	18	19	22	18	18	4950	5150	552
14	17	20	17	17	18	19	22	18	18	4710	5080	458
15	17	20	17	17	18	19	21	18	18	4910	5310	374
16	17	20	17	17	18	19	21	18	18	4760	5450	274
17	18	21	18	17	18	19	21	18	18	4500	5400	242
18	18	21	18	17	18	19	21	18	18	4380	5340	242
19	18	21	18	17	18	19	21	18	18	5020	5370	224
20	18	21	18	17	18	19	21	18	19	5580	5050	206
21	18	21	18	17	18	19	21	18	18	6180	4500	206
22	18	21	17	17	18	19	22	18	18	6480	4500	182
23	18	20	17	17	18	19	22	18	18	6040	4600	708
24	18	20	17	17	18	19	22	18	18	6460	4950	2200
25	18	20	17	17	18	20	22	18	18	6520	4780	3280
26	19	20	17	17	18	20	22	19	19	6500	4750	3110
27	19	20	17	17	18	20	22	20	20	6350	4710	1980
28	19	20	17	17	18	20	22	20	20	6210	4970	1070
29	20	20	17	17	18	20	22	20	20	6310	4830	242
30	20	20	17	17	18	20	22	20	20	6190	4320	224
31	20	20	17	17	18	20	22	20	20	6010	3540	

Year	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110
MEAN	17.8	20.1	17.8	17.0	18.0	19.2	21.3	19.5	814	4781	5087	2139									
AGREEMENT	1090	1190	1090	10.50	1000	1180	1270	1200	48470	294000	312800	127300									

MEAN YEAR OR PERIOD 791610

Snake River near Heist, IDAHO

Daily discharge, in second-feet, of

for the year ending September 30, 1922  
Plate No. 26

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3340	2860	2460	2210	2340	2080	2250	5820	11400	10400	10300	6660
2	3510	2900	2510	2010	2340	2120	2370	5790	11700	12100	10200	6200
3	3450	2960	2720	1900	2320	2120	2610	5630	13200	13100	10100	6870
4	3360	3170	3430	1850	2300	2110	3320	5760	14600	12800	9180	7370
5	3340	3430	3230	1850	2300	2120	3490	5680	15100	13300	8260	7430
6	3400	3230	2880	1900	2260	2120	3540	5760	15400	13600	8400	7400
7	3380	3090	2700	1950	2240	2040	3890	6140	17100	13400	9250	7270
8	3320	2960	2690	1960	2250	2110	4310	6960	18300	12700	9180	6810
9	3260	2860	2580	2010	2240	2120	5230	8030	19100	11800	8980	6600
10	3210	2820	2560	2070	2210	2150	5900	8370	18100	10900	8740	6540
11	3150	2780	2600	2150	2180	2170	7370	8470	15800	10500	8740	6930
12	3130	2760	2650	2190	2120	2170	8710	8030	14200	11700	8540	6660
13	3170	2760	2600	2190	2120	2170	9460	7500	13200	11800	8370	4500
14	3320	2760	2600	2190	2120	2100	9500	7300	12900	11300	8300	3960
15	3230	2760	2600	2190	2020	2020	8370	7460	13800	11800	8400	3670
16	3170	2820	2610	2170	1980	2070	8130	7530	13100	11700	8470	3490
17	3150	2880	2630	2150	1860	2070	8470	7180	11800	11300	8430	3360
18	3110	2980	2610	2140	1790	2070	8540	7120	11900	10800	8370	3320
19	3090	2900	2610	2120	1790	2070	8770	7460	11800	10700	8330	3320
20	3070	2700	2560	2150	1790	2010	9950	7990	11100	10800	8200	3280
21	3070	2620	2560	2150	1840	2010	11200	9280	10400	11000	7590	3260
22	3070	2540	2560	2170	1940	2020	11500	11200	10300	11100	7460	3230
23	3040	2480	2500	2170	2010	2040	10100	14000	11600	10600	7430	3210
24	3000	2430	2460	2170	2050	2080	10100	14000	11600	10900	7860	3760
25	3000	2480	2500	2170	2070	2070	8810	17900	12500	11000	7820	5410
26	3070	2460	2500	2210	2080	2070	7960	16300	15400	11000	7790	5820
27	3020	2430	2260	2220	2080	2030	7270	18400	15300	11000	7500	4900
28	3040	2380	2250	2340	2080	2040	6780	17700	13700	10800	7500	4500
29	3020	2400	2380	2380	2080	2040	6400	15200	12900	10700	7690	4500
30	2980	2400	2510	2370	2060	2060	6090	13500	11000	10800	7720	3600
31	2920	2460	2510	2340	2100	2100	2170	12300	10600	10600	7240	

Year	Mean								
1922	3174	1921	2767	1920	2607	1919	2131	1918	116,600
1917	3174	1916	2767	1915	2607	1914	2131	1913	131,000
1912	3174	1911	2767	1910	2607	1909	2131	1908	116,600
1903	3174	1902	2767	1901	2607	1900	2131	1899	128,300
1894	3174	1893	2767	1892	2607	1891	2131	1890	101,600
1885	3174	1884	2767	1883	2607	1882	2131	1881	572,200
1876	3174	1875	2767	1874	2607	1873	2131	1872	808,900
1867	3174	1866	2767	1865	2607	1864	2131	1863	710,100
1858	3174	1857	2767	1856	2607	1855	2131	1854	521,500
1849	3174	1848	2767	1847	2607	1846	2131	1845	308,200
1840	3174	1839	2767	1838	2607	1837	2131	1836	8482
1831	3174	1830	2767	1829	2607	1828	2131	1827	5179

MEAN YEAR OR PERIOD  
4,218,500

U. S. GOVERNMENT PRINTING OFFICE

Snake River Near Shelley, Idaho

Daily discharge, in second-feet, of

for the year ending September 30, 1927  
 Plate No. 27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2180	2650	2650	1900	2520	2610	2610	7130	10300	6830	3780	2760
2	2150	2650	2630	1650	2550	2810	2810	6860	8840	5760	3750	2190
3	2210	2680	2810	1760	2600	2350	2940	6700	7700	6930	3680	2050
4	2320	2740	3050	1700	2600	2400	3090	6630	7260	7730	3570	2060
5	2370	3030	3830	1700	2600	2400	3350	6600	7970	7770	3720	2560
6	2560	3730	3780	1500	2600	2360	3920	6470	9290	7460	2920	2960
7	2720	3640	3370	1600	2600	2340	4000	6270	9860	7670	2440	3050
8	2760	3440	3400	1900	2600	2320	3970	6210	10300	7900	2470	3110
9	2790	3190	3170	2200	2580	2300	4200	6370	11800	7600	3170	2900
10	2770	3090	3210	2450	2560	2500	4550	7360	13300	6700	3400	2790
11	2700	3030	3150	2550	2500	2700	5350	8590	14500	5630	3190	2650
12	2630	2940	3210	2700	2400	2800	6270	9290	13900	4660	3250	3210
13	2610	2940	3330	2650	2400	2700	8040	9700	11700	4250	3210	4690
14	2580	2920	3230	2610	2300	2700	9120	8900	9680	5060	3230	4780
15	2560	2860	3130	2550	2100	2700	10200	8240	8350	5000	3070	3290
16	2540	2830	3150	2400	1900	2600	10300	8040	8210	4640	3110	2630
17	2510	2830	3110	2250	1700	2600	9260	8280	9220	4840	3150	2290
18	2460	2700	3130	2050	1500	2590	8980	8350	8660	4720	3000	2150
19	2390	2670	3110	2220	1500	2610	9320	7800	7230	4410	2900	2000
20	2400	2510	3090	2350	1500	2510	9650	7260	6860	3920	2770	1940
21	2350	2470	3030	2270	1700	2390	9970	7230	6730	3710	2740	1920
22	2310	2200	3030	2200	1900	2370	11300	7330	5950	3680	2680	2000
23	2310	2060	3010	2100	2200	2460	12900	8240	4720	3800	2460	1600
24	2290	2000	2900	2050	2300	2540	13400	10000	4040	3900	2390	1490
25	2210	1940	2540	2250	2250	2590	12200	12300	4900	3620	2350	1460
26	2180	2100	2160	2400	2200	2560	10900	12800	6630	3800	2670	1480
27	2270	2270	1760	2600	2200	2510	9900	13600	10700	3950	2860	2590
28	2290	2490	1760	2600	2200	2440	9180	15600	11200	3830	2850	3270
29	2470	2540	1900	2600	2120	2420	8560	15300	10200	3730	2720	2700
30	2560	2470	2050	2600	2160	2420	7900	13400	9120	3680	2860	2860
31	2590	2590	2180	2560	2560	2560	11800	11800	9120	3750	2850	2310

Year	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916
Mean	2573	2726	2899	2194	2234	2190	7605	8979	8971	5191	2997	2573
Agree-	150800	162200	178200	134900	124100	153100	452500	552100	533800	319200	184300	153100

YEAR 1928  
 MEAN 4280  
 AGREE- 3,098,300

BLACKFOOT RIVER near BLACKFOOT, IDAHO

Daily discharge, in second-feet, of

for the year ending September 30, 19

Plate No. 28

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	70	205	214	102	102	100	205	209	68	2	2	3
2	100	214	270	102	102	100	295	218	71	2	2	3
3	103	270	270	102	102	100	350	233	74	4	4	3
4	129	293	270	102	102	100	350	233	74	4	4	3
5	147	336	336	102	102	100	312	312	5	4	4	3
6	261	346	160	102	102	100	309	309	4	4	4	3
7	301	331	164	102	102	100	309	309	3	5	5	3
8	293	295	167	102	102	100	304	304	2	5	5	3
9	294	235	170	102	102	100	345	345	1	6	6	3
10	300	300	177	102	102	95	275	372	1	5	3	2
11	305	222	183	102	85	95	282	265	3	4	4	2
12	288	227	185	102	85	95	319	233	39	5	14	3
13	265	235	196	102	85	95	366	264	35	5	36	3
14	244	239	220	102	85	95	391	323	34	4	24	3
15	230	250	270	102	85	95	481	326	22	4	14	3
16	197	257	290	100	85	95	476	371	14	4	22	3
17	189	270	297	100	75	95	473	392	22	17	44	3
18	193	270	304	100	75	95	407	380	23	5	96	3
19	187	270	307	100	75	95	401	374	33	6	154	3
20	189	270	300	75	75	95	376	376	35	5	146	3
21	190	270	280	75	75	95	315	49	49	5	180	3
22	190	270	260	75	75	100	247	51	51	3	103	3
23	194	168	220	80	75	100	207	30	30	3	70	3
24	193	133	160	90	75	114	363	17	17	2	53	2
25	189	121	140	100	65	128	168	10	10	6	28	2
26	184	*121	120	100	65	127	276	125	17	3	26	4
27	185	121	102	100	65	127	269	106	45	5	23	5
28	189	123	102	100	65	127	243	90	186	3	17	3
29	200	155	102	100	65	127	205	80	213	3	14	3
30	207	220	102	100	65	126	216	76	194	2	10	2
31	201	220	102	100	65	150	216	89	194	2	10	2

\* Result of Current Meter Meast.

Year	Mean	Aggr.	Feet
207	231	204	12,530
207	97.6	84.1	4,670
207	99.9	6.140	6,140
207	337	20,070	20,070
207	250	15,380	15,380
207	43.7	2,600	2,600
207	12.6	778	778
207	6.2	383	383
207	36.5	2170	2170

Year 134  
 OR  
 Period  
 Mean 134  
 Aggr-Feet 97,141

D-713

SNAKE RIVER AT CLOUGH RANCH NEAR BLAFCRFOOT

Daily discharge, in second-feet, of

for the year ending September 30, 1929

Plate No. 29

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1170	2260	2900	1880	2320	2050	2580	6910	8710	4820	617	380
2	1180	2370	2900	1670	2290	2110	2870	6090	5080	2500	718	320
3	1260	2370	3190	902	2300	2160	3070	6070	5080	3760	591	285
4	1390	2480	3190	876	2330	2230	3260	5970	4000	4090	558	290
5	1490	2620	3600	838	2290	2220	3760	5830	5170	3760	400	455
6	1740	3270	3920	932	2400	2190	3960	5480	6090	3730	668	455
7	2180	3460	3620	1110	2370	2160	3870	5080	6720	3850	766	400
8	2370	3320	3030	1210	2370	2120	3960	5020	7010	3870	1030	438
9	2390	2960	3010	1560	2320	2160	4270	5370	8790	3270	1160	325
10	2700	2870	3320	2010	2300	2300	4580	6720	9960	2390	966	285
11	2370	2730	3320	2010	2180	2520	5380	7170	10700	1760	790	290
12	2330	2850	3360	2220	2160	2670	6660	7590	8880	876	878	1730
13	2290	2780	3370	2370	2180	2780	8010	7570	6870	772	577	3360
14	2200	2800	3390	2230	2130	2500	9190	7080	5320	1320	567	2610
15	2160	2790	3320	1920	2550	2550	9930	6620	4570	1200	570	1530
16	2060	2800	3260	2150	1920	2520	9570	6690	5100	1020	633	1190
17	1990	2900	3370	2050	1660	2520	9570	6690	5370	1100	661	1210
18	1920	2900	3320	1810	1710	2770	8680	7030	4320	902	488	1230
19	1890	2850	3270	1670	1120	2760	8820	6620	4320	682	406	1130
20	1850	2850	3310	1850	1170	2760	9280	5970	3710	682	305	1100
21	1870	2700	3220	1990	1170	2720	9510	5320	3320	395	280	1050
22	1790	2600	3190	1970	1350	2700	10300	4870	3010	375	400	857
23	1770	2260	3170	1790	1610	2550	11700	4820	1860	255	411	433
24	1710	2610	3110	1750	1950	2670	12700	6160	998	422	390	270
25	1670	2520	2930	1690	2110	2620	12500	8070	710	619	416	238
26	1610	2780	2610	1850	2050	2580	11200	9220	1980	570	350	577
27	1650	2680	2180	2160	2010	2500	10200	9600	4800	668	365	1050
28	1710	2700	1750	2260	2070	2370	9370	11100	8220	682	365	1300
29	1730	2770	2300	2270	---	2390	8520	12300	7570	677	305	897
30	2080	2820	2070	2270	---	2390	11200	12300	6600	726	305	1300
31	1990	2820	2300	2290	---	2730	7790	12200	9780	587	416	897

Year	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886
Mean	1874	2772	3033	1783	1985	2382	7261	7061	5788	1745	571	866	866
Area	115,200	163,100	186,500	109,600	110,200	176,500	432,000	437,200	326,600	107,300	35,120	51,530	51,530

MEAN 3064  
 OR  
 YEAR 2,217,850

U.S. GEOLOGICAL SURVEY

AMERICAN FALLS RESERVOIR at AMERICAN FALLS, IDAHO

Contents in acre-feet, of

for the year ending September 30, 1912. Plate No. 30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	327630	571340	882930	1173430	1222660	1359450	1549050	1705600	1712900	1612350	1157050	650110
2	336650	581340	889200	1178610	1227930	1364490	1557040	1706720	1716890	1605290	1140450	634920
3	340450	592470	895080	1183320	1234650	1368020	1564530	1710080	1716320	1594960	1122940	620100
4	347020	602790	904190	1190380	1240880	1373570	1572140	1708960	1712900	1584640	1106090	606230
5	355820	613100	919150	1194620	1242800	1377600	1581380	1711760	1708960	1575940	1085350	591850
6	364360	624610	929670	1194150	1246160	1382140	1590620	1712330	1704480	1572140	1070470	576190
7	373350	637500	946810	1188500	1249520	1387690	1599850	1712330	1697200	1555440	1054620	561350
8	379600	649450	954320	1180970	1256710	1391720	1610180	1711200	1692710	1543730	1038780	545890
9	386360	661070	963500	1179080	1264500	1396260	1620560	1715180	1690470	1532550	1022160	530340
10	391130	671690	971010	1178140	1271320	1400800	1629410	1705040	1688230	1521900	1007990	516810
11	396510	683020	978110	1179550	1277160	1405850	1638810	1710080	1689910	1505450	992970	503710
12	403950	693950	986960	1183320	1283010	1412020	1649310	1715180	1694960	1492890	975180	493270
13	410100	704200	995980	1183790	1288360	1420250	1660370	1715180	1699440	1477180	961410	485250
14	413690	714100	1007140	1184260	1290800	1425390	1669760	1719170	1698880	1458330	945560	476950
15	417050	725290	1017870	1184730	1294210	1433110	1687670	1714610	1693270	1442360	929670	470870
16	423620	736880	1025590	1186150	1305410	1440310	1701120	1714040	1688230	1424880	913490	465170
17	432290	747060	1036570	1186150	1312340	1446480	1702240	1711760	1683750	1408940	899010	459520
18	442550	757760	1047140	1188500	1315800	1451620	1705600	1715750	1674220	1378110	884100	456010
19	452240	768580	1058580	1192740	1319270	1457280	1705040	1715750	1674220	1361970	848800	444970
20	461130	777960	1069590	1193210	1322240	1465140	1703920	1714040	1669760	1346000	830890	439650
21	470040	788220	1078590	1194150	1326200	1472470	1705040	1712330	1663680	1328180	816250	434400
22	479440	798090	1091660	1195090	1330160	1478750	1703360	1708960	1657600	1310360	799200	429930
23	488850	806980	1101580	1196510	1336100	1485030	1712900	1700560	1648200	1310360	799200	429930
24	498010	815880	1108800	1196980	1340060	1492360	1705600	1701120	1638250	1292750	779760	425200
25	506840	824790	1119250	1199800	1344020	1500740	1689350	1701680	1626090	1275700	763890	420470
26	515380	834700	1130310	1204040	1348470	1508070	1693270	1703920	1613440	1257200	747060	416530
27	524780	843850	1136770	1205920	1351440	1514980	1698880	1705040	1605290	1239920	728100	413180
28	533270	853370	1146450	1209710	1355410	1522430	1713470	1717460	1604750	1222660	713080	410360
29	543540	863710	1153820	1214030	1359350	1529350	1713470	1715750	1610180	1204040	696000	410360
30	552340	873510	1160280	1216900	1359740	1535740	1707280	1715750	1612350	1188030	681650	410360
31	562260											

Year  
or  
Period  
Mean  
Agre-Part

6-113

Snake River at Neeley, Idaho

Daily discharge, in second-feet, of

for the year ending September 30, 1910

Plate No. 31

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	758	51	2290	1760	1940	2230	1620	9020	10200	9740	11700	10600
2	774	52	2370	2260	2570	2200	1620	9060	10500	11800	10400	10400
3	756	51	1200	234	1290	2390	1620	9100	10900	11100	10700	10300
4	96	51	1330	605	3830	2390	1620	9100	9060	11100	10700	10400
5	60	51	1420	3220	4350	1620	9150	9150	9400	11300	10600	10600
6	480	51	95	4780	4130	1620	9190	9190	9950	11600	10600	10600
7	1270	51	81	7520	1940	2160	9190	10600	10600	11500	10600	10600
8	2060	51	1380	7070	496	1620	8980	10800	10800	11400	10600	10600
9	2990	51	1260	4920	2030	1600	8980	10400	10400	11400	10400	10400
10	2730	51	1290	4880	2000	2500	8980	10300	10300	11700	10000	10000
11	2230	51	1270	1740	1990	2180	8940	10300	12000	11400	9440	9440
12	124	51	2110	4910	2020	2500	8650	10300	11900	11600	9150	9150
13	3510	51	120	4990	2050	2570	12100	10400	12000	11500	8360	8360
14	4390	50	68	4990	2050	2570	12100	10400	11900	11300	7840	7840
15	2460	52	1370	5010	2060	2590	11000	10300	11800	11200	7280	7280
16	52	50	50	5010	2050	2660	10900	11000	11800	11000	7080	7080
17	52	52	1430	4440	2050	2600	10600	10900	11700	11200	7040	7040
18	52	52	1360	1300	2060	2600	8940	9520	11600	11700	6960	6960
19	52	52	1370	4130	2050	1150	9780	9440	11400	11700	6480	6480
20	52	52	514	4140	2050	1140	10900	9360	11300	11800	6280	6280
21	51	51	524	4160	2070	1740	10500	9230	11300	11900	6280	6280
22	50	50	532	4080	612	1740	9860	9230	11500	11800	6280	6280
23	50	50	598	4160	2460	1650	9650	9150	11700	11800	6010	6010
24	51	51	423	4120	2140	1600	9190	9480	12000	11700	5820	5820
25	51	51	430	1850	2460	1610	9360	9780	12000	11500	5560	5560
26	51	51	415	4140	2800	1620	9150	9740	12000	11400	5050	5050
27	51	51	433	3960	2860	1650	9230	9060	11800	11200	4360	4360
28	51	51	652	3620	2890	1600	12000	9060	11600	11200	3650	3650
29	52	52	68	4130	1610	1610	15700	8850	11500	11200	3440	3440
30	51	51	60	4180	1610	1610	15700	8940	11500	11200	3440	3440
31	51	51	1760	4160	1640	1640	17000	8940	11600	10900	3440	3440

Year or Period	Mean	Area	Per cent
1901	3901	1152	70820
1902	2217	1152	70820
1903	2052	1152	70820
1904	7392	10230	629000
1905	10230	9696	577000
1906	11650	116100	716100
1907	11490	706300	463900
1908	7796	11490	706300

Year or Period  
 Mean  
 Area  
 Per cent

U.S. GOVERNMENT PRINTING OFFICE  
 1910



Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	421	425					0	822	1290	1340	1660	1210
2	425	444					0	875	1290	1610	1630	1210
3	444	444					0	937	1290	1610	1630	1210
4	471	461					0	978	1330	1610	1630	1210
5	461	441					0	978	1450	1610	1610	1210
6	441	441					0	981	1550	1610	1610	1210
7	441	439					0	1040	1600	1710	1520	1210
8	439	444					0	1160	1610	1720	1510	1210
9	444	461					0	1230	1610	1720	1500	1110
10	461	540					0	1240	1610	1720	1500	1040
11	540	556					0	1060	1610	1720	1500	1000
12	556	578					0	837	1620	1720	1500	941
13	578	664					0	835	1620	1720	1500	868
14	664	710					0	835	1620	1720	1500	764
15	710	704					0	835	1620	1720	1500	718
16	704	640					0	835	1620	1720	1500	718
17	640	578					0	835	1610	1670	1580	718
18	578	512					85	835	1610	1670	1580	720
19	512	473					139	835	1620	1680	1610	720
20	473	266					235	835	1610	1680	1610	720
21	266	0					401	956	1610	1670	1610	720
22	0	0					432	1130	1590	1670	1610	720
23	0	0					435	1240	1540	1670	1620	722
24	0	0					434	1290	1530	1670	1620	722
25	0	0					498	1290	1530	1680	1560	724
26	0	0					540	1290	1410	1680	1500	724
27	0	0					582	1290	1290	1680	1440	722
28	0	0					632	1290	1260	1680	1360	746
29	0	0					650	1290	1250	1680	1330	799
30	0	0					718	1300	1250	1680	1330	822
31	0	0						1300	1250	1680	1260	

MEAN	344	0	0	0	0	0	193	1049	1491	1664	1530	921
AGRE-	21,160	0	0	0	0	0	0	64,500	88,720	102,300	94,060	54,800
PERCENT												

Year  
 ON  
 PERIOD  
 MEAN  
 604  
 AGRE-FEET  
 437,010



Daily discharge, in second-feet, of

SOUTH SIDE MINIDOKA CANAL near MINIDOKA, IDAHO

for the year ending September 30, 19

Plate No. 34

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	293	290	290	0	0	0	0	319	741	1030	1280	1130
2	290	319	290	0	0	0	0	320	886	1210	1280	1140
3	319	361	319	0	0	0	0	319	1030	1290	1230	1160
4	353	361	353	0	0	0	0	280	1160	1280	1240	1150
5	320	353	320	0	0	0	0	253	1220	1260	1240	1150
6	306	320	306	0	0	0	0	342	1220	1310	1240	1140
7	283	306	283	0	0	0	0	405	1260	1310	1260	1150
8	328	283	328	0	0	0	0	407	1340	1310	1270	1140
9	387	328	387	0	0	0	0	480	1320	1310	1250	1020
10	409	387	409	0	0	0	0	574	1320	1310	1240	964
11	399	409	399	0	0	0	0	419	1320	1300	1240	863
12	340	399	340	0	0	0	0	273	1280	1300	1240	755
13	403	340	403	0	0	0	0	239	1260	1300	1240	771
14	474	403	474	0	0	0	0	281	1270	1300	1240	755
15	240	474	240	0	0	0	0	117	1240	1300	1240	720
16	0	240	0	0	0	0	0	0	1240	1290	1260	699
17	0	0	0	0	0	0	0	0	1200	1290	1260	610
18	0	0	0	0	0	0	0	0	1160	1290	1270	564
19	0	0	0	0	0	0	0	0	1140	1290	1250	535
20	0	0	0	0	0	0	0	130	1090	1280	1240	498
21	0	0	0	0	0	0	0	315	1070	1290	1260	450
22	0	0	0	0	0	0	0	326	1060	1290	1260	414
23	0	0	0	0	0	0	0	430	1060	1290	1230	463
24	0	0	0	0	0	0	0	445	1060	1290	1230	508
25	0	0	0	0	0	0	179	492	1100	1300	1240	478
26	0	0	0	0	0	0	315	517	1080	1290	1230	430
27	0	0	0	0	0	0	310	598	916	1270	1210	426
28	0	0	0	0	0	0	306	694	782	1280	1180	492
29	0	0	0	0	0	0	313	738	707	1290	1180	540
30	0	0	0	0	0	0	315	741	787	1290	1180	540
31	0	0	0	0	0	0	0	744	1280	1280	1150	540

MEAN	178	0	0	0	0	0	0	57.9	371	1113	1282	774
AGGR-	10,920	0	0	0	0	0	0	3450	22,780	66,250	78,800	46,050
PER-												

YEAR OR PERIOD  
MEAN  
AGGR-PERT  
720  
304,400

U. S. GOVERNMENT PRINTING OFFICE  
9-1119

Daily discharge, in second-feet, of SNAKE RIVER near MINIDOKA, IDAHO for the year ending September 30, 1912. Plate No. 35

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1540	2070	1480	1260	1240	2740	1670	7390	9150	7170	8670	7960
2	1050	2100	1600	1320	708	2360	1620	7550	6400	7610	8690	7740
3	754	2100	1870	1510	500	2340	1390	8230	6370	7880	8720	7800
4	768	2140	1790	1510	2580	2360	1280	8550	6690	7980	8750	7850
5	775	2300	1490	2160	4080	2390	1230	8390	6900	8040	8830	7900
6	768	2520	1370	3030	3970	2440	1260	7740	7230	8170	8690	7960
7	1160	2520	1360	2670	2620	2440	1240	7500	7520	8390	8550	7960
8	1490	2500	1340	1680	1530	2460	1370	7150	7770	8720	8440	7880
9	1470	2460	1330	1210	1380	1870	1670	7090	7360	8670	8360	7930
10	1400	2410	1340	1180	1540	1110	1860	7150	7200	8610	8310	7740
11	1380	2380	1350	1250	1690	1130	1980	7090	7170	8720	8340	7440
12	1390	2330	1360	1250	1810	1130	2000	7040	7200	8530	8440	7170
13	1420	2280	1380	1230	1870	1150	2100	7360	7260	8530	8310	7070
14	1390	2240	1380	1230	1940	1120	2340	9940	7230	8640	8200	6720
15	1380	2180	1330	1400	1850	1140	10900	10900	7340	8690	8120	6480
16	1470	2100	1260	1350	1560	1130	10200	10200	7500	8690	8150	6140
17	1690	1840	1210	1250	1870	1140	8970	10400	7040	8640	8170	6010
18	1840	1400	1230	1140	2130	1180	11000	8770	6660	8530	8280	5880
19	1870	1360	1220	1180	2090	1400	13200	8190	6530	8500	8530	5840
20	1720	1360	1230	1360	2130	1610	11500	9820	6660	8420	8720	5490
21	1850	1080	1230	2060	2090	1840	10100	9610	6720	8340	8750	5080
22	1800	1020	1200	1720	1940	2060	10500	8340	7010	8310	8720	4920
23	2020	1020	1210	1260	1600	1530	12800	7710	7150	8470	8750	4670
24	1890	1040	1200	1150	1910	1230	18100	7500	7010	8690	8780	4510
25	1760	1110	1200	1110	2140	1220	19000	7260	6980	8780	8720	4620
26	1620	1110	1150	1030	2360	1210	15700	7150	7090	8750	8530	4400
27	1790	1050	1150	1030	2570	1210	9490	7280	7120	8750	8530	3860
28	2030	1000	1150	1120	2680	1230	6690	8820	7120	8610	8440	3740
29	2000	1000	1150	1330	---	1230	9750	13300	6880	8550	8470	2790
30	1990	1170	1150	1460	---	1360	13700	13700	6800	8550	8390	2250
31	2060	1150	1150	1700	---	1500	12700	12700	8200	8610	8200	---

Year	Mean	Aggr.
1912	1533	1533
1913	1773	1773
1914	1446	1446
2014	2014	2014
1921	1621	1621
1922	6822	6822
1929	8704	8704
1927	7104	7104
1928	8437	8437
1929	8502	8502
1930	6127	6127

YEAR 1912  
MEAN 1533  
AGGR. 1533



Base height in feet  
Daily observations of

LAKE MINNER at MINNER, IDAHO

For the year ending September 30, 19

Plate No. 36

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10.40	9.96	6.56	6.98	7.78	7.39	7.62	10.80	10.84	10.68	10.74	10.96
2	10.35	9.87	6.73	7.02	7.88	7.34	8.42	10.88	11.00	10.66	10.78	10.86
3	10.14	9.74	6.90	7.11	7.62	7.22	8.92	10.90	10.74	10.68	10.79	10.86
4	9.98	9.43	7.44	7.30	7.10	7.44	9.08	10.76	10.47	10.80	10.86	10.65
5	9.90	9.38	7.64	7.40	7.22	7.42	9.26	10.97	10.43	10.80	10.84	10.64
6	9.81	9.24	7.54	7.35	7.32	7.33	9.26	10.91	10.50	10.84	10.97	10.64
7	9.88	8.92	7.52	7.36	7.40	7.45	9.22	10.94	10.49	10.80	10.98	10.76
8	9.78	8.46	7.56	7.38	7.22	7.58	9.24	11.00	10.84	10.87	10.94	10.82
9	9.78	8.35	7.50	7.36	7.19	7.49	9.52	10.96	11.08	10.98	10.92	10.74
10	9.70	8.76	7.49	7.34	7.32	7.36	9.82	10.94	11.08	10.99	10.91	10.91
11	9.67	9.34	7.54	7.27	7.34	7.52	10.00	11.18	11.00	10.89	10.87	10.92
12	9.54	9.80	7.59	7.26	7.44	7.42	10.10	10.98	11.00	10.90	10.81	10.82
13	9.26	10.22	7.64	7.22	7.33	7.54	10.15	10.90	11.03	10.85	10.86	10.98
14	9.26	10.52	7.68	7.14	7.38	7.49	10.10	10.98	11.00	10.80	10.84	10.93
15	9.16	10.58	7.71	7.10	7.48	7.58	10.22	10.94	10.80	10.86	10.80	10.89
16	8.96	10.70	7.74	7.34	7.41	7.48	10.40	10.94	11.08	10.86	10.74	10.71
17	8.90	10.66	7.77	7.68	7.14	7.53	10.84	10.91	11.18	10.82	10.76	10.36
18	9.00	10.34	7.62	7.70	7.36	7.37	10.84	10.91	10.98	10.85	10.74	10.56
19	9.14	10.28	7.66	7.39	7.48	7.54	10.87	10.89	10.78	10.86	10.76	10.68
20	9.23	9.97	7.62	7.08	7.64	7.52	10.84	10.94	10.63	10.91	10.72	10.80
21	9.38	9.73	7.26	6.86	7.64	7.64	10.82	10.96	10.56	10.91	10.68	10.74
22	9.64	9.58	7.48	7.15	7.42	7.58	11.00	11.00	10.61	10.76	10.79	10.68
23	9.83	9.44	7.50	7.63	7.36	7.66	11.03	11.03	10.75	10.66	10.82	10.65
24	9.92	9.05	7.22	7.72	7.39	7.12	10.82	10.96	10.87	10.64	10.86	10.54
25	9.94	8.54	7.28	7.60	7.38	7.32	10.80	10.90	10.83	10.72	10.94	10.56
26	9.84	8.20	7.16	7.50	7.36	7.42	10.83	10.68	10.87	10.73	10.94	10.76
27	9.78	7.80	7.08	7.43	7.46	7.52	10.81	10.58	10.86	10.83	10.80	10.72
28	9.81	7.35	7.12	7.34	7.46	7.57	10.72	10.58	10.92	10.83	10.80	10.62
29	9.92	6.92	7.14	7.26	7.34	7.58	10.92	10.81	11.05	10.83	10.69	10.47
30	10.00	6.61	7.13	7.38	7.38	7.63	10.98	10.86	11.05	10.83	10.80	10.32
31	9.98	10.00	7.16	7.60	7.36	7.68	10.87	10.86	11.05	10.83	10.80	10.32

MEAN  
YEAR  
OR  
PERIOD  
AGREEMENT

P. A. LATERAL near MILNER, IDAHO

for the year ending September 30, 1912  
Plate No. 37

Daily discharge, in second-feet, of

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	4	6	6	6	6
2	0	0	0	0	0	0	0	4	6	6	6	6
3	0	0	0	0	0	0	0	5	6	6	6	6
4	0	0	0	0	0	0	0	5	6	6	6	6
5	0	0	0	0	0	0	0	5	6	6	6	6
6	0	0	0	0	0	0	0	5	6	6	6	6
7	0	0	0	0	0	0	0	5	6	6	6	6
8	0	0	0	0	0	0	0	5	6	6	6	6
9	3	0	0	0	0	0	0	5	6	6	6	6
10	15	0	0	0	0	0	0	5	6	6	6	6
11	15	0	0	0	0	0	0	5	6	6	6	6
12	12	0	0	0	0	0	0	5	6	6	6	6
13	0	0	0	0	0	0	0	5	6	6	6	6
14	0	0	0	0	0	0	0	5	6	6	6	6
15	0	0	0	0	0	0	0	5	6	6	6	6
16	0	0	0	0	0	0	0	5	6	6	6	6
17	0	0	0	0	0	0	0	5	6	6	6	6
18	0	0	0	0	0	0	0	5	6	6	6	6
19	0	0	0	0	0	0	0	5	6	6	6	6
20	0	0	0	0	0	0	0	5	6	6	6	6
21	0	0	0	0	0	0	0	5	6	6	6	6
22	0	0	0	0	0	0	0	5	6	6	6	6
23	0	0	0	0	0	0	0	5	6	6	6	6
24	0	0	0	0	0	0	0	5	6	6	6	6
25	0	0	0	0	0	0	0	5	6	6	6	6
26	0	0	0	0	0	0	0	5	6	6	6	6
27	0	0	0	0	0	0	0	5	6	6	6	6
28	0	0	0	0	0	0	0	5	6	6	6	6
29	0	0	0	0	0	0	0	5	6	6	6	6
30	0	0	0	0	0	0	0	5	6	6	6	6
31	0	0	0	0	0	0	0	5	6	6	6	6

Year	Mean								
1900	53.9	1901	62.2	1902	61.7	1903	3820	1904	3200
1905	58.2	1906	62.0	1907	3690	1908	3580	1909	3790
1910	2.37	1911	17.1	1912	17.1	1913	17.1	1914	17.1
1915	0	1916	0	1917	0	1918	0	1919	0
1920	0	1921	0	1922	0	1923	0	1924	0
1925	0	1926	0	1927	0	1928	0	1929	0
1930	0	1931	0	1932	0	1933	0	1934	0
1935	0	1936	0	1937	0	1938	0	1939	0
1940	0	1941	0	1942	0	1943	0	1944	0
1945	0	1946	0	1947	0	1948	0	1949	0
1950	0	1951	0	1952	0	1953	0	1954	0
1955	0	1956	0	1957	0	1958	0	1959	0
1960	0	1961	0	1962	0	1963	0	1964	0
1965	0	1966	0	1967	0	1968	0	1969	0
1970	0	1971	0	1972	0	1973	0	1974	0
1975	0	1976	0	1977	0	1978	0	1979	0
1980	0	1981	0	1982	0	1983	0	1984	0
1985	0	1986	0	1987	0	1988	0	1989	0
1990	0	1991	0	1992	0	1993	0	1994	0
1995	0	1996	0	1997	0	1998	0	1999	0
2000	0	2001	0	2002	0	2003	0	2004	0
2005	0	2006	0	2007	0	2008	0	2009	0
2010	0	2011	0	2012	0	2013	0	2014	0
2015	0	2016	0	2017	0	2018	0	2019	0
2020	0	2021	0	2022	0	2023	0	2024	0
2025	0	2026	0	2027	0	2028	0	2029	0
2030	0	2031	0	2032	0	2033	0	2034	0
2035	0	2036	0	2037	0	2038	0	2039	0
2040	0	2041	0	2042	0	2043	0	2044	0
2045	0	2046	0	2047	0	2048	0	2049	0
2050	0	2051	0	2052	0	2053	0	2054	0
2055	0	2056	0	2057	0	2058	0	2059	0
2060	0	2061	0	2062	0	2063	0	2064	0
2065	0	2066	0	2067	0	2068	0	2069	0
2070	0	2071	0	2072	0	2073	0	2074	0
2075	0	2076	0	2077	0	2078	0	2079	0
2080	0	2081	0	2082	0	2083	0	2084	0
2085	0	2086	0	2087	0	2088	0	2089	0
2090	0	2091	0	2092	0	2093	0	2094	0
2095	0	2096	0	2097	0	2098	0	2099	0
2100	0	2101	0	2102	0	2103	0	2104	0

U-1119  
WATER RECORDS DIVISION  
MEAN  
25.3  
ON  
PERIOD  
18, 281  
ACRE-Feet

Daily discharge, in second-feet, of

MILNER LOW LIFT CANAL near MILNER, IDAHO

for the year ending September 30, 19

Plate No. 38

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	005						000	128	121	148	168	165
2	000						000	126	122	151	169	165
3	000						000	124	121	163	169	165
4	000						000	143	121	163	169	165
5	000						000	150	120	161	169	165
6	000						000	150	120	165	169	163
7	000						000	150	124	165	169	165
8	000						000	150	128	165	168	165
9	000						000	150	133	158	168	165
10	000						000	150	145	160	167	165
11	000						000	150	145	160	167	165
12	000						000	57	145	163	167	158
13	000						000	20	145	163	169	150
14	000						000	87	145	163	168	150
15	000						000	104	146	164	166	150
16	000						000	90	146	166	166	150
17	000						000	100	145	167	165	150
18	000						000	107	167	167	165	132
19	000						000	108	167	167	165	125
20	000						20	116	167	167	165	126
21	000						37	116	167	167	165	116
22	000						50	124	146	167	164	110
23	000						50	124	146	167	164	116
24	000						77	151	146	167	163	87
25	000						100	151	146	167	163	76
26	000						112	151	146	167	164	75
27	000						122	151	140	167	165	75
28	000						122	151	127	167	165	75
29	000						122	151	127	167	165	75
30	000						122	151	127	167	165	75
31	000						122	151	127	167	165	70

MEAN	0.16	0	0	0	0	0	20.7	119	139	164	166	133
ACRE-Feet	10	0	0	0	0	0	1230	7340	8270	10,050	10,230	7890
MEAN								62.2				
ACRE-Feet								75,020				

U.S. GOVERNMENT PRINTING OFFICE

YEAR OR PERIOD

MEAN

ACRE-Feet

Plate No. 38

Daily discharge, in second-feet, of

GOODING PROJECT IN GOODING CANAL near MILNER, IDAHO

for the year ending September 30, 19

Plot No. 39

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	1050	1340	1310	1610	1410	1430
2	0	0	0	0	0	0	1050	1350	1310	1600	1400	1400
3	0	0	0	0	0	0	1050	1350	1410	1590	1400	1400
4	0	0	0	0	0	0	1050	1350	1490	1580	1400	1400
5	0	0	0	0	0	0	1050	1340	1490	1580	1400	1400
6	0	0	0	0	0	0	1050	1340	1490	1570	1400	1400
7	0	0	0	0	0	0	1260	1350	1520	1490	1400	1400
8	0	0	0	0	0	0	1260	1350	1590	1450	1400	1400
9	0	0	0	0	0	0	1260	1300	1590	1450	1400	1400
10	0	0	0	0	0	0	1270	1250	1590	1430	1410	1290
11	0	0	0	0	0	0	1270	1240	1590	1420	1200	1200
12	0	0	0	0	0	0	1270	1240	1610	1400	1190	1190
13	3	0	0	0	0	0	1270	1240	1610	1400	1190	1150
14	3	0	0	0	0	0	1270	1270	1610	1390	1120	1120
15	5	0	0	0	0	0	1270	1320	1610	1390	1120	1120
16	5	0	0	0	0	0	1270	1320	1600	1400	1110	1110
17	5	0	0	0	0	0	1270	1310	1600	1390	1080	1080
18	6	0	0	0	0	0	1270	1310	1600	1390	1070	1070
19	6	0	0	0	0	0	1270	1310	1600	1390	1070	1020
20	6	0	0	0	0	0	1270	1310	1600	1400	1020	590
21	1	0	0	0	0	0	1270	1310	1600	1430	590	590
22	1	0	0	0	0	0	1270	1320	1600	1450	590	590
23	1	0	0	0	0	0	1310	1320	1600	1450	590	590
24	1	0	0	0	0	0	1420	1320	1600	1450	590	590
25	1	0	0	0	0	0	1410	1320	1610	1450	590	590
26	1	0	0	0	0	0	1410	1320	1630	1440	590	590
27	1	0	0	0	0	0	1410	1310	1630	1440	590	590
28	1	0	0	0	0	0	1380	1310	1630	1440	590	590
29	1	0	0	0	0	0	1340	1310	1620	1440	590	590
30	1	0	0	0	0	0	1340	1310	1620	1440	590	590
31	1	0	0	0	0	0	1340	1310	1620	1440	590	590

MEAN	0	0	0	0	0	0	310	1252	1309	1556	1461	1130
AGRE-	0	0	0	0	0	0	18,470	77,000	77,870	95,700	89,850	67,240
MEAN	0	0	0	0	0	0	0	0	0	0	0	0

MEAN YEAR 600

0-1163



NORTH SIDE CANAL PROJECT IN GOODING CANAL near MILNER, IDAHO

\* For the year ending September 30, 19

Plate No. 41

Daily discharge, in second-feet, of

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	570						0	0	0	0	0	0
2	0						0	0	0	0	0	0
3	0						0	0	0	0	0	0
4	0						0	0	0	0	0	0
5	0						0	0	0	0	0	0
6	0						0	0	0	0	0	0
7	170						90	0	0	0	0	0
8	710						128	0	0	0	0	0
9	700						354	0	0	0	0	0
10	680						603	0	0	0	0	0
11	680						667	0	0	0	0	0
12	680						780	0	0	0	0	0
13	690						0	0	0	0	0	0
14	690						0	0	0	0	0	0
15	690						0	0	0	0	0	0
16	690						0	0	0	0	0	0
17	690						0	0	0	0	0	0
18	680						0	0	0	0	0	0
19	670						0	0	0	0	0	0
20	680						0	0	0	0	0	0
21	680						0	0	0	0	0	0
22	670						0	0	0	0	0	0
23	670						0	0	0	0	0	0
24	680						0	0	0	0	0	0
25	680						0	0	0	0	0	0
26	680						0	0	0	0	0	0
27	680						0	0	0	0	0	0
28	660						0	0	0	0	0	0
29	650						0	0	0	0	0	0
30	290						0	0	0	0	0	0
31							0	0	0	0	0	0

Mean	512	0	0	0	0	0	0	0	0	0	0	0
Acres	33,340	0	0	0	0	0	0	0	0	0	0	0

Year or Period  
 Mean  
 464  
 32,660  
 53,160  
 52,110  
 55,680  
 56,690  
 52,540

U.S. GOVERNMENT PRINTING OFFICE  
 1915

NORTH SIDE TWIN FALLS CANAL at MILLNER, IDAHO

Daily discharge, in second-feet, of

For the year ending September 30, 19

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	550	550	543	481	430	442	559	1600	2160	2350	2610	2590
2	550	550	534	484	424	439	547	1700	2180	2360	2620	2520
3	550	543	537	497	430	448	537	1740	2210	2390	2630	2520
4	550	547	540	487	424	445	537	1770	2200	2410	2650	2520
5	547	547	537	472	424	448	528	1750	2190	2440	2680	2500
6	547	543	534	469	424	454	422	1760	2180	2510	2650	2470
7	543	543	534	472	418	457	17	1880	2180	2590	2650	2450
8	543	559	528	472	415	466	3	1900	2230	2630	2660	2430
9	543	582	525	466	421	484	0	1900	2230	2630	2620	2380
10	611	614	525	460	424	500	0	1930	2280	2630	2610	2340
11	608	608	518	460	427	512	0	1910	2330	2640	2600	2270
12	601	601	522	457	433	518	0	1900	2350	2620	2640	2220
13	604	604	512	457	433	506	21	1920	2360	2620	2610	2170
14	601	601	506	481	472	506	112	1920	2340	2610	2580	2090
15	601	601	506	481	472	500	218	1920	2370	2600	2550	1930
16	582	601	506	472	457	503	437	1960	2200	2590	2540	1830
17	566	566	503	466	466	497	540	1990	2200	2580	2540	1700
18	566	566	503	454	475	500	591	2040	2200	2580	2550	1650
19	569	569	512	454	475	500	752	2100	2200	2580	2590	1580
20	579	569	500	439	484	518	864	2130	2210	2560	2600	1530
21	579	579	506	460	478	521	986	2140	2210	2560	2610	1490
22	566	566	506	515	475	540	1140	2170	2240	2590	2610	1290
23	547	547	500	515	454	550	1250	2200	2240	2640	2600	900
24	547	547	500	515	442	528	1240	2180	2240	2690	2610	760
25	543	543	484	487	439	559	1240	2200	2250	2650	2620	500
26	543	543	484	421	448	572	1370	2200	2220	2620	2650	343
27	540	540	484	418	448	599	1570	2200	2220	2610	2620	397
28	543	543	484	442	445	559	1630	2200	2220	2600	2610	285
29	543	543	484	445	445	550	1710	2200	2220	2600	2610	
30	376	0	0	436	436	547		2170	2220	2600	2610	
31	547	0	0	436	436	547		2170	2220	2600	2610	

MEAN ACRE- FEET												
29.7	566	513	468	445	24,710	30,810	38,430	121,600	132,900	157,300	160,600	105,400
1830	33,700	31,510	28,750	24,710	30,810	38,430	121,600	132,900	157,300	160,600	105,400	1772

YEAR OR PERIOD 1198  
MEAN ACRE-FOOT 867.540

U. S. GOVERNMENT PRINTING OFFICE 6-1142

Partly discharge, in second feet, of

SOUTH SIDE TWIN FALLS CANAL at MILLER, IDAHO

for the year ending September 30, 1912

Plate No. 43

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1210	472	616	546	550	559	280	2720	2670	3030	3570	3360
2	1210	780	619	554	541	550	25	2820	2680	3130	3550	3340
3	1110	822	622	565	501	553	234	2770	2710	3230	3550	3310
4	1060	828	616	571	464	553	568	2760	2720	3260	3530	3220
5	1060	706	616	571	464	553	568	2760	2720	3260	3530	3220
6	1070	400	619	553	467	571	568	2730	2740	3320	3540	3220
7	1060	541	616	553	481	562	580	2780	2840	3400	3530	3220
8	1070	652	616	542	481	550	700	2840	2970	3480	3520	3180
9	1010	646	616	558	473	550	809	2850	2990	3500	3520	3150
10	975	649	616	565	484	550	889	2890	3010	3460	3520	3140
11	996	691	616	560	478	547	982	2930	3060	3470	3530	3020
12	1010	716	616	565	473	541	1100	2920	3110	3470	3500	2840
13	1010	713	616	566	492	523	1160	2890	3160	3450	3540	2770
14	1030	710	616	563	529	526	1240	2900	3130	3460	3530	2660
15	1040	713	616	558	535	526	1340	2890	3110	3480	3520	2530
16	1050	716	619	573	538	529	1430	2900	3130	3480	3500	2440
17	1050	729	616	563	529	526	1500	2830	3100	3460	3510	2330
18	1050	713	616	560	529	526	1550	2840	3050	3480	3490	2250
19	1060	668	613	581	536	523	1550	2880	3040	3480	3500	2180
20	992	619	613	546	555	523	1640	2900	3030	3480	3520	2150
21	869	589	616	556	556	523	1810	2920	3030	3480	3520	2010
22	796	571	613	554	555	520	2140	2970	3020	3500	3520	1830
23	806	568	619	549	549	526	2200	2990	3020	3530	3530	1790
24	806	571	625	550	550	520	2210	2980	3010	3560	3530	1730
25	761	574	619	551	551	515	2290	2940	2990	3590	3540	1700
26	700	568	619	554	554	506	2350	2930	3010	3590	3520	1710
27	243	601	518	549	557	498	2460	2930	3010	3580	3500	1690
28	355	622	530	537	554	501	2590	2930	3010	3570	3510	1690
29	355	613	575	532	554	484	2660	2890	3040	3550	3480	1700
30	355	616	590	540	540	470	2650	2770	3030	3560	3480	1710
31	355	700	590	540	540	490	2650	2650	3030	3580	3460	1710

Month	1912	1911	1910	1909	1908	1907	1906
May	847	646	608	559	522	529	1383
Acres-Plant	52,050	38,430	37,380	34,340	28,960	32,530	82,290
Year	1706						
Year or Period							
Acres-Plant	1,235,380						
Mean	2506	3519	2970	2852	2970	3447	212,000
Acres-Plant	149,000	216,400	212,000	176,700	175,300	176,700	212,000

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	356	1500	1404	395	476	2280	459	1640	3470	9	11	325
2	356	1400	1404	420	498	2140	473	936	99	8	12	322
3	353	1380	1407	459	456	1500	452	1890	43	8	12	319
4	350	1320	548	512	729	1710	449	1670	27	8	13	319
5	353	1580	784	671	697	1790	449	2730	10	8	13	319
6	350	2320	671	1790	3560	1580	449	1860	11	10	13	325
7	350	2530	527	2140	3240	1690	449	886	11	10	13	328
8	350	2210	527	1490	1580	1990	456	374	13	10	13	328
9	353	1330	439	614	638	1790	456	55	16	12	13	328
10	353	692	404	398	506	456	456	27	16	13	13	328
11	353	498	414	401	850	395	456	303	16	13	12	328
12	353	498	433	433	1270	356	452	507	15	12	11	328
13	353	494	459	459	1060	350	452	1020	15	12	11	336
14	353	494	462	462	1030	345	452	1980	15	12	11	333
15	392	449	417	417	1150	350	645	5160	15	13	10	330
16	494	395	414	420	798	348	4530	3140	16	13	10	325
17	494	395	429	429	626	348	6750	4140	159	13	10	316
18	501	395	433	433	775	345	7670	3300	47	11	31	319
19	501	398	436	436	931	495	10600	923	15	11	322	325
20	501	401	414	420	1060	727	8410	2870	12	11	330	333
21	498	407	407	420	1670	931	5790	2520	10	11	330	330
22	501	407	410	429	1370	1230	4750	1590	10	11	330	353
23	576	634	410	446	816	1270	7140	494	9	10	330	377
24	798	870	410	452	985	567	12500	359	10	10	330	377
25	793	865	410	423	1410	356	13300	229	11	10	328	377
26	788	825	407	404	1550	365	12400	34	11	10	328	377
27	1020	788	407	404	1850	365	6250	34	11	11	328	380
28	1420	735	426	417	2140	353	651	625	11	12	328	374
29	1620	529	456	429	---	350	1760	5540	13	12	330	368
30	1790	401	423	456	---	389	6990	6990	12	12	328	368
31	1920	---	---	---	---	452	7120	---	---	---	---	---

Year	Mean	Acres	Per cent
1920	630	38760	5.8
1919	905	53830	8.1
1918	446	27110	4.1
1917	581	35710	5.4
1916	1276	70860	10.6
1915	892	54870	8.1
1914	3911	232700	34.8
1913	1966	120900	18.4
1912	138	8230	1.2
1911	10.9	670	0.1
1910	---	---	---
1909	---	---	---
1908	---	---	---
1907	---	---	---
1906	---	---	---
1905	---	---	---
1904	---	---	---
1903	---	---	---
1902	---	---	---
1901	---	---	---
1900	---	---	---

Year 930  
 Mean 673110  
 Acres-Per cent



Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
2	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
3	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
4	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
5	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
6	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
7	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
8	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
9	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
10	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
11	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
12	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
13	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
14	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
15	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
16	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
17	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
18	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
19	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
20	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
21	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
22	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
23	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
24	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
25	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
26	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
27	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
28	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
29	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
30	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811
31	61515	61151	44270	43811	43811	43811	43811	43811	43811	43811	43811	43811

\* Interpolated

Year  
 or  
 Period  
 Mean  
 or  
 Term

Do not discharge water into this stream.

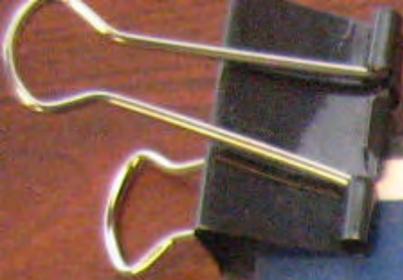
### HENRY'S FORK near LAKE, IDAHO

for the year ending September 30, 1912  
Plate No. 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1										a 12	270	a 277
2										a 12	272	274
3										a 12	270	a 75
4										a 12	269	a 68
5										a 12	267	60
6										21	265	60
7										a 21	263	61
8										a 21	263	61
9										a 21	263	61
10										a 21	260	62
11										a 22	294	57
12										a 22	292	30
13										a 22	292	9
14	a 4	a 4	a 5	a 5	a 5	a 6	a 7	a 11	a 10	a 22	292	9
15	a 4	a 4	a 5	a 5	a 5	a 6	a 7	a 11	a 10	a 22	292	9
16										101	292	9
17										70	292	10
18										70	292	10
19										69	294	10
20										70	294	10
21										70	292	10
22										154	290	6
23										278	288	3
24										278	287	3
25										278	285	3
26										276	283	3
27										272	281	3
28										272	287	3
29										272	284	3
30										272	281	3
31										272	281	3

46.5	280	17,240	2760
est. 4	est. 4	est. 4	est. 4
est. 5	est. 5	est. 5	est. 5
est. 6	est. 6	est. 6	est. 6
est. 7	est. 7	est. 7	est. 7
est. 11	est. 11	est. 11	est. 11
est. 10	est. 10	est. 10	est. 10
est. 11	est. 11	est. 11	est. 11
655	615	655	615
99.9	6140	17,240	2760

MEAN YEAR  
 41.3  
 AGRICULTURE 29,926



Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	39260	39675	51385	71190	91390	106405	122945	131610	136825	133590	104315	69130
2	39260	39645	52445	71795	95040	106685	123475	131475	136260	133590	102255	68565
3	39140	39945	53650	75465	95695	107035	123935	131475	136260	133510	100150	68105
4	39140	39975	54470	76020	96485	107385	124550	131720	136340	133350	98340	67595
5	39195	39975	54470	76020	96485	107385	124550	131720	136340	133350	96420	66740
6	39535	39705	55255	76650	97145	108020	125165	131315	136580	133270	94325	65800
7	39555	39885	56015	77200	97875	108520	125865	131235	136500	133270	92515	64915
8	39555	39825	56690	78000	98475	109230	126330	131155	136745	133110	90540	64140
9	39555	39765	57420	78745	98945	109655	126795	131235	137070	132950	88840	62950
10	39555	39765	58120	79325	99280	110085	127345	131225	137070	132950	87160	62055
11	39535	39705	58740	79845	99745	110655	127345	131530	136905	132710	85445	61175
12	39535	39675	59495	80430	100085	111375	127345	131770	136260	132310	84175	60170
13	39465	39645	60170	81015	100420	111950	127345	131690	135935	131830	82850	60535
14	39435	39705	60810	81725	100690	112530	127421	131365	136015	130720	81605	60590
15	39410	39645	61685	82375	101030	113330	127965	131365	135690	129695	81015	60535
16	39380	39375	62430	82971	101370	113840	128830	1315610	135770	128360	80255	60590
17	39380	39380	63185	83630	101780	114500	129775	131530	135530	127265	79500	60445
18	39380	39380	63900	84235	102050	115010	130720	131365	135450	125865	78690	60265
19	39380	39380	64725	84840	102390	115670	131435	131125	134880	124780	77385	60170
20	39380	39380	65355	85445	102800	116040	132310	131960	134800	123475	76975	60125
21	39435	39435	66095	85990	103145	116555	133190	131960	134555	122490	75910	60170
22	39435	39435	66790	86665	103625	117220	134720	131960	134235	121425	74910	60215
23	39435	39435	67390	87225	104110	117740	135690	131960	134075	120065	74520	60310
24	39555	39555	68205	87845	104385	118265	135935	131960	133990	119235	73590	60355
25	39675	39675	68820	88465	104870	118860	136175	131960	133910	117000	72450	60310
26	39735	39735	69545	89280	105080	119385	136905	131960	133750	115300	72450	60215
27	39705	39705	70065	90035	105080	119385	136905	131960	133910	113550	71860	60310
28	39735	39735	70690	90985	105495	120365	137070	131960	133830	112025	71115	60445
29	39885	39885	71435	91810	120970	120970	137230	131960	134075	110230	70480	60590
30	39765	39765	72235	92515	121350	121350	137150	131960	133910	108235	70220	60625
31	39735	39735	73100	93030	121955	121955	136990	131960	133910	106335	70220	60625

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	412	398	5	7	8	131	11	750	1070	579	1690	965
2	408	398	5	7	8	131	11	775	1010	574	1690	965
3	408	403	5	7	8	131	11	755	981	560	1690	960
4	408	403	5	7	8	131	11	760	981	560	1690	954
5	412	412	5	7	8	63	11	740	1020	564	1680	949
6	412	426	5	7	8	10	11	705	1030	574	1680	954
7	416	426	6	7	8	10	11	690	1040	569	1680	949
8	416	426	6	7	68	10	11	715	1100	560	1590	944
9	416	412	6	7	131	10	11	780	1160	550	1520	939
10	412	398	6	7	131	10	215	846	1160	536	1520	939
11	412	403	6	7	131	10	349	897	1060	622	1400	944
12	412	398	6	7	131	11	344	944	992	651	1320	675
13	412	394	6	7	131	11	354	902	944	882	1320	448
14	408	394	6	7	131	11	403	871	902	1050	1020	476
15	398	136	6	7	131	11	204	861	892	1040	1060	508
16	398	4	6	7	131	11	91	866	913	1050	1080	499
17	390	4	6	7	131	11	150	882	856	1060	1080	499
18	380	4	6	7	131	11	235	856	835	1060	1080	499
19	376	4	6	7	131	11	322	820	785	1060	1130	490
20	362	4	6	7	131	11	430	795	740	1050	1180	471
21	358	4	6	7	131	11	564	785	705	1050	1140	453
22	354	4	6	7	131	11	785	800	661	1150	1040	439
23	344	5	6	7	131	11	944	861	646	1260	1040	439
24	340	5	6	7	131	11	954	934	627	1400	1040	439
25	349	5	6	7	131	11	960	1080	627	1400	1020	439
26	372	5	6	7	131	11	960	1090	607	1440	965	416
27	380	5	6	7	131	11	902	1160	603	1540	965	398
28	380	5	6	7	131	11	866	1160	622	1540	965	412
29	394	5	7	7	11	11	820	1200	632	1590	965	421
30	403	5	7	7	11	11	1190	1190	607	1690	965	421
31	398						1170					

Year	Mean	Agree-Permt
1922	392	27,080
1921	196	11,680
1920	5.9	363
1919	7.4	154
1918	98.0	5,440
1917	28.0	1,720
1916	391	23,270
1915	891	54,760
1914	860	51,190
1913	932	61,290
1912	1264	77,630
1911	643	38,290



\* for the year ending September 30, 1900  
Plate No. 49

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	815	778	a 390	a 270	374	512	a 362	1240	1590	1040	2030	1280
2	809	784	a 400	a 290	378	516	a 362	1260	1530	1000	2030	1280
3	803	778	a 500	a 360	386	516	a 362	1250	1480	984	2030	1290
4	834	809	a 480	a 350	386	507	362	1270	1470	984	2030	1290
5	860	790	a 470	a 360	388	498	382	1260	1480	963	2020	1290
6	834	790	a 400	a 400	382	378	370	1200	1500	970	2010	1300
7	821	790	a 403	a 420	382	331	374	1180	1550	963	2010	1300
8	821	784	415	450	370	394	382	1220	1550	943	1990	1300
9	821	784	399	420	458	370	399	1310	1570	936	1870	1290
10	815	778	394	a 470	462	370	450	1410	1600	922	1860	1280
11	815	761	411	411	516	378	797	1460	1570	916	1810	1290
12	809	778	407	411	498	809	809	1480	1480	1010	1670	1300
13	803	766	394	394	471	847	906	1460	1430	1060	1640	876
14	797	755	390	382	476	906	906	1390	1390	1380	1520	830
15	790	755	403	374	494	969	969	1430	1380	1410	1360	869
16	784	445	407	374	489	618	618	1470	1410	1390	1380	869
17	784	a 420	382	a 330	358	749	749	1450	1360	1410	1390	856
18	778	a 420	350	a 350	366	913	913	1430	1310	1440	1380	856
19	772	a 390	390	a 430	350	1060	1060	1380	1290	1430	1380	856
20	778	a 300	407	a 550	346	1190	1360	1340	1230	1430	1470	830
21	755	a 320	390	a 570	366	1360	1360	1380	1170	1420	1470	830
22	755	a 330	350	514	366	1500	1500	1380	1130	1440	1380	810
23	749	338	350	507	374	1550	1550	1460	1120	1580	1350	804
24	732	366	386	530	366	1500	1500	1520	1100	1700	1350	810
25	732	342	362	512	358	1480	1480	1570	1080	1740	1360	810
26	749	335	286	525	346	1480	1480	1650	1090	1760	1300	804
27	761	338	316	498	370	1410	1410	1630	1090	1870	1260	772
28	778	354	390	502	362	1360	1360	1650	1100	1900	1260	766
29	778	346	415	---	362	1330	1330	1630	1110	1900	1260	778
30	778	362	399	378	362	1280	1280	1660	1080	2010	1260	785
31	778	362	350	374	362	1650	1650	1650	1080	2030	1270	785

Year	Mean	Year	Mean	Year	Mean	Year	Mean	Year	Mean
1900	1010	1885	1594	1870	1353	1855	1594	1840	1353
1890	790	1840	1421	1830	1340	1820	1421	1810	1340
1880	570	1800	897	1790	1340	1780	897	1770	1340
1870	392	1760	389	1750	1340	1740	389	1730	1340
1860	380	1720	455	1710	1340	1700	455	1690	1340
1850	23,360	1680	23,920	1670	1340	1660	23,920	1650	1340
1840	25,290	1640	53,380	1630	1340	1620	53,380	1610	1340
1830	23,360	1600	87,370	1590	1340	1580	87,370	1570	1340
1820	26,110	1560	87,370	1550	1340	1540	87,370	1530	1340
1810	33,890	1520	79,720	1510	1340	1500	79,720	1490	1340
1800	48,570	1500	83,170	1480	1340	1470	83,170	1460	1340
1790	33,890	1480	97,980	1470	1340	1460	97,980	1450	1340
1780	26,110	1460	60,090	1450	1340	1440	60,090	1430	1340
1770	23,360	1440	1594	1430	1340	1420	1594	1410	1340
1760	25,290	1420	1010	1400	1340	1400	1010	1390	1340
1750	23,360	1400	1594	1380	1340	1380	1594	1370	1340
1740	25,290	1380	1010	1360	1340	1360	1010	1350	1340
1730	23,360	1360	1594	1340	1340	1340	1594	1330	1340
1720	25,290	1340	1010	1320	1340	1320	1010	1310	1340
1710	23,360	1320	1594	1300	1340	1300	1594	1290	1340
1700	25,290	1300	1010	1280	1340	1280	1010	1270	1340
1690	23,360	1280	1594	1260	1340	1260	1594	1250	1340
1680	25,290	1260	1010	1240	1340	1240	1010	1230	1340
1670	23,360	1240	1594	1220	1340	1220	1594	1210	1340
1660	25,290	1220	1010	1200	1340	1200	1010	1190	1340
1650	23,360	1200	1594	1180	1340	1180	1594	1170	1340
1640	25,290	1180	1010	1160	1340	1160	1010	1150	1340
1630	23,360	1160	1594	1140	1340	1140	1594	1130	1340
1620	25,290	1140	1010	1120	1340	1120	1010	1110	1340
1610	23,360	1120	1594	1100	1340	1100	1594	1090	1340
1600	25,290	1100	1010	1080	1340	1080	1010	1070	1340
1590	23,360	1080	1594	1060	1340	1060	1594	1050	1340
1580	25,290	1060	1010	1040	1340	1040	1010	1030	1340
1570	23,360	1040	1594	1020	1340	1020	1594	1010	1340
1560	25,290	1020	1010	1000	1340	1000	1010	990	1340
1550	23,360	1000	1594	980	1340	980	1594	970	1340
1540	25,290	980	1010	960	1340	960	1010	950	1340
1530	23,360	960	1594	940	1340	940	1594	930	1340
1520	25,290	940	1010	920	1340	920	1010	910	1340
1510	23,360	920	1594	900	1340	900	1594	890	1340
1500	25,290	900	1010	880	1340	880	1010	870	1340
1490	23,360	880	1594	860	1340	860	1594	850	1340
1480	25,290	860	1010	840	1340	840	1010	830	1340
1470	23,360	840	1594	820	1340	820	1594	810	1340
1460	25,290	820	1010	800	1340	800	1010	790	1340
1450	23,360	800	1594	780	1340	780	1594	770	1340
1440	25,290	780	1010	760	1340	760	1010	750	1340
1430	23,360	760	1594	740	1340	740	1594	730	1340
1420	25,290	740	1010	720	1340	720	1010	710	1340
1410	23,360	720	1594	700	1340	700	1594	690	1340
1400	25,290	700	1010	680	1340	680	1010	670	1340
1390	23,360	680	1594	660	1340	660	1594	650	1340
1380	25,290	660	1010	640	1340	640	1010	630	1340
1370	23,360	640	1594	620	1340	620	1594	610	1340
1360	25,290	620	1010	600	1340	600	1010	590	1340
1350	23,360	600	1594	580	1340	580	1594	570	1340
1340	25,290	580	1010	560	1340	560	1010	550	1340
1330	23,360	560	1594	540	1340	540	1594	530	1340
1320	25,290	540	1010	520	1340	520	1010	510	1340
1310	23,360	520	1594	500	1340	500	1594	490	1340
1300	25,290	500	1010	480	1340	480	1010	470	1340
1290	23,360	480	1594	460	1340	460	1594	450	1340
1280	25,290	460	1010	440	1340	440	1010	430	1340
1270	23,360	440	1594	420	1340	420	1594	410	1340
1260	25,290	420	1010	400	1340	400	1010	390	1340
1250	23,360	400	1594	380	1340	380	1594	370	1340
1240	25,290	380	1010	360	1340	360	1010	350	1340
1230	23,360	360	1594	340	1340	340	1594	330	1340
1220	25,290	340	1010	320	1340	320	1010	310	1340
1210	23,360	320	1594	300	1340	300	1594	290	1340
1200	25,290	300	1010	280	1340	280	1010	270	1340
1190	23,360	280	1594	260	1340	260	1594	250	1340
1180	25,290	260	1010	240	1340	240	1010	230	1340
1170	23,360	240	1594	220	1340	220	1594	210	1340
1160	25,290	220	1010	200	1340	200	1010	19	

Daily discharge, in second-feet, of

HENRY'S FORK NEAR ASHTON, IDAHO

for the year ending September 30, 1912  
 Plate No. 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1060	1010	665	519	627	760	636	1750	2300	1390	2110	1650
2	1060	1070	803	618	818	792	636	1750	2180	1380	2170	1630
3	1070	1120	749	562	646	770	696	1840	2120	1380	2120	1630
4	1050	1120	665	570	676	707	696	1860	2120	1330	2120	1630
5	1160	1050	665	570	676	707	696	1860	2080	1330	2120	1630
6	1120	1050	627	636	618	696	696	1830	2080	1330	2120	1630
7	1080	1070	656	656	656	562	696	1830	2120	1330	2380	1630
8	1080	1000	636	656	665	781	760	1830	2100	1330	2120	1660
9	1060	1030	646	636	627	825	836	1840	2180	1320	2120	1650
10	1050	976	618	676	718	836	836	2100	2210	1280	2220	1630
11	1070	976	646	656	738	1280	618	2300	2200	1260	2210	1630
12	1050	976	665	665	738	1300	656	2110	2120	1340	2210	1630
13	1050	964	646	646	749	1400	656	2260	2000	1340	2060	1720
14	1070	988	608	618	676	1480	686	2080	1860	1790	1980	1270
15	1010	1010	1010	589	749	1470	636	2210	1830	1790	1600	1170
16	1030	696	665	608	749	1060	589	2400	1940	1810	1750	1170
17	1030	665	665	656	536	1270	627	2280	1860	1770	1730	1230
18	1030	676	665	618	570	1610	618	2240	1730	1810	1720	1170
19	1000	636	618	636	676	1580	627	2100	1730	1810	1750	1200
20	1010	536	707	618	792	1830	598	2100	1630	1830	1840	1160
21	988	598	665	608	869	2080	598	2180	1600	1810	1860	1160
22	976	528	656	570	825	2300	676	2280	1520	1810	1750	1090
23	940	589	562	646	686	2240	618	2240	1520	1940	1680	1090
24	964	598	636	656	749	2180	618	2510	1520	2120	1730	1100
25	976	580	636	656	718	2060	618	2510	1440	2140	1730	1100
26	976	589	519	656	760	2020	618	2570	1520	2180	1730	1090
27	1000	580	528	636	738	1940	618	2550	1520	2280	1610	1060
28	1070	589	627	656	728	1900	618	2570	1450	2320	1610	1040
29	1050	618	676	646	---	1900	618	2490	1550	2320	1650	1040
30	1070	608	665	646	---	1900	618	2470	1470	2320	1650	1050
31	1000	---	---	---	---	---	---	---	---	---	---	---

MEAN	1032	811	646	624	698	648	1397	2202	1843	1766	1972	1335
ACRE- FEET	63,470	48,230	39,730	38,390	38,710	39,860	83,130	135,400	109,700	106,600	121,200	79,420
MEAN YEAR OR PERIOD	1278											
ACRE- FEET	903,870											

Daily discharge, in second-feet, of

HENRY'S FORK RIVER AT ST. ANTHONY, IDAHO

for the year ending September 30, 1912

Plate No. 51

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								2000	2580	1220	1430	1040
2								1860	2270	1240	1420	1050
3								1960	2270	1250	1400	1050
4								2080	2400	1150	1380	1080
5								1960	2380	1150	1400	1160
6								1940	2520	1280	1370	1240
7								1880	2540	1210	1380	1260
8								1940	2890	1130	1430	1260
9								2750	3300	994	1290	1260
10								3060	3880	816	1290	1280
11								2940	3230	730	1250	1300
12								2820	2520	693	1130	1490
13								2650	2380	712	1080	1480
14								2650	2250	919	1120	1180
15								2700	2190	962	846	1040
16								2900	2960	1030	897	1110
17								2550	2610	972	987	1070
18								2380	2120	962	866	1070
19								2270	2100	897	897	1100
20								2500	1940	897	951	1060
21								2900	1700	856	983	1020
22								3230	1520	806	940	983
23								3500	1460	919	856	951
24								3800	1610	1110	887	962
25								3550	1900	1040	897	972
26								3600	2170	1070	994	962
27								3300	1940	1280	951	919
28								3500	1520	1280	951	837
29								3080	1510	1300	972	887
30								3130	1380	1420	983	866
31								2940	1780	1480	1010	

3380

MEAN												
AGRE-												
PERCENT												
	1100	1101	1057	2268	2736	168,200	135,000	65,010	67,710	65,430		

MEAN  
OF  
YEAR  
PERIOD  
501,350  
AGRE-PERCENT

U. S. GOVERNMENT PRINTING OFFICE  
1912

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1370	1540	1160	884	1380	1200	1230	2050	3080	1460	1040	862
2	1390	1540	1220	770	1340	1250	1250	1910	2500	1310	1060	879
3	1440	1540	1380	945	1240	1310	1310	2030	2040	1250	1070	940
4	1440	1780	1750	940	1200	1330	1430	2030	2230	1240	1070	956
5	1560	2000	1740	923	1260	1510	1960	1960	2340	1310	1070	1020
6	1660	2010	1630	1080	1260	1250	1960	1960	2500	1410	1070	1050
7	1610	1920	1400	1080	1200	1190	1960	1900	2730	1400	1080	1050
8	1590	1840	1390	1170	1240	1140	1740	1900	2730	1310	1100	1060
9	1600	1760	1390	1270	1190	1140	1470	2490	3930	1170	1080	1070
10	1580	1740	1390	1350	1250	1160	1550	2830	4520	1010	1070	1070
11	1560	1680	1720	1350	1290	1230	1940	2970	4130	884	1060	1160
12	1560	1660	1660	1440	1290	1250	2020	2880	3570	818	1000	1400
13	1560	1600	1380	1240	1160	1280	2200	2620	3060	780	967	1290
14	1560	1560	1600	1160	1030	1260	2340	2500	2640	786	928	1260
15	1550	1560	1560	1130	978	1200	2300	2700	3170	770	818	1190
16	1560	1460	1420	1130	978	1190	1940	2850	3630	928	791	1200
17	1570	1210	1410	1130	813	1230	2090	2700	3110	879	760	1220
18	1560	1140	1410	1230	775	1220	2430	2520	2590	846	740	1250
19	1550	* 1050	1400	1210	775	1220	2320	2520	2460	780	730	1280
20	1530	978	1370	1180	1070	1200	2410	2320	2460	720	740	1260
21	1520	912	1400	1140	1310	1160	2670	2410	1890	665	755	1240
22	1500	1000	1390	1110	1410	1200	3330	3100	1560	640	745	1160
23	1490	950	1340	1110	1380	1260	3720	3570	1730	640	740	1160
24	1460	1050	1290	1240	1260	1220	3630	3940	1630	695	750	1150
25	1440	1070	1330	1320	1230	1220	3260	3940	1960	750	796	1140
26	1520	1080	1230	1350	1220	1200	2980	3920	1960	808	802	1140
27	1550	1080	1140	1400	1220	1190	4120	4340	2380	868	770	1100
28	1580	1140	1150	1420	* 1220	1190	2520	4340	1990	934	760	1070
29	1600	1160	1300	1470	1200	1190	2310	4280	1990	967	796	1060
30	1580	1180	1350	1450		1200	2110	3860	1800	1000	835	1060
31	1580		1300	1400		1210	3570	3570				

Year	1912	1911	1910	1909	1908	1907	1906	1905	1904
Mean	1120	905	977	2617	2808	2155	1218	1186	1185
Agri-Part	66,630	55,660	60,080	155,700	172,700	128,200	74,880	65,850	72,870
Mean	1536	1408	1378	1185	1186	1218	1186	1185	1378
Agri-Part	94,450	83,800	84,750	118,800	128,200	74,880	65,850	72,870	84,750

Year  
or  
Period  
Mean  
Agri-Part  
1,115,570



Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8192	9029	9751	10697	11342	11888	12303	13175	15182	15229	15229	10967
2	8254	9012	9764	10710	11384	11902	12317	13220	15182	15229	14015	10967
3	8292	9067	9803	10737	11398	11902	12332	13280	15182	15229	13910	10967
4	8317	9104	9842	10764	11412	11916	12346	13325	15214	15214	13895	10910
5	8340	9142	9894	10791	11426	11916	12375	13385	15214	15214	13715	10910
6	8379	9167	9920	10818	11440	11930	12404	13415	15214	15214	13595	10910
7	8404	9205	9933	10845	11454	11944	12419	13445	15214	15214	13430	10910
8	8442	9231	9946	10872	11482	11958	12433	13475	15214	15214	13295	10910
9	8504	9270	9972	10899	11510	11972	12448	13505	15214	15214	13012	10910
10	8517	9270	9985	10926	11538	11986	12462	13580	15291	15182	12868	10926
11	8529	9283	10011	10940	11552	12000	12477	13640	15275	15136	12694	10926
12	8554	9296	10037	10953	11566	12014	12506	13685	15214	15089	12520	10926
13	8567	9309	10063	10967	11580	12028	12520	13730	15214	15105	12346	10926
14	8592	9348	10103	10980	11594	12042	12535	13790	15214	15120	12158	10926
15	8617	9374	10130	10994	11622	12056	12564	13865	15214	15182	12028	10926
16	8642	9413	10157	11007	11664	12071	12578	13955	15260	15182	11944	10926
17	8667	9465	10197	11034	11692	12085	12607	14015	15214	15182	11862	10926
18	8692	9504	10238	11048	11706	12114	12636	14065	15229	15182	11762	10913
19	8704	9530	10305	11062	11734	12129	12694	14075	15214	15182	11678	10913
20	8742	9556	10359	11076	11762	12143	12738	14165	15214	15182	11580	10913
21	8767	9582	10386	11090	11790	12158	12767	14210	15229	15182	11482	10913
22	8792	9595	10413	11104	11804	12187	12825	14300	15229	15182	11394	10913
23	8817	9608	10440	11118	11832	12216	12883	14407	15229	15182	11394	10913
24	8842	9621	10467	11146	11846	12230	12912	14562	15260	15260	11188	10913
25	8867	9634	10494	11174	11846	12245	12941	14733	15260	15260	11090	10913
26	8892	9647	10548	11202	11860	12259	12984	14934	15260	15260	10994	10913
27	8917	9660	10575	11230	11874	12274	13013	15136	15260	15260	10967	10913
28	8942	9673	10602	11258	11888	12274	13057	15182	15229	15229	10967	10913
29	8954	9686	10629	11272	11900	12288	13100	15182	15229	15229	10967	10913
30	8979	9699	10656	11300	11930	12303	13130	15182	15214	15214	10967	10913
31	9004		10683	11328				15182		14225		10967

Year  
 OR  
 Period  
 Mean  
 Agr-Feet

6-1113

GRASSY LAKE OUTLET near MORAN, WYO.

Partial discharge, in accordance with

for the year ending the 31st day of \_\_\_\_\_  
 Plate No. 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	79											
2	79											
3	79											
4	79											
5	62											
6	87											
7	87											
8	87											
9	87											
10	87											
11	87											
12	87											
13	87											
14	87											
15	76											
16	79											
17	79											
18	79											
19	79											
20	79											
21	79											
22	79											
23	79											
24	79											
25	79											
26	79											
27	79											
28	79											
29	79											
30	79											
31	52											

This record only covers the period after

stored water release began on July 22.

Some overflow after reservoir filled on

May 27, but no record kept until July 22.

Cascade Creek water shut off some time

after Reservoir filled on May 27 and not

turned on again until Oct. 7, 1942.

MEAN												
ACRE-Feet												
FEET												

U.S. GOVERNMENT PRINTING OFFICE

YEAR OR PERIOD  
 MEAN ACRE-Feet

978  
 3,210

Daily discharge, in second-feet, of FALL RIVER near SQUIRREL, IDAHO

Plate No. 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	398	404	410	294	365	347	372	697	1390	1350	145	124
2	398	404	614	294	365	347	372	697	1610	1510	430	438
3	410	404	505	294	365	* 345	372	1860	1860	1540	430	424
4	460	529	430	294	365	347	398	662	1860	1350	417	430
5	460	482	384	294	365	347	404	697	2070	1740	460	430
6	445	452	384	294	365	353	417	871	2270	1660	460	424
7	452	424	391	294	365	359	475	982	2430	1090	460	424
8	452	410	398	305	365	365	561	1340	2950	840	475	430
9	445	410	398	311	365	365	594	1160	2780	724	468	430
10	410	410	398	311	353	365	594	1290	2200	706	468	438
11	410	410	398	311	353	365	628	970	2050	594	468	452
12	410	410	398	311	353	365	715	994	2020	577	475	537
13	417	404	398	311	353	365	810	1020	2020	529	475	475
14	417	404	424	311	335	353	751	1190	2490	545	468	460
15	417	424	438	311	317	365	662	1190	2620	577	452	460
16	417	424	398	311	294	365	780	1070	1980	529	438	460
17	417	424	398	311	294	365	926	970	2040	537	430	468
18	417	424	424	311	300	200	994	926	2070	505	438	452
19	410	410	410	* 298	317	294	1070	1350	1960	505	430	438
20	410	410	385	410	323	294	1400	1400	1600	468	430	445
21	410	365	410	300	323	294	1360	1700	1600	468	430	445
22	410	365	398	311	323	294	1580	1700	1510	468	424	445
23	410	365	371	371	323	294	1310	2040	2140	498	438	438
24	410	365	365	365	323	353	1050	2140	2140	498	445	438
25	404	365	365	365	323	353	1050	1930	2200	490	430	438
26	404	365	359	365	323	* 354	893	2170	2430	482	475	438
27	404	365	365	365	323	371	810	2200	1580	475	430	430
28	404	365	365	365	323	371	810	1980	1350	482	417	430
29	398	391	371	371	—	371	751	1650	1260	468	417	430
30	391	391	371	371	—	371	1540	1760	1240	460	424	424
31	391	410	410	300	—	365	—	—	—	—	—	—

MEAN	ACRE-Feet	MEAN	PERIOD	Year	OR	Year	MEAN	ACRE-Feet
412	26,330	444	1988	659	477,350	79,330	118,300	47,300
412	27,330	769	1988	659	477,350	79,330	118,300	47,300
412	26,330	769	1988	659	477,350	79,330	118,300	47,300



FALL RIVER NEAR CHESTER, IDAHO

Daily discharge, in second-feet, of

for the year ending September 30, 19

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								798	1170	685	47	126
2								852	1120	772	45	126
3								852	1240	816	42	123
4								807	1480	748	38	131
5								780	1490	798	37	136
6								816	1500	816	40	106
7								879	1660	685	65	97
8								1080	1900	583	81	106
9								1530	2330	460	91	128
10								1730	2700	297	91	134
11								1550	2080	219	95	183
12								1380	1560	167	95	215
13							a 1250	a 1300	a 1300	113	100	426
14							a 1300	a 1250	a 1250	104	109	275
15							a 1350	a 1500	a 1500	139	102	161
16							1480	a 1800	164	164	91	158
17							1180	a 1600	134	134	87	158
18							1020	1390	118	118	95	161
19							970	1420	109	109	91	158
20							1220	1320	91	91	91	164
21							1460	1110	79	100	167	164
22							1890	951	57	97	164	164
23							2170	a 1200	50	100	164	164
24							2360	a 1300	58	100	164	164
25							2060	a 1500	55	106	164	164
26							2050	1660	55	136	164	164
27							2220	1270	57	113	164	164
28							2060	834	57	100	164	164
29							1630	764	52	109	164	164
30							1580	632	52	121	164	164
31							1370		48	121	164	164

Mean												
Accr-												
Year												

MEAN OF YEAR PERIOD  
 674  
 86,630  
 85,350  
 17,130  
 5,430  
 9750

U.S. GEOLOGICAL SURVEY

Daily discharge, in second-feet, of TETON RIVER near TETONIA, IDAHO

for the year ending September 30, 1912

Plate No. 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	324	283	250	190	220	200	h 220	364	700	516	431	314
2	349	279	250	180	220	h 200	h 234	414	636	516	425	310
3	334	283	350	180	220	h 200	h 283	466	686	548	425	301
4	329	339	800	180	220	h 200	h 370	437	880	581	419	301
5	334	339	360	180	220	a 200	a 100	522	1090	629	419	310
6	339	314	290	180	200	a 200	a 400	548	1100	693	414	301
7	344	283	240	180	200	a 190	a 410	408	1150	693	408	305
8	329	266	245	180	210	a 190	a 460	370	1450	723	408	305
9	310	262	250	180	200	a 200	a 510	364	1820	678	402	305
10	301	258	250	180	190	a 200	a 620	386	1820	608	402	296
11	292	258	260	180	180	a 200	a 630	431	1550	568	392	296
12	288	258	275	180	180	200	629	460	1250	535	392	329
13	288	262	275	180	180	200	522	460	1060	510	386	397
14	283	262	275	180	180	190	454	448	930	497	386	397
15	283	266	275	180	180	190	414	466	963	510	380	324
16	283	254	280	180	180	h 214	370	528	1060	574	375	310
17	283	266	*293	180	180	a 200	349	601	847	554	370	301
18	283	283	a 285	180	180	a 185	414	535	738	561	359	310
19	283	270	h 283	180	180	h 166	375	478	730	522	359	310
20	283	264	300	210	180	* 176	344	443	678	516	359	305
21	283	258	300	210	190	a 179	339	443	615	510	359	301
22	283	*256	280	210	200	a 182	359	460	541	497	354	296
23	279	225	245	220	200	a 185	408	503	535	478	354	296
24	274	215	225	230	200	h 188	402	608	608	484	349	292
25	274	215	200	240	200	a 185	370	930	678	472	359	288
26	288	220	h 194	250	200	a 182	344	1090	678	472	354	283
27	288	225	190	250	200	a 179	344	1330	678	460	344	279
28	292	230	200	250	200	a 177	349	1260	629	454	319	274
29	324	240	240	230	200	a 177	364	1060	595	454	324	270
30	296	240	250	230	210	h 177	921	921	535	454	339	266
31	279	210	210	200	200	h 194	800	800	535	448	329	

\* Result of Disch. Meas.

Mean	300	265	279	205	196	191	402	611	908	540	377	304
Agm-	18,450	15,750	17,160	12,590	10,890	11,710	23,920	37,560	54,010	33,210	23,190	18,080
Disch.												

YEAR OR PERIOD  
 YEAR  
 382  
 Mean  
 Agm-Perm  
 276,520

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

for the year ending September 30, 1912. Plate No. 5B

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	563	504	452	361	412	370	386	768	1750	1150	822	593
2	588	499	448	355	412	* 370	417	768	1720	1240	804	563
3	593	499	578	349	408	370	553	792	2360	1270	810	548
4	583	518	1270	349	412	374	756	834	2570	1320	786	543
5	593	583	640	351	412	374	929	834	2570	1320	768	538
6	593	583	583	353	399	374	762	929	2610	1430	768	538
7	588	533	443	361	399	353	798	840	2770	1470	768	538
8	583	514	448	361	403	353	883	828	3250	1440	762	533
9	563	489	457	361	395	374	949	989	3520	1360	744	523
10	548	494	457	361	374	382	1150	1460	3540	1240	744	514
11	533	484	461	386	357	378	1180	1590	3110	1160	739	504
12	528	* 480	471	403	382	386	1150	1420	2530	1120	716	543
13	523	489	475	425	370	386	1070	1130	2200	1040	705	609
14	523	484	475	386	370	386	1060	1090	1930	1000	705	598
15	523	494	466	374	370	357	1010	1020	1960	995	700	553
16	518	494	471	399	370	357	883	1080	2230	1060	700	533
17	514	494	504	421	341	378	810	1160	1920	1030	700	523
18	514	514	* 494	425	341	378	852	1100	1680	1000	689	523
19	514	489	499	* 421	349	353	929	989	1650	956	678	523
20	509	509	509	395	361	341	1020	969	1550	916	667	523
21	509	395	509	395	365	357	1020	1140	1400	890	667	523
22	504	391	494	395	370	357	1260	1600	1300	870	662	518
23	509	391	439	430	370	357	1360	2130	1310	834	656	509
24	504	391	425	448	370	361	1220	2720	1450	834	651	509
25	504	391	403	452	370	361	1050	2820	1560	864	662	504
26	504	391	391	471	370	* 357	916	3080	1560	846	667	504
27	523	408	378	471	370	361	852	3330	1460	858	630	499
28	518	421	471	471	370	361	810	3030	1320	858	593	494
29	543	434	443	452	370	357	810	2470	1230	840	598	480
30	538	426	457	421	---	361	786	2140	1150	840	609	480
31	499	426	430	412	---	370	1870	1870	1150	834	609	480

Year	Mean	Year	Mean	Year	Mean	Year	Mean	Year	Mean
1912	530	1911	704	1910	1058	1909	43,270	1908	31,510
1907	537	1906	471	1905	120,100	1904	65,070	1903	93,010
1902	33,020	1901	493	1900	2019	1513	53,630	1899	22,500
1900	21,050	1899	379	1898	366	901	24,690	1897	21,050
1896	24,690	1895	401	1894	379	901	21,050	1893	22,500
1892	30,340	1891	493	1890	366	901	24,690	1889	21,050
1887	28,030	1886	471	1885	379	901	21,050	1884	22,500
1883	33,020	1882	493	1881	366	901	24,690	1880	21,050

MEAN YEAR 7 82  
 566,220  
 AGRICULTURE

Daily discharge, in second-feet, of

Portneut River at Pocatello, Idaho

for the year ending September 30, 1912  
Plate No. 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	108	156	210	183	295	378	418	304	133	41	60	62
2	111	163	226	277	277	408	398	286	119	43	62	62
3	111	180	268	286	286	428	378	260	104	43	60	62
4	112	192	304	304	277	489	369	252	104	35	62	62
5	111	189	313	313	286	594	398	252	111	30	62	62
6	112	180	277	277	286	638	408	243	100	56	62	62
7	118	174	260	260	295	660	398	210	88	55	59	59
8	126	168	252	304	260	638	378	210	86	58	58	58
9	130	164	243	286	268	616	378	199	82	59	58	58
10	127	164	243	286	277	594	408	210	74	63	55	55
11	130	175	243	277	277	428	197	197	73	72	57	57
12	127	188	243	277	277	448	183	183	68	83	92	92
13	122	186	252	252	268	448	157	157	67	60	112	112
14	118	186	252	260	260	478	158	158	63	52	115	115
15	119	204	260	260	418	704	162	162	67	42	113	113
16	119	218	268	268	418	704	166	166	60	60	108	108
17	118	234	286	286	378	438	158	158	60	54	111	111
18	118	243	295	295	350	428	138	138	60	66	109	109
19	127	243	286	331	331	428	126	126	62	50	120	120
20	132	234	277	322	322	408	129	129	53	41	116	116
21	132	218	277	313	313	638	127	127	48	47	116	116
22	132	218	277	313	313	408	125	125	42	46	113	113
23	144	268	268	340	340	682	122	122	34	58	112	112
24	142	260	260	360	360	478	115	115	48	50	109	109
25	144	260	260	369	369	489	106	106	52	48	111	111
26	152	252	252	340	340	478	119	119	49	55	111	111
27	156	234	234	322	322	458	134	134	41	56	115	115
28	156	252	252	322	322	500	136	136	43	57	113	113
29	158	243	243	331	331	378	119	119	59	58	108	108
30	164	268	268	340	340	478	133	133	52	60	102	102
31	157	260	260	360	360	322	340	322	34	60	60	60

MEAN	130	198	262									
Area-	8,000	11,780	16,080									
Feet												
MEAN	130	198	262									
Area-	8,000	11,780	16,080									
Feet												
MEAN	130	198	262									
Area-	8,000	11,780	16,080									
Feet												
MEAN	130	198	262									
Area-	8,000	11,780	16,080									
Feet												
MEAN	130	198	262									
Area-	8,000	11,780	16,080									
Feet												
MEAN	130	198	262									
Area-	8,000	11,780	16,080									
Feet												
MEAN	130	198	262									
Area-	8,000	11,780	16,080									
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Area-	8,000	11,780	16,080									
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MEAN	130	198	262									
Area-	8,000	11,780	16,080									
Feet												
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Area-	8,000	11,780	16,080									
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Area-	8,000	11,780	16,080									
Feet												
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Area-	8,000	11,780	16,080									
Feet												
MEAN	130	198	262									
Area-	8,000	11,780	16,080									
Feet												
MEAN	130	198	262									
Area-	8,000	11,780	16,080									
Feet												
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Area-	8,000	11,780	16,080									
Feet												
MEAN	130	198	262									
Area-	8,000	11,780	16,080									
Feet												
MEAN	130	198	262									
Area-	8,000	11,780	16,080									
Feet												
MEAN	130	198	262									
Area-	8,000	11,780										