



CHASE A. CLARK
GOVERNOR

STATE OF IDAHO
DEPARTMENT OF RECLAMATION

E. V. BERG, COMMISSIONER

BOISE

ROY W. THOMPSON
DEPUTY COMMISSIONER

January 8, 1942

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

Dear Governor Clark:-

I am pleased to transmit herewith the annual report of Lynn Crandall, Watermaster and Special Deputy Commissioner of Reclamation for Water District No. 36, for the year of 1941. The report is a summary of all operations pertaining to the distribution of the waters of Snake River to the lands embraced in the district which extends from the head waters of the Snake and its tributaries to the lands under the last diversions in Milner.

The report indicates that in early spring of 1941 snow conditions were only about 65% of normal, but that timely rains and favorable ground conditions compensated sufficiently for the low run off, to provide ample water for all irrigation needs for the season.

Listed in the report are sixty different canals which supplied a total of 5,785,364 acre feet to 927,102 acres of cultivated land indicating the rather high average water use of 6.2 acre feet per acre. Several of the smaller tracts on the upper river user more than 10 acre feet per acre largely due to the gravelly character of the soil.

The various reservoirs carried considerable hold overs at the end of the 1941 irrigation season and at this time the accumulated storage is already nearly 60% of the total reservoir capacity. Every indication points to a good water year for 1942, and that the reservoirs not only will fill but that there will be a considerable waste of spring runoff water.

Water administration in District No. 36 was handled very ably this year and thus deserves the commendation of the water users, the Committee of Nine, and the Department of Reclamation.

Respectfully submitted

E. V. Berg
Commissioner of Reclamation



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

WATER DISTRICT NO. 36

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

January 5, 1942

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

Dear Sir:

Herewith is the annual report of operations in Water District #36 for the year 1941. Work in this District, as you know, is carried on cooperatively by the U. S. Geological Survey, State of Idaho, and the Snake River Waterusers, with a segregation of expenses according to the several interests.

While the run-off for the year was below normal, the water supply during the irrigation season was considerably augmented by timely rains during August and as a result ample irrigation supplies were available for all users who could be served with stored water. Reservoir holdovers at the end of the 1941 season amounted to 650,000 acre-ft. and the supply in American Falls Reservoir at this time insures its filling before the beginning of the 1942 irrigation season.

Thanks are due to your Department for its cooperative attitude towards the problems of this District, to the Committee of Nine for its assistance and advice, to the Bureau of Reclamation and its employees, to the hydrographers, river riders, gate tenders, gage readers, etc., whose faithful service made possible the efficient operation of the District, and particularly to W. V. Iorns, Effie C. Jones and Charlotte M. Elg for their assistance in the preparation of this report.

Very truly yours,

LYNN CRANDALL

Watermaster.

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INTRODUCTION

The annual watermaster election of District No. 36 was held at Idaho Falls on March 3, 1941. Fifty-seven canals with decreed rights of 36,711 sec.-ft. were represented at the meeting. Lynn Crandall was reelected 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 Kelley, R. E. Shepherd, N. V. Sharp,
Eph Ricks, Hyrum Severson and A. E. Stanger.

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

The following schedule of stored water transmission losses was approved for 1941: 2 $\frac{1}{2}$ % Moran to Heise; 4.4% Heise to Lorenzo; 0.5% Lorenzo to Woodville; 6% Woodville to Blackfoot; 4% Henrys Lake to Island Park; 2% Island Park to Warm River; 0.5% Warm River to Ashton.

The water users authorized a change in the method of apportioning costs of operation so that beginning April 1, 1941 total costs would be divided among the canals in proportion to all water diverted during the irrigation season instead of the 60% charge to normal flow and 40% to storage that has prevailed during past years; the irrigation season to be considered as May 1 to Sept. 30 for upper valley canals and April 15 to Sept. 30 for lower valley canals. By having Water District #36 collect all the costs directly from the canal companies it will no longer be necessary to use the Bureau of Reclamation as a collection agency for the portion of the costs previously charged to stored water users, thus eliminating the need for the annual contract between that Bureau and the State of Idaho covering payment of part of these costs by the Bureau of Reclamation.

The 1941 run-off was considerably below normal, being 76% of normal at Heise compared to 70% during the preceding year. Heavy rains during August in the upper valley however reduced the usual demand and increased the river flow so that it was possible to close the season on Sept. 30 with 166,780 acre-feet more water in all reservoirs than was held on the same date in 1940.

Due to some of the canals curtailing their diversions during early April it was possible to fill American Falls Reservoir on April 21, 1941. Storage diversions therefrom began on April 23, two days later, so it only filled by a scant margin with 2,700 acre-feet spilling past Milner on April 22-23. This is the least spill after filling American Falls that has occurred since the 5-year dry cycle that ended with 1935. The fact that it was possible to fill American Falls however, made the 1940 holdovers of 219,000 acre-feet in Jackson Lake, Island Park and Henrys Lake all available for rights in those reservoirs in addition to subsequent accumulation at Island Park and Grassy Lake under rights of later priority than the American Falls right. Upper Valley rains made it possible to restore all rights, discontinue regulation and begin storage in that section on Sept. 24, 1941.

Total storage diversions by canals in the District during 1941 amounted to 1,901,917 acre-feet, exclusive of 28,489 acre-feet carried past Milner by the Idaho Power Co. during the irrigation season. This is about 316,000 acre-feet less stored water than was diverted during 1940.

Jackson Lake reached a maximum storage level on June 26 of 679,200 acre-feet of which 182,919 acre-ft. were due American Falls Reservoir to replace water drawn from the latter reservoir and delivered as

normal flow to downstream canals with rights prior to the Jackson Lake storage right. This left enough storage water in Jackson Lake to fill the bottom rights in full and furnish 58,471 acre-feet for the top rights.

Island Park rights in 1941 were 100% filled from winter inflow and 1940 holdovers but owing to the fact that river regulation began before the snow melted at Grassy Lake it was only possible to store 2,845 acre-feet for Grassy Lake credit. Henrys Lake allotment was 34,887 acre-feet.

River regulation began on April 24 when rights of later priority than 1919 were cut off. Use of water for irrigation by lower valley canals began about April 21 and by those in the upper valley about May 6.

The low point on normal flow deliveries was reached Aug. 4-9 when 20% of the July 10, 1889 rights were being filled. The August rains restored rights up to June 7, 1905 priority but by Sept. 5 the supply had dropped to where all the 1891 rights were cut off. Regulation was discontinued and the river riders' services terminated on Sept. 24.

There were no crop losses from water shortages during 1941 under canals that could be served with stored water, although the usual shortages existed on the small streams tributary to Fall and Teton rivers.

About 37,000 acre-feet of storage water were rented by various users through a Storage Pool. Water on the main river was rented at 35¢ per acre-ft. but stored water in the Henrys Fork area cost 60¢ per acre-ft., which is approximately the annual charge per acre-ft. in the Fremont-Madison Irrig. Dist. Storage rental and use would have been considerably greater except for the August rains.

On Sept. 30, 1941 American Falls Reservoir held 319,800 acre-ft., Jackson Lake 226,110 acre-ft., Henrys Lake 38,530 acre-ft., Island Park Res. 39,230 acre-ft., Grassy Lake 8,167 acre-ft. and Lake Walcott 18,850 acre-ft..

The Bureau of Reclamation and Army Engineers completed new reports during 1941 on the South Fork or Palisades Reservoir. Detailed field investigations of this project by the former were resumed during the late summer.

PERSONNEL

The persons engaged in water distribution during the year 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	Irrigation season Hydrographer.
F. W. Tolles	Irrigation season Hydrographer.
Effie C. Jones	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.
A. C. Kelly	Deputy Watermaster, Idaho Falls Division.
Eugene Liljenquist	Deputy Watermaster, Blackfoot Division.
G. S. Gilhan	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. American Falls Reservoir " " "
Glen Simmons	Supt. Jackson Lake, Bureau of Reclamation
S. Geo. Pilcher	Supt. Island Park Res., " " "
E. A. Harris	Supt. Grassy Lake " " "

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

SNOW SURVEYS

Snow surveys on the Jackson Lake watershed have been made by the Bureau of Reclamation each winter beginning in 1919. A power driven sled was used in 1941 which enabled the snow surveys to be made in about one-fourth of the time previously required by travel on foot. On this account the date of measurement at most of the stations varied a few days in 1941 from that in previous years.

Table showing average snow depth
and water content in inches on Jackson Lake
watershed

(Observations made 14-21st of each month)

<u>Year</u>	<u>January</u>		<u>February</u>		<u>March</u>		<u>April</u>	
	<u>Snow</u>	<u>Water</u>	<u>Snow</u>	<u>Water</u>	<u>Snow</u>	<u>Water</u>	<u>Snow</u>	<u>Water</u>
1919	36	8.1	45	12.0	52	16.8	49	18.4
1920	49	9.6	54	13.8	74	21.5	70	23.0
1921			63	17.9	65	20.6	56	21.3
1922	54	14.2	72	18.2	73	22.0	64	23.4
1923	43	11.3	51	15.6	64	20.7	54	23.0
1924	44	10.8	47	13.5	51	15.8	48	17.7
1925	50	12.8	66	24.0	75	25.9	50	21.9
1926	32	9.0	52	14.0	49	16.6	40	15.6
1927	66	18.5	75	27.0	82	33.0	85	36.0
1928	58	18.0	59	20.4	69	23.8	80	31.5
1929	37	8.8	60	16.5	61	20.2	62	22.0
1930	36	8.3	49	13.5	53	16.8	27	11.7
1931	25	5.2	30	6.2	35	8.4	27	8.9
1932	47	12.1	64	20.0	69	24.0	61	25.0
1933	46	10.8	67	18.8	67	21.6	62	24.0
1934	36	8.5	35	12.9	40	15.3	33	15.7
1935	51	12.2	46	14.3	52	17.9	60	23.8
1936	61	13.8	77	23.1	82	29.9	75	32.0
1937	39	8.4	60	16.2	60	19.7	61	24.3
1938	42	11.3	61	18.9	65	22.5	67	27.7
1939	46	11.6	69	20.4	74	24.0	42	19.1
1940	28	6.3	43	11.3	55	18.5	40	17.6
1941	43	11.2	53	15.3	49	15.8	34	13.5
Average, inches	44	10.9	57	16.7	62	20.5	54	21.6

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 at the time of the January Snow Survey was in excess of the average of past years of records but the ratio of the monthly water content to average steadily decreased thereafter until at the time of the April survey it was only 62% of the average or normal water content for April. The water supply to be expected however was not as low as indicated by the April snow survey due to the fact that snow melting began early in March and the mean water content in April was actually 2.3" less than in March. The results of the March survey (77% of normal) were about the same as the 1941 river run-off at Moran (76% of normal).

The results of snow measurements on the Buffalo River watershed as made by the Bureau of Reclamation are shown in the following tabulation.

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	11.5		
1925	53	15.7		
1926	46	13.2		
1927	47	13.7		
1928	47	13.9		
1929	42	11.0		
1930	44	11.3		
1931	19	4.5		
1932	38	9.9		
1933	38	11.0		
1934	30	8.6		
1935	44	12.0		
1936	49	12.8	67	23.0
1937	35	9.1	49	15.3
1938	53	14.2	67	21.3
1939	48	13.0	56	19.0
1940	31	6.7	42	12.7
1941	38	10.2	49	15.2
Average inches	41	11.2	55	17.8

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

Beginning with 1936 snow surveys have been made available by the Irrigation Division, Soil Conservation Service, Dept. 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	<u>Depth in Inches</u>									
	Last of Dec.		Last of Jan.		Last of Feb.		Last of Mar.		Last of Apr.	
	Snow	Water	Snow	Water	Snow	Water	Snow	Water	Snow	Water
<u>Island Park (Henrys Fk.)</u>										
1936 Season	21	4.2	41	11.0	54	15.6	50	16.0		
1937 Season	25	3.0	44	9.0	51	14.6	48	14.5	33	12.0
1938 Season	26	5.9	37	8.2	48	11.9	64	19.5	18	7.6
1939 Season	24	4.9	48	10.1	53	14.4	33	11.2		
1940 Season	10	1.0	27	5.1	41	10.8	35	11.7		
1941 Season	28	4.1	38	8.4	40	10.3	32	9.6		
<u>Big Springs (Henrys Fk.)</u>										
1936 Season	24	5.5	54	15.6	65	21.8	70	23.3		
1937 Season	26	3.4	52	10.5	63	17.6	59	20.2	41	17.3
1938 Season	28	6.4	40	9.6	53	14.7	72	23.3	32	12.0
1939 Season	31	7.8	48	11.4	60	18.3	50	17.8		
1940 Season	11	1.1	27	6.1	46	11.9	41	14.0		
1941 Season	34	6.0	46	11.2	47	13.0	45	14.2		
<u>Valley View Ranch (Henrys Fk.)</u>										
1936 Season	22	5.0	-	-	-	-	58	19.8		
1937 Season	23	3.1	-	-	-	-	47	13.8	31	12.2
1938 Season	-	-	-	-	-	-	62	20.0	30	12.5
1939 Season	22	3.8	-	-	-	-	40	12.2	-	-
1940 Season	8	0.7	21	4.0	33	7.8	31	10.1		
1941 Season	30	2.9	-	-	-	-	32	9.3		
<u>Grassy Lake (Fall R.)</u>										
1940 Season	34	13.3	50	21.5	78	32.6	66	33.0	-	-
1941 Season	61	18.2	72	23.7	75	27.5	64	23.9	56	28.6
<u>Bechler Ranger Sta. (Fall R.)</u>										
1936 Season	40	9.6	71	20.6	87	29.1	87	31.0		
1937 Season	26	4.5	59	13.1	72	22.3	68	24.8		
1938 Season	32	8.2	52	14.0	59	18.9	91	29.4		
1939 Season	39	10.0	69	17.2	85	25.1	57	24.4	18	8.3
1940 Season	31	6.0	43	12.8	56	18.0	63	25.0	31	15.8
1941 Season	42	9.4	58	15.3	59	18.8	46	16.4		

Depth in Inches

<u>Station</u>	<u>Last of</u>		<u>Last of</u>		<u>Last of</u>		<u>Last of</u>		<u>Last of</u>	
	<u>Dec.</u>	<u>Snow Water</u>	<u>Jan.</u>	<u>Snow Water</u>	<u>Feb.</u>	<u>Snow Water</u>	<u>Mar.</u>	<u>Snow Water</u>	<u>Apr.</u>	<u>Snow Water</u>
<u>Teton Pass (Teton R.)</u>										
1936 Season	28	7.4	74	19.6	100	32.0	116	37.0		
1937 Season	-	-	41	11.4	62	20.0	72	24.2		
1938 Season	33	9.0	-	-	69	25.4	97	34.6		
1939 Season	49	13.2	55	16.0	78	26.4	77	28.6		
1940 Season	14	1.0	48	11.0	61	16.6	63	22.2		
1941 Season	41	9.2	51	11.8	57	15.2	56	18.4		
<u>State Line (Teton R.)</u>										
1936 Season	21	4.0	49	11.4	66	21.0	75	28.0		
1937 Season	-	-	32	8.1	45	12.6	42	15.0		
1938 Season	15	2.0	-	-	41	12.9	56	20.1		
1939 Season	31	6.1	34	7.1	46	12.1	35	12.8		
1940 Season	6	0.4	31	5.2	36	8.6	27	10.1		
1941 Season	30	5.0	36	7.3	42	10.1	30	9.7		
<u>Camp Creek (Mud Lake Drainage)</u>										
1936 Season	16	2.4	26	4.9	35	8.0	27	6.0		
1937 Season	32	3.6	34	6.3	31	8.5	39	10.8		
1938 Season	12	3.2	20	4.8	41	11.9	52	16.7		
1939 Season	11	2.3	22	4.1	32	7.3	17	4.8		
1940 Season	6	1.0	16	3.0	22	6.0	14	4.4		
1941 Season	20	3.9	26	6.1	30	8.0	21	5.9		
<u>East Rim (Hoback R.)</u>										
1936 Season	10	1.7	-	-	-	-	62	22.6	-	-
1937 Season	17	2.8	-	-	-	-	38	12.2	35	12.9
1938 Season	19	4.0	-	-	-	-	45	13.2	20	6.6
1939 Season	23	4.9	-	-	-	-	33	7.2	-	-
1940 Season	-	-	-	-	-	-	25	7.0	24	6.0
1941 Season	-	-	-	-	34	10.4	32	11.0	-	-
<u>Bryan Flat (Hoback R.)</u>										
1936 Season	11	1.7	32	7.1	-	-	50	19.5	-	-
1937 Season	14	2.3	19	4.9	33	8.1	30	10.2	14	5.6
1938 Season	13	2.8	21	5.5	26	6.7	39	11.4	0	0
1939 Season	17	3.9	30	6.6	31	8.4	24	8.0	-	-
1940 Season	4	0.3	20	4.6	19	6.5	16	4.3	-	-
1941 Season	24	5.3	26	5.8	33	9.5	23	9.0	-	-
<u>Yellowjacket (Gros Ventre R.)</u>										
1936 Season	8	1.0	20	2.9	-	10.0	38	11.3	-	-
1937 Season	9	1.2	13	2.3	22	4.3	20	6.4	10	2.9
1938 Season	12	2.8	16	3.2	21	4.2	31	7.5	0	0
1939 Season	16	2.6	20	3.9	26	5.2	19	5.1	-	-
1941 Season	-	-	19	3.3	-	-	23	5.1	-	-

Station	Last of Dec.		Last of Jan.		Last of Feb.		Last of Mar.		Last of Apr.	
	Snow	Water	Snow	Water	Snow	Water	Snow	Water	Snow	Water
<u>Grover Park Divide (Salt River)</u>										
1936 Season	-	-	46	12.6	46	15.8	69	19.6	-	-
1937 Season	23	4.1	24	4.5	36	10.8	36	11.4	-	-
1938 Season	16	4.2	25	5.6	25	7.9	42	12.4	-	-
1939 Season	-	-	23	6.4	36	9.4	20	7.6	-	-
1940 Season	-	-	26	6.6	31	9.9	25	9.8	-	-
1941 Season	27	4.6	30	7.0	31	9.1	21	8.0	-	-
<u>CCC Camp FF12 (Salt River)</u>										
1936 Season	-	-	35	10.7	53	17.1	65	22.7	-	-
1937 Season	17	3.5	22	4.4	36	9.2	35	12.3	-	-
1938 Season	18	4.4	30	6.7	32	8.4	43	13.2	-	-
1939 Season	-	-	29	5.7	36	10.1	21	7.8	-	-
1940 Season	-	-	26	5.9	27	8.3	22	8.4	-	-
1941 Season	23	4.4	25	6.6	31	8.1	23	8.2	-	-
<u>Afton Ranger Sta. (Salt River)</u>										
1936 Season	-	-	28	8.0	26	10.2	-	9.8	-	-
1937 Season	11	2.4	13	2.4	19	4.5	7	2.9	-	-
1938 Season	7	1.3	11	2.3	10	2.9	0	0	-	-
1939 Season	-	-	23	3.7	25	6.2	0	0	-	-
1940 Season	-	-	15	2.8	9	2.8	0	0	-	-
1941 Season	14	2.5	16	4.0	15	4.6	0	0	-	-
<u>Cottonwood Lake (Salt River)</u>										
1936 Season	-	-	-	-	-	-	79	28.5	-	-
1937 Season	-	-	-	-	-	-	43	15.0	-	-
1938 Season	-	-	48	11.2	43	14.0	59	18.9	-	-
1939 Season	-	-	-	-	-	-	36	15.4	-	-
1940 Season	-	-	-	-	-	-	37	13.8	-	-
1941 Season	-	-	-	-	-	-	40	13.0	-	-
<u>Slug Cr. Divide (Blackfoot River)</u>										
1936 Season	-	-	-	-	-	-	77	28.0	-	-
1937 Season	-	-	-	-	-	-	49	16.4	-	-
1938 Season	-	-	-	-	-	-	53	16.7	-	-
1939 Season	-	-	-	-	-	-	24	9.4	-	-
1940 Season	-	-	-	-	-	-	30	12.8	-	-
1941 Season	-	-	-	-	-	-	33	9.7	-	-
<u>Deadman Ranch (Greys R.)</u>										
1936 Season	-	-	36	9.6	58	19.1	77	24.8	-	-
1937 Season	15	2.5	24	5.1	37	9.3	32	9.4	-	-
1938 Season	13	2.5	24	4.9	26	7.6	35	10.5	-	-
1939 Season	28	4.1	36	6.6	36	9.4	T	T	0	0
1940 Season	T	T	22	3.4	20	3.1	-	-	0	0
1941 Season	29	5.9	29	8.0	31	10.7	20	8.0	0	0

station	Last of Dec.		Last of Jan.		Last of Feb.		Last of Mar.		Last of Apr.	
	Snow	Water	Snow	Water	Snow	Water	Snow	Water	Snow	Water
Greys Boundary(Greys River)										
1936 Season	-	-	38	9.3	46	15.0	50	18.9	-	-
1937 Season	-	-	25	3.0	40	10.3	31	11.6	-	-
1938 Season	16	3.9	29	6.9	29	8.6	32	12.4	-	-
1939 Season	-	-	41	8.0	44	13.3	23	7.6	0	0
1940 Season	-	-	29	7.2	28	9.5	14	6.1	-	-
1941 Season	-	-	26	5.6	28	8.9	16	5.9	-	-

The snow surveys at these stations at the end of March all indicated a deficient run-off for 1941. The snow supply on the South Fork tributaries from Buffalo River to Greys River was better than in 1940 but at most other points the snow was a little under the 1940 figures.

At most of the measuring stations the snow supply at the end of March 1941 was only about 50% of the supply in a year of normal run-off like 1936. The 1941 run-off was helped by an above-normal precipitation during May when most of the snow melted and the resulting annual run-off at Heise was 76% of normal for the year ending Sept. 30, 1941.

REGULATION SCHEDULE

The following schedule shows the priorities being filled during 1941 except on Teton River where rights were cut to still earlier priorities from July 12 to Aug. 12. The Teton River's schedule is given in the chapter on Henrys Fork and tributaries. There was also a short period on Henrys Fork and Fall River during the last week in June when rights were cut below the Snake River schedule.

When rights were cut below Oct. 11, 1900 priority the schedule applies only to the area above American Falls Reservoir as the inflow below Blackfoot is always sufficient to partially fill rights of that priority in the lower valley. The daily segregation of diversions by lower valley canals between stored and normal flow is shown on Plates 12-13.

1941 REGULATION SCHEDULE

Apr. 24 Cut off rights later than 1919 priority.
 " 28 Filled part March 30, 1921 right.
 May 1 Cut off 1918 rights.
 " 6 Filled part of March 30, 1921 right.
 " 12 Cut off 1909 rights.
 " 19 Cut off rights later than 1905 priority.
 " 26 Filled May 20, 1912 right.
 June 6 Cut off rights later than 1908 priority.
 " 8 Filled 1917 priorities.
 " 14 Cut off rights later than 1905 priority.
 " 26 Cut off rights later than Mar. 26, 1903 priority
 " 28 Cut off 1900 rights.
 July 1 Cut off 1896 rights.
 " 2 Cut off rights later than Feb. 6, 1895
 " 3 Filled 90% Feb. 6, 1895 right.
 " 7 Cut off all 1895 rights.
 " 9 Filled 50% Aug. 18, 1894 right.
 " 11 Cut off June 1, 1892 rights.
 " 13 Cut off all 1892 rights.
 " 14 Filled 2/3 Dec. 14, 1891 right.
 " 15 Filled 1/3 Dec. 14, 1891 right.
 " 16 Cut off June 1, 1891 right.
 " 17 Filled 75% Jan. 24, 1891 right.
 " 18 Filled 50% Jan. 24, 1891 right.
 " 19 Cut off all 1891 rights.
 " 20 Filled 50% Oct. 16, 1890 right.
 " 30 Cut off July 12, 1890 right. July 29 Cut off Oct. 16, 1890 right
 " 31 Cut off June 10, 1890 right.
 Aug. 1 Cut off all 1890 rights.
 Aug. 3 Cut off 50% July 10, 1889 rights.
 Aug. 4 Filled 20% July 10, 1889 rights.
 Aug. 10 Restored 1889 rights.
 Aug. 11 Restored 1890 rights.
 Aug. 12 Restored 60% Feb. 6, 1895 right.
 Aug. 13 Restored rights prior to Oct. 11, 1900.
 Aug. 16 Restored rights prior to June 7, 1905
 Aug. 18 Cut off rights later than Mar. 26, 1903
 Aug. 21 Cut off 1900 rights.
 Aug. 22 Filled 40% Feb. 6, 1895 right.
 Aug. 23 Cut off all 1895 rights.
 Aug. 24 Cut off all 1894 rights.
 Aug. 25 Cut off June 1, 1892 rights.
 Sept. 1 Filled 1/3 Dec. 14, 1891 rights.
 Sept. 4 Cut off June 1, 1891 rights.
 Sept. 5 Cut off all 1891 rights.
 Sept. 8 Restored 50% Jan. 24, 1891 right.
 Sept. 9 Restored June 1, 1891 rights.
 Sept. 10 Filled 50% Dec. 14, 1891 right.
 Sept. 12 Cut off rights later than June 1, 1891.
 Sept. 13 Filled 1/3 Dec. 14, 1891 right.
 Sept. 17 Filled 1893 right.

Sept. 18	Filled 1894 rights.
Sept. 20	Filled 20% Feb. 6, 1895 right.
Sept. 21	Filled 30% Feb. 6, 1895 right.
Sept. 22	Filled 50% Feb. 6, 1895 right.
Sept. 23	Filled Mar. 22, 1895 right.
Sept. 24	Discontinued upper valley regulation

Storage for 1942 began at American Falls on Sept. 25 although storage was drawn from Lake Walcott and delivered at Milner for a few days thereafter. After the close of the irrigation season the Bureau of Reclamation drew Lake Walcott down to a very low elevation to facilitate construction work on a new power unit. During part of this same period the outlet gates at American Falls dam were closed and some repair work done there.

Storage at Jackson Lake began Sept. 24, at Henrys Lake on Sept. 21, at Grassy Lake on Sept. 5 and at Island Park on Nov. 15, 1941. The storage accumulated during September at Grassy Lake was charged as an offset against storage being released from Island Park Reservoir. The drainage area of Grassy Lake is at a high elevation and the winter run-off is very small. In years of deficient run-off the prior natural flow rights are calling for all the available water and storage is being drawn from American Falls before the Grassy Lake flood run-off starts. On this account it is important that as much water as possible be accumulated and retained in Grassy Lake at the close of each irrigation season, because if American Falls Reservoir fills the following spring such water will then be available for the Grassy Lake users, where otherwise it would merely have increased the spill over Milner Dam after filling American Falls.

WATER SUPPLY

Run-off at some of the principal measuring stations during the year ending Sept. 30, 1941 is shown as follows:

<u>Station</u>	1941 run-off (acre-ft.)	Average run-off (acre-ft.)	Years of record	1941 per- cent of average
Snake at Moran	780,000	1,027,000	38	76
Snake nr. Heise	3,695,000	4,867,000	31	76
Snake at Nesley	3,559,000	5,715,000	45	62
Henrys Fk. at Warm River	587,000	713,000	27	82
Henrys Fk. nr. Rexburg	1,021,000	1,383,000	33	74
Fall R. nr. Squirrel	415,200	535,000	28	78
Teton R. nr. St. Anthony	498,300	520,000	14	96

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, and at Squirrel for Grassy Lake holdovers.

The annual run-off on the main river was slightly better than during 1940 but the run-off on Henrys Fork and Fall River was substantially less than a year ago. On Teton River however, the run-off was nearly up to normal and 7% better than a year ago. Except for a month from July 12 to Aug. 12 the Teton River was called upon to furnish water to prior rights on Snake River which is unusual as in most years rights on that stream are cut to earlier priorities than Snake River during nearly all of the regulation period. Precipitation at Driggs May to Aug. incl. was 9.25 inches or 50% above normal, which was sufficient to supply 50% of the transpiration requirements on the irrigated area in Teton Basin, resulting in a decreased draft on stream flow.

On Aug. 1st it appeared that a number of canals would be short of water after mid-August, but heavy rains occurred in the upper valley about Aug. 10 and reduced the demand as well as increased the stream flow so that the anticipated shortage never occurred.

Users on streams tributary to Fall and Teton rivers were of course limited in their supply to the actual flow in the tributary creeks, no matter how much stored water was available to exchange for natural flow. While this left them short of water at times their situation was no different in this respect than it has been in the past.

The spill past Milner after filling American Falls Reservoir amounted only to 2700 acre-feet and if the canals had drawn as much water in early April as they have in some years American Falls probably would not have filled to capacity. The American Falls rights, however, would have been filled by calling on upstream reservoirs for American Falls water held over therein at the close of the 1940 season.

There was no damage of consequence from flood water flows during 1941. The maximum discharge reached at Heise was 14,000 sec.-ft. on May 28 which is only about half of the discharge that begins to cause much floodwater damage. There were only two days that the discharge at Heise was in excess of 13,000 sec.-ft. Peak discharges on the tributaries were also below normal. The annual run-off in 1941 at most points was similar to 1926 which was considered quite a dry year and except for stored water supplies 1941 would have been a year of considerable crop losses.

TRANSFERS AND EXCHANGES

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

Transfer No. 623 - Lars Ledet, 2.0 sec.-ft. June 1, 1885
from Butler Island Canal to Ross and Rand
Canal.

Transfer No. 624 - Federal Land Bank, 0.60 sec.-ft. June 1, 1885
and 1.00 sec.-ft. June 1, 1888 transferred
from East Labelle Canal; one-half of these
quantities transferred to Great Western Canal
and one-half allowed to revert to the river
to compensate other decreed owners for less
return flow from new place of use.

Transfers and exchanges - cont'd.

Transfer No. 625 - Julius Zitlau, 0.76 sec.-ft. June 1, 1885 and 1.24 sec.-ft. June 1, 1888 transferred from East Labelle Canal; one-half of these quantities transferred to Great Western Canal and one-half to revert to river.

Transfer No. 631 - Garden Water Co., 0.4 sec.-ft. June 1, 1889, 9.0 sec.-ft. June 1, 1890, on Darby Creek transferred from Cherry Grove Canal to Garden Water Co. canals.

After the 1898 rights were cut a few of the upper valley canals who expected to be short of water later on, cut their canals dry at intervals and received credit for 90% of their valid rights at such times by trading the shut-out water to other upper valley canals as storage. A total of about 24,000 acre-feet of water were cut off by such canals but due to the August rains they did not need it later and 20,000 acre-ft. of it still remained in Jackson Lake at the close of the irrigation season.

LITIGATION

L. N. Ballard in an uncontested suit against the watermaster was permitted to have a correction made in the Rexburg decree awarding him 130 inches of May 15, 1896 water from Fox Creek instead of from Spring Creek.

A stipulated decree was handed down by the U. S. District Court for Wyoming in the case of Roxana Canal Co. et al vs. Chas. Daniels et al, involving the waters of Teton River in Idaho and Wyoming. The decree provided for full use of the waters of certain creeks by Wyoming users during the early part of the season with the flow to be equally divided between Wyoming and Idaho after the streams dropped to certain specified discharges.

The Wyoming District Court at Jackson, Wyo. upheld the previous decisions of the Wyoming State Engineer and State Board of Water Control in denying the Utah-Idaho Sugar Co. any storage rights in Emma Matilda and Two Ocean Lakes. Consequently no storage was delivered to the Sugar Co. from those reservoirs in 1941.

C. E. Carrington brought suit against the Watermaster and various users on Mahogany Creek in Teton Co., seeking certain preferential rights not awarded him in the Rexburg decree. A motion for non-suit was granted by the Court on the grounds that the plaintiff had deeded his ranch to another person prior to the trial of the case, although he had not yet received the money in payment thereof.

In October 1941 the Federal Farm Mortgage Corp. brought suit against the Watermaster and the State Commissioner of Reclamation under the Summary Decree Statute, seeking to acquire a decree to the waters of Teton Creek for 5.6 sec.-ft. of April 1, 1894 priority. The land is in Idaho but point of diversion is in Wyoming. The case has not yet been tried.

CANAL DELIVERIES

Daily diversions from the main river between Heise and Blackfoot for the months May to September inclusive are shown on Plates 6 to 10 incl. These are based on daily readings by the river riders for the period May 18 to Sept. 24, and by reports from the canal companies supplemented by hydrographers' visits during the remaining periods. Three of the canals have recording gages. No records were secured of diversions by these canals during the non-irrigation season. Records of diversions by lower valley canals are available for the full year and are tabulated on Plates 34 to 44 incl.

Part season records of the larger diversions on headwater areas are shown on Plate 23. There are many small individual ditches in the headwater areas in Teton Basin, Swan Valley, Island Park, etc. which were only visited when need for regulation occurred and no complete records are available of diversions by such ditches. Most of them divert from small creeks with limited discharge after the flood waters have passed. The small amount of water used by them does not justify the cost of additional deputies that would be required for daily regulation. Past practice has been to visit them at intervals during the regulation period and, if their rights have been cut, to rent them enough stored water to cover the supply available for diversion. In a few cases the flow is so small and so located that it would not reach any live water tributary of the river and in such instances the users have been permitted to divert the water without regard to river priorities in effect.

The following tabulation shows the seasonal diversions and acreage served 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 acreage in the following table were furnished, in most instances, by the various canal companies. Where no replies were received from the companies the figures were estimated by the Watermaster from reports in past years and other information. They are supposed to represent gross irrigated acreage receiving water with no deductions for roads, canals, building sites, small waste areas, etc.

There are probably about 15,000 additional acres irrigated along the river between the Idaho-Wyoming line at Alpine and American Falls not included in this tabulation. These include the Swan Valley section above Heise, Spring Creeks around Menan, and various Creeks near Springfield.

Diversions during 1941 irrigation season
(Snake River Canals)

Canal	Irr. season Diversions (acre-ft.)	Area under canal (acres)	Area drawing water 1941	Diversions acre-ft. per acre
Riley	4,060	880	800	5.1
Anderson & Eagle Rock	208,000 (a)	31,500	31,500	6.6
Farmers Friend	86,500	10,300	10,200	8.5
Enterprise	29,500	5,000	5,000	5.9
Nelson	224	80	50	4.5
Mattson-Arnsberger	2,340	850	500	4.7
Ross & Rand	903	150	140	6.5
Butler Island	12,800	1,400	1,100	11.6
Steele	2,050	300	250	8.2
Harrison	98,000	12,000	12,000	8.2
Cheney	1,590	240	180	8.8
Rudy & Boomer	49,100	5,500	5,000	9.8
Kite & Nord	1,180	235	140	8.4
Burgess	206,000	22,000	21,000	9.8
Clark & Edwards	19,000	1,945	1,700	11.2
Lowder & Jennings	7,600	1,200	900	8.4
East LaBelle	29,900	2,200	2,200	13.6
Sunnydell	27,100	3,620	3,560	7.6
Lenroot	28,600	3,800	3,800	7.5
Reid	33,800	5,000	5,000	6.8
Texas Feeder	66,700	8,500	7,000	9.5
Nelson Corey	2,410	640	440	5.5
Hill Pettinger	355	210	120	3.0
Rigby	41,800	4,000	4,000	10.4
Dilts	5,580	700	640	8.7
Island	35,600	3,400	3,000	11.9
W.LaBelle & Long Isl.	112,000	9,000	8,500	13.2
Parks & Lewisville	81,500	6,500	6,000	13.6
North Rigby	12,600	1,300	1,200	10.5
White	1,160	126	120	9.7
Ellis	738	120	100	7.4
Bramwell	1,420	400	200	7.1
Butte & Market Lake	60,200	18,000	17,000	3.5
Osgood	26,800	7,000	6,200	4.3

Canal	Irr. season Diversions (acre-ft.)	Area under canal (acres)	Area drawing water 1941	Diversions acre-ft. per acre
Bear Isl. & Smith	468	240	160	2.9
Idaho	246,000 (a)	35,506	35,506	6.9
Kennedy	7,900	2,230	1,950	4.1
Gt. Western & Porter	162,000	27,000	26,500	6.1
Coy & Kellar	186	60	60	3.1
Woodville	17,800	3,000	3,000	5.9
Snake River Valley Reservation	134,000 (a)	25,000	21,000	6.4
Blackfoot	168,600 (b)	60,000	32,000	5.3
New Lava Side	77,500	15,000	13,000	6.0
Peoples	34,100	5,000	5,000	6.8
Aberdeen	108,000	20,000	18,500	5.8
Corbett	281,000	61,500	61,000	4.6
Nielsen-Hansen	34,500	7,927	6,000	5.7
Riverside	2,850	500	450	6.3
Danskin	27,100	5,000	5,000	5.4
Trego	45,000	6,000	6,000	7.5
Wearrick	13,700	1,700	1,400	9.8
Watson	13,300	1,600	1,500	8.9
Parsons	31,800	4,880	4,800	6.6
North Minidoka	6,720	800	800	8.4
South Minidoka	399,570	65,076	54,290	7.4
T.F.N.S. Project	304,620	54,083	51,780	5.9
Twin Falls Canal	919,300	163,000	150,191	6.1
Milner Low Lift	993,200	202,700	202,700	4.9
Gooding Project	44,610	10,000	9,040	4.9
	414,430	76,900	55,935	7.4
Total	5,785,364	1,022,798	927,102	6.2

(a) Received some additional water from Willow and Sand Creeks.

(b) 92,400 from Snake R.; balance from Blackfoot R. and Sand Creek.

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

Total diversions by these canals was practically the same in 1941 as in 1940, although there was some variation in diversions under certain canals between the two years. A number of upper valley canals did not decrease their diversions during rainy spells in 1941 as much as the farm use decreased but spilled the surplus at such times back to the river thru wasteways. No records were secured on these wastes, hence it is impossible to determine what the net retention under the canals amounted to, the figures given in the preceding tabulation referring

only to the total diversions at the heads of the canals.

Of these total diversions from the main river 54% were drawn by lower valley canals and 46% by upper valley canals.

Canals below American Falls used 1,471,042 acre-ft. of storage or 48% of their total diversions. Upper valley canals, excluding Henrys Fork, used 349,558 acre-ft. of storage or 13% of their total diversions.

The Idaho Power Co. drew 161,000 acre-ft. past Milner during the non-irrigation season Oct. 1, 1940 to March 15, 1941, and 28,500 acre-ft. of its 1941 primary storage Aug. 21 to Sept. 30.

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>
1932	379	563	687	579	384	2592
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
Average excluding 1934	410	641	658	522	384	2615

Henrys Fork and Tributaries
(excluding headwater creeks)

1932	205	222	192	152	98	869
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

Henry's Fork and Tributaries-cont'd.

<u>Year</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
1940	230	213	182	136	92	853
1941	209	216	183	146	93	847
Average excluding 1934	203	228	181	141	98	851

1939-41 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>
1932	35	125	140	173	159	111	743
1933	70	129	165	171	164	110	809
1934	43	97	71	101	36	12	360
1935	33	101	147	172	154	107	714
1936	26	169	128	169	150	99	741
1937	18	145	130	176	156	96	721
1938	32	147	145	145	167	113	749
1939	77	164	130	165	159	97	792
1940	35	162	156	173	159	50	735
1941	20	152	125	169	148	90	704
Average excluding 1934	38	144	141	168	157	97	745

North Side Canal Co. Project

1932	72	157	174	217	212	157	989
1933	65	169	207	204	226	164	1035
1934	52	118	127	120	62	33	512
1935	15	151	194	212	161	100	833
1936	42	201	200	202	198	130	973
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
Average excluding 1934	56	178	192	212	203	128	969

Twin Falls Project

1932	48	155	160	212	223	173	971
1933	85	197	201	218	223	162	1086
1934	129	167	154	175	191	124	940
1935	36	167	178	202	210	159	952
1936	54	209	195	219	219	142	1038
1937	57	191	179	217	216	144	1004
1938	55	186	187	198	215	167	1008
1939	126	208	195	215	221	150	1115
1940	70	191	201	220	220	126	1028
1941	101	194	174	209	214	138	1030
Average excluding 1934	70	189	186	212	218	151	1026

<u>year</u>	<u>Gooding Project</u>						
	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
1932	14	54	60	82	71	38	319
1933	2	43	58	70	58	45	276
1934	31	59	58	65	59	40	312
1935	3	54	65	67	57	1	247
1936	2	66	73	83	69	39	332
1937	10	60	66	75	68	43	322
1938	3	39	61	76	74	63	316
1939	31	76	69	79	75	53	383
1940	18	71	82	91	83	57	402
1941	21	71	75	96	88	63	414
Average excluding Sept. 1935	14	59	67	78	70	49	337

April diversions on the Minidoka project were only about 1/2 of normal but were above normal on the other lower valley projects. May diversions were above normal throughout the District. A heavy May precipitation occurred in the mountains but only a normal amount fell that month in the valley areas. June diversions were below normal except under the Gooding Canal. July diversions were about the usual amounts, while August use was slightly below normal due to rains, except on the Gooding Project. Most of the canals used less than a normal supply during September except in the section from Heise to Blackfoot and on the Gooding Project. A number of canals in the Heise-Blackfoot section whose natural flow rights are usually cut during September were able to run on natural flow in 1941 and consequently drew more water, much of the excess diversion, however, being spilled back to the river thru wasteways. Heavy diversion by the Gooding Canal in 1941 as in 1940 was probably due in large part to increased seepage losses in that canal between Milner and Shoshone. Except for the Gooding Project the total seasonal diversions in various sections of the District were about or slightly less than a normal amount.

RIVER DATA

stored and normal flow at the various river and canal stations for each day during the regulation period is shown on Plates 12-13. These quantities were computed using the regular schedule of stored water transmission losses which was approved at the annual water meeting in March 1941, and which has been in effect for some years past.

Methods of segregating stored water and normal flow at the reservoir outlets and at the various measuring stations have been fully described in previous annual reports and the same procedure was followed during the 1941 season. During periods when the 1900 rights were cut the natural flow at Cloughs was computed as 150 sec.-ft. plus inflow from Blackfoot River.

There were 182,919 acre-ft. of natural flow water accumulated in Jackson Lake prior to June 26 when storage draft started.

This was due American Falls reservoir to replace water borrowed therefrom and delivered to canals below American Falls as natural flow, to the extent that their prior natural flow rights were affected by storage at Jackson Lake.

The stored and normal flow quantities at the various river and canal stations as shown on Plates 12-13 have been computed as if the exact amount of normal flow necessary to fill prior rights had been released daily from Jackson Lake. The figures shown in these tabulations as minus storage quantities represent the equivalent at the particular measuring station of natural flow adversely retained at Jackson Lake.

The stored natural flow at Jackson Lake due American Falls Reservoir is available for delivery to the latter reservoir when and

if needed, or it may be used to deliver American Falls rights to upper valley canals, or it may be retained in Jackson Lake at the close of the season to become Jackson Lake water the following spring if American Falls reservoir fills. During 1941 it was not necessary to deliver all of this stored natural flow to American Falls Reservoir and the end of the season the total storage that had passed the Clough station was 40,580 sec.-ft. or 80,489 acre-ft. less than the amount required at that point to repay the natural flow adversely retained at upstream reservoirs.

During the past 3 years that the Jackson Lake rights have not been 100% filled they have received an average annual increase in yield of over 160,000 acre-ft. by virtue of the practice of holding as much American Falls water as possible in Jackson Lake at the close of each season, over what they would have received if all the American Falls holdover had been run down to American Falls by the end of each season. Thus any method of river operation that keeps as much water as possible in upstream reservoirs is of great benefit to owners of rights in such reservoirs. It also is of incidental benefit to owners of rights in and below American Falls Reservoir because it reduces losses at American Falls by reducing reservoir stages and it helps all users on the river because it increases return flow by making more water available for diversion along the river over a period of years. Due to the lower stages at American Falls made possible by this method of operation, the bank storage return at that reservoir has entirely offset losses in the reservoir during the period of storage draft in recent years, resulting in no loss charge to storage users. This would not be the case if the reservoir was held at higher levels throughout the season.

There are two practices that increase the amount of water held in Jackson Lake. One is to store natural flow there belonging to prior rights below American Falls during the spring months, filling such rights by borrowing stored water from American Falls; the other is to deliver Jackson Lake water belonging to lower valley canals to them during the period of storage use from American Falls reservoir as long as any water remains therein rather than to run the Jackson Lake water down the river. A similar situation but of smaller magnitude in acre-ft. exists on Henrys Fork between the Island Park and Henrys Lake reservoirs. Of course, in wet years when the reservoirs fill anyhow and considerable quantities of water spill past Milner there is no increase in yield on account of upstream holdovers but the occurrence of such years cannot be foretold in advance.

Eight sets of meter measurements of the spring-fed streams entering American Falls Reservoir were made on the following dates: May 30-31; June 11-12, 27-28; July 10-11; Aug. 5-6, 18-19; Sept. 2-3, 24-25.

A regular gaging station is maintained on the Portneuf River at Pocatello and Mr. E. H. Neal, Manager of the Aberdeen Project, supplied records of daily discharge of the Aberdeen, Tartar and Cedar wastes. Daily records of the flow of the spring-fed streams were computed by interpolation between dates of the meter measurements. The unmeasured inflow was taken as 1300 sec.-ft. during most of the season, except during rainy periods when it was arbitrarily increased somewhat to allow for local runoff from rain and reduced transpiration by vegetation along the creeks.

The computed inflow between Clough and Neeley as determined from these methods of calculation is shown by days on Plate 11. These daily quantities added to the daily normal flow at Cloughs as shown on Plates 12-13 give the daily normal flow at Neeley available for delivery to downstream canals in accordance with their priorities. 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 storage, but not otherwise, under the interpretation of the Foster decree that has been in effect since the entry of that decree in 1913.

STORED WATER DELIVERIES

American Falls Reservoir filled in 1941 although by the scant margin of only 2,700 acre-ft. to spare that spilled past Milner. Jackson Lake did not fill even with accumulated natural flow. It reached a maximum stage of 679,200 acre-ft. on June 26, of which 182,919 acre-ft. were due American Falls to replace stored water borrowed therefrom and delivered as natural flow to downstream canals at times when they were entitled to water being stored at Jackson Lake.

Allotment of Jackson Lake 1941

Max. Reservoir contents June 26,	679,200	acre-ft.
Storage due American Falls to replace water delivered as natural flow to lower valley rights prior to Jackson Lake right	182,919	"
Balance for allotment	496,281	"
Bottom rights in full	437,810	"
Bal. for top rights	58,471	" = 14.28% filled.
Allotted North Side Project	44,584	"
Twin Falls Project	13,837	"

1941 Storage Allotments in Acre-Feet
 Regular Owned and Leased Space Jackson Lake and American Falls
 (Downstream order from Heise)

Canal	J. Lake right	Am. Falls regular right	Am. Falls Lease	Total allotment
Poplar Irrig. Dist.	1,200	793	370	2,363
Progressive Irr. Dist.	0	14,609	7,409	22,018
Farmers Friend	2,000	0	0	2,000
Enterprise Canal Co.	6,100	10,509	4,908	21,517
Harrison	5,000	11,994	6,084	23,078
Rudy	2,000	2,000	1,014	5,014
Burgess	5,120	7,496	4,328	16,944
Lowder	1,040	0	0	1,040
Sunnydell	4,000	0	(a) 1,402	5,402
Lenroot	3,000	4,504	2,284	9,788
Reid	0	3,002	0	3,002
Dilts	0	1,034	524	1,558
Enterprise Irr. Dist.	0	12,000	9,738	21,738
Butte & Market Lake	0	3,002	1,402	4,404
Osgood	0	15,852	8,042	23,894
Bear Island	0	225	105	330
Smith	0	79	41	120
Kennedy	355	0	0	355
Idaho	0	26,986	12,602	39,588
Martin	1,500	2,250	1,050	4,800
New Sweden	5,000	28,528	14,471	47,999
Woodville	0	9,000	4,200	13,200
Snake River Valley	15,000	27,643	12,909	55,552
Blackfoot		15,033	7,020	22,053
Peoples	8,000	22,519	11,423	41,942
Aberdeen	42,685	41,333	31,014	115,032
Corbett		4,000	1,868	5,868
Trego		1,462	683	2,145
Minidoka Dist.	186,030	50,000	25,363	261,393
Burley District	139,780	0	25,000	164,780
Milner Low Lift		34,113	15,931	50,044
Twin Falls Canal	13,887	151,185	70,603	235,675
No. Side Project	54,584	320,256	(b) 151,805	526,645
Gooding		400,000	0	400,000
Idaho Power Co.		45,000	0	45,000
Total	496,281	1,266,407	433,593	2,196,281

(a) From Reid Canal

(b) Hillsdale 20,872, No. Side Pumps 7,438, N.S. Canal
Co. 123,367, Am. Falls District surplus 128.

Some water accumulated to American Falls Reservoir credit at intervals between April 23, when storage draft began, and June 12.

This was computed and allotted as follows:

Allotment of American Falls refill
April 23 to June 12, 1941

June 12, American Falls	1,474,040 acre-ft.
Lake Walcott	94,950 "
Clough equivalent of adverse upstream storage prior to June 12	116,564 acre-ft.
Storage used April 23 to June 12	
Gooding	90,543 "
Minidoka *	5,109 "
No. Side Project	19,753 "
Twin Falls "	6,545 "
Milner Low Lift	<u>8,134 "</u>
Total	1,815,638 "
Subtract original allotment of American Falls and Lake Walcott April 23	<u>1,797,720 "</u>
American Falls refill April 23 to June 12	17,918 "
* 19,259 minus 14,150 drawn from Walcott before refilling Walcott.	

The refill April 23 to June 12 was proportioned among the canals who had used storage during that period in proportion to storage used as follows:

Gooding	12,472 acre-ft.
Minidoka	704 "
No. Side Project	2,720 "
Twin Falls Project	902 "
Milner Low Lift	<u>1,120 "</u>
Total	17,918 "

Allotment of Lake Walcott, 1941

Contents on Apr. 23 (1st day of draft on American Falls Reservoir) =	97,720 acre-ft.
Subsequent refill May 28-June 4 =	<u>14,150</u> "
Total	111,870 "

The Minidoka Project drew 18,500 acre-ft. of storage May 13-27. Due to increased river flow water again became available thereafter for the December 14, 1909, priority of Lake Walcott and it was possible to accumulate 14,150 acre-ft. under this right for refill May 28 to June 4.

The gain between Neeley and Milner on days that the Minidoka Project was drawing storage amounted to 72,323 acre-ft. which was allotted to that project.

No water was allotted from Emma Matilda and Two Ocean Lakes in Wyoming in 1941 due to decision of the Wyoming state court that no rights existed therein for use on Idaho lands.

The following amounts of water were developed and delivered to Snake River during the storage use period in 1941 from several sources between Heise and Roberts and were classed as stored water:

Kelly Springs	30 acre-ft.
Roberts Slough	290 "
Market Lake Springs	1,654 "

The Kelly Springs water is natural flow right of 1884 priority, that the owner desired to dump into Snake River and redivert through the Sunnydell Canal rather than use his ditch direct from the Springs in which considerable loss occurs.

The Roberts Slough water was pumped by the Butte and Market Lake Canal Company into the river near Roberts July 20 to August 2. A detailed ground water survey and map was made of this area about

August 1st, which disclosed that the water being pumped was tributary underground to the river anyhow, hence the Company was notified that no further credit could be given them for this water. They then ceased pumping.

The Market Lake Springs water is delivered to the river through a drainage channel from Market Lake north of Roberts. Groundwater contours around the Market Lake show that except for the drainage channel this water would flow west under the desert north of Roberts and re-appear in Hagerman Valley, hence it is developed water as far as the Upper Snake River is concerned.

Daily storage diversions by the various canals on the main river are shown on Plate 14. Storage diversions by Henrys Fork Canals are shown separately on Plate 22. The small amount of stored water leakage past Milner dam at times when the Idaho Power Company was not drawing water was allowed to go as a partial offset against unallotted gain Neeley to Milner and net bank storage gain at American Falls Reservoir.

Most of the rentals of stored water were handled through a storage pool operated by the Watermaster's office as a convenience to the water-users. Details of the 1941 operations are shown in the following table.

1941 POOL OPERATIONSSales of water:

	<u>Acre-feet</u>
Swan Valley users	1,120
Farmers Friend Canal	25
Enterprise Canal	21
Mattson Craig	79
Harrison	160
Rudy	13
Sunnydell	43
Cheney-White-Noreen	70
Butte & Market Lake	8,000
Kennedy	60
Martin	157
New Sweden users	236
Kellar	70
Reservation	2,682
Aberdeen	18,538
Island Park users	359
Teton Basin users	<u>5,836</u>
Total	37,469

Storage Procured from:

Market Lake Springs	846
Twin Falls Canal Co.	25,000
Woodville Canal Co.	3,000
10% Penalty on stored normal	2,428
Fremont-Madison District	<u>6,195</u>
Total	37,469

The sales of water on the main river were all made at 35¢ per acre-ft. The sales on Henrys Fork were made at 60¢ per acre-ft. which is the annual cost of the water to the land owners in the Fremont-Madison District, except that late in the summer a small amount of water was rented at 35¢ when it became apparent that substantial holdovers would exist at the end of the season. There were a few transfers between canals as shown under "Notes" on Plate 14. There were no rentals of storage by holders of American Falls leases at prices in excess of cost (12¢ per acre-ft) except those handled through the Pool.

All of the Jackson Lake water owned in 1941 by canals below American Falls Reservoir was exchanged for American Falls water, hence the holdovers of such canals at the end of the 1941 season can be determined by subtracting total storage diversions from total rights as given on Plate 14.

This holdover water below American Falls at the close of the 1941 season was:

Minidoka Project	191,727	acre-ft.
Milner Low Lift	12,915	"
Twin Falls Project	73,119	"
North Side Project	35,421	"
Gooding Project	31,424	"
Idaho Power Co.	16,511	"
Unallotted Bank storage gain		
American Falls Reservoir	7,200	"
Unallotted gain Neeley to		
Milner	<u>11,194</u>	"
Total	379,511	"

The combined contents of American Falls and Lake Walcott was 338,650 acre-ft. on Sept. 30, hence at the close of the season upstream reservoirs owed the American Falls reservoir for lower valley holdovers 40,861 acre-ft. measured at American Falls, or 46,900 acre-ft. measured in the upper reservoirs. 2,358 acre-ft. were in Island Park Reservoir and 44,542 acre-ft. in Jackson Lake.

Upper Valley users also had American Falls holdovers in Jackson Lake of 163,680 acre-ft. so at the end of the 1941 season there were 208,222 acre-ft. of American Falls water in Jackson Lake.

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
1941

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

Station	May	June	July	Aug.	Sept.	Season
Moran	7,240	28,193	151,224	108,009	64,309	358,975
Heise	308,450	320,890	300,300	229,430	166,320	1,325,390
Riley Ditch	325	511	602	432	177	2,047
Heise & Riley	308,775	321,401	300,902	229,862	166,497	1,327,437
Total gain s.f.	301,535	293,208	149,678	121,853	102,188	968,462
Mean gain s.f.	9,727	9,774	4,828	3,931	3,406	6,330
Total gain ac.ft.	598,086	581,570	296,882	241,692	202,687	1,920,917

The gain in this section was greater every month than in 1940. For the 5 months period the gain was 377,282 acre-ft. or 24% greater than during the same period in 1940. During August the gain was 64% more than in August 1940.

Gain or Loss in Snake River, Heise to Shelley
1941

+ is gain, - is loss

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

Station	May	June	July	Aug.	Sept.	Season
Heise & Riley	308,775	321,401	300,902	229,862	166,497	1,327,437
Rexburg	62,285	45,837	29,094	33,773	40,890	211,879
Total Supply	371,060	367,238	329,996	263,635	207,387	1,539,316
Diversions	143,960	214,208	239,247	181,578	161,806	940,799
Shelley	214,950	171,860	112,590	106,410	73,690	679,500
Total use	358,910	386,068	351,837	287,988	235,496	1,620,299
Tot.diff. s.f.	- 12,150	+ 18,830	+ 21,841	+ 24,353	+ 28,109	+ 80,983
Mean diff. s.f.	- 392	+ 628	+ 705	+ 786	+ 937	+ 529
Tot.diff.ac.ft.	- 24,099	+ 37,349	+ 43,321	+ 48,304	+ 55,753	+ 160,628

The usual loss occurred during May. The average daily gain for the season was 90 sec.-ft. greater than in 1940. During August the daily gain was about 400 sec.-ft. greater than a year ago, probably due to spill from canal wasteways during the rainy weather.

Loss or Gain in Snake River, Shelley to Clough Stations
1941

+ is gain, - is loss

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

Station	May	June	July	Aug.	Sept.	Season
Shelley	213,890	173,840	114,980	105,870	74,170	682,750
Blackfoot R.	2,004	1,642	125	1,215	1,617	6,603
Total Supply	215,894	175,482	115,105	107,085	75,787	689,353
Diversions	79,692	97,281	87,703	66,396	57,213	388,285
Clough	129,080	78,972	22,768	40,565	22,623	294,008
Total use	208,772	176,253	110,471	106,961	79,836	682,293
Tot.diff. s.f.	- 7,122	+ 771	- 4,634	- 124	+ 4,049	- 7,060
Mean diff.s.f.	- 230	+ 26	- 149	- 4	+ 135	- 46
Tot.diff.ac.ft.	- 14,126	+ 1,529	- 9,191	- 246	+ 8,031	- 14,003

The canals with wasteways along this section of the river spilled a good deal more water than usual back to the river, especially during

June, August and Sept. Their natural flow rights were good and it was easier to spill the water than regulate closely at their headgates. This is the reason for the low loss or actual gain shown during those months. In addition to the unknown inflow from these wasteways there is an unmeasured groundwater inflow of 150 sec.-ft. within a few miles upstream from the Clough station that is not considered in the preceding tabulation.

Loss or Gain in Snake River, Clough to Neeley Stations
1941

+ is gain, - is loss

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

Station	May	June	July	Aug.	Sept.	Season
Clough	127,115	83,587	24,093	40,634	21,649	297,078
Inflow	86,580	78,230	79,216	81,740	81,388	407,154
Res. draft	92,157	108,214	236,555	195,949	55,206	688,081
Total supply	305,852	270,031	339,864	318,323	158,243	1,392,313
Neeley	310,170	267,220	339,600	322,710	159,440	1,399,140
Tot. diff. s.f. +	4,318	- 2,811	- 264	+ 4,387	+ 1,197	+ 6,827
Mean diff. s.f. +	139	- 94	- 9	+ 142	+ 40	+ 44
Tot. diff. ac. ft. +	8,565	- 5,576	- 524	+ 8,702	+ 2,374	+ 13,541

The American Falls Reservoir which occupies this section of the river showed a net gain for the season of 13,541 acre-feet. The precipitation during May was above normal which probably caused the indicated gain during that month due to rainfall on the reservoir surface and unmeasured inflow from adjacent areas. The gain prior to June 12 was automatically included in the refill allotment of American Falls water that was made for the period April 23 to June 12. The gain after June 12 from bank storage return amounting to about 7,200 acre-ft. was not allotted and remained in the reservoir at the close of the season.

The total apparent gain for the season was only about 0.5% of the discharge past the Neeley Station. It is hardly possible to measure the flow with that degree of accuracy and the indicated gain includes the net result of any errors in measurements at the river stations.

Loss or Gain in Snake River, Neeley to Minidoka Stations
1941

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

Station	May	June	July	Aug.	Sept.	Season
Neeley	309,120	267,890	339,500	322,850	162,230	1,401,590
Walcott draft	4,257	5,375	592	514	29,872	39,582
Total supply	313,377	273,265	340,092	322,340	192,102	1,441,176
N.Minidoka	45,540	37,139	47,790	39,960	23,559	193,988
S.Minidoka	30,985	25,785	37,575	34,901	21,564	150,810
Minidoka	230,810	204,860	251,810	243,920	154,400	1,085,800
Tot.acct.for	307,335	267,784	337,175	318,781	199,523	1,430,598
Tot.diff.s.f.	- 6,042	- 5,481	- 2,917	- 3,559	+ 7,421	- 10,578
Mean diff.s.f.	- 195	- 183	- 94	- 115	+ 247	- 69
Tot.diff.ac.ft.	- 11,984	- 10,871	- 5,786	- 7,059	+ 14,719	- 20,981

The net loss for the season was about the same as a year ago. The Sept. gain is probably bank storage return from Lake Walcott drawdown.

Gain in Snake River, Minidoka to Milner stations
1941

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

Station	May	June	July	Aug.	Sept.	Season
Minidoka	230,540	204,630	251,760	244,070	157,300	1,088,300
P. A.	1,873	1,860	1,939	1,953	1,475	9,100
Milner Low Lift	4,977	3,783	5,101	5,044	2,955	21,860
Gooding	57,760	59,060	71,840	68,450	53,990	311,100
No. Milner	70,240	63,760	78,180	71,960	31,677	315,817
So. Milner	97,710	87,630	105,310	107,890	69,390	467,930
Milner	217	192	245	3,977	10,546	15,177
Total use	232,777	216,285	262,615	259,274	170,033	1,140,984
Tot. gain s.f.	2,237	11,655	10,855	15,204	12,733	52,684
Mean gain s.f.	72	388	350	490	424	344
Tot.gain ac.ft.	4,437	23,117	21,531	30,157	25,256	104,498

The total gain for the 5 months period was about 8,600 acre-ft. greater than in 1940. The gain as computed disregards any changes in the height of Milner Lake.

The total gain for the season (May to Sept.) between Neeley and Milner amounted to 83,517 acre-ft. of which about 40,000 acre-ft. occurred during Sept. The gain on days that the Minidoka Project was

drawing storage was credited to that Project as follows:

May	3,650	ac.-ft.	loss
June	6,530	"	gain
July	15,745	"	gain
Aug.	23,098	"	gain
Sept.	<u>30,600</u>	"	gain
Total	72,323	"	gain

The remaining 11,194 acre-ft. of gain was not allotted as all of the canals below American Falls had unused holdovers at the end of the 1941 season, and this unallotted gain remained in American Falls Reservoir at the end of the season.

DISTRIBUTION ON HENRYS FORK

Water distribution on Henrys Fork and tributaries (except Teton Basin) was handled by Melvin Luke, Deputy Watermaster, with headquarters at St. Anthony. Grassy Lake was drained in the fall of 1940 to repair the outlet gates and had only accumulated 2,845 acre-ft. by April 18 (equivalent to April 22 at American Falls) after which all the runoff was required to fill prior rights. The Grassy Lake gates were kept closed until June 20, by which time 13,145 acre-ft. were in Grassy Lake. The daily storage increase after April 18 was computed at the various downstream measuring stations as if it had been available there as natural flow and water was borrowed from American Falls and delivered accordingly to the natural flow rights, being replaced later on by draft from Island Park of equal total quantity. This exchange procedure is the same as that between Jackson Lake and American Falls when normal flow is being stored at Jackson Lake during the spring months as previously described.

Island Park Reservoir held 119,610 acre-ft. on April 18, which was the last date that water was available for storage there under its

priority. The assumed capacity of Island Park Reservoir, based on 1940 experience, was taken as 131,910 acre-ft. The available capacity of Island Park Reservoir may vary slightly from year to year depending on how much water is going over the spillway on the day that storage draft begins. With the reservoir gates closed the height of the water in the reservoir depends on the flow over the fixed spillway crest on the day that it becomes necessary to open the gates and release stored water. Assuming 131,910 acre-ft. as the 1941 contents of Island Park Reservoir if the 1940 holdover had all been retained therein, it was necessary to call on Henrys Lake to deliver to Island Park Reservoir 12,300 acre-ft. of the 28,585 acre-ft. of Island Park water held over in Henrys Lake at the end of the 1940 season. This made the 1941 allotment of Island Park water 131,910 acre-ft., the same as in 1940.

No water accumulated to the credit of Henrys Lake after June 10, on which date it held 52,832 acre-ft. Of this amount 12,813 acre-ft. were required to deliver 12,300 acre-ft. to Island Park out of the 1940 holdover of Island Park water in Henrys Lake. There were also 2,132 acre-ft. of natural flow accumulation in Henrys Lake prior to June 9, which had been delivered to various lower valley canals with prior rights by borrowing water from American Falls reservoir. Dead storage and loss was estimated at 3,000 acre-ft., leaving 34,887 acre-ft. of Henrys Lake water for 1941 allotment to owners of Henrys Lake rights.

The Enterprise Irrigation District allotment of American Falls water was 21,738 acre-ft. in 1941, but no other American Falls water was allotted to canals on Henrys Fork. Due to August rains the demand for storage on Henrys Fork was less than it would have been otherwise

and all the canals in that section to whom storage could be delivered had an adequate supply, and substantial holdovers existed at the end of the season. Users on the tributaries to Fall and Teton Rivers were of course limited to exchange of storage for the actual supply in such tributaries.

Draft on Grassy Lake storage in 1941 amounted to 5,638 acre-ft. of which about 3,000 acre-ft. were needed to supply storage demands of canals on Fall River and the balance was delivered past the Chester gaging station to downstream canals on Henrys Fork.

The Fremont Madison Irrigation District deepened the Henrys Fork channel through a rock reef on the Railroad Ranch during June 1941, and no trouble was experienced later as regards channel capacity to carry the stored water releases from Island Park Reservoir. The discharges, however, were not as high as in 1940 and the moss growth did not appear to be as great as in that year.

Based on a study of the operation of Island Park Reservoir in comparison with records prior to reservoir construction as set out in the 1940 report, a loss charge of 30 sec.-ft. per day was made against the reservoir from May 1 to June 15. This was repaid by crediting 30 sec.-ft. of bank storage return as stored water July 1 to August 15 in addition to water actually withdrawn as computed from the reservoir contents table.

Natural flow rights on Henrys Fork and Fall River were regulated to the Snake River schedule as previously listed except for a short period during the last week in June when the available supply was not sufficient to fill rights to as late a priority as those on the main river. Rights on Teton River were also regulated according to the

Snake River Schedule until July 12, when rights later than 1889 were cut off; thereafter Teton River was regulated as follows:

July 17	Cut 1889 rights
July 26	Filled 1888 rights
July 29	Cut to June 1, 1888 right
Aug. 1	Cut to June 1, 1885 right
Aug. 4	Filled 1/3 June 1, 1885 right
Aug. 10	Filled 1/2 June 1, 1885 right
Aug. 12	Operated on Snake River Schedule.

Allotment of Henrys Lake Water, 1941

No water accumulated to credit of Henrys Lake after June 10. On that date Henrys Lake held 52,832 acre-ft. Subtracting 12,813 acre-ft. required to deliver 12,300 acre-ft. of 1940 holdover to Island Park Reservoir, 2,132 natural flow accumulations in Henrys Lake May 12 to June 9, and 3,000 acre-ft. estimated loss and dead storage leaves 34,887 acre-ft. of Henrys Lake water to be allotted to Henrys Lake owners for 1941.

<u>Canal</u>	<u>Per Cent</u>	<u>Allotment in Acre-feet</u>	
		<u>At Henrys Lake</u>	<u>at headgate</u>
Last Chance	15.3	5,337	4,996
St. Anthony Union	6.8	2,372	2,220
Salem Union	24.2	8,443	7,904
Egin	6.8	2,372	2,220
Independent	26.8	9,350	8,753
Consol. Farmers	20.1	<u>7,013</u>	<u>6,565</u>
Total	100.0	34,887	32,658

The loss from Henrys Lake to the canal headings is 6.39%.

Allotment of Island Park water, 1941

Reservoir contents Apr. 18 (equivalent to Apr. 22 at American Falls)	119,610 acre-ft.
Assumed capacity based on 1940 experience	<u>131,910</u> "
Deficit	12,300 "

This was made up by calling on Henrys Lake to deliver 12,300 acre-ft. to Island Park in 1941 out of Island Park water held over in Henrys Lake in fall of 1940 so the Island Park 1941 allotment is taken

as 131,910 acre-ft. This is the quantity of water that would have been in Island Park Reservoir on Apr. 18, 1941 if all of the Island Park holdover from 1940 had been retained in Island Park Reservoir.

Allotment of Grassy Lake Water, 1941

On Apr. 18 Grassy Lake held 2,845 acre-ft. which is its 1941 allotment as no water was subsequently available for its priority.

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

The segregation of flow at the various measuring stations on Henrys Lake is shown on Plate 21. It appears from this tabulation that 11,324 sec.-ft. or 22,461 acre-ft. of Snake River storage, measured at Rexburg station, was diverted during the season by Henrys Lake Canals. All adverse storage at Henrys Lake, Island Park, and Grassy Lake and loss charges to Island Park appear on this tabulation as ^{minus} storage items and are offset later on by the delivery of an equivalent amount of storage. Thus the total net minus storage passing Rexburg for the season represents the net retention of Snake River water by Henrys Fork canals after repaying all the adverse storage items.

The Enterprise Canal's allotment of American Falls water was 21,738 acre-ft., equivalent to 20,160 acre-ft. at its headgate, all of which was used in 1941. The total Snake River storage used by Henrys Fork Canals as previously stated was 22,461 acre-ft., leaving a balance of 2,301 acre-ft. (measured at Rexburg) or 2,358 acre-ft. (measured in the upper reservoirs) due American Falls reservoir out of holdovers in Island Park or Grassy Lake on Sept. 30, 1941.

The Fremont Madison District allocated or rented a total of 119,156 acre-ft. during 1941 out of its allotment of 134,755 acre-ft. from Island Park and Grassy Lake, retaining the balance as unallocated

holdover for 1942.

The so-called Bishop decree of 12 sec.-ft. of May 10, 1889 priority from Sheridan Creek which was acquired by the Fremont-Madison District in connection with purchase of right of way for the Island Park Reservoir was allocated June 21 to Sept. 27, inclusive, to the following canals in addition to the storage allotments given on Plate 22.

Bishop Decree Allotment for 1941

	<u>Acre-ft.</u>
Canyon Creek Canal	218
Wilford Canal	60
Good Luck Canal	56
Tompson & Eames	79
Gardner Ditch	91
Squirrel Creek Canal	545
Boone Creek Canal	518
Conant Creek Canal	468
Yellowstone Canal	216
Farmers Own Canal	20
Bell Canal	48
Chester Canal	218
McBee Canal	26
Silkey Canal	<u>34</u>
Total	2,597

In addition to the allotments shown on Plate 22, the Canals on Lower Teton River were allocated the water rented by Teton Basin and Canyon Creek users, less about 1,700 acre-ft. delivered to prior rights on Snake River for water used prior to July 12, when Teton River was being operated on the Snake River schedule. The rains about Aug. 12 increased the Teton River flow and reduced the demands so that the Teton River canals drew no storage through the Cross Cut Canal thereafter.

Holdover of Henrys Lake water at the end of 1941 season by canals holding rights therein was as follows (measured at Henrys Lake):

Dewey and Last Chance	1,014	acre-ft.
St. Anthony Union	2,372	"
Salem Union	5,160	"
Egin	2,372	"
Independent	85	"
Consolidated Farmers	<u>5,450</u>	"
Total	16,453	"

Henrys Lake held 38,530 acre-ft. at the end of the 1941 season so 22,077 acre-ft. of this was Island Park water subject to demand if needed in 1942.

In addition to the 22,461 acre-ft. of American Falls storage, diverted by exchange for natural flow, the following amounts of water were delivered past the lowest canal heading on Henrys Fork after the flood water flow was over. This water could have been retained in the Henrys Fork area if stored water was owned by Henrys Fork Canals in Snake River Reservoirs to make the change:

July	15,000	acre-ft.
August	27,000	"
Sept. 1-10	13,000	"

Water was turned from Henrys Fork into the Cross Cut Canal on June 26 and continued until Sept. 9. Daily diversions at head are shown on Plates 17-20 and daily flow below highway on Plate 22.

Following is a summary of the operations of this Canal during 1941:

Month	Totals in 24-hr. sec.-ft.				Cross Cut below Highway	Cross Cut at End.
	Cross Cut at head	Fall R. Canal Inflow	North Diversión	Middle Diversión		
June 26-30	414	821	660	568	0	0
July	6,539	899	3,550	2,494	432	372
August	6,265	340	3,028	2,041	1,574	1,500
Sept. 1-9	1,163	45	760	460	0	0

There was but little loss or gain in the canal from the head to the highway except during July when the canal was checked up to a high level to hold the "sub" and showed an apparent loss. The loss between the highway and end of canal averaged 7% for the period that water was run in 1941. The Fall River Canal used 22,722 acre-ft. of water through the Cross Cut Canal in addition to its diversions from Fall River.

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

Diversions and irrigated areas on Henrys Fork, Fall River, and lower Teton River, 1941

Canal	Diversions May to Sept. (acre-ft.)	Area under canal (acres)	Area Irrigated 1941	Diversions Acre-ft. per acre irrig.
<u>Fall River Canals</u>				
Yellowstone	1,370	5,000	1,000	1.4
Harrigfeld	0	2,140	0	0
Marysville	23,100	15,000	12,800	1.8
Farmers Own	8,980	12,000	4,500	2.0
Almy	0	60	0	0
Enterprise	31,100	7,000	6,000	5.2
Bell	1,130	160	160	7.0
Fall River	88,420 (a)	8,000	8,000	11.0
McBee	604	300	90	6.7
Chester	7,910	2,000	1,600	4.9
Silkey	3,040	620	440	6.9
Cur	8,600	1,570	1,500	5.7
Total Fall River	175,854	53,850	36,090	4.9

(a) Includes 22,722 acre-ft. diverted through Cross Cut.

Henrys Fork Canals

Dewey	2,840	1,720	1,200	2.4
Last Chance	12,930	1,900	1,840	7.0
St. Anthony Union	124,000	10,000	10,000	12.4
Farmers Friend	20,600	2,900	2,900	7.1
Twin Groves	28,700	2,500	2,500	11.5
Salem Union	44,200	5,500	5,300	8.3
Egin	78,400	6,000	6,000	13.0

Canal	Diversions May to Sept. (acre-ft.)	Area under canal (acres)	Area irrigated 1941	Diversions Acre-ft. per acre irrig.
<u>Henrys Fork Canals cont'd.</u>				
Union Feeder	18,400	2,000	2,000	9.2
Independent	58,200	7,000	7,000	8.3
Consol. Farmers	50,000	8,000	6,000	8.3
Total Henrys Fork	438,270	47,520	44,740	9.8
<u>Lower Teton Canals</u>				
Siddoway	1,910	500	500	3.8
Wilford	27,700	1,800	1,800	15.4
Teton Irrig.	20,300	2,000	2,000	10.2
Good Luck	4,110	400	400	10.3
Pioneer	2,540	400	400	6.3
Stewart	4,250	366	366	11.6
Pincock Byington	2,830	340	300	9.4
Pincock Garner	4,270	580	440	9.7
Teton Isl. Feeder	83,000	10,500	10,400	8.0
North Salem	2,940	600	400	7.4
Roxana (b)	2,830	720	720	3.9
Island Ward	8,800	3,300	3,000	2.9
Woodmanse-Johnson	5,140	1,000	1,000	5.1
City of Rexburg	7,880	1,290	1,100	7.2
Rexburg Irrig.	49,400	5,650	5,282	9.3
Saury Sommers	2,760	640	640	4.3
Total Teton R.	230,660	30,086	28,748	8.0
Total Fall R., Henrys Fork, and Teton River.	844,784	131,456	109,578	7.7

(b) Also receives water through Consol. Farmers from Henrys Fork.

The total amount of water used by these canals was about the same as in 1940.

In addition to canals and acreage listed in the preceding tabulation, there are about 55,000 acres in Teton Basin with water rights, of which about 37,000 acres were irrigated in 1941. On other headwater areas of Henrys Fork and tributaries there are about 32,000 acres with

decreed water rights of which about 24,000 acres were irrigated in 1941. The water supply for lands on these headwater areas is practically all derived from tributary creeks which drop to low discharges after mid-summer. On this account the total seasonal diversion in acre-ft. per acre for these lands is far less than for lands further downstream that can be supplied with stored water or divert from larger streams.

Several trips were made into the Island Park area at intervals during the season and users there rented 359 acre-ft. of storage. There was so much rain in that section during the late summer, however, that there was little demand or need for water for irrigation.

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, 1941

(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	197	343	5,118	3,449	614	9,721
I.P. Reservoir release	-645	5,244	17,384	15,130	9,610	46,723
Total Supply	-448	5,587	22,502	18,579	10,224	56,444
Island Park	16,897	18,863	33,848	31,126	22,914	123,648
Total gain s.f.	17,345	13,276	11,346	12,547	12,690	67,204
Mean gain s.f.	560	443	366	405	423	439
Tot. gain ac.-ft.	34,403	26,332	22,504	24,887	25,171	133,297

The gain was less each month than during 1940, the average decrease for the season being 50 sec.-ft. in the mean daily discharge. The sharp

reduction in gain during July was probably due to release of Henrys Lake storage that month.

Gain in Henrys Fork, Island Park to Warm River Stations, 1941

(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	16,705	18,631	33,743	31,358	23,175	123,612
Warm River	31,254	29,255	43,762	42,675	33,492	180,438
Tot. gain s.f.	14,549	10,624	10,019	11,317	10,317	56,826
Mean gain s.f.	469	354	323	365	344	371
Tot. gain ac.ft.	28,857	21,072	19,873	22,447	20,464	112,713

The gain in this section in 1941 was also less each month than a year ago. On an average during the season the mean daily gain was 48 sec.-ft. less than in 1940. On the entire watershed above Warm River there was evidently a drop in the ground water levels during 1941 as compared with the preceding year.

Gain in Henrys Fork, Warm River to Ashton stations, 1941

(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	31,208	29,186	43,720	42,748	33,582	180,444
Ashton	49,420	42,620	55,140	51,500	42,510	241,190
Tot. gain s.f.	18,212	13,434	11,420	8,752	8,928	60,746
Mean gain s.f.	587	448	368	282	298	397
Tot. gain ac.ft.	36,122	26,646	22,651	17,360	17,709	120,488

The total gain for the 5 months was about 2,000 acre-ft. less than in 1940. This was all due to decreased runoff during the snow melting month of May as the gain was slightly greater each month in 1941 from June to Sept., inclusive.

gain in Fall River, Squirrel to Chester Stations, 1941
(Chester dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Season
Squirrel	53,757	32,444	13,214	12,169	12,241	123,825
Diversions	13,906	19,493	13,257	9,726	7,712	64,094
Chester	48,910	18,456	2,109	4,942	6,056	80,473
Tot. Acct. for	62,816	37,949	15,366	14,668	13,768	144,567
Tot. gain s.f.	9,059	5,505	2,152	2,499	1,527	20,742
Mean gain s.f.	292	184	69	81	51	136
Tot. gain ac.-ft.	17,968	10,919	4,268	4,957	3,029	41,141

The gain in this section for the 5 months was about 16,000 acre-ft. greater than in 1940 but was slightly less than the gain in 1939.

Gain in Henrys Fork, Ashton to St. Anthony stations, 1941

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

Ashton	49,400	42,560	55,140	51,570	42,620	241,290
Chester	49,006	18,697	2,127	4,912	6,049	80,791
Tot. Supply	98,406	61,257	57,267	56,482	48,669	322,081
Diversions	34,993	27,810	30,318	26,118	12,793	132,032
St. Anthony	65,690	34,323	27,752	32,849	37,250	197,864
Tot. Acct. for	100,683	62,133	58,070	58,967	50,043	329,896
Tot. gain s.f.	2,277	876	803	2,485	1,374	7,815
Mean gain s.f.	73	29	26	80	46	51
Tot. gain ac. ft.	4,516	1,738	1,593	4,929	2,725	15,501

The total gain was about 8,000 acre-ft. more than in 1940 but was a little less than in 1939.

Gain in Henrys Fork and Teton River, St. Anthony
to Rexburg stations, 1941

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

St. Anthony	66,040	34,698	27,836	32,710	37,345	198,629
Teton River	43,596	46,350	26,450	22,253	17,952	156,601
Tot. Supply	109,636	81,048	54,286	54,963	55,297	355,230
H. Fk. diversions	30,727	23,732	19,549	18,051	11,350	103,409
Teton diversions	25,184	33,955	24,460	18,782	14,194	116,575
Rexburg	62,285	45,837	29,094	33,773	40,890	211,879
Tot. acct. for	118,196	103,524	73,103	70,606	66,434	431,863
Tot. gain s.f.	8,560	22,476	18,817	15,643	11,137	76,633
Mean gain s.f.	276	749	607	505	371	501
Tot. gain ac. ft.	16,979	44,580	37,323	31,028	22,090	152,000

The canals in this section were a little slower than usual in the spring getting the "sub" built up and as a result the gain during May

and June was considerably less than it was in 1940. From July through sept., however, the gain was greater than a year ago, but the total gain during the 5 months period was 4,000 acre-ft. less than in 1940. The seasonal gain was about 20% of the diversions by upstream canals whose waste water and return flow is tributary to this section of the river. The Teton River canals diverted all the water in that stream from July 12 to Aug. 11, but during the balance of the period water was spilling from Teton River into Henrys Fork.

Gain in Island Park Reservoir

Since the storage of water began in Island Park Reservoir it has been apparent that a substantial amount of water has been stored underground in the area adjoining the reservoir. This is evidenced by the boggy condition and rise of the water table around the reservoir and is especially noticeable along the highway and Buffalo River in the vicinity of Ponds Lodge. Throughout the Island Park area the soil is porous and is underlain by porous lavas and ash deposits, so that the water from melting snows and rains sink in large part to the underlying water table and then drains out later in the form of springs further downstream. This same condition exists in the vicinity of the reservoir and as storage accumulates in the reservoir itself an additional amount of water is also stored in the porous rocks around the reservoir area. This drains out as the water is lowered in the reservoir during the late summer.

It is easy from superficial observation, however, to overestimate the quantity of water stored in the ground under such circumstances, not realizing that drainage of water from the rocks yields over short time periods a volume only equal to about 10% of the total volume of the rocks in which the water is stored.

during 1939 and 1940, the first two years of reservoir operation, detailed records of inflow and outflow were kept and were tabulated in the 1940 report. From the discussion of these records in that report it appears that no permanent loss of water occurred to the stream from this underground storage and that during a series of years all of such water would drain out and be available to the stream. The time of year when the water appears as stream flow is, however, changed by this action and this should be considered in its effect upon the supply for various rights. In 1939 the records showed no net gain from the reservoir until August. From Aug. 1 to Sept. 10, 1939, there was a net gain from bank storage return of 6,090 acre-ft., which is 8% of the storage drawn from the reservoir by Sept. 10. In 1940 the records showed a net gain beginning in July. From July 1 to Sept. 10, 1940, there was a net gain of 12,240 acre-ft. from bank storage return which is 11% of storage withdrawn by Sept. 10. Gains from bank storage return after Sept. 10 are disregarded as being too late in the season for important crop production.

It would appear, therefore, that this reservoir could be equitably and conservatively credited each year with a storage supply of 8% of the drawdown by Sept. 10, in addition to the amount actually available in the open water space in the reservoir.

As shown, however, by the analysis of the records above referred to in the 1940 report, the reservoir creates a loss during the spring months of 2,000 acre-ft. per month, which would have to be applied as an offset against any credit for bank storage return.

It would be possible, therefore, to segregate the flow at Island Park Reservoir by giving the Reservoir a credit for bank storage equal

to 8% of the estimated drawdown to Sept. 10 and then charge to the reservoir 2,000 acre-ft. per month for loss from the time regulation began in the spring until storage draft started from the reservoir. The 8% credit would be secured by considering that amount to be stored water at the reservoir outlet, from bank storage return during the drawdown period.

If American Falls filled in any given year any net storage supply (8% credit less charge of 2,000 acre-ft. per month during the spring) would accrue to the Fremont-Madison District. If American Falls did not fill and had to call on the Island Park Reservoir for water adversely stored therein the credit would belong to American Falls Reservoir, as the underground storage would represent water that would have flowed down to that Reservoir if Island Park dam had not been built. At present the reservoir is operated by charging a loss in the spring after regulation begins and recovering the same amount from bank storage return during the reservoir drawdown later in the season.

REGULATION IN TETON BASIN

Regulation in Teton Basin was under the direction of Oleen Dummer, who worked from May 26 to Aug. 31. The following amounts of water in acre-ft. (measured in Island Park Reservoir) were rented by Teton Basin Canals during 1941: Trail Creek Irr. Co. 2,809; String Canal Co. 1,170; Grand Teton Canal 827; So. Leigh Creek 838; No. Leigh and Spring Creek 113; Darby Creek 47; Fox Creek 16; Swamps 16; Total 5,836 acre-ft.

This water was rented at 60¢ per acre-ft. reservoir meast. until the rains early in August made it evident that substantial reservoir

holdovers would exist, after which water was offered for rent from various sources at 35¢ per acre-ft.

On the basis of allocating to downstream users 1/2 of the quantities diverted in Teton basin and allowing for 2.5% river loss and 10% loss in Cross Cut Canal the Teton basin users were able to divert 1-3/4 acre-ft. for each acre-ft. rented in the reservoir. This resulted in a cost to them for the rented water of 34.3¢ per acre-ft. at point of diversion. Due to heavy rains there was no demand for stored water in Teton basin after the middle of August and regulation there was entirely discontinued on Sept. 1.

The waters of Teton and So. Leigh Creeks were regulated jointly by Mr. Matthew for Wyoming and Mr. Dummer for Idaho under the terms of a decree dated Feb. 6, 1941, of the U. S. District Court for Wyoming embodying substantially the same terms as the stipulation under which these streams were regulated in 1940.

After the discharge of various streams in Teton basin had dropped so low that their flow, if all turned down, would no longer reach Teton River, the available supply was delivered to the creek users according to their priorities without regard for priorities at downstream points. This condition never occurs on Trail Creek and as a result the users on that stream rented about 2/3 of all storage rented in Teton basin in 1941.

During the latter part of the summer some water from the swamp creeks northwest of Driggs was permitted to flow through the Cache Canal and thence to Teton River to furnish stock water and help hold the "sub" under that canal.

Discharge records on various streams in Teton basin are shown on plate 23. Other miscellaneous measurements made in this area are as follows:

TRAIL CREEK LOSS MEASUREMENTS

Aug. 28, 1941

1. Supply.		
a. Trail and Moose Creek above String Canal		57.2 sec.-ft.
b. Game Creek		15.0 "
	Total supply	<u>72.2</u> "
2. Diversions:		
a. String Canal	10.0 sec.-ft.	
b. Trail Creek Irr. Canals	27.7 "	
c. Trail Creek below Tonks Canal	<u>32.7</u> "	
	Total acct. for to here	70.4 "
3. Loss from String Canal to Tonks Canal		1.8 sec.-ft.
4. Trail Creek at live water		8.1 "
5. Loss from Tonks Canal to live water		24.6 "
6. Total loss from String Canal to live water.		26.4 "

LOSS MEASUREMENT ON DARBY CREEK

Aug. 26, 1941

Darby Creek at Forest Service Bridge		22.05 sec.-ft.
South side spring (100 yds. below bridge)		.40 "
Leaks from F. Winger Ditch (est)		.50 "
	Total supply	22.95 "

Diversions:

1. Floyd Winger Ditch	1.35 sec.-ft.
2. Todd Canal (remainder of Creek flow)	20.65 "
	Total Diverted
	22.00 "

LOSS from Forest Service B ridge to Todd Canal 0.95 sec.-ft.

Note: These measurements followed 18 consecutive days of rainy weather.

Miscellaneous measts. of Darby Creek diversions

<u>#1 Cherry Grove Canal at head</u>		
<u>Date</u>	<u>Gage</u>	<u>Discharge in Sec.-ft.</u>
June 23	4.46	23.2
July 7	4.21	10.9
<u>Hill Canal at Bridge</u>		
June 23	--	45.1
June 24	1.65	28.7
July 7	1.32	12.1
<u>Cannon Canal at head</u>		
June 23	--	48.7
July 7	1.56	23.4
<u>Todd Canal below Spillway</u>		
June 23	2.00	63.0
July 7	1.52	40.4
<u>Teton Creek above all diversions 4½ miles E. of Wyo. line.</u>		
July 12	1.26	133
<u>Central Canal at head</u>		
June 25	2.64	37.3
<u>Price-Fairbanks Canal</u>		
June 25	--	11.5
<u>Cache Canal below last swamp creek inflow</u>		
Aug. 9	--	4.5

Discharge of West Side Creeks in Sec.-ft.
(above diversions unless otherwise stated)

<u>Creek</u>		June 5	July 18	
Packsaddle Creek		26.8	3.7	
Mahogany Creek	May 28	May 31	July 28	Aug. 8
	27.3	21.3	4.6	3.8
Horseshoe Creek		May 26	July 18	
		25.7	4.7	
Horseshoe Diversions		May 26		
L. Burton ditch		7.6)		
Kay ditch		4.8)		Loss in Creek 2.9 sec.-ft.
Gilbert ditch		7.9)		Raining at time of measts.
Martin ditch		2.5)		
		June 6	Aug. 8	
Warm Creek at highway)		10.7	4.1	
Bridge S.W. of Victor)				
Dude Creek at Mrs. Giffords		0.24	--	
Paradise Creek at				
Millers Pond		1.8	1.7	
Boquet Creek		1.3	1.2	
Creek N. of Grove Creek		0.12	--	
Grove Creek		0.67	0.90	
Patterson Creek		2.05	1.30	
Warm Springs Creek, upper				
and lower streams		1.10	1.50	
Drake Springs below house		0.76	1.13	
Johns Creek		3.0	0.9	
Deep Creek		0.33	--	
Little Pine Creek		5.2	0.75	

SUMMARY of regulations of the water of Teton Creek between Idaho and Wyoming users in accordance with the 1941 Court decree. Made by L. Y. Mathews of Wyoming and Oleen Dummer of Idaho, deputy watermasters.

	July							
	<u>13</u>	<u>15</u>	<u>18</u>	<u>22</u>	<u>25</u>	<u>29</u>		
Grand Teton Canal								
Before Regulation	76.0	102.	73.8	61.5	32.6	30.4		
After Regulation	106.	106.	74.8	48.6	40.9	32.4		
Brown-Clement-Pratt Canal								
Before Regulation	12.4	12.5	13.9	18.3	16.9	13.5		
After Regulation	12.4	12.5	13.9	21.0	13.4	10.4		
Southside Canal								
Before Regulation	19.1	18.5	18.5	16.5	19.0	11.5		
After Regulation	12.5	23.0	23.0	23.0	17.2	13.2		
Rigby Canal								
Before Regulation	16.0	9.0	12.2	5.6	6.5	4.0		
After regulation	7.7	7.7	7.7	7.7	5.4	4.1		
Wadell Canal								
Before Regulation	16.6	9.5	9.5	5.1	6.9	4.5		
After Regulation	7.2	9.5	9.5	7.2	5.0	3.8		
	August							
	<u>1</u>	<u>5</u>	<u>8</u>	<u>12</u>	<u>15</u>	<u>19</u>	<u>22</u>	<u>26</u>
Grand Teton Canal								
Before Regulation	27.0	21.4	21.0	49.0	30.5	36.0	33.0	24.4
After Regulation	27.0	23.8	21.0	46.0	30.2	35.7	33.0	26.9
Brown-Clement-Pratt Canal								
Before Regulation	8.7	8.5	7.4	22.5	4.1	14.6	8.0	7.0
After Regulation	8.7	8.5	7.4	16.4	8.2	14.2	8.0	5.5
Southside Canal								
Before Regulation	11.4	10.5	8.5	13.5	15.2	11.5	12.9	12.2
After Regulation	11.4	9.5	8.5	18.0	12.0	10.5	12.9	11.0
Rigby Canal								
Before Regulation	3.5	3.4	2.3	2.7	5.7	5.9	7.2	6.6
After Regulation	3.5	2.4	2.3	6.5	5.7	7.6	7.2	6.6
Wadell Canal								
Before Regulation	3.3	3.2	2.7	5.3	5.3	5.6	5.3	4.6
After Regulation	3.3	2.8	2.7	6.0	5.3	5.6	5.3	4.6
City of Driggs	1.0		1.0	1.0	1.0	1.0	1.0	1.0

DISTRIBUTION IN SWAN VALLEY SECTION

Mr. F. S. Thomas of Irwin was appointed as Deputy Watermaster in this section. Waterusers purchased 1,120 acre-ft. from the Pool and were allowed to divert twice that quantity from the various creeks on the assumption that half of the water so diverted would return to the river within a short period due to the gravelly formation and short distance for the ground water to travel. Miscellaneous measurements on several streams in that section are shown on Plate 23. There was but little need for regulation in Swan Valley after Aug. 10 due to rains.

Precipitation in Inches

(Actual and Normal for year ending Sept. 30, 1941)

Month	Snake R.		Moran, Wyo.		Afton, Wyo.		Bechler, Wyo.		Irwin, Ida.	
	Act.	Nor.	Act.	Nor.	Act.	Nor.	Act.	Nor.	Act.	Nor.
Oct. 1940	2.11	2.10	2.18	1.58	4.16	1.64	3.90	2.92	1.84	1.22
Nov.	3.64	2.04	1.67	1.69	1.47	1.88	4.98	2.95	1.06	1.00
Dec.	2.42	2.66	1.54	1.76	1.23	1.30	4.06	4.14	.96	1.17
Jan. 1941	2.52	3.68	1.49	2.46	0.65	1.37	5.76	5.54	1.08	1.50
Feb.	2.41	2.98	1.62	2.20	1.18	1.23	2.98	3.67	1.83	1.12
Mar.	1.09	3.61	0.71	2.56	0.40	1.62	1.77	4.90	.27	1.32
Apr.	1.86	1.96	1.27	1.60	2.97	1.58	*4.50	3.00	2.56	.86
May	4.49	2.40	2.84	1.98	2.94	2.12	*4.10	3.42	2.34	1.66
June	2.57	2.19	1.93	1.57	2.88	1.48	2.50	3.46	3.79	1.38
July	2.39	1.52	2.61	1.12	1.27	1.03	0.99	2.32	1.88	.93
Aug.	5.42	1.48	5.14	1.34	3.35	1.32	3.41	1.31	3.13	.98
Sept.	2.68	1.78	1.55	1.61	2.12	1.52	2.14	1.68	1.01	1.24
Year	33.60	28.40	24.55	21.47	24.62	18.09	41.09	39.31	21.75	14.38

Month	Ashton		Idaho Falls		Pocatello		Twin Falls		Mean 9 Stas.	
	Act.	Nor.	Act.	Nor.	Act.	Nor.	Act.	Nor.	Act.	Nor.
Oct. 1940	2.60	1.20	1.09	1.06	1.64	1.16	0.49	0.90	2.22	1.53
Nov.	1.90	1.19	0.38	.61	.71	.89	.96	1.08	1.87	1.48
Dec.	1.76	1.56	0.83	.97	1.64	1.21	.68	.89	1.68	1.74
Jan. 1941	1.78	1.82	.62	1.10	.62	1.39	.85	1.09	1.71	2.22
Feb.	1.39	1.29	.79	1.03	1.32	1.31	.74	.91	1.59	1.75
Mar.	0.55	1.14	.91	.86	.93	1.31	.30	.98	.77	2.03
Apr.	1.88	1.18	1.46	.89	2.26	1.60	1.59	.98	2.26	1.52
May	1.90	1.97	1.23	1.37	1.78	1.51	.88	.99	2.50	1.94
June	1.92	1.44	.68	1.10	.93	1.05	1.42	.68	2.07	1.59
July	.99	.93	.76	.61	1.01	.85	.59	.37	1.39	1.07
Aug.	1.69	.70	1.44	.61	1.43	.64	.43	.21	2.83	.95
Sept.	1.10	1.16	.90	.81	.76	.93	.54	.55	1.42	1.25
Year	19.46	15.58	11.09	11.02	15.03	13.85	9.47	9.63	22.31	19.0

* estimated.

The precipitation for the 12 months was above normal at all stations except Twin Falls where it was only slightly below normal. The surplus above normal, however, all occurred during the spring and summer months and probably was largely retained on the watershed or evaporated and transpired by vegetation. The precipitation Nov. to March, inclusive, which falls as snow on the headwaters was below normal although apparently not enough so to account for the shortage in river runoff as compared to precipitation. It appears likely that part of the 1941 precipitation was absorbed in rebuilding ground water levels on the watershed and had not yet appeared as runoff by the end of Sept. This idea is substantiated by the fact that during the fall of 1941 the stream flow at Heise, for illustration, was running about 20 to 25% in excess of the flow a year previous.

EXPENDITURES DURING YEAR ENDING DEC. 31, 1941Engineers & Hydrographers

Lynn Crandall	Salary 1 year	\$4999.92
W. V. Iorns	" "	2586.60
Melvin Luke	" 4.50 mos. @ \$190	855.00
Ival Goslin	" 4.54 mos. @ \$155	703.50
F. W. Tolles	" 3.23 mos. @ \$155	501.17
Oleen Dummer	" 3.17 mos. @ \$155	490.83
Robt. W. Ferebauer	" 1.40 mos. @ \$150	210.00
L. T. Burdick	" 6.5 days @ \$8	52.00

Clerks

Effie C. Jones	Salary 1 year	1680.00
Charlotte M. Elg	" 7.5 days	33.75

River Riders:

D. W. Archibald	117 days @ \$6 incl. mileage	702.00
D. R. Crystal	131 days @ \$5.50 " "	720.50
A. C. Kelly	58 days @ \$5.50 " "	319.00
Eugene Liljenquist	131 days @ \$5.00 " "	655.00
H. M. B ramwell	131 days @ \$5.50 " "	720.50
F. S. Thomas	69 days @ \$5.00 " "	345.00
Joe Bohi	63 days @ \$5.00 " "	315.00
Walter C. Lenz	3.31 mos. @ \$40.00 " "	132.51
Seth Hansen	38.5 hrs. @ \$0.65 " "	25.00
James Ingram	47 hrs. @ \$0.80 " "	37.60

Miscellaneous

Transportation, 4,814 miles @ 5¢ a mile;	1852.54
40,296 miles @ 4¢ a mile.	395.70
Telephone & Telegraph	1382.30
Supplies and equipment	631.83
Gage readers	202.48
Construction and repairs	84.82
Bond premium and Insurance	254.20
Miscellaneous	

Total

20,888.75

Expenditures from various funds

Normal Flow users	\$ 952.43
General charge to water users after April 1.	9568.43
Jackson Lake & American Falls Storage	626.05
Storage Sales account	304.89
Henry's Lake storage users	8.25
Twin Lakes storage users	.64
State of Idaho stream gaging fund	2980.00
U. S. Geological Survey	<u>6448.06</u>
Total	\$20,888.75

In addition to the foregoing, upper valley members of the Committee of Nine were paid \$164.00 for services at \$5 per day and expenses, which were pro-rated among upper valley canals.

Funds on hand Jan. 1, 1942

District #36 Water distribution fund	\$10,521.04
State of Idaho Stream Gaging fund	321.68
U. S. Geological Survey	<u>3,048.28</u>
Total	\$13,891.00

MAP SHOWING PRINCIPAL STREAMS
AND GAGING STATIONS

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

0 10 20 30
SCALE IN MILES

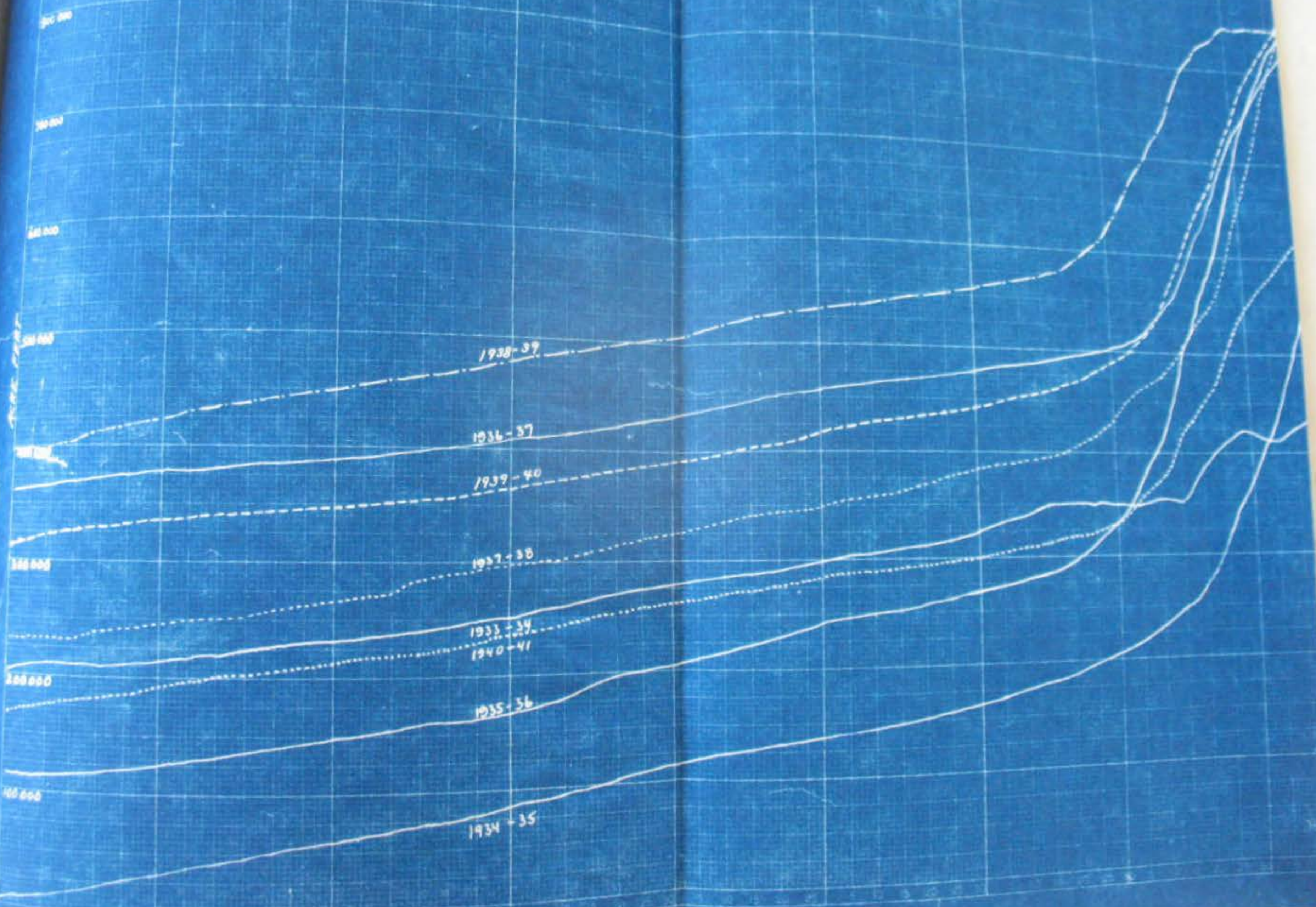
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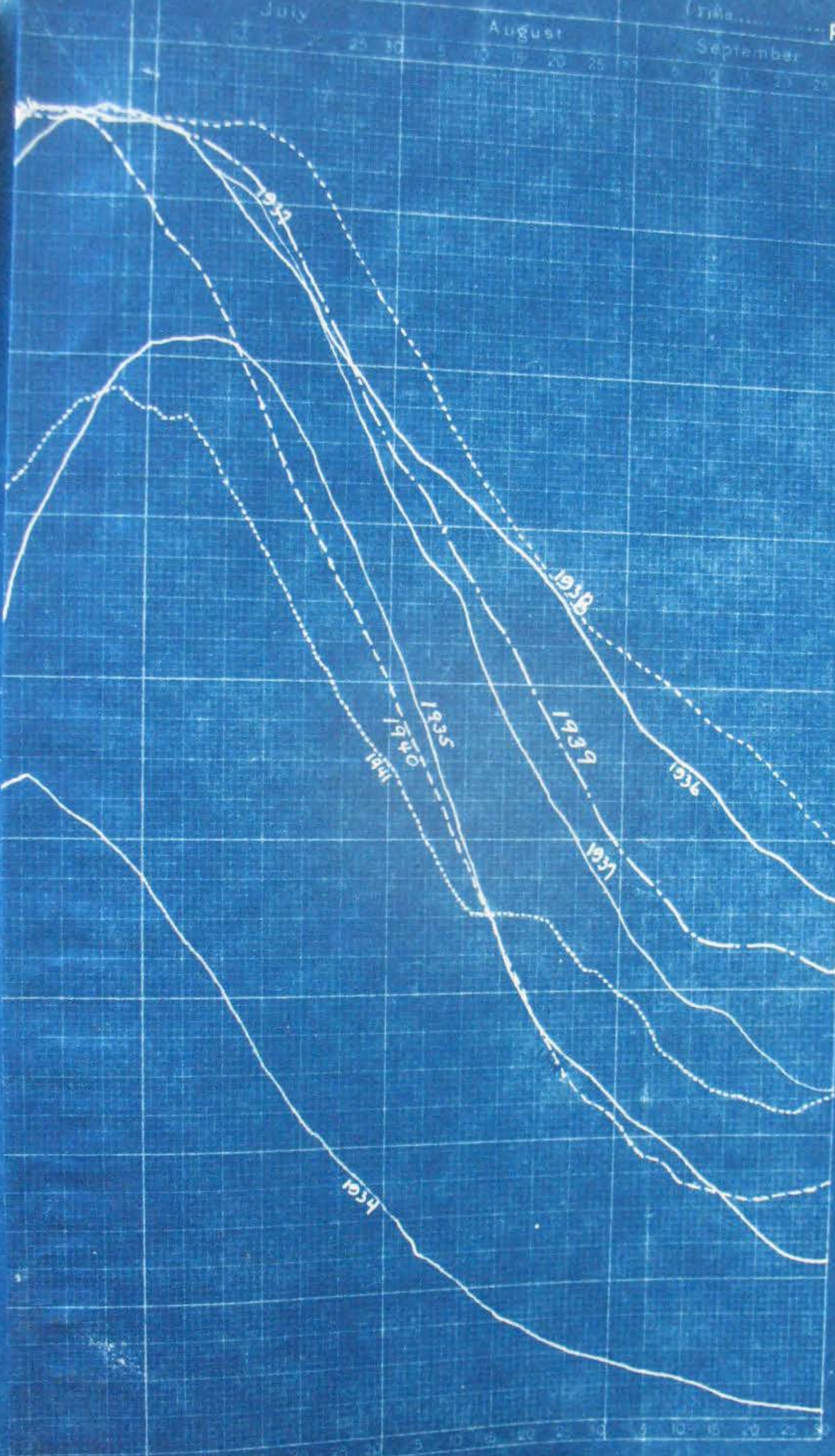


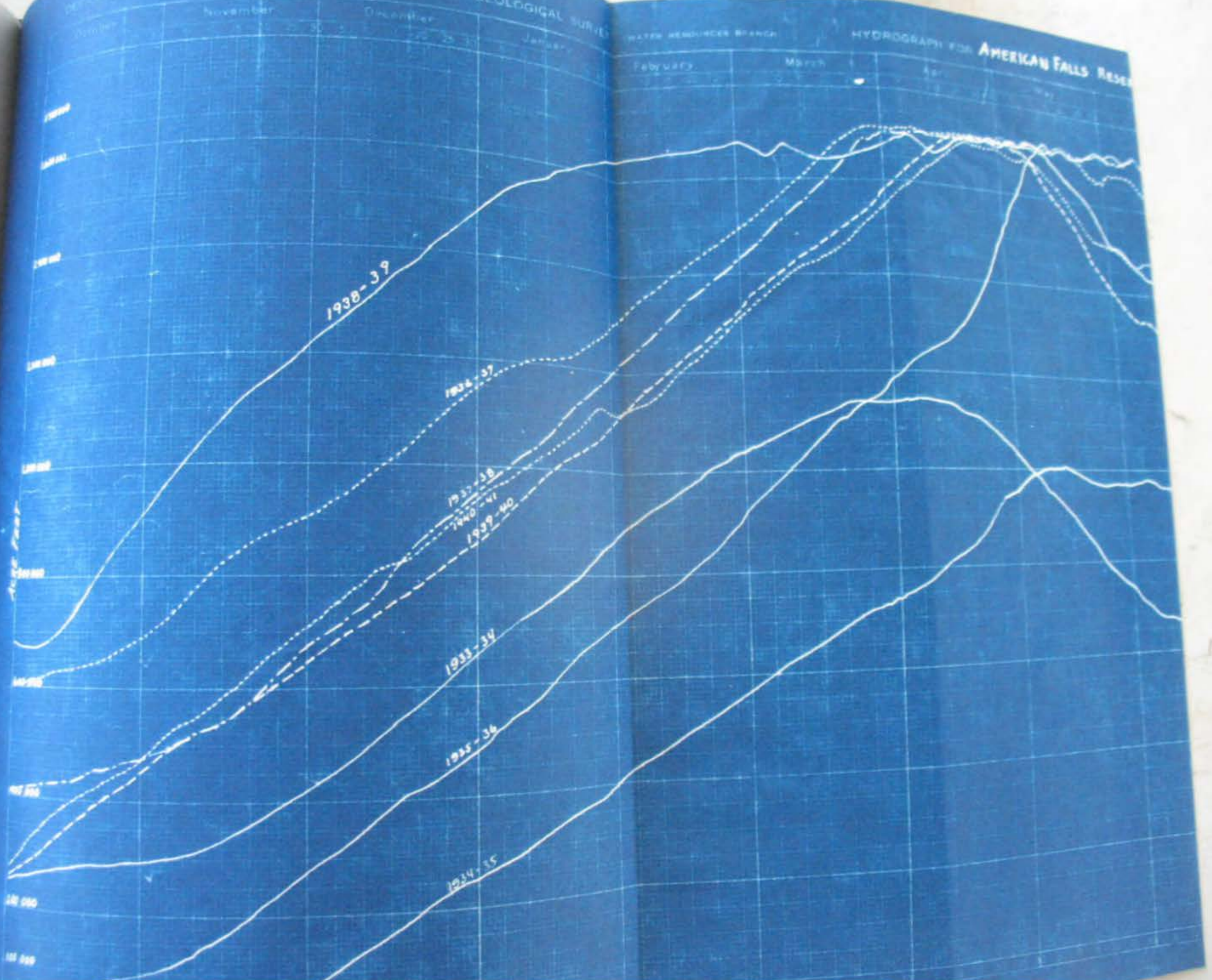
October November December January

February March April

900 000
800 000
700 000
600 000
500 000
400 000
300 000
200 000
100 000









VOIR Beginning Oct. 1, 1933

File No. Washington

Time
September
August
July

August

July

September

August

July

June

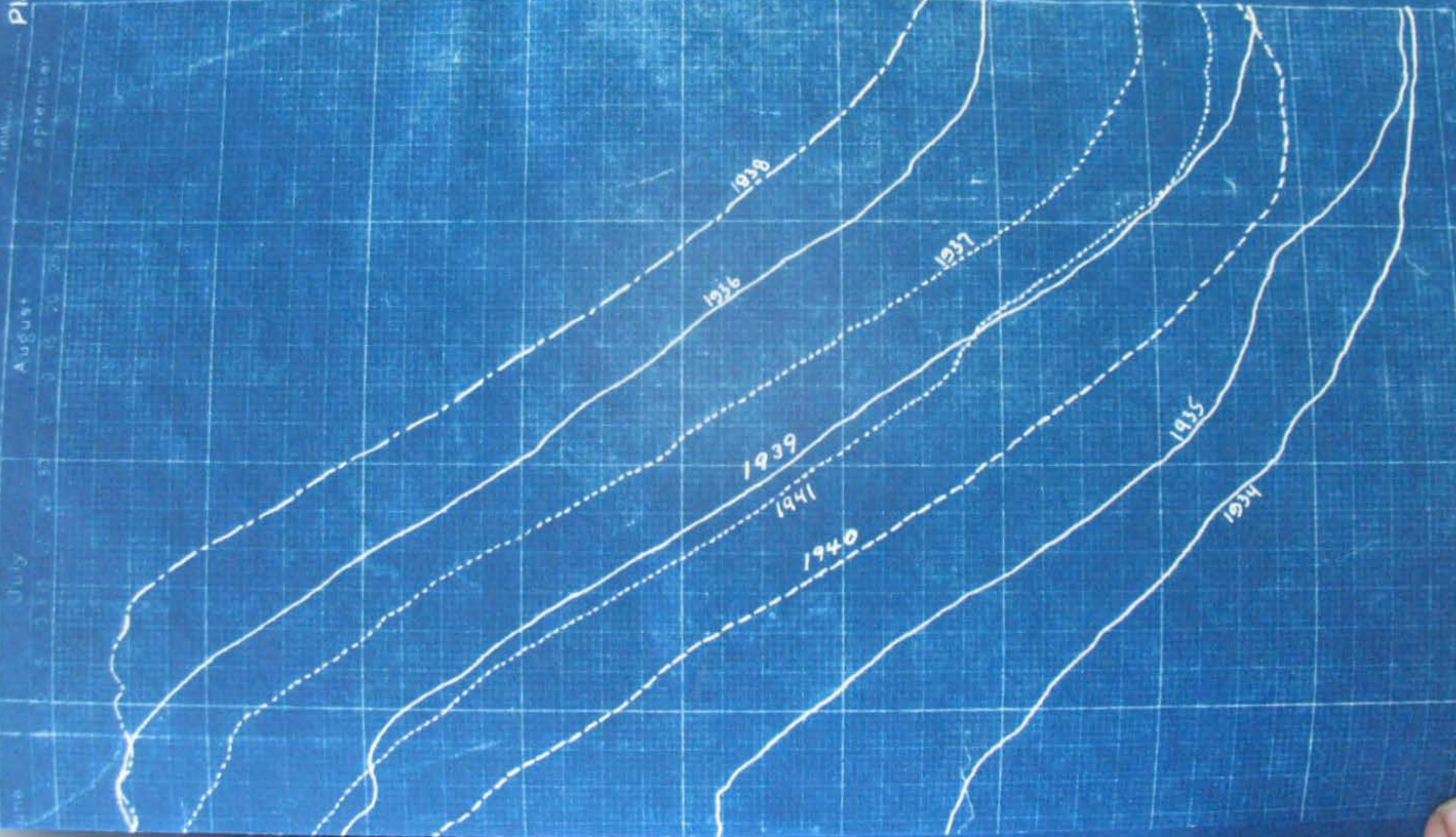
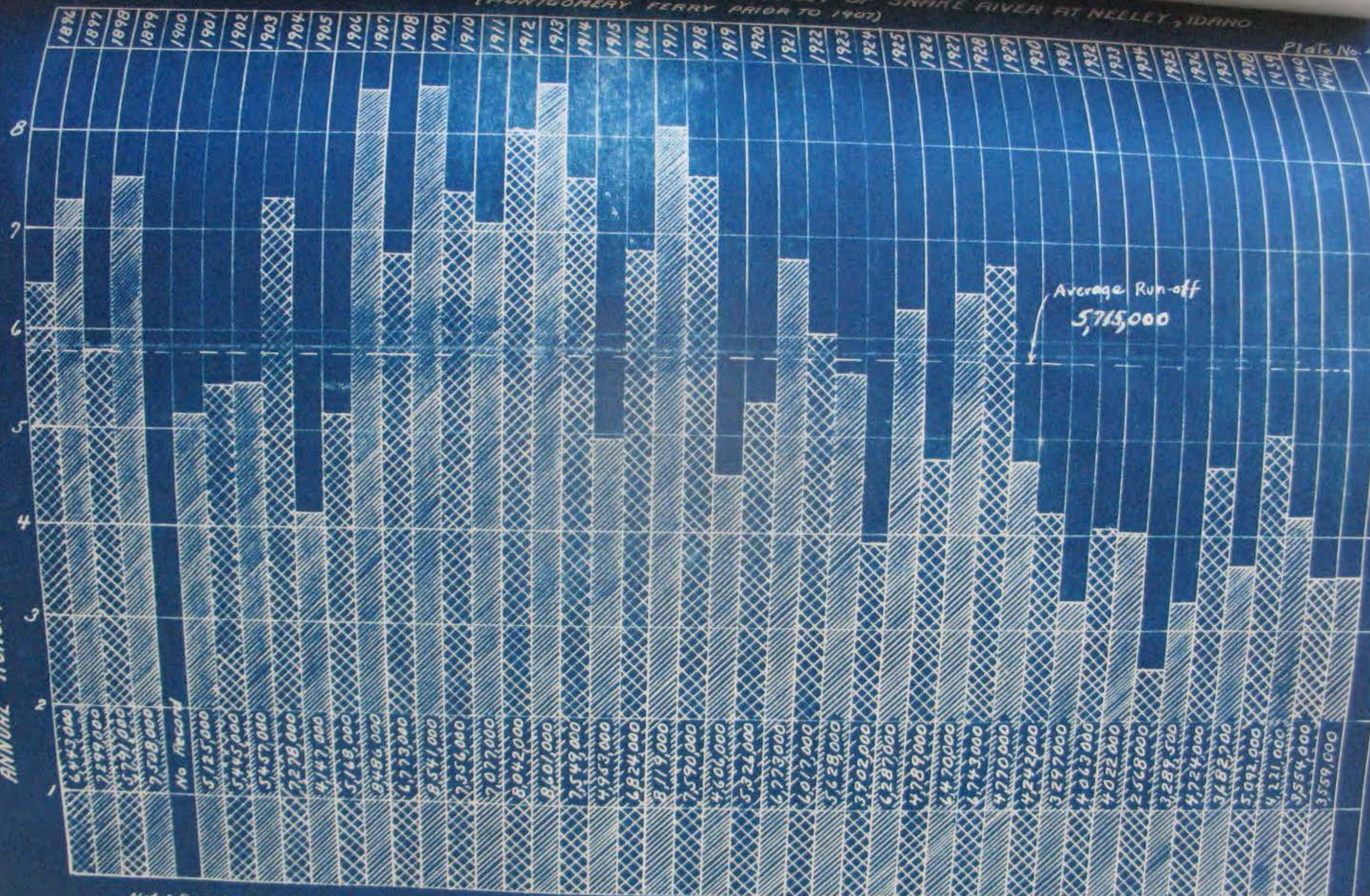


Plate No. 3

DIAGRAM SHOWING TOTAL ANNUAL RUNOFF IN ACRE-FEET OF SNAKE RIVER AT NELLETT, IDAHO
 (MONTGOMERY FERRY PRIOR TO 1907)

Plate No. 4

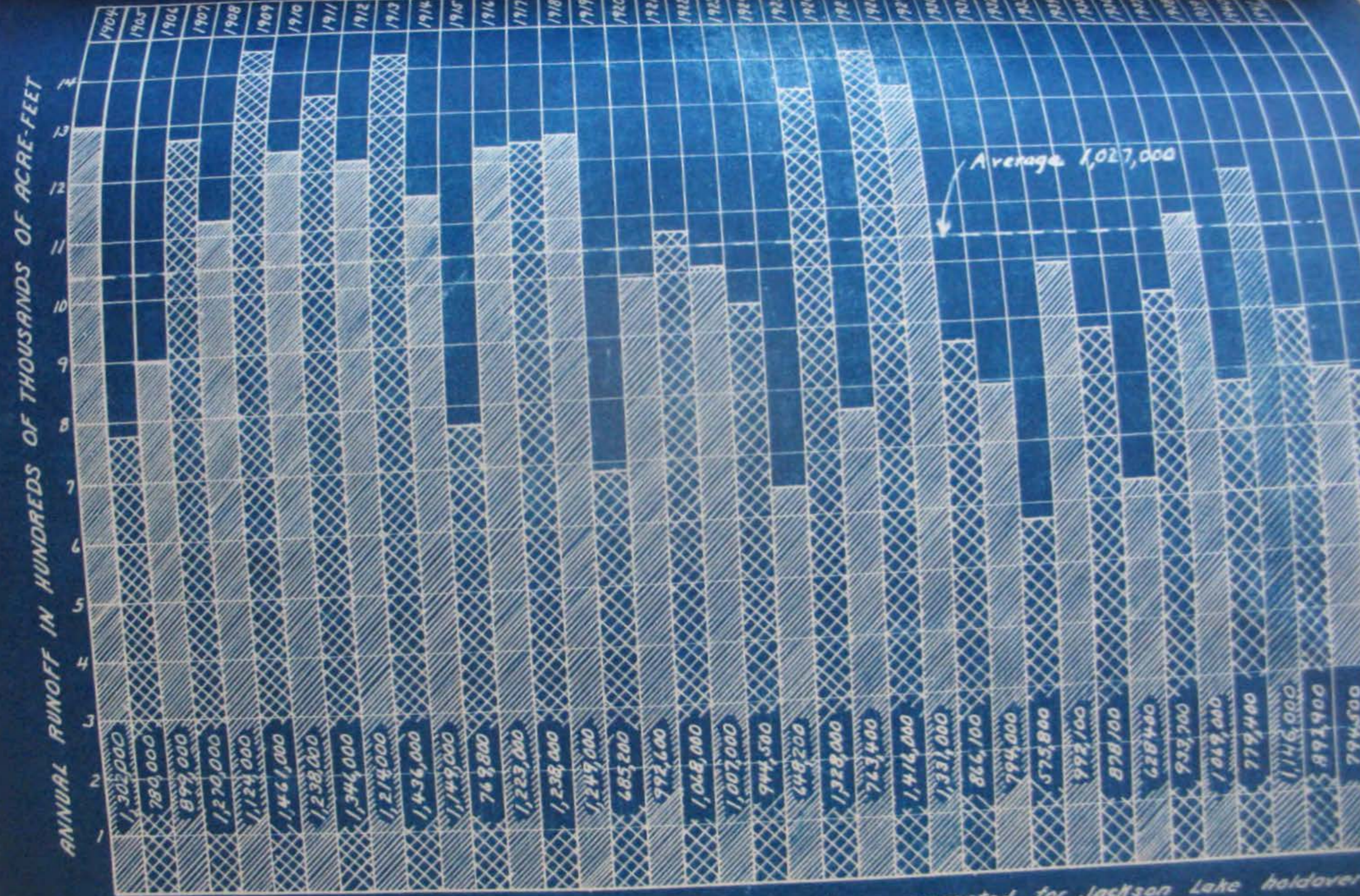
ANNUAL RUNOFF IN MILLIONS OF ACRE- FEET



Average Run-off
5,715,000

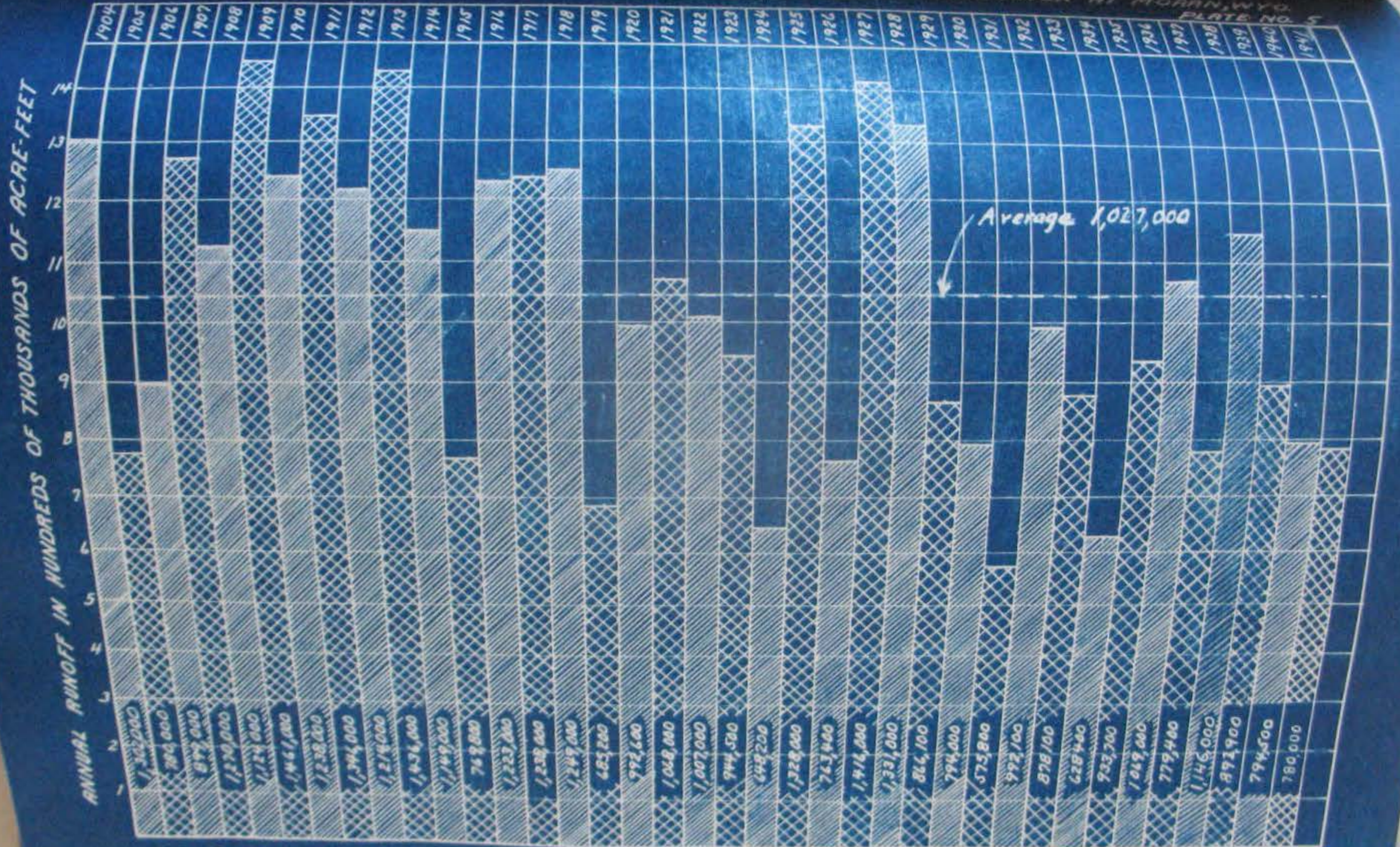
Note: Runoff totals are for water year ending Sept. 30 and are corrected for American Falls Reservoir Holdovers.

DIAGRAM SHOWING TOTAL ANNUAL RUNOFF IN ACRE-FEET OF SNAKE RIVER AT MURRAY, WYO. PLATE NO. 5



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

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 holdovers.

DAILY DISCHARGE IN SEC-FT OF SNAKE RIVER CANALS FOR MAY 1941

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL		
RILEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ANDERSON	5	5	8	8	8	58	58	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		
EAGLE ROCK	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		
FARMERS FRIEND	40	40	40	40	30	30	30	30	30	30	30	30	180	200	300	300	320	350	350	350	342	355	345	350	350	350	350	350	350	350	350			
ENTERPRISE	40	40	40	35	32	32	32	32	32	40	40	40	100	140	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189			
NELSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
MATTSON & CRAIG	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10	17	18	19	19	19	10	9	8	12	12	13	8	7	3	0	0	0		
BARNSBERGER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
BUTLER ISLAND	0	0	0	0	0	0	14	14	14	14	14	14	14	25	40	50	50	50	50	50	50	52	52	50	50	50	50	42	40	45	44	43		
ROSS & RAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	3	5	4	4	4	4	3	4	3	2	1	2	2		
STEELE	0	0	0	0	0	0	0	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		
HARRISON	154	154	154	154	0	0	0	0	0	0	0	407	496	520	536	556	530	460	460	416	407	459	460	460	466	301	40	20	20	142	249	802		
CHENEY	0	0	0	0	0	0	0	2	2	2	2	2	2	2	8	8	8	8	8	8	8	8	8	8	8	6	6	5	4	6	5	133		
BOOMER	0	0	0	0	25	25	25	25	25	53	73	150	164	178	178	209	213	172	155	153	159	155	164	143	143	141	129	8	96	84	80	3125		
RUDY	0	0	0	0	10	10	10	10	10	10	10	10	43	52	52	57	64	65	63	53	44	41	59	55	54	54	24	20	20	20	20	930		
KITE & NORD	0	0	0	0	0	0	0	1	1	1	1	1	3	5	7	7	7	7	8	8	7	9	8	8	7	7	0	0	0	0	0	103		
BURGESS	123	123	203	218	233	247	260	284	309	567	461	661	782	799	817	835	879	791	791	791	801	793	793	802	802	793	620	590	565	549	537	17819		
CLARK & EDWARDS	0	0	0	0	0	0	0	40	42	42	42	42	50	70	70	80	80	81	81	81	81	81	81	81	71	71	71	67	63	66	70	70	1593	
LOWDER	0	0	0	0	0	0	0	7	7	7	7	7	10	20	28	28	28	28	22	31	35	36	38	40	50	50	38	44	36	18	16	631		
JENNINGS	0	0	0	0	0	0	0	0	0	0	0	0	6	7	7	7	7	7	7	7	7	6	6	0	1	1	0	0	0	0	0	0	69	
EAST LABELLE	0	0	0	0	0	0	0	40	43	43	43	43	43	43	80	110	110	111	121	119	119	119	121	124	110	122	108	100	101	113	109	2195		
SUNNYDELL	3	3	3	3	3	55	55	55	55	55	55	55	71	71	80	88	88	68	73	89	87	134	142	155	157	132	114	115	114	110	107	2380		
LENROOT	0	0	0	0	0	0	58	59	61	61	105	103	151	153	145	133	127	163	151	139	163	139	161	122	104	70	64	63	61	58	58	2614		
REID	73	70	72	72	72	73	69	67	65	72	73	75	115	148	146	142	142	132	132	125	132	136	150	150	143	149	121	110	101	85	89	3301		
TEXAS FEEDER	138	141	141	141	141	107	107	110	110	110	107	93	159	159	159	155	191	230	243	188	187	243	230	276	279	238	279	276	279	279	279	5765		
NELSON COREY	4	4	4	4	3	3	3	2	2	2	2	2	1	1	1	1	1	1	4	3	3	3	3	3	3	4	4	3	3	3	3	83		
HILL PETTINGER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
RIGBY	0	0	0	0	0	0	70	70	71	71	71	75	100	155	166	166	166	171	170	165	165	165	165	160	137	138	10	10	107	125	114	2983		
ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	100	133	128	130	154	164	175	154	160	151	141	130	153	161	2484
DILTS	0	0	0	0	0	0	0	11	11	11	11	11	16	22	22	22	22	22	22	22	28	25	29	30	30	24	23	20	17	13	22	4	468	
W. LABELLE & L. ISLAND	5	5	5	5	5	10	19	19	19	19	19	150	150	150	244	336	340	366	360	408	472	500	459	459	513	421	392	382	418	413	7068			
PARKS & LEWISVILLE	0	0	0	0	0	0	0	0	0	153	147	237	247	221	228	230	232	235	237	191	241	277	355	355	355	248	317	263	241	182	273	273	5784	
NORTH RIGBY	0	0	0	0	0	0	0	0	0	0	0	0	20	40	46	46	46	46	46	46	46	50	50	50	44	45	4	4	4	4	4	4	865	
WHITE	0	0	0	0	0	0	0	12	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82
ELLIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
BRAMWELL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	115
BUTTE & MKT. LAKE	0	0	29	28	27	26	26	78	95	147	141	172	204	236	252	252	295	309	316	295	308	334	362	338	354	313	302	292	276	240	240	6299		
OSGOOD	0	0	0	0	0	0	0	0	0	0	0	0	25	40	75	90	90	102	101	99	102	112	110	115	111	0	110	110	101	98	99	1690		
BEAR ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
SMITH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
KENNEDY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
IDAHO	214	232	236	236	236	236	236	277	277	321	321	486	657	762	762	762	917	963	977	994	991	963	1000	994	1000	756	541	527	672	672	672	18790		
GREAT WESTERN	123	129	142	142	150	156	164	169	174	194	242	260	314	389	414	414	420	434	436	428	404	410	416	420	420	382	408	421	421	415	409	9820		
PORTER	62	62	95	111	111	125	125	128	126	132	187	187	199	215	215	215	215	217	207	217	207	207	207	197	197	161	197	197	170	166	5266			
COY & KELLER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
WOODVILLE	16	16	16	17	18	20	22	24	30	27	27	32	40	45	54	60	67	63	68	68	68	68	63	63	68	63	63	45	40	42	42	40	1327	
SNAKE RIVER VALLEY	83	85	83	86	87	87	132	186	197	198	197	195	275	422	471	523	542	518	529	542	560	567	634	611	552	348	325	378	386	324	278	10406		
TOTAL HEISE TO SHELLEY	1894	1120	1102	1311	1192	1306	1459	1834	2013	2537	2573	3643	4796	5707	6038	6366	7077	7033	7008	7046	7350	7401	7973	8043	7624	6755	5588	5142	5168	5207	5212	143460		
RESERVATION	0	0	0	0	0	0	36	99	145	274	471	582	623	640	635	610	583	583	602	646	589	535	514	548	684	557	147	352	338	135	130	11128		
BLACKFOOT	4	5	90	90	181	190	228	258	95	302	325	344	370	346	382	356	351	337	315	342	365	321	305	344	369	128	134	295	276	272	238	7960		
NEW LAVA SIDE	21	22	21	26	23	24	34	34	42	58	73	132	147	156	179	172	168	148	144	12														

	7	20	21	28	29	30	31	SEP	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
E	309	310	311	322	323	323	323	323	323	323	324	325	31	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	
B	416	443	443	460	460	460	461	461	461	461	461	461	469	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	
C	112	110	110	117	116	116	116	116	116	116	116	116	121	122	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	
I	7	5	5	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	
F	25	25	25	26	26	26	26	26	26	26	26	26	8	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
V	56	51	51	52	51	51	51	51	51	51	51	51	55	57	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
I	14	14	14	14	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
I	26	25	25	26	26	26	26	26	26	26	26	26	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
I	6	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
I	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
F	129	76	81	107	110	114	113	108	108	105	101	109	100	105	118	116	113	107	104	104																		
C	6	2	2	3	3	3	3	3	3	3	3	3	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
C	25	32	32	37	37	37	37	37	37	37	37	37	39	40	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
L	49	47	47	51	50	50	50	50	49	50	50	55	60	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
I	5	2	2	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
I	7	5	5	5	5	5	5	5	5	5	5	5	8	10	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
C	3	2	2	2	2	2	2	2	2	2	2	2	2	5	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
I	27	16	16	12	12	12	16	13	20	18	16	12	12	43	41	34	32	36	41	42																		
I	16	4	4	6	6	6	6	6	6	6	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	
I	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
C	4	0	0	0	0	0	1	7	6	4	0	0	36	29	22	20	24	29	30																			
I	36	33	33	35	35	35	35	35	35	35	35	35	30	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	
I	1	1	1	2	2	2	2	2	2	2	2	2	3	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
I	7	2	2	5	5	5	5	5	5	5	5	5	6	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
I	21	21	21	17	17	17	17	17	17	17	17	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
I	1317	1258	126	1345	1348	1352	1356	1349	1361	1357	1350	1348	1423	1518	1522	1506	1499	1501	1508	1510																		
C	310	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	
I	627	2558	2558	2645	2648	2652	2656	2649	2661	2657	2650	2648	2763	2858	2862	2846	2839	2841	2848	2850																		
TOTAL SEPT.																												81,485										
ST 81,780																																						

DAILY DISCHARGE IN SEC-FEET OF SNAKE RIVER CANAL FOR JUNE 1951

Table with columns for NAME OF CANAL and 30 numbered columns for daily discharge in sec-feet. Rows include various canal names like ABLESSON, BOOMER, RUDY, etc., and summary rows for TOTAL HEISE TO SHELLEY and TOTAL SHELLEY TO CLOUGH.

DAILY DISCHARGE IN SEC.-FT. OF SNAKE RIVER CANALS FOR JUNE, 1941

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	
	13	11	9	14	12	10	17	13	12	14	4	3	3	3	4	12	22	22	22	23	28	27	27	28	27	28	30	27	25	25		
AILEY	143	139	139	150	158	165	161	159	158	87	86	199	307	307	307	307	307	310	351	351	351	351	351	351	351	330	330	330	218	200	7454	
ANDERSON	224	222	318	318	318	318	318	318	166	167	167	305	305	387	498	488	589	594	647	647	604	604	563	583	654	581	581	581	551	541	13097	
EAGLE ROCK	145	139	189	332	346	353	353	203	200	149	146	267	355	355	355	355	355	390	391	394	394	394	394	394	394	353	349	349	351	340	9524	
FARMERS FRIEND	44	37	127	131	142	162	154	65	62	94	132	182	172	186	186	184	185	184	177	170	190	190	190	190	192	192	192	165	160	4623		
ENTERPRISE	0	0	0	0	3	4	6	0	4	6	0	3	0	0	0	0	5	5	5	5	4	4	4	0	0	0	0	0	0	0	0	49
NELSON	2	2	2	4	4	5	4	5	5	5	4	4	4	4	11	11	16	18	17	17	17	17	18	20	20	18	17	17	17	7	7	302
MATTSON & CRAIG	1	0	0	0	1	1	1	1	1	1	1	1	0	0	1	1	1	2	3	4	0	2	5	4	1	0	0	0	0	3	2	38
ARNSBERGER	44	44	49	50	50	50	50	44	43	48	45	44	50	50	49	49	49	49	49	49	48	48	48	48	50	49	49	49	49	46	5	1444
BUTLER ISLAND	2	4	3	2	4	4	3	1	1	4	3	3	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	87
ROSS & RAND	6	7	7	8	8	8	9	8	8	8	9	8	9	9	8	8	8	8	8	8	8	7	7	7	7	7	7	7	6	6	6	228
STEELE	205	175	347	466	466	466	466	253	258	279	280	466	466	466	468	468	468	468	474	473	468	466	466	463	463	463	463	463	462	460	460	12512
HARRISON	5	5	7	7	7	7	7	6	6	7	6	7	6	7	8	8	8	8	7	8	7	7	7	7	7	7	7	7	7	7	7	209
CHENEY	79	90	134	146	145	144	143	132	126	101	100	137	145	137	135	129	128	127	125	132	135	134	135	128	131	131	139	132	133	131	3864	
BOOMER	20	20	38	44	52	52	52	49	48	43	41	36	39	42	41	35	40	42	54	52	52	51	52	50	48	52	55	53	52	52	1357	
RUDY	0	0	0	0	8	8	7	1	1	6	5	3	8	7	8	7	7	7	7	6	8	7	9	8	9	8	9	9	9	9	9	181
KITE & NORD	538	708	756	786	804	804	804	609	695	747	635	721	808	808	808	808	808	808	808	808	804	808	808	808	808	808	808	816	808	808	23155	
BURGESS	70	69	69	71	71	71	70	65	64	67	68	61	70	70	69	68	68	67	66	66	70	69	68	68	67	67	67	67	67	67	2038	
CLARK & EDWARDS	29	27	27	28	28	28	26	28	23	26	25	19	23	25	28	35	36	43	45	45	44	46	46	46	46	45	46	43	44	32	1032	
LOWDER	0	0	0	0	4	6	5	0	0	0	0	0	0	0	0	0	0	0	6	6	6	6	7	7	7	6	5	5	5	6	88	
JENNINGS	109	110	115	116	121	121	124	114	76	81	82	69	80	83	85	122	122	121	122	117	126	122	122	122	122	122	120	120	117	120	3313	
EAST LABELLE	107	95	91	91	99	105	98	102	97	102	97	92	83	92	98	125	137	161	162	172	170	171	182	179	172	164	162	157	142	78	3783	
SUNNYDELL	55	80	101	115	147	154	112	79	63	55	61	99	89	101	111	140	179	183	183	171	157	107	159	157	146	129	127	121	113	66	3560	
LENROOT	85	113	119	147	150	144	130	114	115	136	125	139	149	121	105	157	158	157	157	156	152	152	152	150	150	150	150	146	147		4140	
REID	264	248	255	259	281	281	281	283	281	269	274	270	276	285	283	287	287	287	274	261	290	279	279	276	276	270	251	268	270	268	8209	
TEXAS FEEDER	3	2	6	6	18	19	17	18	17	18	7	13	11	12	14	13	13	14	16	15	13	13	16	15	12	16	16	18	17		404	
NELSON COREY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	5	4	5	6	6	4	4	4	3	3	53	
HILL PETTINGER	135	131	160	162	161	163	163	139	132	126	142	146	203	162	161	161	160	161	161	161	161	161	151	163	170	170	169	169	167	167	4740	
RIGBY	161	148	164	162	166	178	169	158	150	161	163	135	149	175	186	180	170	169	167	162	158	161	172	166	193	187	191	194	204	175	5074	
ISLAND	10	14	12	15	16	16	14	13	13	14	13	18	20	30	34	36	35	35	34	31	33	39	37	33	32	35	35	34	29		752	
DILTS	318	318	402	405	410	410	454	416	440	451	456	426	427	464	470	475	470	513	513	513	458	464	470	513	513	513	516	516	516	516	13746	
W. LABELLE & L. ISLAND	277	294	270	290	297	314	304	253	241	292	273	201	169	355	346	353	353	353	353	353	353	352	355	355	352	352	352	352	345	348	9459	
PARKS & LEWISVILLE	49	47	48	40	47	47	50	50	47	49	50	42	44	44	50	50	50	50	49	47	49	51	50	50	50	49	49	49	49		1443	
NORTH RIGBY	2	2	3	3	4	5	3	2	2	3	3	1	1	2	4	4	4	4	6	6	5	6	6	5	8	5	5	5	5	5	122	
WHITE	5	4	5	6	6	5	4	3	2	3	3	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	140	
ELLIS	2	2	2	3	3	3	2	2	2	2	2	2	2	0	0	8	8	9	10	9	8	8	9	9	9	8	8	8	9	10	167	
ARMWELL	232	262	214	232	262	305	284	284	192	193	192	199	234	310	338	303	305	303	337	330	319	342	351	350	318	308	318	318	343	254	8530	
BUTTE & MKT. LAKE	99	99	99	99	99	102	105	93	93	93	0	0	0	91	90	100	100	115	115	114	110	110	110	110	106	110	110	110	110	42	2802	
OSGOOD	0	0	0	1	3	0	3	0	0	0	2	3	0	3	0	0	0	0	3	3	3	3	0	3	3	0	0	0	0	0	9	
BEAR ISLAND	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	1	1	0	0	781
SMITH	20	20	20	20	22	25	20	18	18	18	18	24	26	25	26	27	26	26	28	31	32	33	33	33	33	34	35	35	35		26507	
KENNEDY	672	672	58	646	702	702	702	612	762	762	855	1010	1030	1040	1000	1000	1060	1130	1120	1120	973	982	995	976	991	988	982	976	973	966	11999	
IDAHO	409	403	398	400	404	408	384	373	362	357	370	360	386	410	412	408	417	425	414	403	403	404	403	398	400	406	409	423	425	425	5605	
GREAT WESTERN	165	165	157	155	171	172	180	152	155	155	156	157	157	194	197	201	193	217	219	217	225	217	205	205	197	143	201	205	217		25	
PORTER	0	0	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	1970	
COY & KELLER	40	37	35	35	37	49	57	56	54	52	51	50	64	77	80	83	86	86	86	84	83	80	76	73	76	78	77	76	76	76	14980	
WOODVILLE	273	267	266	302	320	386	390	275	340	367	369	380	462	563	617	643	641	659	659	661	635	599	633	659	649	635	623	623	554	510		
SNAKE RIVER VALLEY																																214208
TOTAL HEISE TO SHELLEY	5062	5237	5222	6318	6577	6778	6713	5570	5537	5660	5580	6288	6821	7533	7710	7999	8101	8344	8468	8415	8158	8096	8191	8237	8234	8081	8066	8084	7824	7499	15065	
RESERVATION	126	151	244	385	508	570	450	332	336	239	320	589	572	576	640	657	613	602	607	606	582	586	644	635	606	576	541	552	592	628	8798	
BLACKFOOT	125	124	120	112	233	341	331	251	291	292	294	272	272	372	357	364	350	352	344	320	317	315	306	309	317	323	310	36				

DAILY DISCHARGE IN SEC-FT OF SNAKE RIVER CANALS FOR JULY 1941

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
RILEY	16	6	16	15	10	13	14	12	23	33	28	25	24	24	26	28	22	23	23	27	26	24	24	20	20	21	18	16	1	12	12	602	
ANDERSON	193	267	265	264	263	300	346	376	367	366	365	365	363	363	362	360	353	358	356	353	352	351	320	346	345	356	344	330	323	263	367	10204	
EAGLE ROCK	531	531	531	531	531	645	645	712	780	700	700	634	689	689	687	707	709	705	707	707	709	709	759	730	730	609	645	643	647	730	724	20452	
FARMERS FRIEND	323	315	353	348	337	353	393	382	393	393	393	393	391	391	391	391	389	375	353	351	351	351	351	351	351	349	349	349	353	353	11308		
ENTERPRISE	172	113	113	8	4	4	117	118	112	117	117	117	117	117	117	113	114	113	113	113	113	8	4	4	111	113	111	111	111	111	113	2944	
NELSON	0	0	0	0	0	0	0	4	4	4	3	3	3	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	
MATTSON & CRAIG	7	10	10	10	11	15	13	12	15	14	13	12	13	17	19	19	9	9	9	9	7	7	7	7	7	7	7	7	7	7	7	321	
ARNSBERGER	0	0	1	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
BUTLER ISLAND	44	49	49	48	48	48	47	47	46	46	45	49	49	48	48	47	47	47	47	46	45	49	48	47	47	47	47	46	46	46	47	52	1465
ROSS & RAND	3	3	4	3	3	3	4	3	3	2	5	5	3	4	4	4	3	5	4	4	5	5	5	3	3	3	5	4	4	3	4	116	
STEELE	7	7	7	6	6	6	6	6	9	6	8	8	8	8	8	9	10	8	7	8	7	7	7	8	8	8	8	8	8	7	7	233	
HARRISON	463	463	463	8	6	6	468	476	481	476	470	473	468	468	468	468	470	468	468	466	466	466	466	466	466	6	6	6	468	468	468	11755	
CHENEY	5	4	5	3	2	2	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	205	
BOOMER	141	138	134	134	133	128	127	132	133	132	149	144	139	135	134	131	131	135	149	144	152	145	150	10	143	140	137	136	146	143	146	4171	
RUDY	53	52	45	39	41	46	48	52	51	52	54	49	52	53	54	52	52	50	52	52	52	53	52	52	54	54	54	52	53	56	56	53	1588
KITE & NORD	8	8	9	8	8	8	9	0	7	7	7	7	7	7	7	7	7	7	7	7	7	0	0	0	0	0	0	0	0	4	6	6	158
BURGESS	804	742	699	778	773	773	773	760	791	791	791	764	747	782	778	813	808	817	813	804	804	804	804	804	804	724	800	800	749	795	800	800	24340
CLARK & EDWARDS	69	70	70	70	68	70	70	71	66	71	71	72	72	70	70	71	72	71	72	70	68	68	67	67	66	65	65	64	70	70	69	2145	
LOWDER	33	6	6	6	6	6	4	6	40	41	38	42	40	34	29	29	22	22	22	4	3	4	4	19	19	19	19	19	19	20	23	604	
JENNINGS	5	0	0	0	0	0	0	0	8	6	8	6	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	8	79
EAST LABELLE	111	122	122	121	121	121	121	121	120	121	120	119	119	118	117	116	116	115	116	114	113	112	114	111	111	110	111	109	107	108	120	3547	
SUNNYDELL	67	70	89	80	83	105	124	150	148	144	142	132	85	105	128	139	135	121	122	88	82	62	63	61	61	66	92	83	79	90	102	3048	
LENROOT	55	96	153	103	77	166	193	205	172	172	137	126	134	139	141	146	140	146	143	129	131	127	101	97	71	82	107	93	129	97	97	3905	
REID	138	147	147	136	128	144	136	142	141	141	141	153	153	153	153	153	226	228	231	230	228	226	224	226	220	224	226	220	231	199	191	7349	
TEXAS FEEDER	264	262	268	266	243	247	251	268	266	269	253	226	232	234	236	234	226	228	231	230	228	226	224	226	220	224	226	220	231	199	191	379	
NELSON COREY	13	12	17	8	5	10	16	17	18	17	17	17	15	15	13	13	13	13	12	12	11	9	9	9	10	8	7	4	4	4	79		
HILL PETTINGER	3	3	3	2	1	2	3	3	3	3	3	3	3	3	4	5	4	5	5	4	2	2	3	2	2	2	2	0	0	0	0	79	
RIGBY	164	181	166	160	159	157	156	155	153	150	150	151	149	161	163	164	167	168	168	157	169	169	159	157	156	154	152	152	148	145	149	4909	
ISLAND	155	168	186	158	173	174	175	180	183	181	187	10	183	191	194	6	45	45	44	45	2	0	0	150	150	151	156	158	85	4	2	3741	
DILTS	25	28	33	25	29	28	29	29	29	29	29	0	28	29	29	28	11	14	17	15	3	4	4	17	17	18	18	13	14	8	22	622	
W. LABELLE & L. ISLAND	514	516	516	491	502	516	516	516	513	513	502	513	491	486	486	513	505	516	516	516	516	516	472	464	464	470	456	456	456	443	443	15313	
PARKS & LEWISVILLE	327	328	350	287	348	346	345	343	341	340	338	338	341	340	350	345	348	348	348	348	348	346	352	348	352	341	282	350	350	316	324	10510	
NORTH RIGBY	48	46	48	44	51	51	50	50	49	50	49	45	50	49	49	48	48	48	48	47	47	42	48	50	49	49	47	49	46	48	1501		
WHITE	3	3	4	4	5	5	4	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	5	5	5	5	5	3	2	130	
ELLIS	5	5	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	243	
BRAMWELL	9	8	8	9	8	8	7	8	9	9	8	9	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	7100	
BUTTE & MKT. LAKE	273	350	0	0	0	0	0	0	314	314	317	321	310	299	303	296	289	293	297	303	310	316	290	265	268	271	259	247	235	200	160	7100	
OSGOOD	106	107	107	0	0	85	85	114	114	114	114	115	116	116	116	117	117	117	117	117	117	117	117	116	115	115	114	114	115	116	3149		
BEAR ISLAND	3	3	3	0	3	3	3	3	3	3	0	0	0	3	3	3	3	3	0	0	0	3	3	3	3	3	0	0	3	3	3	66	
SMITH	1	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	18	
KENNEDY	34	34	34	30	26	28	30	32	32	32	35	38	38	39	36	37	38	38	38	38	38	38	38	38	36	34	34	33	33	32	34	35	1066
IDAHO	960	955	942	982	963	968	973	1170	1160	1180	1200	1190	1190	1170	1210	1210	1200	1190	1200	1190	1180	1190	1090	1080	954	1010	1010	1010	1010	1020	33437		
GREAT WESTERN	434	450	453	453	439	433	410	429	452	476	487	492	495	493	489	492	487	505	509	505	504	498	492	398	363	363	365	363	360	370	371	13830	
PORTER	213	203	203	207	194	176	223	225	227	243	254	241	241	235	231	223	229	227	227	235	239	239	222	192	195	191	203	193	184	178	144	6617	
COY & KELLER	2	2	2	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	2	2	2	1	0	0	0	1	1	0	0	34	
WOODVILLE	75	72	70	72	73	78	84	90	94	98	90	81	81	80	80	84	87	85	84	81	78	76	78	80	78	76	75	74	73	68	63	2458	
SNAKE RIVER VALLEY	554	550	544	539	544	548	639	659	663	657	657	655	653	643	627	617	603	607	621	621	601	603	599	597	611	605	591	589	558	85	18227		
TOTAL HEISE TO SHELLEY	7433	7505	7252	6465	6495	6750	7670	8071	8476	8531	8515	8164	8320	8368	8359	8279	8269	8249	8306	8205	8081	7890	7791	7545	7624	7029	7065	7063	7463	7223	6763	239247	
RESERVATION	584	532	553	545	474	434	548	588	600	578	504	541	583	512	327	146	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8099	
BLACKFOOT	280	372	371	0	0	0	326	382	392	381	388	377	376	372	364</																		

DAILY DISCHARGE IN SEC-FT. OF SNAKE RIVER CANALS FOR AUGUST 1941

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	
RILEY	16	29	27	25	24	23	24	23	26	19	17	18	4	0	4	4	4	183	180	202	200	196	194	203	196	177	173	170	154	12	8	10	432
ANDERSON	272	328	338	330	324	317	313	307	321	315	313	320	242	206	191	183	180	202	200	196	194	203	196	177	173	170	154	12	8	10	8078		
EAGLE ROCK	728	656	640	709	703	714	719	726	712	631	561	332	406	133	140	145	145	152	177	177	177	177	177	177	177	177	177	177	177	177	14075		
FARMERS FRIEND	353	353	353	353	250	371	371	371	371	371	329	259	178	160	153	247	264	275	275	241	263	272	290	274	272	271	264	258	246	236	246	8919	
ENTERPRISE	111	8	4	4	4	4	4	112	116	116	112	112	6	88	82	113	101	115	116	115	117	113	19	19	19	4	4	115	115	115	115	2306	
NELSON	0	1	2	1	1	1	1	1	2	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
MATTSON & CRAIG	8	8	5	5	11	8	7	9	9	9	7	6	2	1	1	1	1	1	1	1	2	3	5	5	7	9	10	8	7	8	13	178	
ARNSBERGER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BUTLER ISLAND	46	46	47	47	48	48	52	51	52	53	54	48	45	44	43	42	46	46	44	44	46	46	47	44	44	44	44	43	41	41	42	1436	
ROSS & RAND	4	5	5	4	5	4	4	3	4	4	4	4	4	3	3	3	3	4	3	3	3	3	3	3	3	3	3	4	4	3	3	3	111
STEELE	8	8	8	8	8	8	8	7	7	7	7	7	6	7	7	7	7	7	8	7	7	7	7	7	7	7	7	7	7	7	7	7	224
HARRISON	468	466	468	468	468	462	466	6	6	6	456	402	376	347	311	312	229	238	271	294	289	296	376	356	331	305	227	225	200	233	280	9638	
CHENEY	7	7	7	7	7	5	3	4	3	3	2	0	0	0	0	0	0	3	6	5	4	5	7	7	7	7	7	7	6	6	6	138	
BOOMER	149	155	161	161	157	151	154	168	168	168	153	153	123	113	109	107	107	113	62	73	102	106	109	106	102	102	108	100	104	119	120	3883	
RUDY	54	56	58	56	56	56	52	56	55	56	53	52	38	35	35	34	35	40	40	50	41	42	43	44	31	32	36	35	28	27	29	1355	
KITE & NORD	6	8	6	6	6	6	5	6	6	6	6	0	0	0	2	2	2	3	4	3	3	3	5	5	5	3	3	3	3	2	2	2	111
BURGESS	764	760	756	756	738	715	723	778	441	441	441	534	464	551	551	542	601	601	613	605	596	605	613	618	608	609	652	643	643	643	643	19303	
CLARK & EDWARDS	69	74	71	71	73	73	73	71	71	70	71	72	64	58	60	58	58	65	67	64	61	65	66	64	60	61	61	59	57	54	54	2015	
LOWDER	30	27	15	15	21	28	26	20	23	10	8	22	20	17	23	27	22	24	8	8	8	9	10	11	12	12	13	13	12	12	13	519	
JENNINGS	6	6	4	4	4	4	4	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
EAST LABELLE	117	116	115	114	114	113	113	119	113	121	88	85	79	71	72	67	66	74	70	68	118	120	113	99	94	95	94	92	89	87	88	2984	
SUNNYDELL	111	141	145	127	122	117	114	121	45	20	51	0	0	0	0	72	75	85	75	70	65	79	104	83	83	83	79	77	69	75	88	2376	
LENROOT	98	136	147	145	136	128	124	123	137	107	98	65	48	57	46	41	44	49	36	34	33	43	52	57	60	77	82	80	42	85	84	2544	
REID	147	146	147	146	140	142	143	143	147	124	108	82	66	64	59	55	54	57	59	61	56	57	78	78	79	69	54	60	104	136	134	2945	
TEXAS FEEDER	208	210	210	210	208	210	202	199	208	210	216	216	220	212	208	198	216	191	220	218	212	199	216	272	234	241	208	206	208	200	187	6623	
NELSON COREY	8	13	13	14	14	13	13	14	12	12	12	12	10	9	9	9	8	6	5	2	1	2	2	1	2	2	2	2	8	8	8	12	
HILL PETTINGER	0	0	0	0	0	4	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RIGBY	161	163	164	165	170	167	167	164	175	167	163	123	112	105	100	98	128	142	146	142	135	140	154	132	127	124	123	121	151	155	155	4439	
ISLAND	145	150	154	150	146	0	3	3	3	162	142	138	127	113	118	104	104	118	118	115	107	107	118	133	117	111	120	121	115	107	107	3376	
DILTS	29	33	35	0	0	32	35	32	36	0	0	3	3	4	6	3	3	4	4	3	7	9	3	10	9	10	10	10	10	8	8	359	
W LABELLE & L ISLAND	486	443	448	405	400	405	405	405	405	358	358	358	302	302	297	292	292	299	299	299	297	299	304	304	304	306	309	306	310	318	323	10658	
PARKS & LEWISVILLE	309	319	277	331	331	346	314	325	324	260	278	245	237	221	221	200	197	229	233	236	238	231	215	210	210	220	216	218	237	280	234	7932	
NORTH RIGBY	50	50	49	49	47	48	47	49	46	49	48	51	45	43	38	37	37	42	44	40	41	38	46	43	46	44	45	43	44	44	47	1390	
WHITE	4	5	5	5	6	6	6	6	7	6	6	6	4	3	4	3	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	153
ELLIS	1	2	2	3	3	3	3	3	4	4	4	4	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
BRAMWELL	1	2	4	6	6	7	7	7	5	5	5	5	5	3	2	3	3	4	4	5	4	4	5	4	5	5	5	5	6	7	7	146	
BUTTE & MARY LAKE	158	157	234	234	234	231	228	220	212	220	227	234	190	148	148	148	145	142	138	130	121	135	150	150	150	150	141	132	130	127	128	5292	
OSGOOD	110	113	114	115	115	116	116	116	117	117	117	116	117	117	108	100	100	0	0	0	0	108	108	108	109	109	110	112	114	116	116	3034	
BEAR ISLAND	3	3	0	3	3	0	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
SMITH	1	0	1	1	1	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1140
KENNEDY	33	34	35	36	37	40	42	41	40	40	39	38	28	28	28	29	29	29	36	37	40	41	42	42	43	41	39	39	36	36	1140		
IDAHO	998	991	985	1000	1020	1030	1020	1010	1010	970	846	385	385	411	230	190	190	411	747	690	687	684	864	861	858	855	852	850	849	849	844	23577	
GREAT WESTERN	397	394	397	395	392	389	389	386	387	368	342	316	298	284	286	283	283	288	320	334	352	358	362	358	357	358	358	360	364	370	368	10895	
PORTER	150	146	154	161	153	153	153	150	146	141	136	134	134	138	143	140	130	112	145	153	158	163	170	177	184	184	184	188	180	180	180	4774	
COY & KELLER	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
WOODVILLE	62	65	67	69	71	70	68	64	60	54	48	47	43	39	40	40	40	0	0	42	42	24	56	59	62	65	68	71	73	69	69	1647	
SNAKE RIVER VALLEY	0	0	0	475	631	633	633	617	549	347	337	275	330	310	302	295	288	285	337	377	489	340	195	430	520	544	540	535	518	493	457	12082	
TOTAL HEISE TO SHELLEY	6887	6839	6878	7391	7509	7405	7320	7053	6591	6144	6257	5298	4180	4443	4175	4259	4247	4488	4432	5388	5528	5386	5608	5794	5769	5776	5643	5794	5880	5942	5944	181578	
RESERVATION	0	0	0	0	0	0	0	0	0	0	0	0	120	166	142	167	165	67	42	111	249	394	432	502	448	431	469	464	480	461	452	5752	
BLACKFOOT	272	273	345	298	293	322	321	267	259	163	121	122	109	105	45	46	45	66															

DAILY DISCHARGE IN SEC-FT. OF SNAKE RIVER CANALS FOR SEPT. 1941

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL		
RILEY	228	218	223	237	273	265	256	248	228	201	197	194	194	175	171	177	172	171	165	161	182	176	175	162	158	120	117	117	117	117	177		
ANDERSON	474	523	573	559	460	464	470	477	501	533	573	602	602	632	636	632	626	640	645	649	614	553	474	474	438	388	290	290	290	290	290	5387	
EAGLE ROCK	246	241	275	330	330	280	242	239	238	203	196	266	303	285	279	285	282	279	275	271	269	263	263	258	240	230	223	220	210	210	15286		
FARMERS FRIEND	112	2	3	4	4	4	4	63	61	57	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	7747		
ENTERPRISE	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1926		
NELSON	14	13	13	9	6	6	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2		
MATTSON & CRAIG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	124		
ARNSBERGER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
BUTLER ISLAND	41	41	43	43	42	42	41	41	41	40	40	41	40	37	36	37	36	36	36	35	38	37	38	36	35	33	32	32	32	32	1134		
ROSS & RAND	3	3	2	4	3	3	3	3	3	4	6	6	6	4	3	3	3	3	3	3	3	2	2	2	2	2	1	1	1	1	87		
STEELE	6	7	7	7	7	6	7	7	6	6	6	6	7	6	6	6	6	6	5	5	6	6	6	5	5	4	4	4	4	4	173		
HARRISON	278	137	135	102	104	398	324	321	359	354	352	301	253	273	317	317	317	289	287	289	282	249	209	200	160	160	142	140	140	140	7458		
CHENEY	5	6	6	7	7	5	6	5	4	4	3	6	6	5	3	3	3	3	3	2	2	1	1	4	4	3	3	3	3	3	119		
BOOMER	116	119	120	114	132	116	116	113	106	102	138	144	138	132	126	127	122	144	141	140	141	141	131	94	90	80	79	75	75	75	3487		
RUDY	30	30	31	8	16	32	20	29	27	26	36	45	51	38	36	38	37	46	52	52	54	49	36	27	26	20	19	19	19	19	978		
KITE & NORD	2	2	2	3	2	2	2	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	43		
BURGESS	643	648	643	643	643	640	639	639	643	652	646	650	650	646	637	646	641	641	646	641	646	641	646	646	646	644	644	665	665	600	550	550	19133
CLARK & EDWARDS	59	61	62	65	63	67	68	68	65	63	61	64	65	60	56	56	54	54	52	65	65	65	65	63	60	53	53	53	50	50	1805		
LOWDER	19	23	18	20	18	20	18	18	18	18	17	18	18	16	19	22	21	19	18	18	28	24	24	24	21	18	16	16	16	16	579		
JENNINGS	0	0	0	6	10	8	8	10	10	10	10	10	10	10	10	10	5	6	6	6	10	10	10	10	10	0	0	0	0	0	195		
EAST LABELLE	85	88	89	117	99	95	97	98	94	92	92	118	118	111	107	108	104	103	112	111	113	114	114	116	100	85	77	77	77	2943			
SUNNYDELL	88	86	88	93	106	108	108	88	83	67	65	60	73	61	54	59	59	55	57	67	88	73	85	65	50	25	25	25	25	25	2011		
LENROOT	81	103	103	109	106	103	60	59	49	44	85	85	86	55	49	62	60	51	46	44	65	69	70	69	50	15	15	15	15	15	1838		
REID	107	96	93	95	85	76	73	67	69	103	110	107	103	100	87	82	82	82	90	91	96	89	79	66	50	35	34	34	34	34	2349		
TEXAS FEEDER	210	210	193	212	214	214	216	216	216	164	212	159	218	210	191	187	191	173	169	166	173	178	206	210	200	165	162	160	160	160	5715		
NELSON COREY	3	9	6	7	9	9	8	3	8	3	3	3	3	3	3	2	3	2	1	1	2	2	1	1	0	0	0	0	0	0	95		
HILL PETTINGER	0	0	0	4	4	4	4	4	4	3	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35		
RIGBY	151	153	151	152	154	151	155	159	155	150	159	151	151	150	151	158	147	146	159	158	160	160	160	160	153	50	42	42	42	42	4072		
ISLAND	106	107	104	146	127	117	122	96	96	96	95	95	97	94	90	120	122	117	113	113	114	120	128	122	120	110	108	108	108	108	3319		
DILTS	8	8	14	17	16	16	29	34	31	30	29	30	30	29	25	23	22	20	18	16	17	21	22	20	19	14	14	14	14	14	614		
W. LABELLE & L. ISLAND	321	326	323	323	329	328	333	333	328	333	328	328	333	318	318	314	314	314	311	304	311	314	343	338	330	328	328	328	328	328	7416		
PARKS & LEWISVILLE	309	309	312	258	265	261	215	215	247	242	241	275	282	223	210	252	255	245	242	268	258	261	265	236	220	210	210	210	210	210	1150		
NORTH RIGBY	45	42	42	44	44	45	48	49	48	48	44	46	44	48	38	42	33	35	33	33	31	31	37	33	32	27	27	27	27	27	83		
WHITE	5	5	5	5	5	5	5	5	4	3	4	4	3	3	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	19		
ELLIS	0	0	3	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45		
BRAMWELL	4	4	4	4	4	4	4	4	3	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3155		
BUTTE & MKT. LAKE	135	135	152	151	151	150	140	130	134	138	136	118	99	95	91	92	93	86	79	72	82	93	96	100	90	75	62	60	60	60	2867		
OSGOOD	105	105	105	106	107	108	108	107	106	104	108	108	107	107	108	108	107	107	106	100	94	92	68	66	64	62	62	62	62	62	4		
BEAR ISLAND	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2		
SMITH	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	651		
KENNEDY	38	40	42	44	46	48	43	39	38	36	33	32	32	26	23	18	15	10	8	5	5	5	7	9	9	0	0	0	0	0	21431		
IDAHO	855	861	867	874	880	870	889	892	898	777	805	818	917	920	833	836	842	849	855	768	483	459	502	491	494	416	370	370	370	370	8266		
GREAT WESTERN	373	392	389	392	394	374	354	346	349	343	336	332	330	330	319	280	234	235	232	199	225	183	194	201	182	153	150	150	150	150	4598		
PORTER	176	184	191	145	199	203	184	166	171	176	171	170	168	162	155	155	155	148	141	134	138	143	141	139	138	115	95	95	95	95	19		
COY & KELLER	1	1	1	1	2	2	1	1	1	0	0	0	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1572		
WOODVILLE	68	69	70	67	63	60	60	60	59	58	60	62	57	56	55	56	58	58	58	58	58	58	57	56	51	46	40	30	20	20	20	11712	
SNAKE RIVER VALLEY	471	488	504	522	539	499	466	427	400	450	477	479	470	464	457	450	450	412	393	342	308	316	320	273	226	226	223	220	220	220	161806		
TOTAL HEISE TO SHELLEY	6031	5894	6019	6117	6088	6227	5977	5900	5912	5946	5977	6039	6169	5979	5796	5861	5777	5678	5651	5485	5267	5131	5139	4573	4866	3903	3739	3657	3604	3604	6514		
RESERVATION	458	294	198	212	228	221	211	216	211	263	325	231	229	226	227	221	268	318	336	335	500	227	185	130	64	52	66	78	86	98	5806		
BLACKFOOT	264	290	283	271	211	261	260	220	230	232	217	208	217	218	212	185	163	158	161	161	170	138	142	130	123	123	120	110	100	100	3084		
NEW LAVA SIDE	140	139	139	138	130	117	112	117	117	130	128	127	126	122</																			

INFLOW TO AMERICAN FALLS RESERVOIR CLOUGH TO NEELEY STATIONS

24 HOUR SECOND FEET

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7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	JULY 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19						
30	30	29	29	29	29	29	29	29	29	29	30	30	30	30	30	30	30	30	30	30	30	29	29	29	28	27	27	26	26	26	25	25	25	24	24	24	24	24	24	24	24	24	24	24				
287	288	289	290	291	290	290	289	289	289	289	289	289	289	289	289	289	289	289	288	288	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	306	307	308	308	308				
416	419	422	425	428	428	428	429	430	430	431	431	432	433	433	434	435	436	436	436	448	448	448	448	448	448	447	445	444	442	441	440	439	438	437	436	435	436	437	438	438	439	439	440	441	441			
112	112	112	112	112	112	112	112	112	112	112	112	112	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	110	110	110	110	110	110	110	110				
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1317	1377	1389	1396	1377	1365	1343	1324	1340	1337	1308	1301	1287	1282	1276	1271	1259	1254	1246	1242	1247	1244	1243	1235	1261	1248	1245	1242	1237	1231	1227	1227	1221	1223	1222	1224	1232	1229	1224	1221	1214	1214	1214	1215	1215	1215	1215		
310	1320	1320	1310	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	
627	2697	2709	2706	2677	2665	2643	2624	2640	2637	2608	2610	2587	2582	2576	2571	2559	2554	2546	2542	2547	2544	2543	2535	2561	2548	2545	2542	2537	2531	2527	2527	2521	2523	2522	2524	2532	2529	2524	2521	2514	2514	2514	2515	2515	2515	2515		
TOTAL JUNE 78,196																																																

	20	21	22	23	24	25	26	27	28	29	30	31	AUG.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27					
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129	76	81	81	81	80	80	90	93	89	81	75	75	77	76	80	79	75	76	71	82	102	100	107	102	108	108	102	100	114	130	110	105	102	98	107	104	102	104	108	108	108	108	108		
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1317	1258	1269	1277	1273	1275	1272	1285	1295	1296	1282	1275	1277	1280	1301	1287	1284	1283	1286	1278	1285	1310	1319	1335	1335	1349	1355	1358	1383	1383	1398	1361	1341	1328	1329	1346	1337	1339	1341	1345	1345	1345				
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TOTAL JULY 79,227

TOTAL AUGU

7	20	21	28	29	30	31	SEP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30																		
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416	443	44	460	460	460	461	461	461	461	461	462	462	462	463	463	464	464	464	464	465	465	466	466	467	467	468	468	469	469	470	470	470	470	470	470	470	470	470																	
112	110	11	117	116	116	116	116	116	116	116	117	117	117	118	118	118	119	119	119	119	120	120	120	120	121	121	121	121	121	122	122	122	122	122	122	122	122	122																	
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129	76	8	107	110	114	113	108	108	105	101	110	114	118	121	119	107	108	110	100	102	108	110	105	100	95	90	86	89	100	105	118	116	113	107	104	104	104																		
6	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3																		
25	32	3	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37																		
49	47	4	51	50	50	50	49	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	53	55	60	66	66	66	66	66	66																			
5	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4																		
7	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5																		
3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2																		
27	16	10	12	12	12	16	13	20	18	16	16	15	24	23	21	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12																		
16	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6																		
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																		
4	0	0	0	0	0	1	7	6	4	4	3	12	11	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																		
36	33	3	35	35	35	35	35	35	35	35	35	35	35	35	35	36	36	36	36	36	36	37	37	37	37	37	37	38	40	42	42	42	42	42	42	42	42																		
1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2																		
7	2	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5																		
21	21	2	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17																		
317	1258	126	1345	1348	1352	1356	1349	1341	1357	1350	1363	1366	1389	1392	1387	1360	1364	1367	1359	1365	1374	1377	1374	1373	1371	1368	1374	1388	1423	1518	1522	1506	1499	1501	1508	1510																			
310	1300	130	1360	1360	1360	1360	1360	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300																			
427	2558	256	2645	2648	2652	2656	2649	2661	2657	2650	2663	2666	2689	2692	2687	2660	2664	2667	2659	2665	2674	2677	2674	2673	2671	2668	2674	2688	2723	2858	2862	2846	2839	2841	2848	2850																			
																												TOTAL SEPT. 81,485																											
ST 81,780																																																							

DATE	JACKSON LAKE		SNAKE R. AT MORAN			MORAN TO HEISE		DATE	SNAKE R. AT HEISE PLUS WILEY DITCH		STORAGE INFLOW HEISE TO SHELLEY			HEISE TO SHELLEY STORAGE LOSS	HENRYS FK. NR. P.			
	Contents	Ac. Ft.	STOR.	NORM.	TOTAL	STORAGE LOSS	STORAGE DIVERSIONS		STOR.	NORM.	HEISE	MARKET	ROBLATS		STOR.	NORM.	TOTAL	
APR 19	316 820							APR 19										
20	317 460				20			20										
21	318 110				20			21										
22	318 970				20			22										
23	319 610				20			23										
24	320 470				20			24										
25	321 750				20			25										
26	322 830				20			26										
27	324 330				20			27										
28	326 050				20			28										
29	327 550				20			29										
30	329 720				20			30										
MAY 1	332 110				20			MAY 1										
2	335 370				19			2										
3	338 620				19			3										
4	343 180				18			4										
5	347 520	0			18			5										
6	353 420	-713	729		17			6	0									
7	357 590	-943	958		16	-18		7	-695	7740	7740							
8	360 440	-1453	1467		15	-24		8	-919	7205	7010							
9	365 770	-1940	1953		14	-36		9	-1417	7239	6820							
10	369 430	-2230	2242		13	-48		10	-1892	8737	7320							
11	373 410	-2693	2705		12	-56		11	-2174	9562	7670							
12	377 840	-2160	2172		12	-67		12	-2626	10474	8300							
13	383 380	-2151	2163		12	-54		13	-2106	12026	9400							
14	388 470	-3327	3346		19	-83		14	-2077	13106	11000							
15	403 630	-3640	3660		20	-91		15	-3244	14197	12100							
16	414 810	-2612	2633		21	-65		16	-3549	14862	11618							
17	422 030	-3413	3725		312	-85		17	-2547	13664	10115							
18	433 980	-3081	4161		1080	-77		18	-3328	12166	9619							
19	440 090	-2864	3793		929	-72		19	-3004	13531	10223							
20	445 770	-2869	3427		558	-72		20	-2792	14727	11723							
21	451 460	-3323	3875		552	-83		21	-2797	13115	10323	1	7045	7046	-136	-173	1543	
22	458 050	-3343	4743		1400	-84		22	-3240	12460	9463	10	7340	7350	-137	-163	1323	
23	464 680	-4152	5412		1260	-104		23	-3259	13193	9953	11	7670	7681	-158	-175	1057	
24	473 840	-1883	2403		520	-47		24	-4048	14482	11423	11	7862	7873	-159	-190	1030	
25	484 390	0	223		223	0		25	-1836	17172	13124	9	8032	8043	-184	-190	1097	
26	496 390	0	32		32	0		26	0	14460	12624	9	11	8032	8043	-184	-190	1097
27	508 410	0	24		24	0		27	0	12924	12924	8	11	7615	7626	-90	-218	1268
28	518 870	0	24		24	0		28	0	12924	12924	8	1	6754	6755	0	-221	1461
29	527 470	0	24		24	0		29	0	13519	13519	8	1	5387	5388	0	-218	2008
30	535 870	0	24		24	0		30	0	14006	14006	8	1	5141	5142	0	-259	3157
31	543 130	-341	362		21	-9		31	0	12307	12307	8	1	5167	5168	0	-240	3544
JUN 1	550 620	-2276	2296		20	-57	JUN 1	0	11015	11015	7	0	5287	5287	0	-186	2870	
2	556 720	-2853	3062		209	-71	2	0	10316	10316	7	0	5212	5212	0	-174	2457	
3	562 380	-2389	3254		865	-60	3	0	10195	9863	7	0	5062	5062	-16	-210	2361	
4	567 560	-400	2070		1670	-10	4	0	11490	9271	7	0	5237	5237	-108	-211	2191	
5	572 270	1193	277		1470	30	5	0	11561	8779	7	1	5221	5222	-136	-192	1712	
6	578 410	939	20		959	23	6	0	11843	9514	7	1	6317	6318	-114	-192	1387	
7	583 870	286	20		306	7	7	0	11402	11012	7	2	6575	6577	-19	-208	1488	
8	590 980	0	26		26	0	8	0	1163	10647	11810	7	0	6778	6778	57	-160	1920
9	596 440	0	25		25	0	9	0	916	10001	10917	7	0	6713	6713	45	-180	2361
10	602 860	-2291	2315		24	-57	10	0	279	10234	10513	7	0	5570	5570	14	-175	2681
							11	0	10112	10112	10112	7	0	5537	5537	0	-172	2871
									10314	10314	10314	7	0	5460	5460	0	-165	2711
									12088	9854	9854	7	0	5580	5580	-109	-141	2311

DAILY SUMMARY OF DATA AT AND BETWEEN

REXBURG	DATE	SNAKE R. NR. SHELLEY			DIV. SHELLEY-BLACKFOOT			SHELLEY BLACKFOOT STORAGE LOSS	THEORETICAL BALANCE STORAGE AT BLACKFOOT	DATE	BLACKFOOT RIVER	SNAKE R. AT CLOUGH			CALCULATED INFLOW CLOUGH TO SHELLEY	DATE	AM. FALLS RESERVOIR Contents A.C.
		TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.					TOTAL	STOR.	NORM.			
	APR 20															1700.5	
	21	-341	3531	3190						117	0	2980	2980	3108	APR 20	1699.4	
	1020	22	-304	3414	3110					96	-321	3171	2850	3097	23	1697.2	
	989	23	-267	3357	3090					66	-286	3004	2720	3097	24	1695.5	
	962	24	-308	3478	3190					29	-251	2921	2670	3108	25	1694.4	
	989	25	-379	3879	3500					41	-290	2810	2520	3119	26	1693.8	
	1030	26	-456	4236	3780					54	-326	3290	2840	3130	27	1693.8	
	1160	27	-575	4765	4190					60	-429	3529	3110	3152	28	1693.8	
	1270	28	-614	5244	4630					90	-540	3980	3440	3119	29	1690.4	
	1410	29	-738	5918	5180					151	-577	4377	3800	3097	30	1686.5	
	1490	30	-744	6694	5950					168	-694	5004	4310	3097	31	1683.7	
	1740	MAY 1	-669	7169	6500					165	-699	5599	4900	3097	2	1681.5	
	2000	2	-557	7487	6930					156	-629	5939	5310	3076	3	1678.1	
	2340	3	-220	7580	7360					151	-524	6194	5650	3115	4	1678.1	
	2500	4	-51	7951	7900					155	-207	6527	6320	3097	5	1678.1	
	2650	5	-54	8574	8520					162	-98	6908	6860	3080	6	1681.5	
	2730	6	-60	8620	8560					178	-51	7151	7100	3012	7	1679.2	
	2500	7	-60	8030	7970					174	-56	6676	6620	2940	8	1679.2	
	2300	8	-722	7752	7030					144	-56	5776	5720	2878	9	1679.2	
	1890	9	-926	7596	6670					62	-679	5459	4780	2893	10	1675.9	
	2000	10	-1404	8434	7030					27	-870	5570	4700	2798	11	1670.8	
	2260	11	-1888	8888	7000					21	-1320	5760	4440	2810	12	1665.3	
	2030	12	-2142	9102	6960					34	-1775	5915	4140	2811	13	1655.9	
	2010	13	-2573	9473	6900					24	-2013	5653	3640	2819	14	1647.0	
	2070	14	-2094	9524	7430					14	-2419	5909	3490	2817	15	1641.0	
	2300	15	-2106	10076	7970					9	-1969	5909	3740	2817	16	1634.9	
	2650	16	-3227	10687	7460					7	-1980	5940	3760	2786	17	1623.3	
	2610	17	-3534	9204	5670					4	-3033	5993	2960	2733	18	1613.4	
	1960	18	-2562	6822	4260					3	-3322	4772	1450	2732	19	1605.8	
	1460	19	-3334	8024	4690					19	-2408	3528	1120	2730	20	1590.0	
	1620	20	-3041	8741	5700					34	-3134	5074	1940	2681	21	1579.7	
	1370	21	-2830	7150	4320					14	-2859	4519	1660	2628	22	1569.9	
	1160	22	-2833	5903	3070					3	-2660	3310	640	2597	23	1558.1	
	884	23	-3268	6018	2750					0	-2663	2883	220	2571	24	1545.8	
	840	24	-3301	7321	4020					0	-3072	3292	170	2540	25	1530.9	
	901	25	-4054	9464	5610					0	-3130	4113	1010	2564	26	1522.9	
	1050	26	-1966	8506	6540					13	-3811	6141	2330	2585	27	1516.0	
	1240	27	-214	8424	8210					14	-1848	6048	4200	2632	28	1513.3	
	1790	28	-211	10611	10400					22	-201	6171	5970	2649	29	1512.3	
	2900	29	-252	11752	11500					42	-198	8158	7960	2640	30	1510.7	
	3300	30	-233	10433	10200					115	-237	8397	8160	2622	31	1507.5	
	2690	31	-179	8939	8760					202	-219	7419	7200	2623	JUN 1	1503.8	
	2280	JUN 1	-167	8237	8070					245	-168	6648	6480	2644	2	1500.2	
	2150	2	-519	8019	7500					242	-157	6177	6020	2631	3	1496.0	
	1980	3	-2315	8815	6500					190	-488	5538	5050	2603	4	1491.8	
	1520	4	-2832	7892	5060					115	-2176	5566	3390	2564	5	1484.5	
	1190	5	-2401	7431	5030					44	-2662	4902	2240	2586	6	1475.6	
	1280	6	-574	6844	6270					51	-2257	4747	2490	2578	7	1467.2	
	1760	7	953	6437	7390					57	-540	4180	3640	2627	8	1466.7	
	2180	8	698	7172	7870					78	895	3985	4880	2697	9	1467.2	
	2510	9	97	8253	8350					78	656	4674	5330	2709	10	1470.9	
	2700	10	-165	8305	8140					167	91	5329	5420	2706	11	1472.5	
	2550	11	-158	8398	8240					219	-155	5785	5630	2677	12	1474.0	
	2170	12	-2259	9259	7000					76	-149	4749	4600	2665	13	1471.4	
										24	-2123	4733	2610	2643	14	1464.6	

SNAKE RIVER GAGING STATIONS 1941

STATION	SNAKE R. AT NEELEY			LAKE WALCOTT		MINIDOKA CANALS				SNAKE R. AT MINIDOKA			DATE	MILNER LAKE GAGE	GOODING				
	STOR.	NORM.	TOTAL	Contents Ac Ft.	NORMAL FLOW CREDIT	NORTH	SOUTH	TOTAL	STOR.	NORM.	TOTAL	STOR.			NORM.	TOTAL	STOR.	NORM.	TOTAL
70	-384		6050	98200										APR 23	10.97	0	970		
30	667	6234	5850	97720		417	117	534	0	534					10.86	0	1080	14	
10	301	6163	6770	96990		442	269	711	0	711	-163	5503	5340	24	11.06	333	757	16	
70	-19	6029	6330	98080		568	317	885	0	885	203	5215	5420	25	11.12	742	418	11	
70	-686	5929	5910	97840		670	319	989	0	989	400	5040	5490	26	10.84	1109	91	13	
70	-361	6426	5740	95910		670	530	1200	0	1200	231	4729	5060	27	10.69	447	713	11	
70	601	6691	6330	95430		666	324	990	0	990	-376	5436	5060	28	10.50	514	606	11	
70	1586	7099	7700	96030		728	304	1032	0	1032	-477	5659	5180	29	10.34	599	521	11	
50	1259	7474	9060	97350		862	292	1155	0	1155	-264	5944	5680	30	10.60	1131	9	11	
50	534	8101	9360	96870		1150	295	1445	0	1445	791	6029	6820	MAY 1	10.84	856	284	11	
50	835	8696	9230	96870		1120	295	1415	0	1415	924	6686	7610	2	10.88	525	615	11	
70	561	9015	9850	96390		1220	388	1608	0	1608	602	7088	7690	3	10.94	406	734	11	
70	-84	9289	9850	95180		1300	487	1787	0	1787	622	7228	7850	4	11.13	301	839	11	
70	-668	9624	9540	96390		1340	555	1895	0	1895	406	7394	7800	5	10.88	0	1140	11	
70	-843	9988	9320	95180		1340	600	1940	0	1940	-164	7684	7520	6	10.83	0	1140	11	
70	104	10163	9320	96390		1390	600	1990	0	1990	-718	7998	7280	7	10.43	0	1140	11	
60	1016	9616	9720	96030		1440	652	2092	0	2092	-1001	8071	7070	8	10.65	63	1087	11	
00	1418	8654	9670	96630		1440	741	2181	0	2181	-235	7435	7200	9	10.68	1101	49	11	
70	1432	8302	9720	96390		1440	826	2266	0	2266	972	4388	7360	10	10.76	1150	0	11	
40	1530	8368	9800	96150		1430	872	2302	0	2302	1390	6000	7390	11	10.78	1140	0	11	
40	1874	8570	10100	95550		1440	928	2368	0	2368	1520	6000	7520	12	10.56	1120	0	11	
70	2128	8726	10600	94140		1500	1070	2570	0	2570	1470	6000	7470	13	10.58	1120	0	11	
20	1774	8472	10600	94020		1560	1250	2810	84	2726	1520	6000	7520	14	10.68	1120	0	11	
40	1774	8726	10500	94250		1580	1280	2860	124	2726	1610	6000	7610	15	10.74	1120	0	11	
130	1774	8726	10500	94250		1580	1290	2870	144	2726	1580	6000	7580	16	10.68	1120	0	11	
140	1674	8726	10400	91920		1570	1290	2860	134	2726	1550	6000	7550	17	10.68	1120	0	11	
730	2796	7504	10300	91920		1560	1270	2830	104	2726	1610	6000	7610	18	10.49	1160	0	11	
970	3942	6258	10200	91920		1560	1240	2800	1024	2726	1630	6000	7630	19	10.68	1170	0	11	
750	2135	7755	9890	91230		1560	1220	2780	1054	2726	1882	5778	7660	20	10.80	1170	0	11	
470	2393	7147	9540	90410		1550	1220	2780	897	1883	3078	4532	7610	21	10.86	1170	0	11	
350	3503	5907	9410	88660		1550	1250	2800	1074	1726	1598	5872	7470	22	10.89	1180	0	11	
360	3906	5454	9360	86800		1550	1260	2810	1084	1726	1939	5421	7360	23	10.81	1180	0	11	
950	3558	5802	9360	85520		1560	1250	2810	1084	1726	3049	4181	7230	24	10.72	1180	0	11	
760	2683	6677	9360	83310		1550	1240	2790	1064	1726	3442	3728	7170	25	10.64	1190	0	11	
740	944	8726	9670	81740		1540	1220	2760	1034	1726	3154	4076	7230	26	10.60	1200	0	12	
780	1420	8680	10100	81280		1550	1180	2730	4	2726	2279	4951	7230	27	10.68	1210	0	12	
710	1680	8820	10500	81620	230	1480	1110	2590	0	2680	1280	6000	7310	28	10.42	1210	0	12	
720	902	10798	11700	81850	2358	1430	1010	2440	0	2590	1280	6000	7280	29	10.51	1210	0	12	
750	1181	11019	12200	86570	2500	1300	961	2261	0	2261	1360	6000	7360	30	10.70	1210	0	12	
780	1958	10042	12000	90760	1962	1220	860	2080	0	2080	1102	6258	7360	31	10.82	1210	0	12	
720	1785	8915	10700	94950	84	1280	904	2184	0	2184	1340	6000	7340	JUN 1	10.97	1210	0	12	
730	1172	8588	9760	94720		1290	837	2127	0	2127	583	6647	7230	2	11.02	832	378	12	
740	1529	8141	9670	95430		1290	875	2165	0	2165	659	6461	7120	3	11.05	990	220	12	
710	1320	8130	9450	94950		1290	863	2153	0	2153	1044	5976	7040	4	11.02	1210	0	12	
710	1832	7488	9320	95430		1290	872	2162	363	1799	983	5977	6960	5	11.04	1210	0	12	
730	895	7325	8220	95070		1130	697	1827	0	1827	1051	5689	6740	6	10.98	1200	0	12	
710	233	6807	7040	94720		987	412	1399	0	1399	922	5498	6420	7	11.02	1210	0	12	
730	168	6682	6930	94250		917	397	1314	0	1314	472	5408	5880	8	10.70	1170	0	12	
700	-453	7383	7080	94720		828	412	1240	0	1240	392	5368	5760	9	10.82	1130	0	11	
710	-955	8035	7450	94950		830	412	1242	0	1242	-158	5768	5610	10	10.71	754	376	11	
740	-1012	8462	7910	93550		937	467	1404	0	1404	-526	6136	5610	11	10.52	474	656	11	
720	496	7414	8130	94020		1110	625	1735	0	1735	-383	6293	5910	12	10.38	366	764	11	
710	754	7376	8130	94020		1160	728	1888	0	1888	598	5642	6240	13	10.55	1094	36	11	
											1012	5488	6500	14	10.42	1140	0	11	

STATION	SNAKE R. AT MILNER	NORTH SIDE CANAL CO.						TWIN FALLS CAN. CO.			MILNER LOW LIFT			SNAKE R. AT MILNER			
		AL	RA.	GOODING	MAIN	TOTAL	STOR.	NORM.	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL
30	70	0	0	0	1840	1840	0	1840	0	1840	0	0	0	0	0	0	0
10	80	0	0	0	1840	1840	0	1840	0	1840	0	0	0	0	0	0	0
10	90	10	0	0	1820	1830	0	1830	0	1830	0	2210	2210	0	24	24	0
10	60	24	0	0	1860	1884	0	1884	0	1884	0	2520	2520	0	50	50	0
10	00	29	0	0	1880	1909	0	1909	0	1909	0	2550	2550	0	66	66	0
10	60	40	0	0	1940	1980	0	1980	0	1980	0	2620	2620	0	81	81	0
10	20	46	0	0	2110	2156	0	2156	0	2156	0	2640	2640	0	79	79	0
10	20	52	0	0	2220	2322	0	2322	0	2322	0	2640	2640	0	94	94	0
10	40	56	340	0	2240	2656	0	2656	0	2656	0	2780	2780	0	109	109	0
10	1240	56	650	0	2270	2976	0	2976	0	2976	0	2970	2970	0	124	124	0
10	40	56	730	0	2380	3166	0	3166	0	3166	0	3220	3220	0	137	137	0
10	40	56	730	0	2430	3216	0	3216	0	3216	0	3280	3280	0	138	138	0
10	40	56	740	0	2470	3266	0	3266	0	3266	0	3160	3160	0	138	138	0
10	40	56	730	0	2500	3286	0	3286	0	3286	0	3130	3130	0	138	138	0
10	40	56	730	0	2260	3046	0	3046	0	3046	0	3090	3090	0	154	154	0
10	40	58	730	0	2200	2988	0	2988	0	2988	0	3060	3060	0	163	163	0
10	50	60	740	0	2250	3050	0	3050	0	3050	0	3120	3120	0	161	161	0
10	150	61	740	0	2250	3051	0	3051	0	3051	0	3140	3140	0	162	162	0
10	150	62	740	0	2250	3052	0	3052	0	3052	0	3130	3130	0	162	162	0
10	140	62	740	52	2290	3092	52	3000	140	3000	140	3120	3120	0	163	163	0
10	120	62	720	92	2290	3072	92	3000	150	3000	150	3120	3120	0	161	161	0
10	120	62	720	72	2300	3082	72	3000	150	3000	150	3140	3140	0	162	162	0
10	220	62	720	82	2300	3082	82	3000	150	3000	150	3150	3150	0	162	162	0
10	120	62	710	72	2300	3072	72	3000	160	3000	160	3150	3150	0	162	162	0
10	1750	62	710	62	2290	3062	62	3000	170	3000	170	3160	3160	0	163	163	0
10	160	62	700	72	2310	3072	72	3000	150	3000	150	3170	3170	0	166	166	0
10	170	62	700	72	2310	3072	72	3000	160	3000	160	3150	3150	0	140	140	0
10	270	62	710	294	2300	3072	294	2778	160	3000	160	3150	3150	0	145	145	0
10	370	62	710	1420	2180	2952	1420	1532	150	3000	150	3160	3160	0	164	164	0
10	270	62	710	0	2100	2872	0	2872	150	3000	150	3150	3150	0	164	164	0
10	280	62	710	451	2100	2872	451	2421	160	3000	160	3150	3150	0	169	169	0
10	380	62	710	1691	2100	2872	1691	1181	150	3000	150	3160	3160	0	171	171	0
10	380	62	710	2144	2100	2872	2144	728	160	3000	160	3150	3150	0	169	169	0
10	390	62	710	1796	2100	2872	1796	1076	180	3000	180	3160	3160	0	169	169	0
10	200	62	710	921	2100	2872	921	1951	180	3000	180	3180	3180	0	166	166	0
10	210	62	710	22	2250	3022	22	3000	180	3000	180	3180	3180	0	168	168	0
10	110	62	700	92	2330	3092	92	3000	180	3000	180	3150	3150	0	170	170	0
10	1610	62	700	92	2330	3092	92	3000	130	3000	130	3150	3150	0	169	169	0
10	210	62	700	102	2340	3102	102	3000	100	3000	100	3150	3150	0	170	170	0
10	1210	62	710	0	2330	3102	0	3102	0	3070	3070	89	81	170	0	5	5
10	110	62	710	102	2330	3102	102	3000	40	3000	3040	171	0	171	6	0	6
10	110	62	710	0	2330	3102	0	3102	0	3000	3000	0	161	161	0	6	6
10	110	62	710	0	2330	3102	0	3102	0	2980	2980	0	152	152	0	7	7
10	110	62	700	92	2330	3092	92	3000	0	2970	2970	153	0	153	0	6	6
10	110	62	700	82	2320	3082	82	3000	0	2970	2970	150	0	150	0	7	7
10	110	62	700	0	2160	2922	0	2922	0	2760	2760	78	0	78	0	7	7
10	110	62	700	0	2050	2812	0	2812	0	2680	2680	0	0	0	0	6	6
10	170	62	700	0	1970	2732	0	2732	0	2670	2670	0	0	0	0	6	6
10	30	62	700	0	1970	2732	0	2732	0	2630	2630	0	0	0	0	6	6
10	30	62	700	0	1960	2722	0	2722	0	2560	2560	0	104	104	0	6	6
10	-30	62	690	0	2050	2802	0	2802	0	2560	2560	0	112	112	0	6	6
10	-30	62	700	0	2070	2832	0	2832	0	2560	2560	0	131	131	0	6	6
10	-130	62	700	0	2100	2862	0	2862	0	2600	2600	0	138	138	0	6	6
10	30	62	700	0	2090	2852	0	2852	0	2630	2630	128	0	128	0	6	6

DATE	JACKSON LAKE Contents Ac. Ft.	SNAKE R. AT MORAN			MORAN TO HEISE		DATE	SNAKE R. AT RILEY		HEISE DITCH TOTAL	STORAGE INFLOW HEISE TO SHELLEY			DIV. HEISE - SHELLEY			HENRYS FR. NR. R.			
		STOR.	NORM.	TOTAL	STORAGE LOSS	STORAGE DIVERSIONS		STOR.	NORM.		KELLY SPRINGS	MARKET SPRINGS	ROBERTS SLOUGH	STOR.	NORM.	TOTAL	HEISE TO SHELLEY STORAGE LOSS	STOR.	NORM.	
JUN. 12	607640	-2647	2671	24			JUN. 12	-2581												
13	612890	-2647	2947	300	-66		13	-2581	11700	9123			7							
14	618140	-2647	3257	1210	-66		14	-1996	11800	9223			8	1	6287	6288	-126	-190	1970	
15	622200	-3025	4305	1280	-51		15	-2949	12699	10703			8	1	6820	6821	-126	-212	1952	
16	628200	-3883	4305	422	-76		16	-3786	12052	12104			8	1	7532	7533	-98	-164	1964	
17	635900	-2788	2812	24	-97		17	-3786	15898	12112			8	1	7709	7710	-144	-224	1974	
18	641430	-3714	3735	21	-70		18	-2718	14640	11923			8	11	7788	7799	-185	-177	1977	
19	650340	-3297	3317	20	-82		19	-3621	15743	12122			8	167	7934	8101	-132	-178	1563	
20	656880	-2808	2826	18	-70		20	-3215	15743	12022			8	315	8029	8344	-176	-86	1936	
21	662450	-3297	3495	198	-82		21	-2738	15237	12022			8	399	8069	8468	-157	38	1292	
22	668990	-1099	2489	1390	-27		22	-3215	13961	11223			8	388	8027	8415	-134	-93	1383	
23	671170	-852	2752	1900	-21		23	-1072	13893	10628			8	232	7926	8158	-157	-54	1334	
24	672860	-1230	2710	1480	-31		24	-831	12299	11227			8	221	7875	8096	-52	-170	1350	
25	675300	-1351	2451	1100	-34		25	-1199	12958	12127			8	169	8022	8191	-41	-45	1175	
26	677980	-615	1655	1040	-15		26	-1317	12927	11728			8	195	8042	8237	-58	-14	1094	
27	679200	370	1600	1970	9		27	-600	12344	11027			8	215	8019	8234	-64	-26	1046	
28	678230	1750	1550	3300	44		28	361	10518	9918			8	210	7871	8081	-29	-46	1013	
29	673840	2480	1500	3980	62		29	1706	9599	9960			8	211	7855	8066	18	142	948	
30	670680	1560	1450	3010	39		30	2418	8421	10327			8	334	7750	8084	83	223	847	
JUL. 1	668260	950	1450	2400	24		JUL. 1	1521	9005	11423			8	201	7628	7829	118	65	1105	
2	666080	1730	1450	3180	43		2	926	9002	10523			8	211	7288	7499	74	430	890	
3	661960	1510	1450	2960	38		3	1687	8360	9276			8	575	6858	7433	45	532	818	
4	661000	-1116	1400	284	-28		4	1472	7639	9326			8	769	6736	7505	82	446	814	
5	662930	-90	1400	1310	-2		5	-1088	8744	10216			8	452	6800	7252	72	208	770	
6	662210	2470	1400	3870	62	0	6	-88	8143	7055			8	-207	6672	6465	-53	-298	1194	
7	656400	3910	1350	5260	98	16	7	2408	6798	6710			8	-230	6705	6475	-4	-246	1189	
8	649130	4350	1400	5750	109	16	8	3796	6585	8993			8	-35	6785	6750	118	-125	1048	
9	641910	3780	2000	5780	94	16	9	4225	6618	10414			8	1035	6635	7670	186	-29	974	
10	633250	4410	1700	6110	110	16	10	3670	6987	11212			8	1377	6694	8071	206	-184	1134	
11	624120	4490	1600	6090	112	16	11	4284	7653	11323			8	1799	6677	8476	179	-105	1001	
12	614560	4620	1500	6120	115	16	12	4362	7099	11333			8	1851	6680	8531	209	-161	1007	
13	605480	4420	1500	5920	110	16	13	4362	7099	11333			7	1975	6540	8515	214	-113	909	
14	597150	4310	1460	5770	108	16	14	4489	6666	11028			7	1975	6540	8515	214	-113	909	
15	587660	4290	1440	5730	107	16	15	4489	6666	11028			7	1825	6339	8164	219	-46	837	
16	579360	4300	1400	5700	108	16	16	4186	6736	11225			7	1825	6534	8359	204	-41	837	
17	570860	4590	1350	5940	115	16	17	4186	6238	10424			7	1991	6288	8279	204	-240	985	
18	560960	5240	1340	6580	131	16	18	4176	6052	10228			7	2025	6244	8269	218	-215	990	
19	550150	5400	1320	6720	135	16	19	4459	5563	10022			7	2137	6162	8299	249	-45	836	
20	539620	5370	1300	6670	134	16	20	5093	5430	10523			7	0	2343	5963	8306	256	-22	846
21	530020	5010	1300	6310	125	16	21	5249	5374	10623			7	9	2376	5829	8205	255	-44	956
22	520490	4350	1300	5650	109	16	22	5220	5607	10827			7	16	2245	5836	8081	238	-1	1091
23	512590	3830	1300	5130	96	16	23	4869	5557	10426			7	16	2089	5801	7890	206	129	1101
24	505400	4060	1250	5310	101	16	24	4225	5649	9874			7	7	2034	5747	7781	181	253	927
25	496620	4250	1150	5400	106	16	25	3718	5426	9144			7	11	1892	5653	7545	193	276	834
26	487160	4380	1100	5480	109	16	26	3943	5337	9280			7	15	1924	5708	7632	202	88	1012
27	479120	3940	1050	4990	99	16	27	4128	5182	9310			7	11	1359	5670	7029	208	42	1048
28	472470	3600	1000	4600	90	16	28	4255	5446	9701			7	8	1409	5656	7065	187	32	1008
29	464910	2950	1100	4050	74	16	29	3825	5693	9518			7	14	1353	5710	7063	171	6	961
30	459440	2010	1000	3010	50	16	30	3494	5362	8856			7	2	1932	5531	7463	140	-59	933
31	454420	2500	900	3400	62	16	31	2860	5641	8501			7	0	2035	5188	7223	95	-105	896
AUG. 1	448960	3340	800	4140	84	16	AUG. 1	1944	5168	7112			7	9	1759	5004	6763	118	-167	907
2	441000	5220	800	6020	130	16	2	2422	4750	7172			7	14	1868	5019	6887	158	-87	802
3	431050	5280	1000	6280	132	16	3	3240	4156	7396			7	14	1835	4999	6834	248	-203	983
4						11	4	5074	4075	9149			7	0	1941	4937	6878	250	-81	960
								5132	4355	9487			7	0	2434	4957	7391	240		
								4918	4397	9315			7	0						

DAILY SUMMARY OF DATA AT AND BETWEEN

24 HOUR SECOND FEET EXCEPT AS NOTED

EXBURG TOTAL	DATE	SNAKE R. NR. SHELLEY			DIV. SHELLEY-BLACKFOOT			SHELLEY BLACKFOOT STORAGE LOSS	THEORETICAL BALANCE STORAGE AT BLACKFOOT	DATE	BLACKFOOT RIVER	SNAKE R. AT CLOUGH			CALCULATED INFLOW CLOUGH TO SHELLEY	DATE	AM. FALLS RESERVOIR Contents Ac. Ft.
		STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL					STOR.	NORM.	TOTAL			
1780	JUN. 13	-2639	7939	5300												JUN 15	1456250
1540	14	-2660	6980	4320												16	1447500
1300	15	-2055	7005	4950				-158	-2481	JUN. 14	5	-2480	3770	1290	2624	17	1438760
1200	16	-3072	9062	5990				-160	-2500	15	0	-2499	3379	880	2640	18	1432590
1320	17	-3781	9541	5760				-123	-1932	16	0	-1931	3631	1700	2637	19	1423340
1390	18	-2918	8368	5450				-184	-1932	17	1	-2887	5047	2160	2608	20	1419600
1350	19	-3838	9228	5390				-227	-2888	18	1	-3554	5444	1890	2601	21	1407400
1330	20	-3411	8801	5390				-175	-3554	19	9	-2743	4573	1830	2587	22	1397270
1310	21	-3057	7947	4890				-230	-2743	20	12	-3608	5488	1880	2582	23	1387190
1280	22	-3336	7706	4370				-205	-3608	21	17	-3206	4986	1780	2576	24	1373570
1180	23	-1403	6203	4800				-183	-3206	22	15	-2874	4254	1380	2571	25	1365500
1130	24	-996	6206	5210				-200	-3136	23	13	-3136	4236	1100	2559	26	1353920
1080	25	-1342	6232	4890				-84	-1319	24	4	-1319	2849	1530	2554	27	1340550
1020	26	-1486	5746	4260				-60	-936	25	1	-936	2426	1490	2546	28	1324220
967	27	-819	4439	3420				-81	-1261	26	1	-1261	2371	1110	2542	29	1309370
1090	28	282	3398	3680				-89	-1397	27	1	-1397	1991	594	2557	30	1285930
1090	29	1520	2930	4450				-49	-770	28	1	-770	1098	328	2564	31	1274730
1170	30	2172	3528	5700				17	265	29	14	246	164	410	2563	JUL 1	1261580
1320	JUL. 1	1674	3476	5150	0	3401	3401	91	1429	30	13	1547	163	1710	2555	2	1249040
1350	2	846	3344	4190	0	3430	3430	130	2042	JUL. 1	13	1827	163	1990	2561	3	1237050
1260	3	1290	2930	4220	0	3289	3289	100	1574	2	11	1139	161	1300	2548	4	1225060
978	4	1144	3226	4390	-1096	3343	2247	51	795	3	10	571	160	731	2545	5	1208280
896	5	-1118	3818	2700	-1096	3211	2115	77	1213	4	6	1364	156	1520	2552	6	1190860
923	6	-112	2342	2230	-1096	3094	1998	136	2124	5	1	1109	151	1260	2581	7	1172490
923	7	2208	1292	3500	1075	1857	2932	-1	-21	6	1	227	151	378	2540	8	1157970
945	8	2554	1536	4090	1035	2289	3324	59	925	7	1	27	151	178	2537	9	1140450
950	9	2466	1794	4260	1352	2151	3503	68	1065	8	1	57	151	208	2538	10	1123860
896	10	1595	2465	4060	1328	2109	3437	91	1428	9	4	291	154	445	2527	11	1106540
846	11	2071	1899	3970	1443	1761	3204	67	1097	10	2	322	152	474	2521	12	1091210
796	12	2067	1873	3940	1390	1788	3178	16	251	11	1	417	151	568	2543	13	1074530
791	13	2406	1584	3990	1601	1800	3401	38	590	12	1	431	151	582	2542	14	1057700
750	14	2227	1523	3750	1620	1700	3320	41	636	13	1	365	151	516	2524	15	1040100
735	15	2066	1374	3440	1611	1497	3108	48	757	14	1	254	151	405	2532	16	1022160
796	16	2105	1145	3250	1459	1324	2783	41	636	15	1	127	151	278	2529	17	1004990
745	17	1749	1311	3060	1680	1206	2886	4	65	16	1	47	151	198	2524	18	988680
775	18	2009	1041	3070	1759	1039	2798	27	428	17	1	69	151	220	2541	19	971430
791	19	2669	771	3440	1765	1154	2919	39	607	18	1	17	151	168	2544	20	955150
824	20	2635	1165	3800	1618	1265	2883	15	235	19	1	11	151	162	2564	21	940180
912	21	2561	1699	4260	1544	1285	2829	54	850	20	1	119	151	270	2558	22	924010
1090	22	2408	1852	4260	1577	1177	2754	61	956	21	1	692	151	843	2569	23	910660
1230	23	2083	1887	3970	1609	1262	2871	61	956	22	1	1069	151	1220	2577	24	895870
1180	24	1771	1759	3530	1074	1250	2324	41	956	23	3	987	153	1140	2573	25	882140
1110	25	2153	1347	3500	1042	1260	2322	50	781	24	11	929	161	1090	2575	26	868420
1100	26	2113	1527	3640	1029	1248	2277	28	446	25	25	895	175	1070	2572	27	857190
1090	27	2748	1512	4260	1031	1248	2279	42	655	26	19	991	169	1160	2585	28	845370
1040	28	2276	1944	4220	1498	1257	2755	42	1024	27	7	1273	157	1430	2595	29	829750
967	29	1997	1623	3420	1507	1236	2743	65	1019	28	3	1377	153	1530	2596	30	814020
874	30	738	2182	2920	1557	1143	2700	65	1614	29	2	948	152	1100	2582	31	799940
791	31	-283	2583	2300	698	995	1693	29	731	30	2	495	152	647	2575	JUL 1	783720
740	AUG. 1	395	1685	2080	528	985	1513	-49	461	31	1	163	151	314	2577	2	769660
750	2	1128	1022	2150	540	997	1537	-59	-922	AUG. 1	1	405	151	556	2580	3	755240
715	3	2926	424	3350	787	946	1733	-8	-125	2	1	274	151	425	2601	4	740390
780	4	2745	695	3440	1597	822	2419	35	553	3	2	593	152	745	2587	5	725640
879	5	2170	1060	3230	1671	786	2457	128	2011	4	17	903	167	1070	2584	6	
								69	1079	5	6	631	156	787	2583	7	
								30	469	6	5	779	155	934	2586		

SNAKE RIVER GAGING STATIONS 1941

SNAKE R. AT NEELEY			LAKE WALCOTT		MINIDOKA CANALS				SNAKE R. AT MINIDOKA				DATE	MILNER LAKE GAGE	GOODING		
T-STOR.	NORM.	TOTAL	Contents Ac.Ft.	NORMAL FLOW CREDIT	NORTH	SOUTH	TOTAL	STOR.	NORM.	STOR.	NORM.	TOTAL			STOR.	NORM.	TOTAL
1496	6394	8090	92 860		1150	755	1905	179	1726	1882	4468	6550	JUN. 16	10.79	1200	0	1200
2071	6019	8090	91 810		1180	804	1984	179	1726	2287	4293	6580	17	10.76	1240	0	1240
1992	6268	8260	89 830		1250	886	2136	258	1726	2118	4542	6660	18	10.84	1240	0	1240
965	7655	8620	88 660		1340	998	2338	410	1726	1082	5768	6850	19	11.01	1240	0	1240
745	8045	8790	87 270		1320	1040	2360	457	1887	1191	5899	7090	20	11.06	1240	0	1240
1430	7160	8790	84 330		1250	1040	2290	214	2146	1546	5434	6980	21	10.60	1260	0	1260
680	8070	8750	85 870		1200	989	2189	564	1726	919	5881	6800	22	11.00	1300	0	1300
1278	7562	8840	85 400		1200	992	2192	0	2189	921	5819	6740	23	10.80	1370	0	1370
2185	6825	9010	84 470		1280	1050	2330	449	1743	921	5819	6740	24	10.36	1370	0	1370
2345	6795	9140	81 960		1420	1130	2550	604	1726	1671	5099	6770	25	10.53	1440	0	1440
3827	5403	9230	81 400		1450	1170	2620	824	1726	1971	5069	7040	26	10.54	1470	0	1470
4828	4972	9800	80 160		1470	1150	2620	894	1726	3713	3677	7390	27	10.36	1470	0	1470
5387	4913	10300	79 030		1550	1200	2750	1048	1572	4120	3400	7520	28	10.56	1480	0	1480
5852	4548	10400	77 900		1560	1200	2760	1237	1513	4400	3400	7800	29	10.72	1480	0	1480
6738	3662	10400	77 680		1480	1010	2490	1612	1148	4530	3400	7980	30	10.89	1480	0	1480
7473	2727	10200	77 900		1480	1010	2490	2228	262	4580	3400	7980	JUL. 1	10.94	1480	0	1480
7382	2718	10100	78 130		1480	995	2475	2490	0	5093	2727	7820	2	10.90	1470	0	1470
7476	2724	10200	78 580		1510	1020	2530	2435	0	4832	2718	7550	3	10.80	1470	0	1470
7491	2709	10200	78 350		1530	1100	2630	2530	0	4826	2724	7550	4	10.74	1470	0	1470
7495	2705	10200	78 020		1530	1130	2660	2630	0	4951	2709	7660	5	10.84	1470	0	1470
7592	2708	10300	77 900		1530	1130	2660	2660	0	4905	2705	7610	6	10.88	1470	0	1470
7868	2732	10600	78 020		1560	1130	2690	2660	0	5032	2708	7740	7	10.88	1500	0	1500
8209	2691	10900	78 020		1580	1190	2770	2770	0	4958	2732	7690	8	10.82	1520	0	1520
8412	2688	11100	78 020		1580	1290	2870	2870	0	5189	2691	7880	9	10.86	1520	0	1520
8511	2689	11200	77 560		1580	1290	2870	2870	0	5432	2688	8120	10	10.86	1520	0	1520
8619	2681	11300	77 680		1610	1290	2900	2900	0	5621	2689	8310	11	10.94	1560	0	1560
9027	2673	11700	77 900		1610	1290	2900	2900	0	5629	2681	8310	12	11.02	1590	0	1590
8906	2694	11600	78 350		1610	1290	2900	2900	0	5637	2673	8310	13	10.96	1590	0	1590
8407	2693	11100	78 470		1610	1290	2900	2900	0	5616	2694	8310	14	11.00	1590	0	1590
8325	2675	11000	78 470		1610	1290	2900	2900	0	5617	2693	8310	15	10.92	1590	0	1590
8417	2683	11100	78 020		1600	1290	2890	2890	0	5635	2675	8310	16	10.90	1590	0	1590
8520	2680	11200	77 790		1600	1290	2890	2890	0	5707	2683	8390	17	10.89	1590	0	1590
8425	2675	11100	77 450		1600	1290	2890	2890	0	5710	2680	8390	18	10.86	1590	0	1590
8508	2692	11200	76 660		1600	1290	2890	2890	0	5685	2675	8360	19	10.86	1590	0	1590
8805	2695	11500	77 560		1600	1280	2880	2880	0	5668	2692	8340	20	10.91	1590	0	1590
8785	2715	11500	77 680		1600	1240	2840	2840	0	5665	2695	8360	21	10.90	1590	0	1590
8791	2709	11500	77 450		1600	1250	2850	2850	0	5645	2715	8360	22	10.99	1590	0	1590
8580	2720	11300	77 680		1600	1240	2840	2840	0	5651	2709	8360	23	11.00	1590	0	1590
8472	2728	11200	77 680		1610	1240	2850	2850	0	5560	2720	8280	24	10.96	1580	0	1580
8674	2726	11400	77 450		1600	1260	2860	2860	0	5522	2728	8250	25	10.92	1580	0	1580
8564	2736	11300	77 680		1540	1270	2810	2810	0	5554	2726	8280	26	10.96	1590	0	1590
8453	2747	11200	78 020		1490	1270	2760	2760	0	5604	2736	8340	27	10.96	1590	0	1590
8246	2754	11000	78 350		1440	1180	2620	2620	0	5503	2747	8250	28	11.05	1590	0	1590
7748	2752	10500	78 020		1390	1130	2520	2520	0	5416	2754	8170	29	11.04	1580	0	1580
7551	2749	10300	77 230		1340	1110	2450	2450	0	5398	2752	8150	30	11.02	1570	0	1570
7566	2734	10300	76 660		1310	1110	2420	2420	0	5291	2749	8040	31	11.00	1550	0	1550
7773	2727	10700	77 000		1340	1110	2450	2450	0	5146	2734	7880	32	10.82	1540	0	1540
7972	2728	10800	77 450		1290	1100	2390	2390	0	5203	2727	7930	AUG. 1	10.82	1530	0	1530
8069	2731	10800	78 020		1210	1090	2300	2300	0	5252	2728	7980	2	10.84	1526	0	1526
8048	2752	10800	77 450		1250	1090	2340	2340	0	5279	2731	8010	3	10.91	1520	0	1520
8061	2739	10800	77 450		1280	1090	2370	2370	0	5338	2752	8090	4	10.98	1510	0	1510
8049	2751	10800	78 920		1320	1160	2480	2480	0	5241	2739	7980	5	10.90	1490	0	1490
8261	2739	11000	79 260		1340	1160	2500	2500	0	5229	2751	7980	6	10.92	1450	0	1450
8159	2741	10900	79 260		1340	1160	2500	2500	0	5241	2739	7980	7	10.93	1400	0	1400
									0	5269	2741	8010	8	10.86	1390	0	1390

T.S.	NORTH SIDE CANAL CO.					TWIN FALLS CAN. CO.			MILNER LOW LIFT			SNAKE R AT MILNER		
	GOODING	MAIN	TOTAL	STOR.	NORM.	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL
62	710	1940	2712	770	1942	0	2720	2720	138	0	138	0	6	6
62	710	1890	2662	1175	1487	0	2800	2800	127	0	149	0	6	6
62	710	1890	2662	1046	1616	0	2920	2920	149	0	149	0	6	6
62	710	1990	2742	0	2762	10	3000	3010	149	0	149	0	6	6
62	710	2120	2872	0	2872	90	3000	3090	149	0	149	0	7	7
62	710	2050	2822	388	2434	90	3000	3090	140	0	140	11	0	11
62	710	2100	2872	0	2872	80	3000	3080	116	0	116	0	9	9
62	710	2040	2812	0	2812	80	3000	3080	125	0	125	0	7	7
62	700	2120	2882	783	2099	130	3000	3130	145	0	145	6	0	6
62	710	2140	2912	843	2069	160	3000	3160	146	0	146	6	0	6
62	700	2180	2942	2265	677	170	3000	3170	146	0	146	6	0	6
62	700	2210	2972	2572	400	180	3000	3180	146	0	146	6	0	6
62	710	2250	3022	2622	400	180	3000	3180	146	0	146	6	0	6
62	710	2240	3012	2612	400	180	3000	3180	146	0	146	6	0	6
62	710	2210	2982	2582	400	160	3000	3160	145	0	145	6	0	6
62	710	2190	2962	2641	321	734	2406	3140	164	0	164	6	0	6
62	710	2190	2962	2642	320	752	2398	3150	165	0	165	6	0	6
62	710	2240	3012	2691	321	787	2403	3170	163	0	163	6	0	6
62	710	2260	3032	2714	318	779	2391	3170	166	0	166	6	0	6
62	710	2300	3072	2754	318	793	2387	3180	168	0	168	6	0	6
62	710	2340	3112	2794	318	810	2390	3200	168	0	168	7	0	7
62	710	2430	3202	2881	321	809	2411	3220	166	0	166	7	0	7
63	710	2520	3293	2976	317	876	2374	3250	161	0	161	7	0	7
63	710	2530	3303	2987	316	988	2372	3260	165	0	165	7	0	8
63	760	2540	3363	3047	316	1037	2373	3270	166	0	166	8	0	8
63	790	2550	3403	3087	316	1035	2365	3200	166	0	166	8	0	8
63	790	2580	3433	3119	314	1051	2359	3270	166	0	166	8	0	9
63	790	2580	3433	3116	317	1043	2377	3220	166	0	166	8	0	9
63	790	2580	3433	3116	317	1054	2376	3230	167	0	167	9	0	8
63	790	2580	3433	3118	315	1100	2360	3260	163	0	163	8	0	8
63	790	2580	3433	3117	316	1103	2367	3270	163	0	163	8	0	8
63	790	2580	3433	3117	316	1105	2365	3270	163	0	163	8	0	8
63	780	2580	3423	3108	315	1120	2360	3280	163	0	163	8	0	8
63	780	2590	3433	3118	315	1120	2360	3280	163	0	163	8	0	8
63	780	2620	3463	3146	317	1115	2375	3290	163	0	163	8	0	8
63	780	2620	3463	3146	317	1112	2378	3290	163	0	163	8	0	8
63	780	2620	3463	3144	319	1134	2396	3330	163	0	163	8	0	8
63	780	2620	3463	3144	319	1170	2390	3560	163	0	163	8	0	9
63	780	2620	3463	3144	319	1170	2390	3560	163	0	163	8	0	11
63	780	2630	3473	3153	320	1190	2400	3590	163	0	163	8	0	10
63	780	2630	3483	3162	321	1163	2407	3570	163	0	163	11	0	9
63	790	2630	3483	3162	321	1163	2407	3570	163	0	163	10	0	9
63	790	2630	3482	3161	321	1155	2405	3560	163	0	163	10	0	9
62	790	2630	3482	3161	321	1155	2405	3500	164	0	164	9	0	9
62	790	2640	3492	3170	322	1086	2414	3570	164	0	164	9	0	9
62	790	2640	3492	3169	323	1046	2424	3470	166	0	166	9	0	9
62	790	2640	3492	3169	323	1046	2424	3470	166	0	166	9	0	9
62	790	2640	3492	3169	323	1046	2424	3470	166	0	166	9	0	9
62	790	2640	3492	3169	323	1046	2424	3470	166	0	166	9	0	9
62	790	2640	3492	3169	323	1046	2424	3470	166	0	166	9	0	9
62	790	2640	3492	3169	323	1046	2424	3470	166	0	166	9	0	9
62	790	2640	3492	3169	323	1046	2424	3470	166	0	166	9	0	9
62	790	2640	3492	3169	323	1046	2424	3470	166	0	166	9	0	9
62	790	2640	3492	3169	323	1046	2424	3470	166	0	166	9	0	9
62	790	2640	3492	3169	323	1046	2424	3470	166	0	166	9	0	9
59	790	2620	3463	3139	324	1012	2428	3440	166	0	166	9	0	8
63	790	2610	3463	3139	324	1005	2425	3430	166	0	166	9	0	8
63	790	2580	3433	3109	322	1018	2412	3430	164	0	164	8	0	8
63	790	2560	3413	3091	321	1034	2406	3440	164	0	164	8	0	8
63	790	2560	3413	3092	321	1034	2406	3440	164	0	164	8	0	8
63	790	2560	3413	3102	321	1013	2407	3420	164	0	164	8	0	8
63	790	2570	3423	3102	321	990	2410	3400	164	0	164	8	0	8
63	790	2570	3423	3102	321	990	2410	3400	164	0	164	8	0	8
63	790	2570	3423	3099	324	992	2428	3420	164	0	164	8	0	8
63	790	2570	3423	3101	322	1023	2417	3440	164	0	164	8	0	8
63	790	2570	3423	3101	322	1023	2417	3440	164	0	164	8	0	8
63	790	2570	3423	3119	324	1043	2427	3470	163	0	163	8	0	8
63	790	2590	3443	3141	322	1083	2417	3500	163	0	163	8	0	8

DATE	JACKSON LAKE Contents Ac.Ft.	SNAKE R. AT MORAN			MORAN TO HEISE		DATE	SNAKE R. AT HEISE PLUS RILEY DITCH			STORAGE INFLOW HEISE TO SHELLEY			DIV. HEISE - SHELLEY			HEISE TO SHELLEY STORAGE LOSS		HENRYS FK. M	
		STOR.	NORM.	TOTAL	STORAGE LOSS	STORAGE DIVERSION		STOR.	NORM.	TOTAL	KELLY SPRINGS	MARLEY SPRINGS	ROBERTS SLOUGH	STOR.	NORM.	TOTAL	STOR.	NORM.	STOR.	NORM.
AUG. 4	410 360	5020	1000	6020	125															
5	400 730	4750	1000	5750	119	16	AUG. 5													
6	390 680	4560	1000	5560	114	16	6	4879	4405	9284	0	7	2558	4951	7509	238	-84			
7	381 160	4380	1100	5480	110	16	7	4615	4530	9145	0	7	2431	4974	7405	226	-69			
8	372 300	3920	1500	5420	98	12	8	4430	4534	8964	1	7	2589	4931	7520	216	-45			
9	364 610	3410	1800	5210	85	0	9	4258	4505	8763	1	7	2112	4941	7053	208	-17			
10	358 910	3010	1800	4810	75		10	3822	5444	9316	1	7	1657	4934	6591	187	-35			
11	352 550	1201	2379	3580	30		11	3325	5984	9309	0	7	1375	4769	6144	167	-1			
12	351 470	0	1200	1240	0		12	2935	5922	8857	0	7	1092	5165	6257	143	96			
13	352 330	0	868	868	0		13	1171	7997	9168		7	224	5074	5298	57	380			
14	352 330	0	854	854	0		14	0	6854	6854		7	-88	4868	4780	0	210			
15	352 110	0	854	854	0		15	0	5490	5490		7	-93	4536	4443	0	121			
16	352 550	0	963	963	0		16	0	5184	5184		7	0	4175	4175	0	444			
17	351 670	480	860	1340	12		17	0	5104	5104		7	0	4259	4259	0	498			
18	350 140	480	860	1340	12		18	468	5084	5084		7	0	4247	4247	0	477			
19	349 700	480	860	1340	12		19	448	5148	5616		7	0	4488	4488	23	193			
20	349 700	600	860	1460	15		20	585	5037	5505		7	5	4907	4912	23	75			
21	348 600	2030	860	2890	51		21	1979	4027	6006		7	6	5382	5388	23	-105			
22	342 960	3200	850	4050	80		22	3120	4828	7948		7	85	5443	5528	29	-366			
23	336 020	3180	850	4030	80		23	3100	4848	7948		7	269	5117	5386	97	-151			
24	330 160	3170	850	4020	79		24	3091	4794	7887		7	174	5434	5608	152	-122			
25	323 690	2970	850	3820	74		25	2896	4884	7780		7	368	5426	5794	151	-393			
26	318 750	2330	1100	3430	58		26	2272	5222	7494		7	520	5249	5769	151	-101			
27	314 670	1470	1410	2880	37		27	1433	5619	7052		7	539	5237	5776	141	23			
28	312 100	1650	900	2550	41		28	1609	4769	6378		7	543	5150	5693	111	-290			
29	308 020	1910	800	2710	48		29	1862	4406	6268		7	652	5142	5794	70	40			
30	303 750	2310	850	3160	58		30	2252	4458	6710		7	651	5229	5880	78	-43			
31	299 510	2170	900	3070	54		31	2116	4474	6590		7	417	5325	5942	91	170			
SEP. 1	295 270	2220	800	3020	55		SEP. 1	2165	4244	6409		7	585	5364	5949	110	137			
2	290 390	2530	800	3330	63		2	2447	4123	6590		7	576	5455	6031	103	113			
3	284 660	3500	800	4300	88		3	3412	3700	7112		7	508	5386	5894	106	12			
4	277 330	4090	800	4890	102		4	3988	4126	8114		7	532	5487	6019	120	-127			
5	269 370	3740	800	4540	94		5	3646	4297	7943		7	631	5486	6117	166	-107			
6	261 640	3400	800	4200	85		6	3315	4438	7753		7	1057	5031	6088	195	-121			
7	255 440	2960	800	3760	74		7	2886	4409	7495		7	1091	5136	6227	178	-55			
8	250 270	2210	800	3010	55		8	2155	4732	6887		7	904	5073	5977	162	-27			
9	245 720	1690	800	2490	42		9	1648	4438	6086		7	679	5221	5900	141	-56			
10	242 830	1730	800	2530	43		10	1687	4290	5977		7	468	5444	5912	105	7			
11	239 570	1810	800	2610	45		11	1765	4162	5927		7	503	5243	5746	80	66			
12	235 490	1620	800	2420	40		12	1580	4317	5897		7	622	5355	5977	82	26			
13	232 840	1100	800	1900	28		13	1072	4188	5260		7	605	5434	6039	86	100			
14	230 590	1090	800	1890	27		14	1063	4020	5083		7	580	5589	6169	77	158			
15	228 550	980	900	1880	24		15	956	4229	5185		7	519	5460	5979	53	72			
16	227 130	760	1100	1860	19		16	741	4344	5085		7	522	5274	5796	52	121			
17	225 290	670	1000	1670	17		17	653	4401	5054		7	535	5326	5861	47	104			
18	223 860	296	1174	1470	7		18	289	4615	4904		7	457	5320	5777	36	35			
19	223 250	760	1000	1760	19		19	741	4083	4824		7	424	5254	5678	32	114			
20	222 030	1180	1000	2180	30		20	1150	4215	5365		7	372	5279	5651	14	184			
21	219 820	940	1000	1940	23		21	917	4298	5215		7	320	5165	5485	36	151			
22	217 610	740	1000	1740	19		22	721	4464	5185		7	271	4996	5267	57	80			
23	216 000	60	1000	1060	2		23	58	4726	4784		7	273	4858	5131	45	44			
24	215 800			242			24					7	70	5069	5139	35	27			
TOTALS	141409			3533	524		137352				15	834	146	90603		6722	-11873			

DAILY SUMMARY OF DATA AT AND BETWEEN

24 HOUR SECOND FEET EXCEPT AS

REXBURG		DATE	SNAKE R. NR. SHELLEY			DIV. SHELLEY-BLACKFOOT			SHELLEY BLACKFOOT STORAGE LOSS	THEORETICAL BALANCE STORAGE AT BLACKFOOT	DATE	BLACKFOOT RIVER	SNAKE R. AT CLOUGH			CALCULATED INFLOW CLOUGH TO NEELEY	DATE	AM. RESE. Content
M.	TOTAL		STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL					STOR.	NORM.	TOTAL			
051	967	AUG. 6	2006	1244	3250	1243	812	2655	44	717	AUG. 7	5	729	155	984	2578	AUG. 8	
009	940	7	1896	1294	3190	1342	799	2141	33	521	8	8	752	158	910	2588	9	
007	962	8	1588	1392	2980	1374	807	2181	13	201	9	5	646	155	801	2620	10	
223	906	9	1929	1141	3070	1293	802	2095	13	598	10	6	1044	156	1200	2639	11	
147	912	10	1951	2469	4420	1478	915	2393	38	445	11	5	2175	155	2330	2665	12	
79	978	11	1794	3156	4950	1320	846	2166	28	446	12	197	3333	347	3680	2665	13	
54	1150	12	1803	3677	5480	48	1452	1500	28	446	12	197	3333	347	3680	2665	13	
140	1620	13	1277	4773	6050	0	1654	1654	105	1650	13	152	2737	1663	4400	2669	14	
20	1430	14	305	4145	4450	0	1712	1712	77	1200	14	34	1200	2250	3450	2675	15	
29	1550	15	221	3719	3940	0	1636	1636	18	287	15	58	287	2393	2680	2678	16	
86	1430	16	451	3079	3530	0	1621	1621	13	208	16	220	208	2332	2540	2703	17	
52	1350	17	505	2685	3190	0	1614	1614	27	424	17	160	424	1676	2100	2693	18	
43	1220	18	484	2436	2920	0	1659	1659	30	425	18	139	425	1205	1680	2698	19	
87	1080	19	645	2245	2890	0	1787	1787	29	455	19	124	455	885	1340	2661	20	
165	1040	20	522	2348	2870	0	2110	2110	39	606	20	41	606	444	1050	2641	21	
25	1020	21	341	2099	2440	0	2413	2413	31	491	21	6	512	156	668	2638	22	
06	940	22	112	2158	2270	0	2157	2157	20	321	22	4	128	154	282	2639	23	
57	906	23	1469	1011	2480	511	1763	2274	7	105	23	4	48	154	202	2646	24	
06	884	24	2679	871	3550	1121	1672	2793	57	901	24	2	154	152	306	2637	25	
67	874	25	2195	1515	3710	1258	1596	2854	93	1465	25	2	649	152	801	2639	26	
21	1020	26	2326	1524	3850	1303	1522	2825	56	881	26	2	773	152	925	2641	27	
67	1090	27	2246	1554	3800	1312	1549	2861	61	962	27	2	824	152	976	2645	28	
50	1160	28	1335	2375	3710	1312	1531	2843	56	878	28	2	798	152	950	2645	29	
20	1260	29	758	2512	3270	1310	1509	2819	1	22	29	2	649	152	801	2648	30	
63	1320	30	844	1906	2750	878	1419	2297	-33	-519	30	2	509	152	661	2652	31	
50	1320	31	1331	1279	2610	853	1424	2277	-2	-32	31	1	335	151	484	2656	SEP. 1	
83	1320	SEP. 1	1701	979	2680	1087	1242	2329	29	449	SEP. 1	1	274	151	425	2649	2	
37	1250	2	1557	1003	2560	1329	1143	2472	37	577	2	0	148	150	298	2661	3	
848	1160	3	1570	790	2360	1215	1162	2377	14	214	3	0	48	150	198	2657	4	
37	1110	4	1695	705	2400	1417	925	2342	21	334	4	0	35	150	185	2650	5	
47	1040	5	2515	265	2780	1431	922	2353	17	261	5	0	30	150	180	2663	6	
21	1100	6	2622	968	3590	1372	1098	2470	65	1019	6	1	335	151	484	2666	7	
75	1120	7	2329	1241	3570	1338	1042	2380	75	1175	7	1	999	151	1150	2689	8	
87	1160	8	2229	1341	3570	1270	984	2254	60	931	8	4	1066	154	1220	2692	9	
66	1310	9	2017	1423	3440	1243	1003	2246	58	901	9	12	1158	162	1320	2687	10	
13	1420	10	1596	1574	3170	1042	1260	2302	46	728	10	14	1056	164	1220	2660	11	
24	1490	11	1138	1492	2630	1060	1289	2349	44	728	10	14	1056	164	1220	2660	11	
94	1520	12	1016	1344	2360	883	1156	2039	33	521	11	13	617	163	780	2664	12	
60	1460	13	1181	989	2170	915	1179	2094	33	521	11	13	617	163	780	2664	12	
72	1430	14	1088	942	2030	896	1079	1975	5	73	12	11	349	161	510	2667	13	
38	1410	15	579	1311	1890	398	1112	1510	8	125	13	8	292	158	450	2659	14	
59	1380	16	610	1120	1730	356	1106	1462	16	250	14	31	174	181	355	2665	15	
26	1430	17	478	1362	1840	354	1112	1466	12	180	15	37	123	187	310	2674	16	
75	1510	18	283	1567	1850	0	1407	1407	11	170	16	32	386	182	568	2677	17	
46	1460	19	311	1449	1760	0	1480	1480	15	239	17	37	305	187	492	2674	18	
16	1400	20	87	1723	1810	0	1644	1644	7	117	18	35	345	185	530	2673	19	
79	1380	21	536	1364	1900	0	1627	1627	17	266	19	35	393	185	588	2671	20	
50	1340	22	902	1328	2230	0	1820	1820	19	292	20	41	265	191	454	2668	21	
16	1360	23	643	1757	2400	0	1836	1836	19	292	20	41	265	191	454	2668	21	
63	1390	24	643	1997	2640	0	1821	1821	32	504	22	91	275	241	516	2718	23	
23	1510	25	82	2668	2750	0	1688	1688	32	504	22	91	275	241	516	2718	23	
23	1510	25	82	2668	2750	0	1688	1688	32	504	22	91	275	241	516	2718	23	
23	1510	25	82	2668	2750	0	1688	1688	32	504	22	91	275	241	516	2718	23	
23	1510	25	82	2668	2750	0	1688	1688	32	504	22	91	275	241	516	2718	23	
7			29149			72319			-2590	-40580					-40580			

N SNAKE RIVER GAGING STATIONS 1941

NOTED

FALLS VOIR S AC.Ft.	SNAKE R. AT NEELEY			LAKE WALCOTT		MINIDOKA CANALS					SNAKE R. AT MINIDOKA			DATE	MILNER LAKE GAGE	GOODING	
	STOR.	NORM.	TOTAL	Contents Ac.Ft.	NORMAL FLOW CREDIT	NORTH	SOUTH	TOTAL	STOR.	NORM.	STOR.	NORM.	TOTAL			STOR.	NORM.
710 490	8167	2733	10900	79370		1400	1200	2600	2600	0	5277	2733	8016	AUG. 9	10.82	1380	0
697 360	7854	2746	10600	79710		1440	1220	2660	2660	0	5234	2746	7980	10	10.91	1380	0
683 360	7725	2775	10500	79480		1440	1160	2600	2600	0	5205	2775	7980	11	11.02	1380	0
672 350	7505	2795	10300	79030		1340	1050	2390	2390	0	5215	2795	8010	12	10.95	1380	0
661 730	7380	2820	10200	78690		1230	952	2182	2182	0	5220	2820	8040	13	11.02	1380	0
655 750	6878	3012	9890	79260		1200	815	2015	2015	0	4888	3012	7900	14	11.03	1400	0
651 110	4988	4332	9320	79030		1140	779	1919	987	932	4210	3400	7610	15	11.00	1450	0
644 260	4215	4925	9140	78800		1080	790	1870	345	1525	3960	3400	7360	16	10.92	1450	0
637 820	4069	5071	9140	78130		1040	837	1877	206	1671	3940	3400	7340	17	10.86	1440	0
629 760	4105	5035	9140	77680		1040	860	1900	265	1635	3960	3400	7360	18	10.80	1440	0
620 100	5131	4369	9500	76770		1100	958	2058	1089	949	4020	3400	7420	19	10.70	1440	0
609 040	6697	3903	10600	76550		1220	1110	2330	1827	503	4100	3400	7500	20	10.73	1450	0
596 220	7754	3546	11300	78350		1400	1210	2610	2464	146	4370	3400	7770	21	10.83	1450	0
581 340	7915	3085	11000	79260		1440	1290	2730	2730	0	5035	3085	8120	22	10.90	1450	0
566 500	7806	2794	10600	78920		1440	1290	2730	2730	0	5296	2794	8090	23	10.90	1450	0
550 290	7807	2793	10600	77340		1410	1290	2700	2700	0	5357	2793	8150	24	10.92	1450	0
535 030	7800	2800	10600	77000		1370	1290	2660	2660	0	5370	2800	8170	25	11.00	1450	0
519 650	7811	2789	10600	76550		1360	1290	2650	2650	0	5221	2789	8010	26	11.02	1450	0
508 260	7809	2791	10600	77110		1360	1300	2660	2660	0	5029	2791	7820	27	10.85	1430	0
493 000	7707	2793	10500	76100		1320	1280	2600	2600	0	5087	2793	7880	28	10.82	1410	0
479 720	7903	2797	10700	76770		1320	1280	2600	2600	0	5083	2797	7880	29	10.72	1410	0
465 440	8003	2797	10800	77000		1320	1290	2610	2610	0	5133	2797	7930	30	10.77	1410	0
451 970	7600	2800	10400	77450		1290	1280	2570	2570	0	5130	2800	7930	31	10.85	1410	0
440 180	7176	2804	9980	78020		1230	1280	2510	2510	0	4826	2804	7630	SEP. 1	10.86	1410	0
426 250	7083	2807	9890	77480		1230	1270	2500	2500	0	4693	2807	7500	2	10.86	1410	0
412 410	6960	2800	9760	77000		1230	1240	2470	2470	0	4640	2800	7440	3	10.70	1410	0
397 540	6689	2811	9500	76210		1160	1190	2350	2350	0	4739	2811	7550	4	10.88	1410	0
386 110	5723	2807	8530	76550		1050	1130	2180	2180	0	4633	2807	7440	5	11.02	1410	0
377 850	4980	2800	7780	75650		939	1100	2039	2039	0	4240	2800	7040	6	10.89	1410	0
368 340	4507	2813	7320	72940		917	1060	1977	1977	0	3987	2813	6800	7	10.86	1410	0
360 460	4263	2817	7080	71610		932	1030	1962	1962	0	3843	2817	6660	8	10.72	1400	0
352 640	4320	2840	7160	69630		932	1030	1962	1962	0	3710	2840	6550	9	10.64	1240	0
344 580	4314	2846	7160	67870		930	989	1919	1919	0	3554	2846	6400	10	10.72	1090	0
338 780	4071	2849	6920	66770		926	937	1863	1863	0	3421	2849	6270	11	10.58	1090	0
333 090	3196	2824	6020	63810		879	931	1810	1810	0	3466	2824	6290	12	10.78	1100	0
329 530	2743	2827	5570	60200		835	967	1802	1802	0	3313	2827	6140	13	10.80	1100	0
325 260	2412	2828	5240	56120		774	895	1669	1631	38	3150	2790	5940	14	10.80	1050	0
321 700	1043	2817	3860	51820		730	681	1411	1314	97	2940	2720	5660	15	10.71	1020	0
318 380	1784	2846	4630	46090		730	671	1401	1175	226	2920	2620	5540	16	10.81	1030	0
317 660	1609	2861	4470	43660		726	648	1374	1033	341	2700	2520	5220	17	10.68	990	0
315 580	871	2859	3730	40170		720	610	1330	961	369	2150	2490	4640	18	10.58	960	0
315 120	559	2861	3420	36430		716	620	1336	965	371	1540	2490	4030	19	10.44	960	0
313 510	1032	2858	3890	32290		764	663	1427	999	428	1730	2430	4160	20	10.36	960	0
313 740	1544	2856	4400	29800		797	618	1415	949	466	2030	2390	4420	21	10.57	960	0
312 360	1141	2859	4000	27560		776	586	1362	773	589	2220	2270	4490	22	10.78	960	0
309 380	1973	2887	4860	24920		768	526	1294	587	707	2290	2180	4470	23	11.10	960	0
306 850	1551	2959	4510	24720		694	376	1070	181	889	1940	2070	4010	24	11.10	960	0
305 700	1146	3004	4150	25530		580	225	805	0	855	1321	2149	3470	25	11.20	940	0
306 850	241	3179	3420	25120		578	301	879	0	879	980	2300	3280	26	11.10	910	0
307 080	- 48	3548	3500	23700		536	261	797	0	797	259	2751	3010	27	10.98	805	95
308 230	- 909	4199	3290	23090		432	245	677	0	677	447	2613	3060	28	11.04	900	0

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TOTAL	NORTH SIDE CANAL CO.						TWIN FALLS CAN. CO.			MILNER LOW LIFT			SHAKE R. AT MILNER		
	RA.	GOODING	MAIN	TOTAL	STOR.	NORM.	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL
1380	63	780	2630	3473	3151	322	1099	2411	3510	162	0	162	8	0	8
1380	63	780	2640	3483	3160	323	1087	2423	3510	162	0	162	8	0	8
1380	63	790	2630	3483	3156	327	1052	2448	3500	162	0	162	8	0	8
1380	63	780	2610	3453	3124	329	1034	2466	3500	162	0	162	8	0	8
1380	63	770	2580	3413	3081	332	1012	2488	3500	162	0	162	8	0	8
1400	63	770	2470	3303	2948	355	843	2657	3500	162	0	162	8	0	8
1450	63	770	2220	3053	2653	400	490	3000	3490	161	0	161	8	0	8
1450	63	760	2190	3013	2613	400	480	3000	3480	161	0	161	8	0	8
1440	63	760	2160	2983	2583	400	480	3000	3480	161	0	161	8	0	8
1440	63	760	2120	2943	2543	400	490	3000	3490	162	0	162	8	0	8
1440	63	750	2110	2923	2523	400	490	3000	3490	161	0	161	8	0	8
1450	63	750	2110	2923	2523	400	500	3000	3500	162	0	162	8	0	8
1450	63	760	2110	2933	2533	400	500	3000	3500	163	0	163	279	0	279
1450	63	760	2110	2933	2570	343	778	2722	3500	163	0	163	316	0	316
1450	63	760	2120	2943	2615	328	1034	2466	3500	163	0	163	350	0	350
1450	63	760	2130	2953	2625	328	1035	2465	3500	164	0	164	380	0	380
1450	63	760	2100	2923	2594	329	1029	2471	3500	164	0	164	350	0	350
1450	63	760	2070	2893	2565	328	1039	2461	3500	162	0	162	380	0	380
1430	63	760	2070	2893	2545	328	1037	2463	3500	162	0	162	386	0	386
1410	63	760	2060	2883	2555	328	1025	2465	3490	164	0	164	398	0	398
1410	63	760	2050	2873	2544	329	1022	2468	3490	164	0	164	398	0	398
1410	63	760	2050	2873	2544	329	982	2468	3450	163	0	163	365	0	365
1410	63	760	1950	2773	2444	329	949	2471	3420	163	0	163	305	0	305
1410	63	760	1730	2553	2223	330	926	2474	3400	164	0	164	305	0	305
1410	63	760	1660	2483	2153	330	863	2477	3340	164	0	164	314	0	314
1410	63	760	1640	2463	2134	329	749	2471	3220	164	0	164	360	0	360
1410	63	750	1610	2423	2093	330	719	2481	3200	164	0	164	356	0	356
1410	63	750	1580	2393	2063	330	683	2477	3160	149	0	149	356	0	356
1410	63	750	1500	2313	1984	329	569	2471	3040	143	0	143	353	0	353
1410	63	750	1530	2343	2013	330	507	2483	2990	146	0	146	358	0	358
1400	63	740	1530	2333	2002	331	434	2486	2920	146	0	146	356	0	356
1240	63	750	1500	2313	1979	334	334	2506	2840	146	0	146	356	0	356
1090	63	750	1480	2290	1955	335	179	2511	2690	146	0	146	356	0	356
1090	63	750	1470	2283	1948	335	56	2514	2570	121	0	121	356	0	356
1100	63	750	1490	2303	1971	332	38	2492	2530	146	0	146	353	0	353
1100	63	750	1500	2313	1916	397	0	2430	2430	147	0	147	353	0	353
1050	63	750	1460	2273	1873	400	0	2390	2390	152	0	152	353	0	353
1020	63	750	1400	2213	1813	400	0	2320	2320	0	0	0	353	0	353
1030	62	750	1370	2182	1782	400	0	2220	2220	0	0	0	353	0	353
990	60	740	1150	1950	1550	400	0	2120	2120	0	0	0	353	0	353
960	60	740	433	1233	833	400	0	2090	2090	0	0	0	353	0	353
960	59	740	367	1166	766	400	0	2090	2090	105	0	105	348	0	348
960	58	740	352	1150	750	400	0	2030	2030	117	0	117	350	0	350
960	55	740	421	1216	816	400	0	1990	1990	118	0	118	356	0	356
960	55	740	569	1364	964	400	0	1870	1870	118	0	118	356	0	356
960	55	740	641	1436	1036	400	0	1780	1780	117	0	117	356	0	356
960	55	740	418	1213	813	400	0	1670	1670	7	0	7	356	0	356
940	14	740	352	1106	547	559	0	1590	1590	0	0	0	356	0	356
910	0	740	358	1098	308	790	0	1510	1510	0	0	0	356	0	356
900	0	740	516	1256	0	1256	0	1400	1400	0	0	0	356	0	356
900	0	740	608	1348	95	1253	0	1360	1360	94	0	94	356	0	356
					249030		69806		19284				14220		

DAILY STORAGE DIVERS

24-HOUR SECOND FEET EXCEPT AS

AUG

Grid containing numerical data for months JUL and AUG, organized by day and time intervals.

	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
273	15	7	6	7	7	7	0	3	5	5	4	4	4	5	5	5	0
78						0	7	7	9	8	11	10	10	8			
0	63	61	57	85	85	85	85	85	85	85	85	85	85	85	85	0	
039	16	34	49	47	0	0	0	12	12	12	0						
73	0	0	0	31	56	46	27	19	22	16	32	0					
6																	
55																	
190	2	2	2	1	2	2	0	3	6	0							
814	24	0															
692	21	0	0	32	32	33	0	0	9	0							
0																	
62																	
359	34																
32																	
981	80	79	77	81	81	80	80	81	81	81	80	80	79	73	67	65	0
0																	
1																	
121	7	6	4	1	0												
243	23	0															
543	107	0															
12				0	1	0											
670	60	59	58	60	62	57	56	55	56	0							
801	227	200	250	277	279	270	264	257	250	250	212	193	142	108	116	0	
20																	
1474	679	468	503	622	605	580	519	522	535	457	424	372	320	271	273	70	0
5	200	195	0														
62																	
11																	
467	370	368	372	368	199	216	198	194	356	354	0						
554	648	621	630	668	668	695	698	204									
139	52	59	40	24	16	4	0										
0																	
0																	
878	1270	1243	1042	1060	883	915	896	398	356	354	0						
3002	1962	1919	1863	1810	1802	1631	1314	1175	1033	961	965	999	949	773	587	181	0
646	146	146	146	121	146	147	152	0	0	0	0	105	117	118	118	117	7
1907	434	334	179	56	38	0	0										
1023	2002	1979	1955	1946	1971	1916	1873	1813	1782	1550	833	766	750	816	964	1036	813
200	1400	1240	1090	1090	1100	1100	1050	1020	1020	990	960	960	960	960	960	960	960
6	356	356	356	356	353	353	353	353	353	353	353	348	350	356	356	356	356

	NO.	TOTAL SEC.-FT.	TOTAL AC.-FT.	JACKSON LAKE EQUIV. AC.-FT.
	1	524	1039	1120
	2			
	3	1275	2328	2726
	4	10024	19883	21440
	5	915	1815	1957
	6	5474	10857	11707
	7	37	73	79
	8	5326	10583	11411
	9	2771	5496	5926
	10	-1	-2	-2
	11	7427	14731	15884
	12	-21	-42	-45
	13	1190	2360	2544
	14	4078	8089	8722
	15	0	0	0
	16	33	65	70
	17	0	0	0
	18	567	1125	1213
	19	1824	3617	3900
	20	6465	12823	13824
	21	112	222	239
	22	55	109	118
	23	512	1016	1095
	24	3700	7338	7912
	25	1528	3030	3267
	26	12098	23996	25876
	27	33	65	70
	28	3807	7551	8142
	29	22033	43701	47121
	30	-669	-1327	-1430
	31			
	32	90603	179702	193766
	33			
	34	1313	2604	2808
	35	704	1396	1505
	36	-359	-712	-768
	37	18118	35936	38750
	38	52395	103923	112060
	39	1043	2068	2230
	40	-200	-397	-428
	41	-162	-321	-346
	42	-66	-131	-141
	43	-467	-926	-998
	44			
	45	72319	143440	154772
	46			
	47	211419	419343	
	48	19284	38249	
	49	69806	138458	
	50	249030	493944	
	51	192112	381048	
	52	14363	28489	
	53			
	54	919,460	1,823,712	

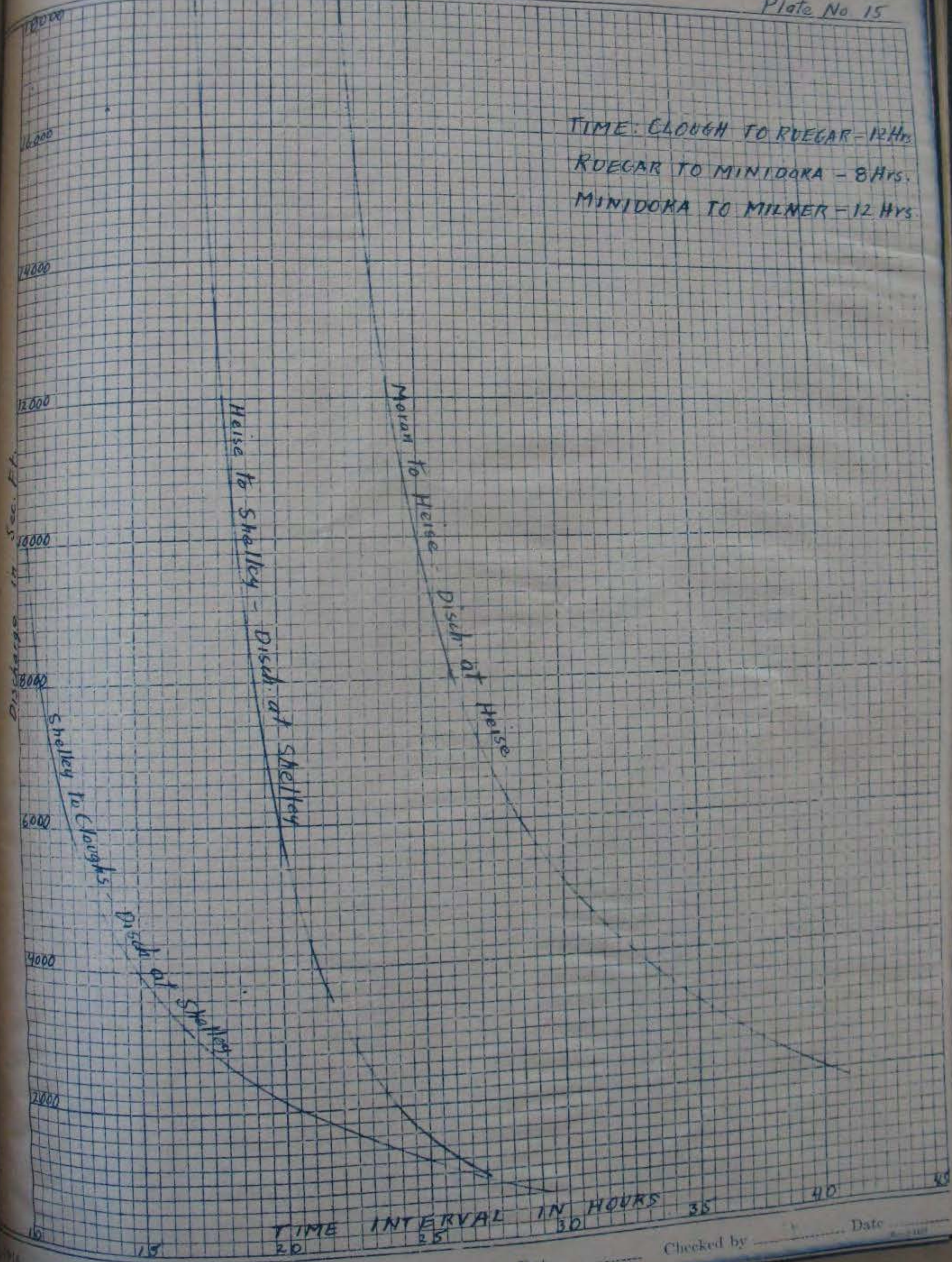
NOTES

AC.FT.	JACKSON			OTHER RIGHTS AC.FT.	SEASONAL PURCHASES & EXCHANGING AC.FT.	TOTAL RIGHTS AC.FT.
	AKE RIGHT AC.FT.	AM. FALLS RIGHT AC.FT.				
3	8	9			(1) 1120	1120
16			1200	1143		
273	15	7	2000	22018	(2) 900	3263
78			6100	15417	(2) 7534	29552
0	43	61			(3) 25	2025
0			5000	18078	(3) -9358	12159
039	16	54	2000	3014	(1) 79	79
779	0	0	0	0	(4) 205	23283
6			5120	11824	(5) 913	3927
55			1040		0	0
190	2	2	4000	1402	(6) 30	1040
814	24	0	3000	6788	(7) 543	3995
692	21	0		3062	(8) -500	9788
0			0	0	(1) 70	2502
62			0	0		70
359	34			1558		0
32				4404	(10) 290	1558
981	80	79		23894	(1) 8000	12694
0				330	(13) -59	23835
1				120		330
121	7	6	355		(11) 680	120
				39588	(1) 60	1095
243	23	0	1500	3300		39588
543	107	0	5000	42999	(1) 157	4957
17					(12) 295	48422
570	60	59		13200	(1) 70	70
801	227	200	15000	40552	(14) -3000	10200
20					(15) 1430	53552
144	679	468	51315	252651	(14) -1430	0
				2558	4504	311028
5	200	195			(1) 2682	2682
62				22053		22053
11			0	0		0
467	370	368	8000	33942		41942
554	648	621	42685	72347	(1) 18538	133570
139	52	59		5868		5868
				2145		0
0					(15) 998	(14) -998
						0
878	1270	1243	50685	136355	998	20222
						208260
302	1962	1919	325810	100363	(17) 184897	611070
4446	146	146		50044	(6) 1120	51164
907	434	334	13887	221788	(16) 902	(14) -25000
1023	2002	1979	54584	472061	(16) 2720	529365
200	1400	1240		400000	(16) 12472	412472
6	356	356		45000		45000
					(19) 846	(18) 2,381,056
			496,281	1,678,242	205,667	

- (1) Rented from Pool.
- (2) From Enterprise Canal Co.
- (3) 900 to Riley, 900 to Rudy, 7534 to Progressive Dist., 45 to Harrison, less 21 rented from Pool.
- (4) 45 from Enterprise, 160 from Pool.
- (5) 900 from Enterprise, 13 from Pool.
- (6) From Kelly Springs.
- (7) 500 from Reid, 43 from Pool.
- (8) To Sunnydell.
- (9) Several small users from River or Great Feeder.
- (10) Pumped from Roberts Slough.
- (11) From Market Lake Springs.
- (12) 236 from Pool, 59 from Osgood.
- (13) To New Sweden.
- (14) To Pool
- (15) Stored normal flow.
- (16) Am. Falls refill.
- (17) Gain from Neeley to Milner 72,323, Walcott 97,720, Walcott refill 14,150, Am. Falls refill 704.
- (18) Does not include Enterprise In. Dist. right of 21,738 ac.ft. on Henrys Fork tabulation.
- (19) From Market Lake Springs.

TIME INTERVAL BETWEEN GAGING STATIONS ON SNAKE RIVER

Plate No 15



DAILY DISCHARGE IN SEC-FT OF HENRYS FORK CANALS FOR MAY 1941
FALL RIVER CANALS

PLATE NO. 16

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL		
YELLOWSTONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HARRIGFELD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MARYSVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL ABOVE SQUIRREL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	11	12	28	32	38	41	55	47	58	58	390	
FARMERS OWN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	11	12	28	32	38	41	55	47	58	58	390	
ALMY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	14	15	16	23	23	23	23	23	23	23	222	
ENTERPRISE	0	40	78	0	40	40	44	44	44	46	54	61	67	74	74	88	86	88	93	95	96	112	112	117	119	125	144	115	117	119	134	0		
BELL	0	0	0	0	0	0	0	6	6	7	7	6	6	5	5	5	5	5	5	5	6	6	6	6	6	6	6	5	5	5	5	5	5	136
FALL RIVER	10	10	10	10	90	102	90	90	90	166	166	285	285	290	295	300	295	319	319	386	410	415	454	464	454	460	248	285	265	264	0	2466		
McBEE	1	1	1	1	1	1	1	1	1	1	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	6	7	6	4	4	111	
CHESTER	5	5	5	5	5	20	30	30	32	32	32	40	50	60	80	100	100	100	100	100	100	100	98	97	97	96	87	78	73	68	69	0	7761	
SILKY	0	0	0	0	0	0	0	0	0	0	5	12	12	12	12	12	14	16	18	20	22	23	23	24	24	18	10	9	6	8	0	111		
CURR	4	4	4	4	4	4	4	20	28	28	28	28	40	50	56	56	56	56	56	56	56	56	56	56	56	56	36	16	16	15	15	0	1894	
TOTAL SQUIRREL-CHESTER	20	60	98	20	140	167	169	191	201	280	297	437	453	476	511	566	561	589	596	668	708	730	768	784	783	788	780	502	536	505	522	0	13906	
HENRYS FORK CANALS																																		
DEWEY	0	0	0	0	0	0	0	0	0	0	0	0	20	25	25	25	25	25	25	24	24	24	24	24	24	24	25	26	26	25	24	0	464	
LAST CHANCE	46	46	46	46	46	45	45	45	45	44	47	50	64	72	81	80	80	80	79	78	76	86	85	84	84	83	77	71	73	75	74	0	2033	
CROSS CUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ST. ANTHONY UNION	470	475	485	478	472	465	461	454	445	485	516	546	556	563	540	540	540	553	536	540	499	546	550	540	540	546	522	488	458	454	451	0	0	
FARMERS FRIEND	130	132	136	136	134	134	171	188	196	204	210	217	231	245	247	239	242	245	249	240	238	235	242	250	235	177	120	177	170	162	154	0	15764	
TWIN GROVES	62	101	99	112	126	126	126	132	138	138	142	147	147	147	169	169	154	153	152	159	162	162	174	174	162	150	150	150	150	147	150	0	6108	
SALEM UNION	142	142	144	146	148	149	149	176	183	190	190	222	232	235	210	194	222	222	222	221	216	235	235	238	235	232	210	200	216	206	232	0	4430	
TOTAL ASHTON-ST. ANTHONY	850	896	910	918	928	939	952	995	1057	1061	1105	1182	1250	1287	1272	1247	1263	1278	1263	1262	1215	1288	1310	1310	1280	1212	1104	1112	1093	1069	1085	0	34993	
EGIN	241	241	241	249	245	273	269	301	342	394	371	380	380	392	388	384	376	388	388	392	350	396	392	401	405	367	301	305	301	309	325	0	10477	
ST. ANTHONY UNION FEEDER	73	78	82	76	76	93	92	90	116	102	106	110	112	115	109	104	110	112	95	82	80	86	93	102	92	70	79	84	80	76	77	0	2854	
INDEPENDENT	245	247	247	273	291	278	317	320	317	317	317	317	344	348	364	381	346	364	342	337	293	300	366	395	370	384	359	315	293	306	302	0	9993	
CONSOLIDATED FARMERS	152	153	154	172	179	186	192	196	200	203	218	233	248	254	260	267	288	288	288	286	283	284	286	314	314	251	251	251	251	251	250	0	7403	
TOTAL ST. ANTHONY-REXBURG	713	719	724	770	791	830	870	907	975	1006	1012	1040	1084	1109	1121	1136	1120	1152	1113	1097	1006	1066	1137	1210	1181	1072	990	955	925	942	954	0	30727	
TETON RIVER CANALS																																		
SIDDOWAY	0	0	0	0	0	0	0	0	0	6	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	6	6	7	7	0	165		
WILFORD	44	44	44	44	44	45	45	45	45	45	44	44	44	43	161	162	159	171	159	149	159	168	177	181	176	145	106	113	121	123	123	0	3173	
TETON IRRIGATION	7	7	7	7	7	10	14	16	17	40	39	47	52	52	52	55	64	69	59	58	58	65	75	76	76	76	72	73	69	73	70	0	1462	
GOOD LUCK	0	0	0	0	0	0	0	0	0	0	20	20	20	20	25	25	25	25	25	24	22	20	19	19	19	19	18	16	16	15	0	432		
PIONEER	3	3	3	3	3	3	3	3	3	4	4	5	5	5	5	5	5	5	5	6	6	7	7	7	7	7	7	6	5	5	4	0	152	
STEWART	3	3	3	3	3	3	3	3	3	3	3	3	3	3	20	28	28	28	28	28	28	28	28	50	16	16	16	16	15	14	12	0	466	
PINCOCK-BYINGTON	20	20	20	20	12	12	12	12	12	12	12	12	12	12	20	20	20	20	20	20	20	20	20	20	20	20	20	21	21	21	21	0	546	
PINCOCK-GARNER	9	9	9	9	9	9	9	9	9	9	9	9	9	9	12	13	13	13	13	13	18	22	24	25	26	28	29	30	30	32	33	28	25	552
TETON ISLAND FEEDER	100	100	110	110	110	110	110	110	110	110	130	180	250	300	300	304	320	340	360	390	410	434	440	451	450	440	434	420	412	420	423	0	8688	
NORTH SALEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	40	40	40	40	40	40	40	40	40	40	40	40	41	40	39	38	0	696	
ROXANA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	25	25	25	25	25	1	1	1	1	1	20	30	30	34	30	12	12	11	336
ISLAND WARD	24	24	24	24	24	24	24	24	24	24	24	24	24	24	60	68	68	68	68	70	75	80	85	90	90	90	92	64	66	69	68	69	0	1652
WOODMANSEE-JOHNSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	20	20	26	26	26	26	26	24	22	20	21	21	22	28	22	19	16	0	467
CITY OF REXBURG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8	8	8	8	10	16	21	27	27	41	41	40	38	41	40	34	34	503
REXBURG IRRIGATION	20	20	20	117	133	148	148	148	92	92	93	93	93	170	209	201	199	210	238	253	252	250	244	270	285	282	259	277	274	253	272	0	5615	
McCORMICK-ROWE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	57
SAURY-SOMMERS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	231	231	241	338	346	365	369	371	317	346	397	466	569	788	995	1000	1023	1082	1097	1144	1180	1220	1250	1338	1327	1289	1197	1206	1165	1143	1153	0	25184	

DAILY DISCHARGE IN SEC-FT OF HENRYS FORK CANALS FOR JUNE 1941
FALL RIVER CANALS

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL	
YELLOWSTONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	
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	0	
MARYSVILLE	62	62	66	79	80	87	87	87	87	84	90	98	108	117	122	124	129	142	144	149	154	151	149	149	149	169	169	176	178	169	3617	
TOTAL ABOVE SQUIRREL	62	62	66	79	80	87	87	87	87	84	90	98	108	117	122	124	134	147	149	154	159	156	154	154	154	174	174	181	183	174	3642	
FARMERS OWN	28	28	29	29	32	27	27	26	23	24	31	36	38	43	43	56	56	60	57	57	59	59	57	62	61	63	76	76	76	76	1415	
ARMY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ENTERPRISE	130	126	130	130	130	130	131	131	129	134	139	141	139	141	141	135	157	142	0	0	118	119	117	118	122	127	125	125	125	125	130	
BELL	4	4	4	5	5	5	5	4	4	3	2	3	5	5	4	4	4	3	4	4	5	5	4	7	4	4	6	4	5	5	11546	
FALL RIVER	262	300	420	440	464	424	405	304	253	262	343	355	376	385	394	403	400	398	447	450	452	452	452	452	452	384	367	350	350	350	66	
McBEE	3	2	2	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	2	2	3	3	3	4	5	5	5	5	5	5	1166	
CHESTER	70	70	71	72	72	73	60	50	42	38	35	48	61	62	64	66	64	61	5	5	5	5	12	8	8	8	8	7	8	8	402	
SILKEY	9	10	15	19	28	37	0	0	0	0	2	2	11	11	10	10	10	0	8	8	8	8	8	33	27	27	27	27	27	20	1111	
CURR	30	32	32	32	33	34	34	34	34	31	28	32	35	35	35	35	40	46	39	42	44	44	43	48	40	38	40	41	40	40	19493	
TOTAL SQUIRREL-CHESTER	536	572	703	727	764	730	662	549	485	492	580	617	665	682	694	712	734	713	562	568	694	695	696	732	714	656	654	635	636	629	19493	
HENRYS FORK CANALS																																
DEWEY	24	24	25	25	24	24	24	24	4	4	4	5	6	6	6	6	6	6	6	6	6	0	0	8	8	8	8	8	8	8	12	327
LAST CHANCE	73	73	72	70	72	65	52	52	27	50	72	72	71	71	71	70	70	73	72	50	37	42	48	48	48	46	46	48	46	42	1749	
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	414	
ST. ANTHONY UNION	444	438	485	519	514	507	497	458	420	417	414	410	407	415	423	437	414	397	424	436	448	460	472	484	495	496	498	499	499	499	13720	
FARMERS FRIEND	151	148	136	135	134	140	126	105	85	116	92	136	180	174	169	164	166	168	0	0	20	17	15	15	15	19	15	12	11	10	2680	
TWIN GROVES	145	140	150	146	142	128	115	115	115	14	14	143	182	160	155	150	147	147	147	146	146	143	140	144	143	142	141	128	127	126	3951	
SALEM UNION	219	206	222	222	203	206	170	164	158	200	264	173	182	188	197	206	183	161	123	139	155	154	152	131	170	0	42	172	160	147	4969	
TOTAL ASHTON ST. ANTHONY	1056	1029	1090	1117	1089	1076	984	918	809	801	760	934	998	1014	1021	1027	986	952	772	777	806	816	835	830	879	781	836	953	437	922	27810	
EGIN	313	313	338	363	269	261	261	158	158	208	249	259	338	363	342	281	265	281	277	245	253	249	281	301	285	346	336	265	214	169	8241	
ST. ANTHONY UNION FEEDER	74	70	76	86	96	52	46	44	42	50	58	53	48	49	51	52	52	22	22	71	73	75	77	46	16	89	74	58	55	52	1729	
INDEPENDENT	300	315	324	328	287	276	247	148	197	226	256	276	295	282	270	258	220	182	146	251	232	213	193	136	78	320	296	291	246	202	7241	
CONSOLIDATED FARMERS	246	243	252	252	270	286	252	236	220	216	214	208	203	210	225	235	233	232	121	212	210	210	206	200	124	228	241	164	162	160	6471	
TOTAL ST. ANTHONY-REXBURG	433	441	440	1029	422	875	806	586	617	700	777	746	884	904	888	826	770	717	566	779	768	747	757	683	503	983	947	778	677	583	23732	
TETON RIVER CANALS																																
SIDDOWAY	6	5	3	5	6	5	4	5	5	6	5	3	4	5	6	8	10	10	12	12	13	14	15	15	15	15	15	15	14	12	268	
WILFORD	129	135	137	136	145	122	98	102	100	93	99	124	137	150	156	162	169	168	167	167	166	165	165	160	156	153	153	153	153	4288		
TETON IRRIGATION	78	78	65	77	66	76	72	76	72	64	84	76	92	78	94	84	88	92	92	92	92	96	101	101	106	101	101	100	100	100	2596	
GOOD LUCK	16	16	15	19	22	17	12	13	14	15	14	13	14	15	15	33	33	33	33	33	33	33	33	33	33	34	34	32	30	30	702	
PIONEER	4	4	4	3	2	2	2	2	2	2	2	1	1	1	1	20	21	21	22	24	26	26	26	20	20	20	19	19	19	19	355	
STEWART	13	13	13	13	13	16	19	19	18	18	22	27	27	27	27	27	27	27	27	27	27	27	27	27	32	34	37	27	27	27	712	
PINCOCK BYINGTON	20	20	19	19	19	20	20	20	10	10	10	9	10	10	11	12	14	14	14	14	14	14	14	3	3	10	10	10	11	12	393	
PINCOCK - GARNER	26	27	28	28	27	27	27	28	30	31	29	27	27	27	27	28	28	28	28	28	28	28	28	27	26	26	26	26	26	26	825	
TETON ISLAND FEEDER	420	410	409	410	415	410	398	390	390	387	360	328	390	451	420	400	382	390	390	390	390	390	390	401	380	366	360	350	340	340	11647	
NORTH SALEM	38	38	25	25	25	25	25	36	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	787	
BOXANA	12	24	24	23	23	23	13	13	24	24	22	20	18	17	17	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	477	
ISLAND WARD	65	65	65	70	75	75	6	6	6	6	6	6	6	6	60	54	54	58	58	58	54	54	52	50	48	50	60	67	67	9	9	1331
WOODMANSEE-JOHNSON	17	17	18	17	16	18	21	21	20	20	18	17	19	21	23	26	28	35	40	45	50	52	53	54	63	60	56	55	54	53	1007	
CITY OF REXBURG	33	33	31	34	38	37	36	37	38	42	42	43	44	44	46	48	49	47	45	47	44	46	45	44	43	40	39	40	40	40	6883	
REXBURG IRRIGATION	224	212	203	211	219	207	195	195	195	196	195	183	208	234	266	265	265	265	260	260	260	260	260	260	260	260	234	224	220	217	90	
McCORMICK-ROWE	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	359	
SAURY-SOMMERS	9	8	7	10	12	15	18	19	19	20	18	17	16	15	14	14	13	13	12	12	11	10	10	9	8	7	6	5	6	6	33955	
TOTAL	1113	1108	1069	1103	1126	1098	969	985	971	962	954	922	1041	1183	1210	1218	1221	1237	1241	1247	1249	1254	1246	1248	1237	1209	1197	1164	1089	1084	33955	

DAILY DISCHARGE IN SEC-FT OF HENRYS FORK CANALS FOR JULY 1941
 FALL RIVER CANALS

PLATE NO. 18

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	
YELLOWSTONE	5	6	6	6	6	12	12	12	12	13	13	14	14	14	11	8	8	8	8	12	6	12	12	8	9	8	8	8	10	10	10		
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	0	301	
MARYSVILLE	173	171	171	171	171	170	172	171	169	172	170	165	171	166	168	166	164	164	161	154	144	146	119	117	120	116	116	116	117	117	116	4704	
TOTAL ABOVE SQUIRREL	178	177	177	177	177	182	184	183	181	185	183	179	185	180	179	174	172	172	169	166	150	158	131	125	129	124	124	124	127	127	126	5005	
FARMERS OWN	73	71	71	76	74	74	72	74	74	74	76	80	80	78	78	78	78	76	74	74	51	46	47	45	39	35	34	34	33	38	41	1948	
ALMY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENTERPRISE	126	128	128	128	126	124	124	126	126	124	126	127	129	127	126	126	128	127	127	127	130	126	126	125	125	125	124	124	122	121	121	0	0
BELL	5	5	5	5	3	5	5	5	2	2	5	5	5	4	5	5	4	4	4	5	5	4	3	3	4	3	4	3	2	4	3	0	0
FALL RIVER	350	276	266	266	257	177	177	177	169	164	156	155	158	153	153	153	151	153	153	160	155	155	155	155	155	155	155	155	153	153	153	5523	
McBEE	5	4	4	4	1	3	3	3	1	0	0	0	3	3	3	3	2	2	2	2	2	2	2	3	2	2	2	2	1	0	0	0	
CHESTER	8	18	16	7	6	6	5	6	7	5	5	14	15	15	14	14	14	8	8	8	7	5	4	4	4	7	6	7	12	12	11	0	
SILKY	19	18	18	18	2	7	7	7	2	0	14	27	27	16	28	29	14	14	14	14	14	12	12	12	3	3	8	8	8	6	6	0	
CURR	34	38	37	37	29	34	33	33	31	27	17	34	38	38	38	37	37	34	35	33	33	32	32	32	32	31	31	30	30	30	30	1027	
TOTAL SQUIRREL-CHESTER	625	558	547	541	498	430	426	431	412	396	399	447	455	434	445	445	431	416	417	416	402	382	381	378	365	361	364	363	364	365	13257		

HENRYS FORK CANALS

DEWEY	10	9	9	9	9	9	9	13	13	13	14	13	13	14	13	14	14	14	14	14	12	12	10	10	8	8	8	6	4	4	4	326
LAST CHANCE	41	41	41	40	42	42	42	42	42	41	41	40	40	40	38	42	40	40	39	40	40	40	39	36	36	36	36	36	36	30	30	1215
CROSS CUT	86	88	194	196	196	196	196	196	198	198	196	198	198	198	198	198	303	303	305	326	205	205	205	205	205	205	205	199	199	199	340	6539
ST ANTHONY UNION	445	390	396	402	441	466	466	458	456	448	461	460	454	454	453	451	461	460	448	458	456	441	438	436	404	402	397	389	389	405	453	13538
FARMERS FRIEND	10	10	10	10	7	7	6	0	12	16	16	28	34	32	44	62	70	80	74	69	60	61	46	40	30	17	15	15	15	30	37	968
TWIN GROVES	115	125	122	121	121	120	122	132	137	79	72	74	75	77	79	78	81	67	96	98	94	35	71	83	66	59	68	68	68	59	66	2728
SALEM UNION	165	151	148	145	168	174	174	168	174	178	198	198	195	194	194	205	161	164	159	159	159	143	138	139	131	116	116	123	144	164	159	5004
TOTAL ASHTON-ST ANTHONY	882	814	820	823	984	1014	1015	1009	1022	973	998	1011	1009	1014	1050	1130	1128	1135	1164	1026	937	947	949	880	843	845	836	855	897	1089	30318	
EGIN	280	223	247	271	264	271	269	287	269	275	281	279	277	275	273	287	277	311	305	307	269	291	303	303	247	283	283	283	307	307	311	8640
ST ANTHONY UNION FEEDER	60	69	62	56	60	70	75	58	63	62	73	67	66	64	64	74	70	70	70	64	63	74	68	67	67	61	63	62	62	60	60	2024
INDEPENDENT	150	114	106	99	116	124	134	128	132	132	141	162	169	164	158	164	149	153	151	131	126	70	56	56	58	58	84	118	144	176	191	3914
CONSOLIDATED FARMERS	159	158	170	183	249	200	200	189	189	188	194	192	180	160	156	156	162	160	160	159	168	159	118	118	113	113	113	113	113	113	166	4971
TOTAL ST ANTHONY-REXBURG	569	564	585	609	694	665	678	662	653	657	689	700	692	663	651	681	658	694	686	661	626	594	545	544	485	515	543	576	626	656	728	19549

TETON RIVER CANALS

SIDDOWAY	10	9	8	9	10	10	5	0	0	11	10	12	8	10	12	10	10	13	12	14	11	8	6	9	8	6	7	6	5	5	5	259
WILFORD	132	126	121	77	90	86	82	90	83	78	75	82	79	90	87	84	84	80	80	84	0	78	81	74	78	76	76	74	70	87	83	2567
TETON IRRIGATION	100	97	94	105	51	32	76	80	88	82	82	82	81	76	78	80	90	87	86	86	86	82	72	82	82	78	78	75	68	78	68	2480
GOOD LUCK	32	24	13	13	12	11	11	9	8	17	12	12	12	10	11	10	9	12	11	13	16	10	11	10	18	17	18	17	14	14	424	
PIONEER	19	12	5	13	13	14	14	12	5	12	12	10	10	11	11	10	12	11	11	11	11	11	10	10	11	11	11	11	11	12	11	348
STEWART	27	25	13	21	12	14	13	12	12	12	12	10	10	9	12	11	11	15	15	15	15	17	12	12	12	15	15	15	14	13	13	434
PINCOCK-BYINGTON	10	12	14	13	10	9	9	7	6	6	6	5	5	5	5	5	3	4	4	4	4	6	7	7	7	7	8	8	9	9	8	222
PINCOCK GARNER	17	20	22	16	11	13	5	5	4	8	7	8	10	8	12	12	11	10	13	9	10	9	13	13	13	15	15	15	15	15	15	369
TETON ISLAND FEEDER	330	322	314	336	341	314	309	322	344	336	360	358	344	333	320	314	294	307	288	325	398	291	291	286	255	257	252	252	247	239	237	9516
NORTH SALEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROXANA	12	12	11	14	15	17	14	13	14	14	13	13	13	14	11	12	10	3	5	6	7	10	6	7	12	13	11	11	7	12	7	339
ISLAND WARD	9	9	8	5	5	5	39	38	40	28	20	19	28	36	17	31	29	28	26	40	26	17	7	9	12	11	9	41	36	20	21	669
WOODMANSEE-JOHNSON	52	50	48	46	29	29	29	21	23	23	18	18	17	13	8	16	17	18	8	10	20	10	5	0	8	8	10	10	2	2	4	572
CITY OF REXBURG	35	36	37	39	44	43	33	31	33	36	26	25	26	26	23	25	25	27	29	32	26	26	24	22	16	19	20	20	16	33	27	880
REXBURG IRRIGATION	209	195	133	203	210	210	148	150	154	192	212	210	192	72	183	161	160	173	159	181	203	170	124	124	132	131	123	126	123	115	113	4991
MCCORMICK-ROWE	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	92
SAURY-SOMMERS	7	7	7	7	8	8	6	6	6	5	6	9	9	8	8	6	6	12	11	12	13	14	12	12	14	14	13	13	14	12	0	298
TOTAL	1054	934	951	920	869	818	796	799	821	863	974	976	847	724	801	790	774	803	761	845	849	762	684	680	681	681	669	697	656	670	641	24460

DAILY DISCHARGE IN SEC.-FT OF HENRYS FORK CANALS FOR AUGUST 1941
FALL RIVER CANALS

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
YELLOWSTONE	9	9	9	9	9	9	9	9	10	10	10	10	10	10	0	0	0	0	0	0	0	0	5	9	7	7	7	7	8	8	4	194
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	0	0
MARYSVILLE	109	108	101	99	98	101	96	94	95	96	80	72	63	52	51	44	44	45	48	45	44	44	42	42	42	45	44	44	44	44	44	2020
TOTAL ABOVE SQUIRREL	118	117	110	108	107	110	105	103	105	106	90	82	73	62	51	44	44	45	48	45	44	44	47	51	49	52	51	51	52	52	48	2214
FARMERS OWN	38	37	35	35	34	30	28	29	30	33	30	30	22	20	18	14	14	14	12	12	12	12	12	12	12	12	12	12	9	9	9	638
ALMY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENTERPRISE	122	121	118	118	119	119	124	128	128	128	130	126	0	0	53	115	115	118	121	123	125	122	120	120	119	114	121	114	114	80	3275	
BELL	5	5	5	4	3	3	3	5	5	4	0	3	3	2	3	3	3	5	4	3	3	2	1	1	1	1	2	2	2	1	92	
FALL RIVER	153	153	153	18	0	153	153	153	232	232	153	149	8	14	132	127	130	130	125	127	125	125	125	125	142	142	142	142	142	142	3972	
McBEE	0	0	1	3	3	0	0	0	0	0	2	2	3	3	3	2	2	2	2	2	2	2	1	1	1	1	1	1	2	2	1	45
CHESTER	23	22	21	21	20	20	20	20	18	18	10	12	12	12	12	11	12	12	10	15	15	14	14	13	13	13	16	16	16	13	13	477
SILKEY	6	8	8	11	10	7	8	8	4	4	16	18	24	20	16	15	14	14	15	0	0	15	13	13	3	3	5	5	0	0	0	283
CURR	30	30	30	32	32	31	29	31	30	31	32	35	36	36	37	36	37	37	37	36	36	17	18	29	29	29	41	40	13	13	14	944
TOTAL SQUIRREL-CHESTER	377	376	371	242	221	363	365	374	447	450	377	372	108	108	220	261	327	327	324	317	316	313	307	314	304	321	332	339	298	295	260	9726

HENRYS FORK CANALS

DEWEY	3	3	4	3	0	0	0	0	0	0	0	0	0	6	6	6	6	4	4	4	6	6	6	12	12	12	12	7	7	7	136	
LAST CHANCE	36	36	36	37	36	36	34	33	34	34	34	33	33	33	38	38	38	38	38	38	38	38	38	48	48	40	40	38	38	24	24	1127
CROSS CUT	340	340	340	340	364	389	400	425	320	315	144	144	128	128	128	128	128	127	127	127	125	125	125	125	125	125	125	125	129	129	6265	
ST. ANTHONY UNION	448	441	460	460	453	461	451	448	449	432	432	397	397	379	362	332	325	320	320	343	348	348	348	360	360	341	341	354	351	316	316	11893
FARMERS FRIEND	34	20	22	24	16	22	19	30	38	33	31	18	23	48	43	42	36	33	33	28	28	8	0	0	0	6	0	0	0	0	0	635
TWIN GROVES	73	70	71	71	71	73	73	72	74	76	74	63	70	115	115	115	114	112	112	109	108	90	92	91	90	93	20	24	24	23	23	2401
SALEM UNION	156	162	159	159	159	162	168	168	168	168	126	77	135	97	95	95	95	99	101	90	90	88	86	90	105	112	79	79	77	108	108	3661
TOTAL ASHTON-STANTHONY	1090	1072	1092	1094	1099	1143	1145	1176	1083	1058	841	732	786	800	787	756	742	735	735	739	741	703	695	720	740	729	617	632	622	607	607	26118
EGIN	383	387	385	389	299	311	305	305	307	267	263	202	162	162	162	194	194	180	253	237	210	210	253	217	191	191	241	217	229	206	206	7398
ST. ANTHONY UNION FEEDER	63	65	65	65	65	65	62	62	62	62	62	58	47	47	53	52	52	50	52	46	51	46	46	51	51	51	51	57	56	56	56	1728
INDEPENDENT	183	183	212	196	160	176	180	183	178	129	129	130	148	137	158	155	155	137	144	131	131	162	162	169	176	180	137	155	155	151	155	4937
CONSOLIDATED FARMERS	204	204	154	154	153	156	156	156	121	119	120	101	134	142	140	140	138	138	118	118	115	115	115	96	96	96	96	96	94	94	94	3488
TOTAL ST. ANTHONY-REXBURG	755	759	736	724	677	708	703	706	669	577	574	491	491	488	513	541	539	505	567	532	507	533	576	533	514	518	525	525	539	512	516	18051

TETON RIVER CANALS

SIDDOWAY	6	6	4	5	5	7	7	8	7	7	4	0	6	5	5	5	5	7	6	7	5	5	5	4	4	4	4	5	5	5	6	164
WILFORD	92	92	99	92	92	97	94	99	97	99	76	80	86	66	62	59	58	59	60	61	58	56	55	52	51	50	56	55	57	58	59	2227
TETON IRRIGATION	78	72	72	62	64	62	60	74	68	68	69	52	72	56	52	68	58	56	54	69	62	60	62	58	56	57	56	56	60	57	61	1931
GOOD LUCK	16	16	16	12	12	10	9	10	10	14	15	13	15	13	12	10	9	9	13	13	13	11	11	11	11	11	11	11	8	11	367	
PIONEER	12	12	12	12	12	12	12	13	11	10	13	11	9	9	7	6	7	6	6	5	5	5	6	6	19	5	5	5	5	17	4	285
STEWART	15	15	15	14	15	16	16	17	17	20	20	17	18	16	12	12	12	12	13	13	12	12	16	10	10	9	10	8	9	8	7	416
PINCOCK-BYINGTON	10	9	6	7	6	6	5	6	5	5	5	5	5	5	5	4	4	5	4	4	4	6	8	7	5	6	6	5	5	5	5	295
PINCOCK-GARNER	13	13	13	14	15	14	11	11	10	11	11	7	6	6	7	6	6	6	7	8	8	20	20	8	8	7	7	6	6	5	5	6411
TETON ISLAND FEEDER	275	260	260	244	224	255	281	301	307	336	183	170	170	192	183	170	175	175	175	168	181	181	181	177	168	166	168	168	168	181	181	0
NORTH SALEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROXANA	7	2	1	1	1	3	4	4	5	6	20	20	11	14	14	12	9	5	4	1	1	1	1	1	1	1	1	1	1	1	1	155
ISLAND WARD	24	18	13	11	15	8	13	14	30	37	48	30	27	8	6	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	465
WOODMANSEE-JOHNSON	17	15	14	22	27	25	24	27	27	34	34	10	13	14	12	9	10	10	11	13	14	10	10	10	7	8	8	8	8	8	6	728
CITY OF REXBURG	24	26	27	35	30	29	27	26	27	26	26	24	23	16	15	15	15	16	18	18	18	29	26	27	29	26	26	23	23	23	23	4387
REXBURG IRRIGATION	130	119	133	118	135	120	135	138	145	160	199	149	146	166	157	151	145	148	161	169	169	170	136	125	125	123	124	124	123	123	121	85
McCORMICK-ROWE	2	3	3	3	2	3	3	3	2	3	3	3	2	3	3	2	3	3	3	3	2	3	3	3	2	3	3	3	2	3	3	374
SAURY-SOMMERS	12	10	9	9	9	8	7	7	8	10	12	14	13	16	14	14	14	14	14	14	13	13	13	13	14	15	16	16	14	13	12	374
TOTAL	733	688	697	661	664	675	708	758	776	846	738	605	623	605	569	545	528	531	543	566	565	573	558	511	508	494	501	508	497	502	506	18782

DAILY DISCHARGE IN SEC.-FT. OF HENRYS FORK CANALS FOR SEPT. 1941
FALL RIVER CANALS

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
YELLOWSTONE	4	3	3	3	3	3	4	3	3	4	3	3	3	3	10	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	121
HARRIGFELD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MARYSVILLE	43	37	37	37	38	37	40	40	38	40	32	31	31	30	30	29	21	20	20	21	25	25	25	26	27	26	26	26	26	26	910
TOTAL ABOVE SQUIRREL	47	40	40	40	41	40	44	43	41	44	35	34	34	33	40	34	26	25	25	26	30	29	29	30	31	30	30	30	30	30	1031
FARMERS OWN	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	300
ARMY	0	0	0	0	0	0	0	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	80	95	95	95	91	91	87	87	87	87	86	87	86	80	80	83	81	81	79	79	78	78	70	64	64	64	64	64	64	64	0
BELL	1	1	2	2	2	2	2	3	3	3	3	3	3	4	4	5	5	4	4	4	4	4	4	2	2	2	2	2	2	2	2
FALL RIVER	142	142	146	146	146	146	146	76	76	216	211	211	211	211	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	76	4342
MCBEE	1	1	1	1	0	0	0	0	0	1	1	1	1	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHESTER	8	8	8	9	9	9	9	9	9	9	4	4	4	4	4	4	4	4	4	4	3	3	4	5	5	5	5	5	5	5	15
SILKY	12	12	13	13	13	13	13	16	16	0	0	0	0	0	0	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CURR	13	12	11	10	10	10	9	23	22	21	19	19	7	7	7	7	7	7	8	8	8	8	2	2	2	2	2	2	2	2	269
TOTAL SQUIRREL-CHESTER	267	281	286	286	281	281	276	224	223	347	334	335	322	317	243	255	253	242	241	241	239	239	226	219	219	219	219	219	219	159	7712

HENRYS FORK CANALS

DEWEY	9	9	9	7	7	7	7	7	7	7	7	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	179	
LAST CHANCE	24	23	23	23	23	23	23	23	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	13	13	13	13	13	10	10	10	397
CROSS CUT	129	129	129	129	129	129	129	130	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1163
ST. ANTHONY UNION	304	304	362	359	360	365	367	263	256	249	253	253	250	247	244	244	240	234	215	205	199	199	199	196	192	190	190	190	190	0	7580	
FARMERS FRIEND	9	9	10	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TWIN GROVES	23	23	22	21	21	21	21	21	21	20	20	19	19	16	16	16	14	14	51	51	51	51	51	51	51	51	51	51	51	51	962	
SALEM UNION	106	106	103	103	103	103	103	111	111	100	87	74	72	72	72	72	72	69	69	69	69	69	69	69	69	69	72	70	70	70	2474	
TOTAL ASHTON-STANTHONY	604	608	658	647	648	648	650	555	535	393	373	363	361	348	345	342	340	332	363	344	334	328	328	341	338	340	334	331	331	331	12793	
EGIN	212	221	219	245	247	217	200	184	184	184	167	160	181	181	181	178	167	150	147	140	134	128	93	134	103	88	88	88	88	88	4797	
ST. ANTHONY UNION FEEDER	56	59	62	62	62	41	32	28	28	28	36	36	36	36	36	10	10	10	9	9	26	26	26	24	26	29	29	29	29	29	959	
INDEPENDENT	185	189	206	206	184	149	126	126	129	126	126	126	129	96	96	81	81	76	74	74	69	69	72	63	63	61	61	61	61	61	3226	
CONSOLIDATED FARMERS	101	82	82	80	80	80	80	80	80	80	80	80	80	80	80	80	79	79	77	77	77	77	79	74	74	74	74	74	74	74	2368	
TOTAL ST. ANTHONY-REXBURG	554	551	569	593	573	487	438	418	421	418	409	402	426	393	393	349	337	315	307	300	306	300	270	295	266	252	252	252	252	252	11350	

TETON RIVER CANALS

SIDDOWAY	5	5	5	5	5	5	5	4	4	5	4	4	4	4	4	4	4	4	4	3	2	2	2	2	2	2	2	2	2	2	187
WILFORD	58	58	59	59	59	59	61	63	63	63	61	61	63	63	65	63	61	66	70	74	72	70	70	52	34	31	30	30	30	30	1738
TETON IRRIGATION	56	58	58	59	62	62	65	65	61	61	61	63	63	60	62	59	58	58	59	61	60	60	59	58	56	54	52	52	52	52	1766
GOOD LUCK	10	12	12	12	12	8	8	8	8	10	10	10	10	10	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	149
PIONEER	5	5	4	5	11	11	11	11	11	9	11	13	13	6	6	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	140
STEWART	9	7	10	9	4	9	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	116	
PINCOCK-BYINGTON	6	5	5	5	5	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	1	1	1	1	91	
PINCOCK-GARNER	5	4	4	3	3	3	2	1	1	11	11	9	7	5	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	113
TETON ISLAND FEEDER	260	200	181	186	190	195	197	202	200	197	197	195	195	190	190	190	190	190	190	195	200	204	204	204	190	127	127	127	127	127	5507
NORTH SALEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROXANA	4	3	4	5	5	5	3	3	3	3	3	3	3	3	3	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	120
ISLAND WARD	0	0	0	0	0	45	21	21	21	21	21	0	0	0	0	21	21	21	21	21	21	21	21	21	21	22	22	22	22	22	471
WOODMANSEE-JOHNSON	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	4	4	4	4	0	0	0	0	0	0	0	0	0	79
CITY OF REXBURG	24	25	25	25	17	18	24	24	24	24	24	24	24	23	23	22	21	22	23	24	22	20	18	18	18	15	14	14	14	14	627
REXBURG IRRIGATION	114	114	114	114	114	112	118	124	126	126	124	124	120	120	131	129	129	120	116	131	131	131	43	43	43	44	44	44	44	44	3036
MCCORMICK-ROWE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAURY-SOMMERS	10	9	9	9	8	8	8	8	8	8	8	8	8	8	8	9	9	8	8	8	8	8	1	1	1	1	1	1	1	1	134
TOTAL	511	510	495	501	505	549	540	550	541	549	547	526	521	500	512	520	510	496	497	521	520	521	430	428	344	307	302	297	297	297	14194

DATE	HENRYS LAKE CONTENTS AC.-FT.	HENRYS FORK NEAR LAKE			STORED LOSS LAKE TO ISL. PARK	STORAGE DIVERSIONS ABOVE ISL. PARK	STORAGE INFLOW TO ISL. PARK RESERVOIR	DATE	ISL. PARK RESERVOIR CONTENTS AC.-FT.	HENRYS FORK NR. ISL. PARK			STORED LOSS ISL. PARK TO ASHTON	DATE	HENRYS FORK NEAR ASHTON			GRASSY LAKE STORAGE RELEASE (a)	STORAGE DIVERTED TO ASHTON (b)	NET STORAGE
		STOR.	NORM.	TOTAL						STOR.	NORM.	TOTAL			STOR.	NORM.	TOTAL			
APR 17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				
25																				
26																				
27																				
28																				
29																				
30	49087																			
MAY 1																				
2																				
3																				
4																				
5																				
6																				
7																				
8	49321																			
9																				
10																				
11																				
12	49321	-20	26	6	-1															
13		-20	26	6	-1	-19														
14		-20	26	6	-1	-19														
15	49438	-52	58	6	-2	-19														
16		-52	58	6	-2	-50														
17		-52	58	6	-2	-50														
18		-52	58	6	-2	-50														
19		-53	59	6	-2	-50														
20		-53	59	6	-2	-51														
21		-53	60	7	-2	-51														
22		-53	60	7	-2	-51														
23		-53	60	7	-2	-51														
24		-53	60	7	-2	-51														
25		-53	60	7	-2	-51														
26		-53	60	7	-2	-51														
27		0	7	7	0	0														
28		0	7	7	0	0														
29		-53	60	7	-2	-51														
30		-53	60	7	-2	-51														
31		-53	60	7	-2	-51														
JUNE 1		-53	61	8	-2	-51														
2		-53	61	8	-2	-51														
3		-53	61	8	-2	-51														
4	51428	0	8	8	0	0														
5		0	8	8	0	0														
6		0	8	8	0	0														
7		0	8	8	0	0														
8		0	8	8	0	0														
9		0	8	8	0	0														
10		-76	84	8	-3	-73														
11		-42	50	8	-2	-40														
12	52832	-29	37	8	-1	-28														
13		-30	38	8	-1	-29														

a. Listed here 1 day later than at dam

b. Includes stored diversions

HENRYS FORK ST. ANTHONY			STORAGE DIVERIONS ST. ANTHONY TO REYBURG	DATE	STORAGE AT HENRYS FK NEAR REYBURG
NR.	NORM.	TOTAL			
104				APR 20	-341
107				21	-304
108				22	-267
109				23	-308
110				24	-379
111				25	-456
112				26	-575
113				27	-614
114				28	-738
115				29	-744
116				30	-669
117				MAY 1	-557
118	2800	2580		2	-220
119	2701	2650		3	-51
120	2824	2770		4	-54
121	2860	2800		5	-60
122	2530	2470		6	-60
123	2351	2290		7	-61
124	1992	1940		8	-52
125	2056	2000		9	-56
126	2648	2560		10	-88
127	2394	2320		11	-74
128	2245	2170		12	-75
129	2261	2170		13	-91
130	2451	2340		14	-111
131	2791	2650		15	-141
132	3029	2870		16	-159
133	2309	2170		17	-139
134	1919	1750		18	-169
135	2004	1820		19	-184
136	1803	1630		20	-173
137	1493	1330		21	-163
138	1245	1070		22	-175
139	1350	1160		23	-190
140	1410	1220		24	-190
141	1648	1430		25	-218
142	1741	1520		26	-221
143	1988	1770		27	-218
144	3079	2820		28	-259
145	3520	3280		29	-240
146	2506	2320		30	-186
147	2114	1940		31	-174
148	2090	1880		JUNE 1	-210
149	2051	1840		2	-211
150	1672	1480		3	-192
151	1382	1190		4	-192
152	1468	1260		5	-208
153	1650	1490		6	-160
154	2180	2000		7	-180
155	2015	1840		8	-175
156	2132	1960		9	-172
157	1985	1820		10	-165
158	1681	1540		11	-141
159	1480	1290		12	-190
160	1372	1160		13	-212
161	1324	1160		14	-164

from Fall R.

HENRYS FORK - DAILY

24 HOUR SECOND

DATE	HENRYS LAKE CONTENTS AC-FT.	HENRYS FORK NEAR LAKE			STORED LOSS LAKE TO ISL. PARK	STORAGE DIVERIONS ABOVE ISL. PARK	STORAGE INFLOW TO ISL. PARK RESERVOIR	DATE	ISL. PARK RESERVOIR CONTENTS AC-FT.	HENRY NR. ISL.
		STOR.	NORM.	TOTAL						
JUNE 12	52949	156	8	8	-6		JUNE 13	132 230	-172	
13	53242	156	8	8	-1		14	132 070	-58	
14	53300	156	8	8	-1		15	131 990	-58	
15		156	8	8	0		16	131 970	40	
16	53418	156	8	8	0		17	131 830	159	
17		156	8	8	0		18	131 515	40	
18		156	8	8	0		19	131 435	40	
19		156	8	8	0		20	131 355	-40	
20	53886	156	18	18	0		21	131 435	77	
21	53886	156	18	18	0		22	131 195	95	
22		156	18	18	0		23	131 035	105	
23		156	18	18	0		24	130 720	260	
24		156	18	18	0		25	130 170	570	
25		156	18	18	0		26	128 545	691	
26		156	18	18	0		27	127 110	751	
27	53769	156	18	18	0		28	125 710	721	
28		156	19	19	0		29	124 395	711	
29		156	19	19	0		30	123 475	721	
30	53886	156	19	19	0		JULY 1	122 110	408	
JULY 1		156	19	19	0		2	121 730	273	
2	53652	156	19	19	0		3	120 970	309	
3		156	19	19	0		4	120 515	450	
4		156	19	19	0		5	119 460	598	
5		156	19	19	0		6	118 190	598	
6		156	19	19	0		7	117 595	598	
7	53828	156	19	19	0		8	115 890	598	
8		156	19	96	3		9	114 790	634	
9		206	19	225	8		10	113 695	758	
10		207	18	225	8		11	112 385	758	
11		208	17	225	8	2	12	111 735	768	
12	51896	209	16	225	8	2	13	110 440	768	
13	51794	209	16	225	8	2	14	109 155	758	
14	50843	209	16	225	8	2	15	108 235	828	
15	50492	208	16	224	8	2	16	106 825	1038	
16	49906	209	15	224	8	2	17	105 220	1038	
17	49438	209	15	224	8	2	18	103 765	1038	
18	48970	209	15	224	8	2	19	102 720	1098	
19	48741	207	15	222	8	2	20	100 490	1119	
20	48168	207	15	222	8	2	21	98 810	1019	
21	47824	208	14	222	8	2	22	97 345	959	
22	47021	206	14	220	8	2	23	95 895	769	
23	46448	203	14	217	8	2	24	94 975	623	
24	45989	202	14	216	8	2	25	94 130	617	
25	45875	202	14	216	8	2	26	93 415	623	
26	45645	201	13	214	8	2	27	92 130	623	
27	45130	199	13	212	8	2	28	91 940	623	
28	44499	198	13	211	8	2	29	91 050	629	
29	44040	198	13	211	8	2	30	90 225	809	
30	43811	196	13	209	8	2	31	88 905	909	
31	43353	196	13	209	8	3	AUG. 1	87 720	985	
AUG. 1	43014	196	13	209	8	5	2	85 990	1085	
2	42565	196	13	209	8	5	3	84 295	1025	
3	42117	196	13	209	8	5	4	82 495	1065	
4	41669	195	13	208	8	5	5	80 955	1125	
5	40996	196	13	209	8	5	6	78 975	1225	
6	40660	198	13	211	8	5	7	76 920	1215	

REGULATION OF FLOW 1941
 FEET EXCEPT AS NOTED

STATION	HENS FORD PARK		STOR. LOSS ISL. PARK TO ASHTON	DATE	HENRY'S FORK NEAR ASHTON			GRASSY LAKE STORAGE RELEASE	STORAGE DIVERTED ASHTON TO ST. ANTHONY	HENRY'S FORK AT ST. ANTHONY			STORAGE DIVERTED ST. ANTHONY TO REXBURG	DATE	STORAGE HENRY'S FORD NEAR REXBURG
	ARM	TOTAL			STOR.	NORM.	TOTAL			STOR.	NORM.	TOTAL			
74	678	326	-4	JUNE 14	-168	1448	1280								
104	566	508	-1	15	-57	1287	1230	-106							
167	561	503	-1	16	-57	1357	1300	-120		1257	983				
108	454	494	1	17	39	1221	1260	-116		1107	930		JUNE 16		-177
179	325	484	4	18	155	1085	1240	-125		1135	962		17		-178
156	425	463	1	19	39	1191	1230	-117		86	432	846	18		-86
175	440	480	1	20	39	1221	1260	-118		38	674	712	19		88
174	492	452	-1	21	-39	1239	1200	-93		73	707	634	20		-73
138	370	447	2	22	75	1255	1330	44	175	-54	766	712	21		-54
144	370	465	2	23	93	1187	1280	58	178	-170	837	667	22		-170
169	370	475	3	24	102	1098	1200	73	186	-95	721	676	23		-95
157	370	630	4	25	254	976	1230	88	216	-14	648	634	24		-14
220	370	940	14	26	556	1194	1730	146	446	-26	521	505	25		-26
151	369	1060	17	27	674	1166	1840	189	418	-46	578	532	26		-46
154	369	1120	19	28	722	1128	1860	155	489	327	713	1040	185	27	142
160	369	1090	18	29	703	1177	1880	141	478	340	740	1130	117	28	223
166	369	1080	18	30	693	1187	1880	64	292	375	745	1120	310	29	65
161	369	1090	18	JULY 1	703	1177	1880	71	193	425	605	1080	45	30	430
152	362	770	10	2	398	962	1360	83	306	571	559	1130	39	JULY 1	532
156	362	635	7	3	266	1074	1340	75	242	480	630	1110	34	2	446
188	362	671	8	4	301	1119	1420	47	483	428	659	730	23	3	208
174	362	812	11	5	439	1121	1560	34	480	-170	829	659	128	4	-298
175	362	960	15	6	583	1137	1720	27	467	-145	821	676	121	5	-266
191	362	960	15	7	583	1067	1650	34	456	6	696	702	131	6	-125
111	362	960	15	8	583	1067	1650	34	453	154	662	816	183	7	-29
141	362	960	15	9	583	1077	1660	41	446	169	622	786	348	8	-184
159	362	996	16	10	618	1132	1750	14	467	178	552	730	283	9	-108
139	362	1120	19	11	739	1101	1840	0	470	117	613	730	278	10	-161
169	362	1120	19	12	739	1101	1840	47	474	165	603	767	278	11	-113
184	362	1130	19	13	749	1081	1830	42	474	269	567	826	315	12	-46
173	362	1130	19	14	749	1061	1810	46	474	292	574	806	336	13	-44
163	362	1120	19	15	739	1071	1810	46	474	227	579	806	297	14	-70
175	362	1190	21	16	807	1233	2040	46	474	227	579	806	280	15	-41
190	362	1400	26	17	1012	1028	2040	46	474	227	579	806	251	16	-240
190	362	1400	26	18	1012	1108	2120	46	474	11	845	856	231	17	-215
218	362	1400	26	19	1012	1108	2120	46	474	271	844	940	271	17	-215
221	362	1440	27	20	1071	1209	2280	45	474	260	815	1020	260	18	-45
218	361	1480	28	21	1091	1089	2180	44	474	237	753	994	261	19	-23
254	361	1380	25	22	994	1006	2000	76	474	213	770	983	257	20	-44
240	361	1320	24	23	935	1005	1940	69	474	887	249	811	250	21	-1
186	361	1130	19	24	750	1000	1750	69	474	249	811	1060	240	22	129
174	361	984	16	25	607	1043	1650	70	474	786	369	821	240	22	129
210	361	978	15	26	602	1028	1630	19	474	651	419	761	166	23	253
211	361	984	15	27	608	1022	1630	18	474	633	377	703	101	24	276
192	361	984	15	28	608	972	1580	13	474	628	191	781	103	25	88
192	361	984	15	29	608	972	1580	12	474	590	87	875	45	26	42
208	361	990	16	30	613	967	1580	13	474	545	76	875	44	27	32
140	361	1170	20	31	787	1111	1900	18	474	549	72	879	66	28	6
180	361	1270	23	AUG. 1	886	994	1880	18	474	553	73	885	132	29	-59
175	325	1310	24	2	961	1059	2020	25	474	573	48	839	153	30	-105
172	325	1410	27	3	1058	1012	2060	18	474	603	22	834	184	31	-167
165	325	1400	27	4	1038	982	2020	24	474	642	160	802	268	AUG. 1	-108
141	325	1390	29	5	1038	982	2020	24	474	676	228	748	315	2	-82
190	325	1500	30	6	1146	1074	2220	25	474	670	309	721	512	3	-203
212	325	1550	30	7	1195	1025	2220	25	474	680	403	727	484	4	-81
164	325	1540	30	8	1185	1015	2200	20	474	680	386	854	470	5	-84
										698	358	842	427	6	-69
										764	406	814	451	7	-45
										783	437	743	454	8	-17
										822	423	717	458	9	-35

DATE	HENRY'S LAKE CONTENTS AC-FT.	HENRY'S NEAR REXBURG
		STOR.
AUG 7	28332	198
8	28448	198
9	28518	198
10	28578	198
11	28678	198
12	28778	198
13	28878	198
14	28978	198
15	29078	198
16	29178	198
17	29278	198
18	29378	198
19	29478	198
20	29578	198
21	29678	198
22	29778	198
23	29878	198
24	29978	198
25	30078	198
26	30178	198
27	30278	198
28	30378	198
29	30478	198
30	30578	198
31	30678	198
SEP 1		
2	30778	198
3	30878	198
4	30978	198
5	31078	198
6	31178	198
7	31278	198
8	31378	198
9	31478	198
10	31578	198
11	31678	198
12	31778	198
13	31878	198
14	31978	198
15	32078	198
16	32178	198
17	32278	198
18	32378	198
19	32478	198
20	32578	198
21	32678	198
22	32778	198
23	32878	198
24	32978	198
25	33078	198
26	33178	198
27	33278	198
28	33378	198
TOTALS		6018

RYS FORK LAKE

STOR. LOSS LAKE TO ISL. PARK		STORAGE DIVERSTIONS ABOVE ISL. PARK	STORAGE INFLOW TO ISL. PARK	DATE	ISL. PARK RESERVOIR CONTENTS AC. FT.	HENRYS FORK NR. ISL. PARK			STOR. LOSS ISL. PARK TO ASHTON	DATE	HENRYS FORK NEAR ASHTON			GRASSY LAKE STORAGE RELEASE	STORAGE DIVERSTED ASHTON TO ST. ANTHONY	HENRYS FORK AT ST. ANTHONY			STORAGE DIVERSTED TO READING	DATE	STORAGE HENRYS FORK NEAR ALXBURG	
NORM	TOTAL					STOR	NORM	TOTAL			STOR.	NORM	TOTAL			STOR.	NORM	TOTAL				STOR.
13	211	8			24965	1215	325	1540	30	AUG. 9	1185	1035	2220	73	219	435	725	1190				
13	211	8	5	185	22970	1216	324	1540	30	10	1186	1034	2220	72	218	434	724	1190	926	AUG. 10	-1	
13	211	8	5	185	21010	1205	323	1530	30	11	1175	1105	2280	72	218	434	724	1190	352	11	76	
20	209	8	5	176	19230	1170	319	1480	15	12	1094	1094	1660	12	217	433	723	1190	217	12	280	
40	211	7	4	159	18410	1130	313	1410	6	13	1054	1054	1410	12	216	432	722	1190	21	13	210	
45	211	7	4	155	16830	1080	307	1350	12	14	1014	1014	1140	12	215	431	721	1190	0	14	181	
40	211	7	4	160	167745	1040	301	1290	13	15	974	974	940	0	214	430	720	1190	0	15	159	
35	142	4	4	99	167090	990	295	1230	13	16	934	934	940	-6	213	429	719	1190	0	16	141	
27	27	4	4	-4	166345	940	289	1170	17	17	894	894	940	-6	212	428	718	1190	0	17	121	
27	27	4	4	-4	165550	890	283	1110	17	18	854	854	940	0	211	427	717	1190	0	18	99	
26	26	4	4	-4	165505	840	277	1050	5	19	814	814	940	0	210	426	716	1190	0	19	193	
26	26	4	4	-4	165995	790	271	990	0	20	774	774	940	-6	209	425	715	1190	0	20	205	
26	26	4	4	-4	166045	740	265	930	-6	21	734	734	940	0	208	424	714	1190	0	21	205	
24	24	4	4	-4	165995	690	259	870	1	22	694	694	940	0	207	423	713	1190	0	22	205	
24	24	4	4	-4	165995	640	253	810	0	23	654	654	940	0	206	422	712	1190	0	23	205	
23	23	4	4	-4	165995	590	247	750	0	24	614	614	940	6	205	421	711	1190	162	24	205	
24	24	4	4	-4	165995	540	241	690	8	25	574	574	940	0	204	420	710	1190	233	25	205	
24	24	4	4	-4	165995	490	235	630	11	26	534	534	940	0	203	419	709	1190	249	26	205	
24	24	4	4	-4	165995	440	229	570	7	27	494	494	940	0	202	418	708	1190	169	27	205	
24	24	4	4	-4	165995	390	223	510	12	28	454	454	940	0	201	417	707	1190	185	28	205	
24	24	4	4	-4	165995	340	217	450	10	29	414	414	940	-6	200	416	706	1190	171	29	205	
24	24	4	4	-4	165995	290	211	390	16	30	374	374	940	0	199	415	705	1190	157	30	205	
24	24	4	4	-4	165995	240	205	330	14	31	334	334	940	0	198	414	704	1190	143	31	205	
24	24	4	4	-4	165995	190	199	270	12	32	294	294	940	0	197	413	703	1190	129	32	205	
24	24	4	4	-4	165995	140	193	210	10	33	254	254	940	0	196	412	702	1190	115	33	205	
24	24	4	4	-4	165995	90	187	150	8	34	214	214	940	-6	195	411	701	1190	101	34	205	
24	24	4	4	-4	165995	40	181	90	7	35	174	174	940	0	194	410	700	1190	87	35	205	
25	25	4	4	-4	165995	-10	175	30	11	36	134	134	940	0	193	409	699	1190	73	36	205	
25	25	4	4	-4	165995	-60	169	-30	10	37	94	94	940	0	192	408	698	1190	59	37	205	
25	25	4	4	-4	165995	-110	163	-90	9	38	54	54	940	0	191	407	697	1190	45	38	205	
25	25	4	4	-4	165995	-160	157	-150	8	39	14	14	940	0	190	406	696	1190	31	39	205	
25	25	4	4	-4	165995	-210	151	-210	7	40	-26	-26	940	0	189	405	695	1190	17	40	205	
25	25	4	4	-4	165995	-260	145	-270	6	41	-86	-86	940	0	188	404	694	1190	3	41	205	
25	25	4	4	-4	165995	-310	139	-330	5	42	-146	-146	940	0	187	403	693	1190	-11	42	205	
25	25	4	4	-4	165995	-360	133	-390	4	43	-206	-206	940	0	186	402	692	1190	-27	43	205	
25	25	4	4	-4	165995	-410	127	-450	3	44	-266	-266	940	0	185	401	691	1190	-43	44	205	
25	25	4	4	-4	165995	-460	121	-510	2	45	-326	-326	940	0	184	400	690	1190	-59	45	205	
25	25	4	4	-4	165995	-510	115	-570	1	46	-386	-386	940	0	183	399	689	1190	-75	46	205	
25	25	4	4	-4	165995	-560	109	-630	0	47	-446	-446	940	0	182	398	688	1190	-91	47	205	
25	25	4	4	-4	165995	-610	103	-690	0	48	-506	-506	940	0	181	397	687	1190	-107	48	205	
25	25	4	4	-4	165995	-660	97	-750	0	49	-566	-566	940	0	180	396	686	1190	-123	49	205	
25	25	4	4	-4	165995	-710	91	-810	0	50	-626	-626	940	0	179	395	685	1190	-139	50	205	
25	25	4	4	-4	165995	-760	85	-870	0	51	-686	-686	940	0	178	394	684	1190	-155	51	205	
25	25	4	4	-4	165995	-810	79	-930	0	52	-746	-746	940	0	177	393	683	1190	-171	52	205	
25	25	4	4	-4	165995	-860	73	-990	0	53	-806	-806	940	0	176	392	682	1190	-187	53	205	
25	25	4	4	-4	165995	-910	67	-1050	0	54	-866	-866	940	0	175	391	681	1190	-203	54	205	
25	25	4	4	-4	165995	-960	61	-1110	0	55	-926	-926	940	0	174	390	680	1190	-219	55	205	
25	25	4	4	-4	165995	-1010	55	-1170	0	56	-986	-986	940	0	173	389	679	1190	-235	56	205	
25	25	4	4	-4	165995	-1060	49	-1230	0	57	-1046	-1046	940	0	172	388	678	1190	-251	57	205	
25	25	4	4	-4	165995	-1110	43	-1290	0	58	-1106	-1106	940	0	171	387	677	1190	-267	58	205	
25	25	4	4	-4	165995	-1160	37	-1350	0	59	-1166	-1166	940	0	170	386	676	1190	-283	59	205	
25	25	4	4	-4	165995	-1210	31	-1410	0	60	-1226	-1226	940	0	169	385	675	1190	-299	60	205	
25	25	4	4	-4	165995	-1260	25	-1470	0	61	-1286	-1286	940	0	168	384	674	1190	-315	61	205	
25	25	4	4	-4	165995	-1310	19	-1530	0	62	-1346	-1346	940	0	167	383	673	1190	-331	62	205	
25	25	4	4	-4	165995	-1360	13	-1590	0	63	-1406	-1406	940	0	166	382	672	1190	-347	63	205	
25	25	4	4	-4	165995	-1410	7	-1650	0	64	-1466	-1466	940	0	165	381	671	1190	-363	64	205	
25	25	4	4	-4	165995	-1460	1	-1710	0	65	-1526	-1526	940	0	164	380	670	1190	-379	65	205	
25	25	4	4	-4	165995	-1510	-5	-1770	0	66	-1586	-1586	940	0	163	379	669	1190	-395	66	205	
25	25	4	4	-4	165995	-1560	-11	-1830	0	67	-1646	-1646	940	0	162	378	668	1190	-411	67	205	
25	25	4	4	-4	165995	-1610	-17	-1890	0	68	-1706	-1706	940	0	161	377	667	1190	-427	68	205	
25	25	4	4	-4	165995	-1660	-23	-1950	0	69	-1766	-1766	940	0	160	376	666	1190	-443	69	205	
25	25	4	4	-4	165995	-1710	-29	-2010	0	70	-1826	-1826	940	0	159	375	665	1190	-459	70	205	
25	25	4	4	-4	165995	-1760	-35	-2070	0	71	-1886	-1886	940	0	158	374	664	1190	-475	71	205	
25	25	4	4	-4	165995	-1810	-41	-2130	0	72	-1946	-1946	940	0	157	373	663	1190	-491	72	205	
25	25	4	4	-4	165995	-1860	-47	-2190	0	73	-2006	-2006	940	0	156	372	662	1190	-507	73	205	
25	25	4	4	-4	165995	-1910	-53	-2250	0	74	-2066	-2066	940	0	155	371	661	1190	-523	74	205	
25	25	4	4	-4	165995	-1960	-59	-2310	0	75	-2126	-2126	940	0	154	370	660	1190	-539	75	205	
25	25	4	4	-4	165995	-2010	-65	-2370	0	76	-2186</											

DAILY STORAGE DIVERSIONS

Table with columns for Name of Canal, No., and months June and July (days 1-30). Rows include users like Island Park Res., Boom Creek, Squirrel Creek, Conant Creek, Harrigfeld, Yellowstone, Marysville, Farmers Own, Enterprise, Fall River & East Teton, Chester, McBee, Silvey, Cross Cut, Curr, Dewey, Last Chance, St. Anthony Union, Farmers Friend, Twin Groves, Salem Union, Total Ashton to St. Anthony, Egin, Independent, Consolidated Farmers, Island Ward, Teton Basin Users, Canyon Creek, Siddoway, Wilford, Good Luck, Pioneer, Stewart, Pincock-Byington, Thompson-Eames, Pincock-Garner, Teton Island Feeder, Woodmansee-Johnson, Teton Irrigation, City of Rexburg, Rexburg Irrigation, Roxana, McCormick-Rowe, and Total St. Anthony to Rexburg.

BY

21	7	28	29	30	31	SEP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	NO		
2	4	4	4	4	4	3																											
24	8	7	9																														
6	7	7	8	8	4	4	3	3	3	3	3	4	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
144	4	44	44	44	44	43	37	37	37	38	37	40	40	38	40	32	31	31	30	30	29	21	20	20	21	25	25	25	0	8			
51	2	12	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	6	3	3	3	3	3	3	0	7		
130	4	121	114	114	80	80	95	95	95	91	91	87	87	87	87	86	87	86	80	80	83	81	81	79	79	78	78	70	0	11			
6	13	13	13	9	9	9	5	4	4	4	4	4	4	4	6	6	0																
2																																	
58																																	
1212	12	7	7	7	9	9	9	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
4040	38	38	24	24	24	23	23	23	23	23	23	23	23	23	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	0	18		
60					9	9	10	5	5																								
9420	24	24	23	23	23	23	22	21	21	21	21	21	21	20	20	19	19	16	16	16	0												
159						106	103	103	103	103	103	111	111	100	87	74	72	72	72	72	0												
78670	278	266	238	200	211	320	316	308	305	299	299	306	293	284	255	241	238	221	228	225	123	118	116	117	120	119	111	0	25	37981	75333		
12637	155	155	151	155	185	189	206	206	184	149	126	126	129	126	126	126	129	96	96	81	81												
8816	16	19	19	19	21																												
26																																	
87																																	
5	3	3	3	3	3																												
11																																	
0																																	
4																																	
3																																	
6																																	
3																																	
73																																	

NO	TOTAL SEC-FT.	TOTAL AC-FT.	TOTAL ALLO AC
1			
2	181	359	
3			
4	229	454	
5	47	93	
6	950	1884	
7	0	0	
8	495	982	
9	7353	14584	
10	2742	5481	
11	10170	20172	
12	0	0	
13	516	1022	
14	22	46	
15	34	67	
16	2006	3977	
17	0	0	
18	549	1089	
19	2710	5375	
20	169	335	
21	1476	2928	
22	2713	5381	
23	5798	11500	
24			
25	37981	75333	
26			
27			
28	915	1815	
29	9474	18791	
30	2864	5681	
31	1177	2334	
32	2583	5123	
33	345	724	
34	123	244	
35	404	801	
36	29	58	
37	20	40	
38	65	129	
39	5	10	
40	3	6	
41	43	85	
42	616	1222	
43	306	607	
44	0	0	
45	45	89	
46	644	1277	
47	0	0	
48	0	0	
49			
50	(5) 15630	(5) 31002	
51			

206 184 194 147 147 150 147 147 126 129 96 96 102 102 21 21 21 21 21 21

B.

R

RESERVOIR RIGHTS					
DIST.	HENRYS LAKE	AM. FALLS	RENTALS & TRANSFERS	TOTAL RIGHT	HEADGATE EQUIV.
AC.-FT.	AC.-FT.	AC.-FT.	AC.-FT.	AC.-FT.	AC.-FT.
7 28 29			① 359	359	359
4 4	507			507	507
	355			355	346
	1648			1648	1607
8 7	1155			1155	1126
2	1436			1436	1400
7 7	9023			9023	8548
4 4 4	8500			8500	8288
14 2 12		21738		21738	20160
5 4 121 11	8430			8430	8220
130	1144			1144	1110
13 13			① 54	54	53
	266			266	259
See Teton River Canals below.					
5	679	④ 438		1117	1072
12 12	1800	4899		6699	6342
40 38 3	4860	2372		7232	6959
	5837			5837	5692
6	4780		① 1500	6280	6123
920 24	8642	8443		17085	16330
15					
7870 278 20	59062	16152	21738	1554	108506
	2583	2372		4955	4739
1237 155 1	10377	9350		19727	18871
816 16	4320	7013		11333	10777
	3576			3576	3487
20			① 5836	5836	5123
8			① 824	824	724
53 3	466			466	409
11	1980			1980	1746
	256			256	225
	154			154	135
	360			360	316
	316			316	277
	120			120	105
	232			232	204
	10059			10059	8829
	1375			1375	1207
	1401			1401	1230
4			① 102	102	89
	2500			2500	2194
	1104			1104	967
1 7	240			240	234
			6762	66916	61890
24653 171	141419	18735			

NOTES

- ① Rented from Fremont Madison District.
- ② Discharge below Fall River Canal diversions from Cross Cut.
- ③ These quantities are 1/2 of actual diversions in Teton Basin one day earlier.
- ④ Part of Last Chance right.
- ⑤ Excludes Canals on lines 32 to 48 inclusive, after July 12, as all storage received by them, after that date, was carried thru Cross Cut Canal and has been tabulated on line 16.

Note: This tabulation excludes the "Bishop" decree of 12 sec. ft., which was allocated to and used by some of these canals in lieu of stored water. See page 41 of text.

TETON BASIN AND SWAN

24-HOUR

STREAM	MAY							JUN																															
	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18				
TETON BASIN																																							
TRAIL CREEK ABOVE STRING CANAL	150																																						
GAME CREEK AT MOUTH	60																																						
STRING CANAL [ⓐ]																																							
KIMBALL CANAL																																							
RICHS-KIRSLEY CANAL																																							
TOWN CANAL																																							
SPENCER CANAL																																							
HUMBLE CANAL																																							
TONKS CANAL																																							
FOX CREEK ABOVE DIVERSIONS	80																																						
DARBY CREEK ABOVE DIVERSIONS																																							
GRAND TETON CANAL AT HEAD																																							
TETON CREEK BELOW GRAND TETON CAN.																																							
TOTAL SO. LEIGH CANALS AT STATE LINE [ⓑ]																																							
SO. LEIGH CR. BELOW CANALS AT STATE LINE [ⓑ]																																							
NO. LEIGH CR. AT FOREST BOUNDARY																																							
SPRING CR. AT HWY. BRIDGE EAST OF TETONIA																																							
TETONIA CANAL AT HEAD																																							
BADGER CR. 2 MI. EAST OF HONEYDALE SCH.																																							
SWAN VALLEY																																							
NORTH FORK INDIAN CREEK																																							
SOUTH FORK INDIAN CREEK																																							
PALISADE CANAL																																							
PALISADE CR. BELOW PALISADE CANAL																																							
RAINEY CREEK ABOVE DIVERSIONS																																							

[ⓐ] Diverted about 6 sec.-ft. from Warm Creek in addition to these quantities.
[ⓑ] Add So. Leigh Canals and So. Leigh Creek at State Line to get total flow entering Idaho.

SECOND FEET

17	20	21	22	23	24	25	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		
							63	63			62		41					64																				
201				187	174		18	18			17		16						61						42			57		56			57				57	
112				144	1288		21	21	21	20	20	20	20	20	20	21		22		19					18			16		15			15			14		
							14	14	12	12	12	12	11	11	11	13	13	13	13	12	12	12	12	13	13					20		17			17			
							5	5	6	5	5	5	5	5	5	6	6	6	6	5	5	5	5	5														
							15	14	14	16	18	16	15	15	15	17	17	17	17	14	16	16	17	16														
							10	8	7	7	8	8	7	7	7	10	10	10	10	8	8	8	10	10														
							1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1														
							12	12	12	10	10	9	8	8	8	15	15	15	12	10	10	10	12	14														
													14						25		18				20				16							15		
206				107	79		23						21					42		29				32												23		
				270	282		25	24	20	21	23	23	21	20		35	49			36			31	36			33				26		27		27			
	246			223	236	205																																
														8		14		8	9					16												17		
														1		8		29						2													2	
														11		19							18		19											15		
														18		18							19		24				21							21		
168																																						

Vertical scale 2029
Daily discharge in cubic feet of

JACKSON LAKE at MORAN, WYO.

For the year ending September 30, 1913

Plate No. 24

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	167320	192630	214800	237120	262470	284660	300990	335370	550620	666080	441000	295270
2	168880	194010	215400	237530	263090	285090	301840	338620	556720	661960	431050	290390
3	169860	194800	215800	238140	263710	285300	302480	343180	562380	661000	420670	284660
4	170830	195990	216000	238550	264130	285720	303330	347520	567560	662930	410560	277330
5	172000	196780	216400	239570	264760	286150	304180	353420	572270	662210	400730	269370
6	172590	197580	216810	240590	265390	286780	305240	357590	578410	656400	390680	261640
7	173560	198370	217210	241400	266020	287210	306090	360440	583870	649130	381160	255440
8	174340	199360	217610	241810	266650	287630	306730	365710	590980	641910	372300	250270
9	174920	200550	218010	242420	267900	288270	307380	369430	596440	633250	364610	245720
10	175700	201140	218410	244280	268950	288900	308240	373410	602860	624120	358910	242830
11	176480	201740	218820	245100	270000	289330	308880	377840	607640	614560	352550	239570
12	177260	202130	219020	245930	271250	289540	309740	383380	612890	605480	351670	235490
13	178040	202330	219420	246960	271880	289960	310810	388470	618140	597150	352330	232840
14	178630	202730	219820	248000	272720	290600	311670	403630	622200	587660	352330	230590
15	179410	202930	220220	249240	273140	291030	312530	414810	628200	579360	352110	228550
16	180190	203130	220630	250270	273350	291450	313810	422030	635900	570860	352550	227130
17	180970	203940	221030	251100	273770	291870	315750	427210	641430	560960	351670	225290
18	181360	204340	222430	251930	275020	292510	316820	433980	650340	550150	350140	223860
19	181750	205350	223450	252750	275650	292930	317460	440090	656880	539620	349700	223250
20	182140	205950	224470	253580	276280	293780	318110	445770	662450	530020	349700	222030
21	182520	206750	225290	253990	276910	294210	318970	451460	668990	520490	348600	219820
22	182920	207360	225700	254820	277960	294630	319610	458050	671170	512590	342960	217610
23	183520	207960	226310	256060	278790	295690	320470	464680	672860	505400	336820	216000
24	184110	208560	228350	256480	279630	296330	321750	473840	675300	496620	330160	215800
25	184900	209170	229570	257100	280890	296750	322830	484390	677980	487160	323690	217210
26	185690	209770	230590	258130	281730	297180	324330	496390	679200	479120	318750	219820
27	187080	210770	231820	259160	282360	297810	326050	508410	678230	472470	314670	221830
28	188660	211580	233860	259990	282980	298450	327550	518870	673840	464910	312100	223250
29	189650	212780	234670	260610		299080	329720	527470	670680	459640	308020	224470
30	190450	214390	235280	261230		299720	332110	535870	668260	454420	303750	226110
31	191240		236100	261850		300360		543130	448960	299510		

MEAN												
ACRE-												
FEET												

Daily discharge, in second-feet, of

SNAKE RIVER at MORAN, WYO.

for the year ending September 30, 1925

Plate No. 25

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	24	21	21	18	18	18	19	19	20	3180	6020	3020
2	24	21	21	18	18	18	19	19	209	2960	6280	3330
3	21	21	21	18	18	18	19	18	865	284	6060	4300
4	21	21	21	18	18	18	19	18	1670	1310	6020	4890
5	21	21	21	17	17	18	19	17	1470	3870	5750	4540
6	21	21	21	17	17	18	19	16	959	5260	5560	4200
7	21	21	21	17	17	18	19	15	306	5750	5480	3760
8	21	21	21	18	17	18	20	14	26	5780	5420	3010
9	21	21	21	18	17	18	20	13	25	6110	5210	2490
10	21	21	21	18	17	18	20	12	24	6090	4810	2530
11	21	21	21	18	17	18	20	12	24	6120	3580	2610
12	21	21	21	18	17	18	20	12	300	5920	1240	2420
13	21	21	21	18	17	18	20	12	1210	5770	868	1900
14	21	21	21	18	18	18	20	19	1280	5730	854	1890
15	21	21	21	18	18	18	20	20	422	5700	854	1880
16	21	21	20	18	18	18	20	21	24	5940	963	1860
17	21	21	20	18	18	18	20	312	21	6580	1340	1670
18	21	21	20	18	18	18	20	1080	20	6720	1340	1470
19	21	21	20	18	17	18	20	929	18	6670	1340	1760
20	21	21	19	18	17	18	20	558	198	6310	1460	2180
21	21	21	19	18	17	18	20	552	1390	5650	2890	1940
22	21	21	18	17	17	18	20	1400	1900	5130	4050	1740
23	21	21	18	17	17	18	20	1260	1480	5310	4030	1060
24	21	21	18	17	17	18	20	520	1100	5400	4020	242
25	21	21	18	17	17	18	20	223	1040	5480	3820	22
26	21	21	18	17	17	18	20	32	1970	4990	3430	19
27	21	21	18	17	17	18	20	24	3300	4600	2880	18
28	21	21	18	17	17	18	20	24	3980	4050	2550	18
29	21	21	18	18		18	20	24	3010	3010	2710	18
30	21	21	18	18		18	20	24	2400	3400	3160	18
31	21		18	18		18		21		4140	3070	

MEAN	21.2	21.0	19.8	17.7	17.3	18.0	19.8	234	1022	4942	3454	2027
ACRE- FEET	1300	1250	1220	1090	962	1110	1180	14360	60820	303900	212300	120600

Daily discharge, in second-feet, of

SNAKE RIVER at CALAMITY POINT NEAR IRWIN, IDAHO

For the year ending September 30, 1914
Plate No. 26

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2510	2230	1900	1650	1530	1630	2660	5500	8800	8430	7400	5840
2	2400	2200	1900	1560	1530	1680	2790	5810	8250	9230	8980	5790
3	2470	2280	1900	1520	1530	1660	2860	6480	8040	8610	8980	6100
4	2490	2230	1900	1530	1540	1640	2790	6920	9140	6050	8800	7090
5	2380	2140	1870	1710	1560	1640	3050	6920	10700	6730	8700	7660
6	2320	2140	1890	1900	1640	1640	3110	6480	10900	9040	8600	7320
7	2280	2180	1870	1840	1620	1620	2860	5710	9970	10200	8500	7150
8	2280	2220	1840	1750	1620	1600	2770	5680	9740	10800	8400	6780
9	2410	2200	1840	1690	1620	1630	2770	6070	9490	10900	8600	5990
10	2300	2170	1780	1780	1640	1620	2840	6480	9680	10800	8550	5580
11	2240	2110	1780	1750	1640	1600	2840	7180	8980	10600	8400	5500
12	2200	2000	1800	1680	1600	1570	2860	8460	8490	10600	7750	5500
13	2170	1940	1740	1630	1570	1550	2960	10200	8920	10200	5710	5280
14	2160	2000	1750	1760	1550	1540	2980	11200	10600	9840	4750	4770
15	2140	1970	1570	1930	1560	1520	2980	10400	11500	9810	4470	4790
16	2110	1960	1570	1890	1560	1580	3070	9040	11300	9520	4400	4840
17	2100	1970	1740	1760	1570	1630	3040	8520	11400	9550	4320	4720
18	2080	1980	1870	1700	1590	1680	2840	9620	11600	10100	4960	4610
19	2070	2000	1820	1700	1620	1760	2740	10600	11400	10100	4840	4540
20	2050	1900	1760	1730	1620	1830	2670	9390	10300	10200	4790	4630
21	2050	1900	1750	1700	1620	1910	2670	8640	10100	9910	4870	5030
22	2040	1940	1750	1700	1640	2030	2760	9330	11100	8980	6100	4820
23	2030	1900	1750	1710	1660	2070	2960	11200	11400	8490	7090	4660
24	2010	1830	1790	1690	1660	2040	3260	12000	11000	8670	7060	4160
25	2010	1910	1760	1660	1640	2000	3590	11700	10200	8770	7010	3550
26	2030	1860	1750	1680	1590	2030	3780	11800	9420	9010	6780	3130
27	2220	1830	1780	1650	1560	2140	3920	12800	9420	8670	6400	3170
28	2360	1910	1760	1590	1570	2230	4310	12600	10200	8220	5840	3130
29	2260	1970	1730	1550		2360	4820	10900	10700	7460	5480	3070
30	2220	2030	1740	1560		2460	5200	9740	9390	6420	5580	2980
31	2200		1760	1550		2570		9110		6640	5970	

MEAN	2213	2030	1787	1694	1595	1821	3158	8919	10,070	9,115	6719	5073
ACRE- FEET	136,000	120,800	109,900	104,100	88,560	112,000	187,900	548,400	599,300	560,400	413,100	301,800

U. S. GOVERNMENT PRINTING OFFICE 8-7149

YEAR
or
PERIOD MEAN 4,534
ACRE-Feet 3,282,260



Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2940	2540	2270	1950	1790	1970	3080	6520	9850	9260	7380	6580
2	2850	2570	2200	1850	1800	2060	3270	6880	9260	9320	9120	6400
3	2810	2570	2220	1770	1820	2070	3310	7450	8770	10200	9460	6580
4	2880	2590	2220	1770	1890	2030	3230	8000	9500	7040	9290	7100
5	2780	2510	2220	2030	1890	2000	3370	8070	11000	6700	9260	8100
6	2670	2460	2200	2190	1900	2010	3590	7740	11800	8980	9120	7930
7	2620	2500	2190	2120	1900	2000	3370	7010	10900	10400	8940	7740
8	2600	2520	2160	2060	1970	1970	3200	6820	10500	11200	8740	7480
9	2670	2520	2150	1980	2010	1970	3160	7320	10100	11300	9290	6880
10	2670	2510	2100	2070	2020	1960	3210	7670	10300	11300	9290	6080
11	2590	2450	2010	2050	2010	1910	3270	8300	9850	11000	8840	5970
12	2540	2360	2000	1980	2030	1850	3230	9400	9120	11200	9150	5920
13	2510	2240	1960	1920	1960	1840	3390	11000	9220	10800	6850	5890
14	2480	2230	1960	2050	1910	1840	3450	12100	10700	10400	5690	5260
15	2450	2360	1910	2290	1880	1830	3410	11600	12100	10400	5180	5080
16	2450	2220	1960	2220	1890	1840	3530	10100	12100	10200	5100	5180
17	2440	2240	2100	2020	1880	2000	3590	9600	11900	10000	5080	5080
18	2420	2270	2230	1960	1850	2150	3370	10200	12100	10500	5610	5050
19	2410	2310	2160	1970	1900	2280	3180	11700	12000	10600	5640	4900
20	2390	2270	2050	1970	1920	2390	3060	10300	11200	10800	5500	4820
21	2360	2250	2000	1960	1910	2420	3050	9640	10600	10400	5550	5360
22	2350	2280	1970	1940	1910	2460	3080	9930	11200	9850	6000	5210
23	2350	2230	2010	1960	1970	2560	3290	11400	12100	9120	7930	5180
24	2340	2230	2050	1950	2000	2520	3650	13100	11700	9260	7930	4780
25	2340	2200	2050	1940	2010	2480	4050	12600	11000	9290	7870	4180
26	2340	2240	2030	1960	1960	2510	4380	12900	9890	9680	7770	3670
27	2410	2160	2030	1910	1890	2600	4630	13500	9930	9500	7480	3530
28	2710	2200	2020	1840	1890	2740	5020	14000	10300	8840	7040	3550
29	2600	2270	1950	1860		2900	5610	12300	11400	8500	6370	3450
30	2570	2320	1970	1850		2990	6110	11000	10500	7100	6260	3390
31	2520		2020	1850		3010		10300		7160	6700	

MEAN	2550	2354	2076	1975	1920	2231	3638	9950	10,700	9687	7401	5544
ACRE- FEET	156,800	140,100	127,700	121,500	106,600	137,200	216,500	611,800	636,500	595,600	455,100	329,900

U. S. GOVERNMENT PRINTING OFFICE 8-7198

YEAR 1920
MEAN 5,021
ACRE-FEET 3,635,300

Daily discharge, in second-feet, of SNAKE RIVER near SHOSLIEY, IDAHO

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2710	2860	2390	2200	1600	2360	4020	6500	8070	5150	2080	2680
2	2910	2760	2360	2050	1530	2530	4040	6930	7500	4190	2150	2560
3	2940	2710	2290	1620	1530	2820	3970	7360	6500	4220	3350	2360
4	2910	2700	2330	1300	1600	3020	3970	7900	5060	4390	3440	2400
5	2910	2700	2240	1140	1670	2870	4000	8520	5030	2700	3230	2780
6	2850	2640	2240	1410	1740	2710	4020	8560	6270	2230	3250	3590
7	2730	2530	2200	2200	1800	2560	4220	7970	7390	3500	3190	3570
8	2640	2610	2150	2300	1840	2480	3920	7030	7870	4090	2980	3570
9	2560	2700	2160	2400	2010	2500	3620	6670	8350	4260	3070	3440
10	2530	2820	2100	2350	1940	2400	3500	7030	8140	4060	4420	3170
11	2550	2870	2050	2200	2290	2400	3550	7000	8240	3970	4950	2630
12	2510	2850	1820	2100	2500	2270	3570	6960	7000	3940	5480	2360
13	2440	2730	1530	1950	2510	2190	3550	6900	5300	3990	6050	2170
14	2420	2680	1450	1780	2300	2100	3620	7430	4320	3750	4450	2030
15	2360	2850	1410	1700	2160	2130	3680	7970	4950	3440	3940	1890
16	2270	2850	1400	1790	2170	2080	3660	7460	5990	3250	3530	1730
17	2240	2640	1420	2040	2110	2100	3800	5670	5760	3060	3190	1840
18	2230	2590	1520	2180	2120	2200	3920	4260	5450	3070	2920	1850
19	2230	2400	1580	2150	2130	2500	3620	4690	5390	3440	2890	1760
20	2160	2510	2170	2180	2190	2940	3330	5700	5390	3800	2870	1810
21	2130	2340	2450	2180	2300	3170	3190	4320	4890	4260	2440	1900
22	2100	2340	2630	2180	2330	3210	3110	3070	4370	4260	2270	2230
23	2130	2510	2230	2190	2450	3110	3090	2750	4800	3970	2480	2400
24	2100	2300	2200	2260	2440	3170	3190	4020	5210	3530	3550	2640
25	2030	2200	2220	2230	2500	3170	3500	5610	4890	3500	3710	2750
26	2020	2230	2610	2260	2580	3070	3780	6540	4260	3640	3850	2640
27	2010	2300	2320	2270	2510	3150	4190	8210	3620	4260	3800	2470
28	2340	2230	2780	2100	2390	3230	4630	10400	3680	4220	3710	2300
29	2790	2260	2940	1980		3480	5180	11500	4450	3620	3270	2380
30	2790	2340	2240	1860		3590	5950	10200	5700	2920	2750	2270
31	2920		2320	1750		3850		8760		2300	2610	

MEAN	2466	2568	2121	2010	2116	2754	3846	6900	5795	3709	3415	2472
ACRE- FEET	151,700	152,800	130,400	123,600	117,500	169,300	228,900	424,200	344,800	228,100	210,000	147,100

YEAR 1954
 OR
 PERIOD MEAN 3354
 ACRE-FEET 2,428,400

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	236	176	200			180	233	165	245	13	1	1
2	233	137					202	156	242	11	1	0
3	239	142					195	151	190	10	2	0
4	237	111					240	155	115	6	17	0
5	224	48					261	168	64	1	6	0
6	201	52	280	178	51	1	5	1				
7	228	74	303	174	57	1	5	1				
8	228	77	267	144	98	1	8	4				
9	226	122	215	62	98	4	5	12				
10	200	168	189	27	167	2	6	14				
11	176	156	189	21	219	1	5	13				
12	173	161	213	34	76	1	197	11				
13	170	219	210	24	24	1	152	8				
14	174	297	221	14	5	1	34	31				
15	168	282	210	9	0	1	58	37				
16	172	237	180	7	0	1	220	32				
17	165	180	191	4	1	1	160	37				
18	121	236	201	3	1	1	139	35				
19	70	228	174	19	9	1	124	35				
20	86	251	144	34	12	1	41	41				
21	87	312	117	14	17	1	6	43				
22	90	287	96	3	15	1	4	91				
23	96	282	66	0	13	3	4	91				
24	124	250	192	39	4	11	2	126				
25	126	250	193	41	0	25	2	132				
26	135	250	194	54	13	19	2	151				
27	182	250	195	60	14	7	2	168				
28	189	250	196	90	22	3	2	150				
29	216	250	197	151	42	2	2	147				
30	239	250	210	168	115	2	2	103				
31	207		221		202	1	1					

MEAN	175	200	166	150	150	189	173	63.7	58.5	4.35	39.2	50.5
ACRE- FEET	10,750	11,870	10,210	9,220	8,330	11,600	10,310	3,920	3,480	268	2,410	3,000

YEAR
or
PERIOD MEAN 118
ACRE-Feet 85,368

Daily discharge, in second-feet, of

SNAKE RIVER AT CLOUGH RANCH NEAR BLACKFOOT, IDA.

For the year ending September 30, 1920

Table No. 20

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2090	2580	2540	2220	1670	2370	3660	4900	6480	1990	556	425
2	2360	2540	2550	2220	1480	2600	3730	5310	6020	1300	425	298
3	2580	2440	2520	1720	1380	2790	3760	5650	5050	731	745	198
4	2500	2430	2520	1310	1380	2950	3740	6320	3390	1520	1070	185
5	2520	2370	2520	1250	1500	2840	3830	6860	2240	1260	787	180
6	2480	2340	2440	1210	1580	2700	3810	7100	2490	378	934	486
7	2430	2320	2420	1440	1650	2460	3980	6620	3640	178	984	1150
8	2340	2260	2390	2110	1770	2330	3870	5720	4880	208	910	1220
9	2260	2370	2390	2160	1940	2300	3520	4780	5330	445	801	1320
10	2150	2540	2270	2160	2020	2250	3320	4700	5420	474	1200	1220
11	2120	2640	2180	2050	2090	2220	3280	4440	5630	568	2330	780
12	2080	2800	1670	1920	2480	2150	3340	4140	4600	582	3680	510
13	1950	2730	1330	1690	2430	2060	3250	3640	2610	516	4400	450
14	1930	2760	1330	1590	2500	1950	3340	3490	1290	405	3450	355
15	1850	2680	1250	1730	2220	1940	3400	3940	880	278	2680	310
16	1790	2840	1230	1790	2290	1940	3400	3960	1700	198	2540	568
17	1750	2720	1390	1840	2130	1920	3490	2960	2160	220	2100	492
18	1650	2680	1540	2040	2160	1900	3610	1450	1890	168	1680	530
19	1530	2640	1710	1940	2160	2150	3520	1120	1830	162	1340	589
20	1520	2600	1900	1980	2220	2450	3190	1940	1880	270	1050	456
21	1460	2560	2400	2150	2330	2870	2980	1660	1780	843	668	410
22	1440	2430	2420	2160	2500	2910	2850	640	1380	1220	282	516
23	1480	2360	2500	2190	2640	2840	2720	220	1100	1140	202	689
24	1500	2330	2550	2190	2740	2870	2670	170	1530	1090	306	925
25	1460	2290	2540	2250	2720	2900	2520	1010	1490	1070	801	1290
26	1560	2320	2520	2290	2780	2840	2840	2330	1110	1160	925	1430
27	1570	2460	2680	2290	2620	2820	3110	4200	594	1430	976	1360
28	1570	2440	2500	2320	2480	2870	3440	5970	328	1530	950	1270
29	1930	2460	2440	2150		3060	3800	7960	410	1100	801	1210
30	2400	2500	2580	1990		3200	4310	8160	1710	647	661	1170
31	2430		2370	1860		3480		7200		314	486	

MEAN	1,958	2,514	2,180	1,942	2,138	2,546	3,409	4,147	2,695	755	1,314	733
ACRE- FEET	120,400	149,600	134,100	119,400	118,700	156,600	202,900	255,000	160,300	46,400	80,770	43,620

Daily discharge, in second-feet, of

AMERICAN FALLS RESERVOIR at AMERICAN FALLS, IDAHO

for the year ending September 30, 1950

Plate No. 31

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	271,950	483,320	715,130	945,560	1,114,210	1,318,770	1,557,570	1,686,550	1,503,880	1,285,930	811,020	426,250
2	280,630	491,890	723,890	952,650	1,113,310	1,327,190	1,566,710	1,683,750	1,500,220	1,274,730	799,940	412,410
3	285,970	502,000	731,610	959,330	1,119,250	1,335,110	1,573,230	1,681,500	1,496,030	1,261,580	783,720	397,540
4	296,970	510,540	740,740	963,920	1,123,860	1,345,010	1,582,470	1,678,140	1,491,840	1,249,040	769,660	386,110
5	306,620	519,370	748,110	968,920	1,128,010	1,354,410	1,586,270	1,678,140	1,484,510	1,237,050	755,240	377,850
6	314,660	525,940	755,600	974,350	1,129,850	1,362,980	1,596,050	1,678,140	1,475,610	1,225,060	740,390	368,310
7	324,070	530,630	765,330	979,770	1,132,160	1,372,060	1,605,830	1,681,500	1,467,230	1,208,280	725,640	360,460
8	332,850	536,500	772,190	985,250	1,133,080	1,379,120	1,613,980	1,679,260	1,466,710	1,190,860	710,690	352,640
9	340,210	540,310	776,320	992,110	1,139,530	1,387,190	1,622,220	1,679,260	1,467,230	1,172,490	697,360	344,580
10	349,220	545,300	785,890	998,980	1,147,370	1,394,250	1,626,090	1,675,900	1,470,900	1,157,970	683,360	338,780
11	356,790	553,810	796,610	1,005,420	1,156,590	1,403,320	1,634,940	1,670,870	1,472,990	1,140,450	672,350	333,090
12	364,120	561,960	806,610	1,011,430	1,166,370	1,409,970	1,641,570	1,665,340	1,474,040	1,123,860	661,730	329,530
13	369,340	569,830	806,610	1,017,870	1,177,670	1,416,140	1,649,310	1,655,940	1,471,420	1,106,540	655,750	325,260
14	376,850	577,100	811,060	1,023,370	1,187,090	1,419,740	1,658,160	1,647,100	1,464,610	1,091,210	651,110	321,700
15	383,350	584,060	814,760	1,029,970	1,196,040	1,423,340	1,661,470	1,641,020	1,456,250	1,074,530	644,260	318,380
16	390,110	591,220	818,470	1,037,010	1,204,510	1,427,960	1,668,660	1,634,940	1,447,500	1,057,700	637,820	317,560
17	396,510	598,720	823,660	1,044,060	1,212,590	1,432,590	1,678,700	1,623,330	1,438,760	1,040,100	629,760	315,580
18	402,920	606,540	829,750	1,050,220	1,220,260	1,434,650	1,688,790	1,613,440	1,432,590	1,022,160	620,100	315,120
19	408,820	615,290	836,230	1,056,820	1,227,450	1,441,330	1,693,270	1,605,830	1,423,340	1,004,990	609,040	313,510
20	414,210	624,610	842,700	1,062,990	1,235,610	1,448,020	1,699,440	1,590,070	1,414,600	988,680	596,220	313,740
21	419,420	632,660	850,710	1,070,470	1,243,280	1,456,250	1,701,120	1,579,750	1,407,400	971,430	581,340	312,360
22	424,670	642,010	859,850	1,078,140	1,251,910	1,462,520	1,700,560	1,569,970	1,397,270	955,150	566,500	309,380
23	429,670	652,100	867,240	1,086,700	1,261,580	1,470,370	1,699,440	1,558,100	1,387,190	940,180	550,290	306,850
24	434,920	660,400	875,870	1,094,320	1,271,810	1,482,420	1,697,200	1,545,860	1,373,570	924,010	535,030	305,700
25	439,390	668,370	884,890	1,103,840	1,281,550	1,490,270	1,695,520	1,530,950	1,365,500	910,660	519,650	306,850
26	445,510	677,330	894,300	1,111,950	1,291,290	1,500,220	1,694,400	1,522,960	1,353,920	895,870	508,260	307,080
27	449,550	685,070	901,760	1,120,170	1,301,030	1,510,180	1,693,830	1,516,040	1,340,550	882,140	493,000	308,230
28	453,860	692,920	913,090	1,123,400	1,309,860	1,519,240	1,693,830	1,513,380	1,324,220	868,420	479,720	311,900
29	460,860	701,120	920,770	1,121,550		1,528,290	1,693,830	1,512,310	1,309,370	857,190	465,440	315,350
30	466,520	706,930	929,260	1,119,250		1,538,400	1,690,470	1,510,720	1,296,160	845,370	451,970	319,800
31	473,080		936,140	1,116,020		1,548,520		1,507,550		829,750	440,180	

Mean												
Acres												
Feet												

Daily discharge, in second-feet, of

SNAKE RIVER at NEELY, IDAHO

for the year ending September 30, 1922

Plate No. 32

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1280	585	982	1120	6020	907	2300	9360	12000	10100	10700	9890
2	1240	632	1040	1160	2290	961	2260	9230	10700	10200	10800	9760
3	1240	640	1040	1220	1680	1150	2280	9850	9760	10200	10800	9500
4	380	748	1030	1320	1630	1100	3140	9850	9670	10200	10800	8530
5	1320	711	1040	1320	2200	1170	2740	9540	9450	10300	10800	7780
6	623	2240	1090	1330	2980	1150	2350	9320	9320	10600	11000	7320
7	877	2340	1100	1260	3660	1140	2650	9320	8220	10900	10900	7080
8	751	2050	1170	1240	3040	1170	2170	9720	7040	11100	10900	7160
9	777	2110	1190	1310	780	1150	2190	9670	6850	11200	10600	7160
10	860	1950	1170	1260	802	1150	2200	9720	6930	11300	10500	6920
11	1470	1920	1170	1270	844	1090	2210	9800	7080	11700	10300	6020
12	1420	1920	1160	1260	781	936	2520	10100	7450	11600	10200	5570
13	1600	1760	1440	1250	883	2160	2490	10600	7910	11100	9890	5240
14	1420	1830	1470	1280	865	2270	2480	10600	8130	11000	9320	3860
15	1280	1830	1440	1170	882	2290	2900	10500	8090	11100	9140	4630
16	1280	1220	1440	1130	849	2290	2910	10500	8090	11200	9140	4470
17	1360	1330	1360	994	867	2260	2780	10500	8260	11100	9140	3730
18	1290	1240	1140	1160	1030	2210	1730	10400	8620	11200	9500	3420
19	1290	1280	920	1100	1080	2270	2550	10300	8790	11500	10600	3890
20	1420	784	752	1080	1020	2240	2670	10200	8790	11500	11300	4400
21	1480	715	779	1110	1050	2220	5710	9890	8750	11500	11000	4000
22	1390	743	793	1090	1140	2270	6050	9540	8840	11300	10600	4860
23	1780	832	864	667	1180	930	5850	9410	9010	11200	10600	4510
24	1790	782	794	654	1200	673	6770	9360	9140	11400	10600	4150
25	1800	739	794	705	1020	637	6330	9360	9230	11300	10600	3420
26	1820	979	996	701	850	671	5910	9360	9800	11200	10600	3500
27	1880	994	1010	1740	907	676	5740	9670	10300	11000	10500	3290
28	1930	988	1140	4900	907	673	6330	10100	10400	10500	10700	1990
29	1630	939	1210	6020		677	7700	10500	10400	10300	10800	1780
30	1780	979	1160	6020		1190	9060	11700	10200	10300	10400	1610
31	1230		1170	6020		1220		12200		10500	9980	

MEAN	1345	1260	1092	1737	1516	1384	3832	10,010	8907	10,950	10,410	5315
ACRE- FEET	82,690	75,000	67,150	106,800	84,170	85,090	228,000	615,200	530,000	673,600	640,100	316,200

U. S. GOVERNMENT PRINTING OFFICE 9-7149

YEAR on 1922
MEAN 1,840
ACRE-Feet 3,504,000

contents acre
Daily discharge, in second-feet, of

LAKE WALGOTT near MINIDOKA, IDAHO

for the year ending September 30, 1942
Plate No. 33

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	- 720	570	-2890	-3440	39860	56980	91460	96870	90760	78130	77000	77680
2	-1440	190	-2620	-3440	48100	56760	93790	96870	94950	78580	77450	77000
3	-2160	0	-2350	-3440	47140	56870	94490	96390	94720	78350	78020	76210
4	-1620	- 720	-2260	-3440	47670	57410	96390	95180	95430	78020	77450	76550
5	-2440	- 260	-2160	-3070	48310	57410	94140	96390	94950	77900	77450	75650
6	- 900	- 540	-2260	-2620	51280	57840	95670	95180	95430	78020	78920	72940
7	-1080	- 360	-1800	-2160	53750	58270	96510	96390	95070	78020	79260	71610
8	- 810	- 260	-1620	-1720	60200	58480	96390	96030	94720	78020	79370	69630
9	-1440	- 720	-1350	-1440	60100	59130	96030	96630	93790	77560	79710	67870
10	-1350	-1440	-1260	-1170	59560	59450	95550	96390	94250	77680	79480	66770
11	-1170	-1440	- 810	- 720	59990	60420	95180	96150	94720	77900	79030	63810
12	0	570	- 540	- 540	60310	60740	95070	95550	94950	78350	78690	60200
13	- 630	1330	- 810	100	60850	61060	96150	94140	93550	78470	79260	56120
14	380	2000	- 360	190	60100	63700	96270	94020	94020	78470	79030	51820
15	570	2000	- 80	570	59560	66990	95180	94250	92860	78020	78800	46090
16	480	2290	0	670	58480	70070	95310	94250	91810	77790	78130	43660
17	570	1810	380	670	58050	73280	97350	94140	89830	77450	77680	40170
18	570	950	380	570	57190	75760	97230	91920	88660	76660	76770	36430
19	570	760	290	860	56980	78800	96390	91920	87270	77560	76550	32290
20	670	950	- 360	670	56870	81510	95910	91690	86330	77680	78350	29800
21	570	- 360	- 900	570	56760	85050	97350	91230	85870	77450	79260	27560
22	570	- 810	-1620	760	56660	87960	98200	90410	85400	77680	78920	24920
23	380	-1170	-2350	570	56760	90410	97720	88660	84470	77680	77340	24720
24	290	-1720	-2710	- 260	56760	91230	96990	86800	81960	77450	77000	25530
25	- 810	-2710	-3260	-1170	56980	91230	98080	85520	81400	77680	76550	25120
26	- 80	-3160	-3800	-1800	57410	91690	97840	83310	80160	78020	77110	23700
27	- 720	-3260	-3800	-2350	57300	91810	95910	81740	79030	78350	76100	23090
28	- 540	-3160	-4060	1530	57190	91230	95430	81280	77900	78020	76770	23090
29	0	-3070	-3620	11020		90290	96030	81620	77680	77230	77000	20860
30	- 180	-2890	-3440	20960		90410	97350	81850	77900	77230	77450	18850
31	380		-3880	30630		90990		86570		76660	78020	

MEAN												
ACRE-												
FEET												

U. S. GOVERNMENT PRINTING OFFICE 16-7144

YEAR OR PERIOD _____ MEAN _____
ACRE-FOOT _____

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	323	292					0	1120	1220	1480	1340	1230
2	323	0					0	1220	1280	1510	1290	1230
3	322	0					0	1300	1290	1530	1210	1160
4	326	0					0	1340	1290	1530	1250	1050
5	325	0					0	1340	1290	1530	1280	939
6	331	0					0	1390	1290	1560	1320	917
7	330	0					0	1440	1130	1580	1340	932
8	330	0					0	1440	987	1580	1400	932
9	326	0					0	1440	917	1580	1440	930
10	326	0					0	1430	828	1610	1440	926
11	330	0					0	1440	830	1610	1340	879
12	339	0					0	1500	937	1610	1230	835
13	338	0					0	1560	1110	1610	1200	774
14	341	0					0	1570	1160	1610	1140	730
15	341	0					88	1580	1150	1600	1080	730
16	341	0					142	1580	1180	1600	1040	726
17	341	0					143	1570	1250	1600	1040	720
18	341	0					144	1560	1340	1600	1100	716
19	342	0					205	1560	1320	1600	1220	764
20	368	0					241	1560	1250	1600	1400	797
21	385	0					304	1560	1200	1600	1440	776
22	395	0					417	1550	1200	1600	1440	768
23	425	0					462	1550	1280	1610	1410	694
24	427	0					568	1560	1420	1600	1370	580
25	427	0					670	1550	1450	1540	1360	578
26	434	0					670	1540	1470	1490	1360	536
27	425	0					666	1550	1550	1440	1320	432
28	427	0					728	1530	1560	1390	1320	434
29	429	0					862	1480	1480	1340	1320	421
30	425	0					1150	1430	1480	1310	1290	423
31	427	0						1300		1340	1230	

Mar. incl.
Dec. to
Dry

MEAN	365	9.7	0	0	0	0	249	1,469	1,238	1,542	1,289	785
ACRE- FEET	22,430	579	0	0	0	0	14,800	90,330	73,660	94,790	79,260	46,730

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	171	164					0	295	860	995	1110	1270
2	181	163					0	388	904	1020	1100	1240
3	175	161					0	487	837	1100	1090	1190
4	174	160					0	555	875	1130	1090	1130
5	167	161					0	600	863	1130	1090	1100
6	180	163					0	600	872	1130	1160	1060
7	178	167					0	652	697	1190	1160	1030
8	178	168					0	741	412	1290	1200	1030
9	175	60					0	826	397	1290	1220	989
10	177	0				Mar. Incl.	0	872	412	1290	1160	937
11	157	0					0	928	412	1290	1050	931
12	158	0					0	1070	467	1290	952	967
13	163	0					0	1250	625	1290	815	895
14	193	0					0	1280	728	1290	779	681
15	212	0					0	1280	755	1290	790	671
16	237	0					0	1290	804	1290	837	648
17	253	0					0	1290	886	1290	860	610
18	255	0					0	1270	998	1290	958	620
19	257	0					0	1240	1040	1280	1110	663
20	257	0					0	1220	1040	1240	1210	618
21	257	0					0	1220	989	1250	1290	586
22	258	0					117	1250	992	1240	1290	526
23	257	0					269	1260	1050	1240	1290	376
24	257	0					317	1250	1130	1260	1290	275
25	257	0					319	1240	1170	1270	1290	301
26	266	0					530	1220	1150	1270	1300	261
27	253	0					324	1180	1200	1180	1280	245
28	255	0					304	1150	1200	1130	1280	241
29	260	0					293	1110	1010	1110	1290	220
30	193	0					295	1010	1010	1110	1280	253
31	165							961		1110	1280	

Dry Dec. to

Mar. Incl.

MEAN	212	45.6	0	0	0	0	92.3	1,000	860	1,212	1,126	719
ACRE- FEET	13,040	2,710	0	0	0	0	5490	61,460	51,140	74,530	69,230	42,770

YEAR on Page 10 MEAN 441 ACRE-FEET 320,370

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1390	842	1200	1360	1370	1130	1120	7610	7340	7550	7980	7500
2	1300	842	1200	1360	1360	1130	1550	7690	7230	7550	8010	7440
3	1220	834	1210	1390	1360	1130	1730	7850	7120	7660	8090	7550
4	677	874	1220	1430	1370	1110	2380	7800	7040	7610	7980	7440
5	574	914	1250	1360	1380	1110	2790	7520	6960	7740	7980	7040
6	556	1410	1270	1350	1400	1110	2570	7280	6740	7690	7980	6800
7	545	2140	1270	1350	1400	1070	2570	7070	6420	7880	8010	6660
8	556	2060	1260	1360	1410	1040	2520	7200	5880	8120	8010	6550
9	562	1990	1270	1360	1410	1040	2500	7360	5760	8310	7980	6400
10	556	2030	1260	1370	1380	1040	2460	7390	5610	8310	7980	6270
11	562	2030	1260	1360	1370	1000	2310	7520	5610	8310	8010	6290
12	1080	1980	1270	1350	1400	962	2260	7470	5910	8310	8040	6140
13	1140	1870	1360	1340	1380	954	2330	7520	6240	8310	7900	5940
14	1120	1870	1560	1350	1370	740	2340	7610	6500	8310	7610	5660
15	1030	1920	1600	1370	1370	634	2390	7580	6550	8390	7360	5540
16	938	1600	1630	1340	1360	677	2630	7550	6580	8390	7340	5220
17	938	1540	1610	1300	1350	698	2680	7610	6660	8360	7360	4640
18	938	1680	1560	1310	1350	726	2360	7630	6850	8360	7420	4030
19	946	1690	1510	1310	1350	740	2060	7660	7090	8360	7500	4160
20	978	1540	1430	1310	1350	761	3120	7610	6980	8360	7770	4420
21	1050	1340	1380	1320	1350	782	3930	7470	6800	8360	8120	4490
22	1130	1300	1380	1320	1340	810	5270	7360	6740	8280	8090	4470
23	1220	1290	1370	1320	1340	712	5340	7230	6770	8250	8150	4010
24	1300	1290	1370	1320	1320	652	5420	7170	7040	8280	8170	3470
25	1440	1290	1380	1320	1210	652	5440	7230	7390	8340	8010	3280
26	1480	1270	1360	1320	1170	616	5060	7230	7520	8250	7820	3010
27	1500	1240	1380	1320	1150	810	5060	7280	7800	8170	7880	3060
28	1510	1200	1370	1330	1130	954	5180	7310	7930	8150	7880	2900
29	1510	1200	1360	1340		930	5680	7280	7980	8040	7930	2200
30	1390	1200	1360	1350		930	6820	7360	7820	7880	7930	1820
31	1030		1380	1370		1000		7360		7930	7630	

MEAN	1038	1176	1364	1344	1339	892	3329	7445	6829	8123	7868	5147
ACRE-Feet	63,800	87,820	83,880	82,630	74,380	54,840	198,100	457,800	406,300	499,500	483,800	306,200

5000 height in feet
Daily discharge in second-feet of

MILNER LAKE at MILNER, IDAHO

for the year ending September 30, 19

Plate No. 37

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10.64	8.82	7.82	7.65	7.52	7.94	7.38	10.60	10.82	10.94	10.82	10.86
2	10.37	8.88	7.73	7.58	7.56	7.90	8.06	10.84	10.97	10.90	10.84	10.86
3	10.20	9.00	7.71	7.47	7.64	7.96	8.18	10.88	11.02	10.80	10.91	10.70
4	10.20	8.91	7.64	7.30	7.62	8.00	8.62	10.94	11.05	10.74	10.98	10.88
5	10.14	9.04	7.54	7.34	7.59	7.86	8.66	11.13	11.02	10.84	10.90	11.02
6	10.12	9.07	7.44	7.40	7.58	7.90	9.46	10.88	11.06	10.88	10.92	10.89
7	10.02	8.89	7.54	7.44	7.56	7.96	10.08	10.83	10.98	10.88	10.93	10.86
8	10.00	8.86	7.52	7.48	7.64	7.80	10.40	10.63	11.02	10.82	10.86	10.72
9	9.84	8.64	7.35	7.48	7.63	7.79	10.64	10.65	10.70	10.86	10.82	10.64
10	9.88	8.42	7.37	7.48	7.72	7.74	10.68	10.68	10.82	10.94	10.91	10.72
11	9.90	8.22	7.46	7.45	7.82	7.86	10.89	10.76	10.71	10.98	11.02	10.58
12	9.83	8.32	7.37	7.43	7.42	7.82	10.82	10.78	10.52	11.02	10.95	10.78
13	9.50	8.30	7.22	7.44	7.92	7.60	10.90	10.56	10.38	10.96	11.02	10.80
14	9.52	8.22	7.26	7.45	7.91	7.50	10.94	10.58	10.55	11.00	11.03	10.80
15	9.38	8.12	7.36	7.47	8.02	7.32	10.70	10.68	10.62	10.92	11.00	10.71
16	9.18	7.98	7.38	7.57	7.92	7.26	10.48	10.74	10.79	10.90	10.92	10.81
17	8.90	7.83	7.54	7.57	8.00	7.21	11.06	10.68	10.76	10.89	10.86	10.68
18	8.66	7.54	7.76	7.56	7.92	7.06	11.08	10.49	10.84	10.86	10.80	10.58
19	8.44	7.60	7.92	7.57	7.92	7.14	10.80	10.68	11.01	10.91	10.70	10.44
20	8.24	7.66	8.08	7.54	7.96	7.04	10.66	10.80	11.06	10.90	10.73	10.36
21	7.98	7.58	8.10	7.56	7.92	7.14	10.72	10.80	10.60	10.99	10.83	10.57
22	7.82	7.73	8.04	7.54	7.88	7.10	10.98	10.86	11.00	11.00	10.90	10.78
23	7.69	7.80	7.98	7.57	7.87	6.92	10.97	10.89	10.80	10.96	10.90	11.10
24	7.63	7.74	7.93	7.54	7.86	7.22	10.86	10.81	10.36	10.92	10.92	11.10
25	7.63	7.84	7.79	7.52	7.76	7.42	11.06	10.72	10.53	10.96	11.00	11.20
26	7.76	7.91	7.82	7.48	7.94	7.56	11.12	10.64	10.54	10.96	11.02	11.10
27	7.74	7.92	7.68	7.64	7.98	7.74	10.84	10.60	10.36	11.05	10.85	10.98
28	7.96	7.90	7.78	7.62	8.02	7.78	10.69	10.68	10.56	11.04	10.82	11.04
29	8.21	7.86	7.84	7.54		7.69	10.50	10.62	10.72	11.02	10.72	10.72
30	8.46	7.81	7.78	7.54		7.76	10.34	10.51	10.89	11.00	10.77	10.58
31	8.61		7.60	7.56		7.90		10.70		10.82	10.85	

Mean												
Acres												
Feet												

U. S. GOVERNMENT PRINTING OFFICE 9-7162

YEAR OR PERIOD _____ MEAN _____
ACRE-FEET _____

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0					0	56	62	62	63	63
2		0					0	56	62	62	63	63
3		0					0	56	62	62	63	63
4		0					0	56	62	62	63	63
5		0					0	56	62	62	63	63
6		0					0	56	62	62	63	63
7		0					0	56	62	62	63	63
8		0					0	58	62	63	63	63
9		0					0	60	62	63	63	63
10		0					0	61	62	63	63	60
11		0					0	62	62	63	63	63
12		0					0	62	62	63	63	63
13		0					0	62	62	63	63	63
14	Dry	0					0	62	62	63	63	63
15		0					0	62	62	63	63	63
16		0					0	62	62	63	63	62
17		0					0	62	62	63	63	60
18		11					0	62	62	63	63	60
19		14					0	62	62	63	63	59
20		0					0	62	62	63	63	58
21		0					0	62	62	63	63	55
22		0					0	62	62	63	63	55
23		0					0	62	62	63	63	55
24		0					0	62	62	63	63	55
25		0					10	62	62	62	63	14
26		0					24	62	62	62	63	0
27		0					29	62	62	62	63	0
28		0					40	62	62	59	63	0
29		0					46	62	62	63	63	0
30		0					52	62	62	63	63	0
31								62	62	63	63	

to Mar., incl.

Dec.

Dry

Dry

MEAN	0	0.8	0	0	0	0	0	6.70	60.4	62.0	62.5	63.0	49.2
ACRD- FEET	0	50	0	0	0	0	0	399	3720	3690	3850	3870	2930

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							0	137	170	164	164	164
2							0	138	171	165	164	164
3							0	138	161	163	164	164
4							0	138	152	166	164	164
5							0	154	153	168	164	149
6							0	163	150	168	163	143
7							0	161	78	166	163	146
8							0	162	0	161	163	146
9							0	162	0	165	162	146
10							0	163	0	166	162	146
11							0	161	104	166	162	121
12							0	161	112	166	162	146
13							0	162	131	166	162	147
14							0	162	138	167	162	152
15							0	163	128	163	161	0
16							0	166	138	163	161	0
17							0	140	149	163	161	0
18							0	165	149	163	162	0
19							0	164	149	163	161	105
20							0	164	149	163	162	117
21							0	164	140	163	163	118
22							8	169	116	163	163	118
23							24	171	125	163	163	117
24							50	171	145	163	164	7
25							66	169	146	163	164	0
26							81	166	146	164	162	0
27							79	166	146	166	162	0
28							94	168	146	165	164	94
29							109	170	146	166	164	100
30							124	169	145	166	163	81
31								170		164	163	

Canal Dry Oct. to
Mar. Incl.

MEAN	0	0	0	0	0	0	21.2	161	136	165	163	98.5
ACRE- FEET	0	0	0	0	0	0	1260	9870	7500	10,120	10,000	5860

YEAR or PERIOD MEAN 61.6
ACRE-FEET 11,610



Daily discharge, in second-feet, of

GOODING PROJECT IN GOODING CANAL NEAR MILNER, IDAHO

For the year ending September 30, 1913
Plate No. 40

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0										
2		0					0	1140	1210	1480	1530	1410
3		0					0	1140	1210	1470	1520	1410
4		0					0	1140	1210	1470	1520	1410
5		0					0	1140	1210	1470	1510	1410
6		0					0	1140	1210	1470	1490	1410
7		0					0	1140	1210	1470	1450	1410
8		0					0	1140	1200	1500	1400	1410
9		0					0	1140	1210	1520	1390	1400
10		0					0	1150	1170	1520	1380	1240
11		0					0	1150	1130	1560	1380	1090
12		0					0	1150	1130	1580	1380	1090
13		0					0	1140	1130	1590	1380	1100
14		0					0	1120	1130	1590	1380	1100
15		250					0	1120	1130	1590	1400	1050
16		510					0	1120	1140	1590	1450	1020
17		530					0	1120	1200	1590	1450	1030
18		530					0	1150	1240	1590	1440	990
19		530					0	1160	1240	1590	1440	960
20		360					0	1170	1240	1590	1440	960
21		0					370	1170	1240	1590	1450	960
22		0					710	1170	1260	1590	1450	960
23		0					810	1170	1300	1590	1450	960
24		0					970	1180	1370	1580	1450	960
25		0					1080	1180	1370	1580	1450	960
26		0					1090	1180	1440	1590	1450	940
27		0					1160	1190	1470	1590	1450	910
28		0					1200	1200	1470	1590	1430	900
29		0					1160	1210	1480	1580	1410	900
30		0					1120	1210	1480	1570	1410	230
31		0					1120	1210	1480	1550	1410	
								1210		1540	1410	

MEAN	0	90.3	0	0	0	0	0	360	1160	1264	1554	1437	1053
ACRE- FEET	0	5380	0	0	0	0	0	21,400	71,300	75,190	95,540	88,360	62,640

YEAR
on
ended MEAN 580
ACRE- FEET 419,810

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0					0	1125	1187	1464	1509	1394
2		0					0	1125	1189	1456	1507	1394
3		25					0	1123	1184	1454	1507	1387
4		75					0	1127	1187	1454	1492	1394
5		28					0	1129	1184	1456	1468	1399
6		0					0	1125	1184	1456	1428	1389
7		0					0	1123	1182	1478	1377	1387
8		0					0	1125	1187	1502	1370	1384
9		0					0	1129	1154	1502	1364	1220
10		0					0	1129	1116	1542	1364	1070
11		0					0	1129	1114	1565	1361	1074
12		0					0	1123	1112	1568	1357	1088
13		0					0	1105	1112	1568	1357	1088
14		0					0	1105	1118	1572	1384	1035
15		242					0	1107	1121	1570	1428	1004
16		498					0	1107	1184	1568	1428	1013
17		510					0	1129	1215	1568	1428	975
18		509					0	1143	1215	1568	1425	941
19		515					0	1154	1217	1572	1425	939
20		345					362	1158	1224	1572	1430	939
21		0					699	1158	1242	1572	1430	945
22		0					791	1158	1281	1568	1432	945
23		0					958	1160	1350	1565	1432	945
24		0					1057	1156	1348	1565	1430	943
25		0					1070	1162	1418	1568	1430	922
26		0					1146	1169	1456	1568	1430	897
27		0					1180	1173	1454	1568	1416	882
28		0					1140	1184	1456	1562	1392	880
29		0					1101	1184	1461	1555	1389	219
30		0					1101	1184	1464	1536	1392	0
31		0						1184		1524	1394	

For N.S. Project

MEAN												
ACRE-												
FEET												

Daily discharge, in second-feet, of NORTH SIDE CANAL PROJECT IN GOODING CANAL near MILNER, IDAHO

for the year ending September 30, 1942
File No. 42

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	850	570						340	710	710	790	760
2	840	630						650	710	710	790	760
3	830	670						730	710	710	790	760
4	650	710						730	710	710	790	750
5	0	680						740	700	710	790	750
6	0	270						730	700	710	790	750
7	0	0						730	700	710	790	750
8	0	0						730	700	710	790	740
9	0	0						740	700	710	780	750
10	0	0						740	700	760	780	750
11	30	0						740	700	790	790	750
12	130	0						740	690	790	780	750
13	90	0						720	700	790	770	750
14	90	0						720	700	790	770	750
15	100	0						720	700	790	770	750
16	100	0						710	710	790	760	750
17	100	0						710	710	780	760	740
18	100	0						700	710	780	760	740
19	450	0						700	710	780	750	740
20	650	0						710	710	780	750	740
21	610	0						710	710	780	760	740
22	630	0						710	710	780	760	740
23	620	0						710	710	780	760	740
24	650	0						710	700	790	760	740
25	650	0						710	710	790	760	740
26	670	0						710	700	790	760	740
27	670	0						710	700	790	760	740
28	670	0						710	710	790	760	740
29	650	0						700	710	790	760	740
30	610	0						700	710	790	760	770
31	580	0						700	790	760		

MEAN	388	118	0	0	0	0	0	703	705	763	771	747
ACRE- FEET	23,840	7,000	0	0	0	0	0	43,260	41,950	46,950	47,410	44,450

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	494	451	421	433	10	2260	2330	2190	2560	1730
2	0	0	494	451	424	433	0	2270	2330	2190	2570	1660
3	0	0	487	451	424	433	0	2380	2330	2240	2570	1640
4	0	0	490	445	421	436	174	2430	2330	2260	2570	1610
5	0	0	490	445	421	430	525	2470	2330	2300	2570	1580
6	0	349	497	430	421	439	595	2500	2320	2340	2590	1500
7	0	579	506	424	421	439	700	2260	2160	2430	2610	1530
8	0	575	503	424	424	436	785	2200	2050	2520	2630	1530
9	0	566	497	427	424	433	824	2250	1970	2530	2630	1500
10	0	569	500	427	430	433	850	2250	1970	2540	2640	1480
11	0	575	503	427	433	442	897	2250	1960	2550	2630	1470
12	459	582	506	412	421	448	926	2290	2050	2580	2610	1490
13	675	579	506	409	427	448	900	2290	2070	2580	2580	1500
14	627	575	506	400	427	445	919	2300	2100	2580	2470	1460
15	598	569	494	394	430	442	952	2300	2090	2580	2220	1400
16	588	559	497	397	430	448	960	2300	1940	2580	2190	1370
17	579	547	490	397	433	436	1070	2290	1890	2580	2160	1150
18	579	537	484	397	430	433	1240	2310	1890	2590	2120	433
19	217	543	469	397	433	436	1250	2310	1990	2620	2110	367
20	0	547	463	397	433	436	1300	2300	2120	2620	2110	352
21	0	543	463	397	436	439	1440	2180	2050	2620	2110	421
22	10	550	460	397	439	439	1630	2100	2100	2620	2110	569
23	0	531	457	397	439	436	1840	2100	2040	2630	2120	641
24	0	512	457	397	436	433	1840	2100	2120	2630	2130	418
25	0	494	454	409	442	412	1820	2100	2140	2630	2100	352
26	0	497	454	415	439	403	1860	2100	2180	2640	2070	358
27	0	500	445	421	436	400	1880	2100	2210	2640	2070	516
28	0	497	454	421	436	400	1940	2250	2250	2620	2060	608
29	0	497	457	421		406	2110	2330	2240	2610	2050	604
30	0	494	454	421		135	2270	2330	2210	2580	2050	438
31	0		451	421		0		2340		2560	1950	

MEAN	140	446	480	417	430	408	1,117	2,266	2,125	2,522	2,321	1,056
ACRE- FEET	8,590	26,510	29,520	25,620	23,860	25,110	66,460	139,300	126,500	155,100	142,700	62,830

Daily discharge, in second-feet, of SOUTH SIDE TWIN FALLS CANAL AT MILNER, IDAHO

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1070	35	625	586	577	532	886	3220	3070	3140	3440	3400
2	1030	35	625	592	577	532	1130	3280	3040	3150	3420	3340
3	996	35	631	592	577	532	1250	3160	3000	3170	3400	3220
4	937	35	628	592	577	529	1260	3130	2980	3170	3420	3200
5	886	35	628	595	577	532	1260	3090	2970	3180	3440	3160
6	858	233	613	595	577	535	1270	3060	2970	3200	3470	3040
7	752	612	607	595	583	506	1260	3120	2760	3220	3500	2990
8	681	825	610	589	586	501	1260	3140	2680	3250	3500	2920
9	688	822	598	589	577	501	1360	3130	2670	3360	3510	2840
10	613	822	592	586	568	467	1430	3120	2630	3410	3510	2690
11	580	822	592	577	568	460	1440	3140	2560	3400	3500	2570
12	577	822	592	580	571	460	1440	3150	2560	3410	3500	2530
13	583	822	598	577	559	454	1440	3150	2560	3420	3500	2430
14	595	819	598	580	559	454	1440	3150	2600	3430	3500	2390
15	613	691	595	580	547	457	1440	3160	2630	3460	3490	2320
16	619	619	595	574	541	457	1440	3170	2720	3470	3480	2220
17	622	622	595	568	538	454	1440	3150	2800	3470	3480	2120
18	619	622	595	568	541	457	1440	3160	2920	3480	3490	2090
19	616	622	598	571	541	457	1380	3150	3010	3490	3490	2090
20	619	625	598	571	541	454	1400	3160	3090	3490	3500	2030
21	622	634	595	565	544	452	1460	3150	3090	3530	3500	1990
22	628	628	598	568	544	452	1900	3150	3080	3560	3500	1870
23	649	628	592	571	541	379	2210	3160	3080	3590	3500	1780
24	649	628	589	571	544	152	2520	3150	3130	3570	3500	1670
25	649	625	592	571	544	152	2550	3160	3160	3560	3500	1590
26	649	625	595	571	532	158	2620	3180	3170	3500	3500	1510
27	659	625	595	571	532	247	2640	3180	3180	3470	3500	1400
28	649	625	595	571	532	481	2640	3180	3180	3460	3490	1360
29	637	625	592	574		622	2780	3180	3180	3440	3490	1360
30	625	628	595	574		771	2970	3130	3160	3430	3450	1270
31	483		595	574		822		3100		3430	3420	

MEAN	692	562	601	579	557	465	1699	3152	2921	3397	3480	2313
ACRE- FEET	42,550	33,410	36,980	35,580	30,930	28,600	101,100	193,800	173,800	208,900	214,000	137,630

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	252	460	325	540	554	284	12	7	5	6	8	305
2	252	464	339	540	554	284	6	8	6	6	8	314
3	252	460	368	544	549	284	3	9	6	6	8	350
4	255	492	368	544	549	284	4	10	7	6	8	356
5	284	544	368	544	549	278	4	35	6	6	8	356
6	446	685	368	544	549	273	8	12	7	6	8	353
7	443	1340	368	540	554	273	15	9	7	7	8	356
8	443	1220	368	544	554	276	17	8	6	7	8	356
9	440	1140	368	544	554	284	18	6	6	7	8	356
10	440	1140	368	549	554	284	17	5	6	7	8	356
11	457	1140	368	549	554	294	17	5	6	8	8	356
12	460	1120	368	544	540	300	16	5	6	8	8	353
13	457	1030	374	544	554	294	15	5	6	8	8	353
14	464	973	476	549	554	206	15	5	6	9	8	353
15	460	973	544	549	554	8	12	5	6	9	8	353
16	460	564	540	554	554	8	10	5	6	8	8	353
17	460	311	544	549	554	7	20	5	6	8	8	353
18	460	308	549	554	549	6	663	5	6	8	8	353
19	460	305	540	554	549	5	13	5	6	8	8	348
20	464	297	540	549	549	5	11	5	7	8	8	350
21	464	297	567	549	549	5	10	6	11	8	279	356
22	464	300	598	549	549	5	525	6	9	8	316	356
23	460	300	598	549	549	5	859	6	7	8	350	356
24	460	300	598	549	549	5	13	5	6	9	350	356
25	464	297	598	549	357	5	15	5	6	11	350	356
26	464	297	590	549	252	5	37	5	6	10	350	356
27	464	308	567	549	268	19	10	5	6	9	356	356
28	464	316	549	549	284	36	9	5	6	9	398	356
29	464	319	544	549		51	8	5	6	9	398	356
30	457	316	544	549		29	7	5	6	9	365	359
31	460		540	549		25		5		9	305	

MEAN	426	601	476	547	514	133	79.6	7.00	6.40	7.90	128	352
ACRE- FEET	26,170	35,730	29,210	33,650	28,540	8,190	1,740	430	381	486	7,890	20,920

Daily discharge, in acre-feet, of

MISSOURI RIVER GAGE LAKE, DRAIN

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1											43,014	
2										53,652	42,565	38,306
3									51,428		42,117	
4											41,669	
5											40,996	
6											40,660	38,194
7								49,321		53,828	40,323	
8											39,987	
9											39,315	
10									52,832		38,978	
11											38,754	
12								49,321	52,949	51,896	38,642	
13									53,242	51,194	38,530	38,418
14		38866							53,300	50,843	38,418	
15								49,438		50,492	38,081	
16									53,418	49,906	37,745	
17										49,438	37,745	
18										48,970	37,857	
19										48,741	38,081	
20										48,168	38,194	38,754
21									53,886	47,824	38,306	38,754
22										47,021	38,306	
23										46,448	38,418	
24										45,989		
25										45,875		38,530
26										45,645	38,418	
27									53,769	45,130	38,306	
28										44,499	38,530	
29										44,040		
30							49,087		53,886	43,811	38,418	
31										43,353		

MEAN												
ACRE-												
FEET												

Daily discharge, in second-feet, of HENRY'S FORK BEAR LAKE, IDAHO

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1												
2												
3										19	209	26
4										19	209	26
5										19	208	26
6										19	209	26
7										19	211	26
8	2									19	211	27
9										96	211	27
10								6	8	225	211	27
11										225	209	27
12										225	211	27
13										225	211	27
14										225	211	27
15		4	4	4	5	5	5			225	142	28
16										224	27	27
17										224	27	28
18										224	26	28
19										224	26	28
20										222	26	28
21										222	25	28
22										222	24	17
23	3									220	24	6
24										217	23	5
25										216	24	4
26								7		216	24	4
27										214	24	4
28										212	24	4
29										211	24	4
30									19	211	25	4
31										209	25	

MEAN	2.52	4.0	4.0	4.0	5.0	5.0	5.0	6.35	11.8	170	106	19.9
ACRE-FOOT	155	238	246	246	278	307	298	391	700	10,460	6,540	1,180

U. S. GOVERNMENT PRINTING OFFICE 6-2119

YEAR MEAN 29.1
ACRE-FOOT 21,039



Contents ^{acres}
Daily discharge, in ~~acres~~-feet, of

ISLAND PARK RESERVOIR near ISLAND PARK, IDAHO

for the year ending September 30, 1912

Plate No. 48

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	17050	17415	29590	50420	70640	88530	106895	132310	133190	122110	87720	57860
2	17040	17415	30285	51035	71275	89215	107525	132630	132870	121730	85990	57075
3	17040	17440	30975	51660	71910	89845	108235	132630	132470	120970	84295	56225
4	17245	17480	31750	52325	72555	90475	108945	132950	132550	120515	82495	55425
5	17300	17530	32470	52965	73150	91050	109655	133030	133110	119460	80955	54635
6	17310	17625	33155	53690	73750	91620	110585	133030	132870	118190	78975	53570
7	17300	17675	33765	54425	74355	92195	111160	132710	132550	117595	76920	52765
8	17285	17755	34480	55090	75020	92770	111810	132790	132950	115890	74965	51815
9	17270	17835	35130	55720	75630	93355	112530	133030	132870	114790	72990	50730
10	17245	17860	35795	56350	76245	93870	113255	133030	132630	113695	71010	49775
11	17220	17860	36450	56990	77030	94325	113985	133030	132470	112385	69230	48730
12	17180	17835	37055	57595	77770	94910	114715	133030	132150	111735	68410	47635
13	17205	17780	37645	58210	78515	95565	115375	133350	132230	110440	68310	46705
14	17205	17765	38270	58830	79095	96025	116040	133110	132070	109155	67745	45765
15	17220	17740	38910	59495	79730	96555	116925	133830	131990	108235	67090	44870
16	17235	18375	39535	60170	80370	97145	117890	133830	131910	106825	66345	44095
17	17260	19125	40190	60810	80955	97740	118935	133670	131830	105220	65945	43370
18	17260	19900	40830	61455	81545	98340	119610	133510	131515	103765	65550	42685
19	17245	20680	41515	62105	82140	98875	120290	133350	131435	102120	65505	42075
20	17235	21435	42110	62760	82735	99410	120895	133030	131355	100490	65995	41605
21	17235	22185	42780	63425	83330	100285	121425	133030	131435	98810	66045	41205
22	17235	22950	43435	64095	84050	100825	122030	132790	131195	97345	65995	40435
23	17235	23685	44130	64770	84720	101505	122790	132950	131035	95895	65995	40405
24	17235	24415	44905	65455	85325	102120	123705	133110	130720	94975	65355	40160
25	17220	25140	45590	66145	85990	102595	124360	133030	130170	94130	64430	39915
26	17220	25840	46320	66990	86605	103145	126095	133030	128595	93415	63900	39705
27	17220	26580	47025	67595	87225	103695	127575	133750	127110	92130	62950	39585
28	17310	27340	47745	68255	87845	104250	129065	133830	125710	91940	62105	39380
29	17350	28150	48435	68870		104735	130405	133590	124395	91050	60855	39290
30	17390	28890	49065	69440		105360	131515	133510	123475	90225	59405	39230
31	17415		49810	69960		106265		133190		88905	58740	

MEAN												
ACRE-												
FEET												

YEAR OR PERIOD _____ MEAN _____
ACRE-FOOT _____

Daily discharge, in second-feet, of HENRYS FORK near ISLAND PARK, IDAHO

for the year ending September 30, 19 12
Plate No. 49

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	452	416	3	6	7	9	10	434	639	770	1310	872
2	452	416	3	6	8	9	10	480	564	635	1410	861
3	452	416	3	6	8	9	10	503	536	671	1400	856
4	452	416	3	6	8	9	11	508	531	812	1390	905
5	452	416	3	6	8	9	11	526	574	960	1500	938
6	452	416	3	6	8	9	11	503	574	960	1550	972
7	452	416	3	6	8	9	11	475	498	960	1540	966
8	447	420	3	6	8	9	11	498	503	960	1540	966
9	447	420	3	6	8	9	11	526	508	996	1540	960
10	447	420	4	6	8	9	11	526	508	1120	1530	960
11	447	420	4	6	8	9	11	526	545	1120	1310	960
12	434	420	5	6	8	9	11	531	574	1130	878	938
13	424	420	5	6	8	9	11	559	526	1130	883	894
14	424	416	5	6	8	9	11	583	508	1120	883	894
15	424	218	5	7	8	9	11	630	503	1190	844	866
16	424	3	5	7	8	10	11	620	494	1400	668	822
17	424	3	5	7	8	10	11	611	484	1400	592	800
18	424	3	5	7	8	10	11	564	465	1400	536	722
19	424	3	5	7	8	10	11	541	480	1460	407	703
20	424	3	5	7	8	10	11	526	452	1480	420	659
21	424	3	5	7	8	10	12	522	447	1380	461	654
22	424	3	5	7	8	10	12	489	465	1320	465	644
23	424	3	5	7	8	10	12	498	475	1130	656	635
24	424	3	5	7	8	10	12	508	630	984	856	602
25	424	3	5	7	9	10	12	498	940	978	844	550
26	416	3	6	7	9	10	14	541	1060	984	888	508
27	416	3	6	7	9	10	50	597	1120	984	984	480
28	416	3	6	7	9	10	150	611	1090	984	1010	465
29	416	3	6	7		10	263	597	1080	990	1010	438
30	416	3	6	7		10	263	673	1090	1170	949	424
31	416		6	7		10		693		1270	872	

MEAN	4.32	204	4.55	6.55	8.11	9.52	37.2	545	629	1092	1004	764
ACRE- FEET	26,570	12,120	280	403	450	585	2,220	33,510	37,410	67,140	61,740	45,450

Daily discharge, in second-feet, of HENRYS FORK at WARM RIVER, IDAHO

for the year ending September 30, 1914 Plate No. 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	876	817	399	350	341	373	590	944	1050	1320	1610	1220
2	883	824	407	350	341	382	407	1010	986	993	1700	1210
3	883	824	412	345	345	378	430	1040	917	979	1730	1200
4	883	817	403	349	350	374	439	1060	924	1060	1730	1220
5	870	811	378	407	360	370	467	1040	986	1190	1760	1240
6	850	824	382	403	365	366	453	1030	979	1250	1860	1280
7	850	830	412	373	370	362	425	965	938	1250	1860	1290
8	843	830	378	365	375	357	421	1010	890	1270	1860	1290
9	843	830	353	369	380	353	430	1080	890	1270	1830	1290
10	843	817	317	361	385	329	444	1060	863	1360	1830	1270
11	843	817	302	353	390	317	448	1020	876	1420	1830	1270
12	843	805	321	345	370	329	448	1010	924	1440	1380	1270
13	824	741	302	349	360	329	481	1030	931	1430	1290	1220
14	817	843	310	369	370	341	467	1080	856	1440	1270	1210
15	817	870	333	382	380	361	481	1120	870	1450	1250	1220
16	817	539	341	373	382	365	520	1080	856	1640	1170	1160
17	817	394	390	365	378	357	462	1050	837	1660	1010	1150
18	817	435	430	365	361	357	430	1040	817	1680	1010	1110
19	817	353	444	369	373	361	416	993	850	1700	903	1080
20	805	353	444	373	375	378	416	951	856	1760	870	1030
21	798	439	444	378	378	369	416	924	792	1740	870	1020
22	805	373	440	369	380	365	430	910	779	1640	876	1010
23	805	349	425	369	382	365	472	876	811	1570	876	1010
24	798	369	405	366	386	349	520	876	817	1410	1180	993
25	805	394	390	364	369	357	596	890	1070	1380	1220	944
26	811	394	386	361	341	357	601	965	1340	1370	1250	897
27	856	386	394	382	341	365	628	1040	1350	1360	1320	877
28	843	390	361	345	378	369	656	1060	1390	1370	1360	857
29	837	403	333	357		373	741	1030	1410	1370	1360	837
30	824	386	380	353		390	850	1000	1400	1390	1360	817
31	817		370	341		382		1070	1600	1250		

MEAN	834	609	380	365	368	361	493	1008	975	1412	1377	1116
ACRE- FEET	51,250	36,210	23,380	22,410	20,440	22,180	29,330	61,990	58,030	86,800	84,640	66,430

U. S. GOVERNMENT PRINTING OFFICE 6-7149

YEAR 1914
MEAN 778
ACRE-FEET 563,090

Daily discharge, in second-feet, of HENRICKS FORK near ASHTON, IDAHO

for the year ending September 30, 1914
Plate No. 51

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1220	1100	636	544	598	686	878	1630	1550	1880	1880	1500
2	1170	1110	731	580	598	686	876	1720	1470	1360	2020	1530
3	1250	1160	632	519	618	676	847	1730	1330	1340	2060	1480
4	1220	1100	649	644	636	676	916	1790	1380	1420	2060	1520
5	884	1070	656	692	598	676	904	1700	1440	1560	2020	1580
6	1240	1060	635	718	646	646	858	1700	1520	1720	2220	1600
7	1050	1060	642	671	656	646	814	1560	1450	1650	2220	1700
8	1100	1130	659	645	627	646	847	1650	1420	1650	2200	1660
9	1130	1090	647	654	656	656	858	1750	1400	1660	2220	1530
10	1140	1170	602	616	676	646	858	1700	1320	1750	2260	1610
11	1100	1070	494	618	676	627	880	1660	1330	1840	2280	1610
12	1090	914	494	639	696	627	836	1650	1340	1840	1660	1550
13	1100	908	510	551	618	636	904	1660	1420	1830	1610	1580
14	1100	1160	519	673	618	636	904	1730	1280	1810	1440	1520
15	1070	1100	536	644	627	656	904	1810	1230	1810	1450	1550
16	1060	863	580	628	636	696	952	1720	1300	2040	1400	1520
17	1100	510	646	640	646	665	952	1610	1260	2040	1200	1420
18	1070	752	741	638	646	665	847	1600	1240	2120	1200	1380
19	1090	580	698	638	646	707	803	1530	1230	2120	1170	1360
20	1070	580	658	673	656	749	792	1580	1260	2280	1050	1300
21	1070	627	666	629	665	738	781	1170	1200	2180	1080	1320
22	1020	618	651	598	656	738	792	1330	1330	2000	1080	1260
23	1060	580	630	636	665	796	836	1320	1280	1940	1090	1340
24	966	570	666	636	686	803	952	1330	1200	1750	1440	1210
25	976	665	671	646	676	880	1040	1330	1230	1650	1440	1260
26	988	636	649	636	646	853	1170	1450	1750	1630	1530	1120
27	1160	704	722	665	598	870	1190	1680	1840	1630	1580	1160
28	1140	598	599	618	686	739	1190	1700	1860	1580	1680	1100
29	1080	707	627	618		952	1330	1550	1880	1580	1660	1100
30	1270	608	621	618		938	1480	1500	1880	1580	1720	1040
31	1090		653	608		900		1580		1900	1580	

MEAN	1099	860	630	630	645	726	940	1594	1421	1779	1661	1417
ACR-FEET	67,580	51,170	38,720	38,740	35,810	44,650	55,920	98,020	84,540	109,400	102,100	84,320

YEAR or PERIOD MEAN 1120
ACR-FEET 810,970

Daily discharge, in second-feet, of HENRYS FORK at ST. ANTHONY, IDAHO

for the year ending September 30, 19

Plate No. 52

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								2580	1840	1110	972	1150
2								2650	1480	730	1030	1150
3								2770	1190	659	1130	1080
4								2800	1260	676	1240	1110
5								2470	1490	702	1200	1160
6								2290	2000	816	1220	1140
7								1940	1840	786	1180	1220
8								2000	1960	730	1140	1360
9								2560	1820	730	1190	1420
10								2320	1540	767	1210	1490
11								2170	1290	836	1480	1430
12								2170	1160	806	1330	1360
13								2340	1160	806	1210	1400
14								2650	983	846	1140	1310
15								2870	930	856	1100	1310
16								2170	962	940	1040	1440
17								1750	846	1020	846	1360
18								1820	712	994	776	1340
19								1630	634	983	806	1260
20								1330	712	1060	676	1210
21								1070	667	1190	650	1190
22								1160	676	1180	659	1150
23								1220	634	1080	667	1250
24								1430	505	972	836	1200
25								1520	532	962	951	1210
26								1770	1040	951	1030	1150
27								2820	1130	951	1120	1120
28								3280	1120	908	1250	1120
29								2320	1080	887	1250	1110
30								1940	1130	856	1280	1050
31								1880		962	1240	

MEAN								2119	1144	895	1060	1242
ACRE- FEET								130,300	68,080	55,050	65,160	73,880

U. S. GOVERNMENT PRINTING OFFICE 6-7149

YEAR OR PERIOD MEAN ACRE-FEET 392,470



Daily discharge, in second-feet, of

HENRYS FORK near REXBURG, IDAHO

for the year ending September 30, 19

Plate No. 53

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1760	1630	1240	1350	1100	1220	1950	2000	2150	1350	750	1250
2	1740	1600	1280	1190	1120	1420	1790	2340	1980	1260	715	1160
3	1680	1580	1310	1090	1130	1640	1750	2500	1520	978	780	1110
4	1670	1580	1260	1060	1150	1520	1750	2650	1190	896	879	1040
5	1660	1560	1260	1210	1160	1380	1680	2730	1280	923	967	1100
6	1580	1540	1230	1310	1140	1340	1660	2500	1760	923	940	1120
7	1520	1550	1200	1290	1170	1290	1520	2300	2180	945	962	1160
8	1470	1560	1200	1290	1200	1280	1370	1890	2510	950	906	1310
9	1460	1660	1200	1280	1190	1280	1290	2000	2700	896	912	1420
10	1460	1670	1170	1280	1240	1250	1260	2260	2550	846	978	1490
11	1440	1640	1080	1250	1280	1180	1230	2030	2170	796	1150	1520
12	1420	1580	962	1250	1290	1100	1200	2010	1780	791	1620	1460
13	1390	1400	846	1220	1230	1090	1200	2070	1540	750	1430	1430
14	1380	1410	967	1240	1170	1100	1250	2300	1300	735	1550	1410
15	1380	1690	1080	1270	1140	1090	1150	2650	1200	796	1430	1380
16	1370	1710	1170	1250	1170	1130	1170	2610	1320	745	1350	1430
17	1380	1540	1220	1240	1170	1180	1290	1960	1390	775	1220	1510
18	1410	1290	1320	1240	1170	1320	1180	1460	1350	791	1080	1460
19	1380	1380	1360	1270	1190	1610	1020	1620	1330	824	1040	1400
20	1410	1230	1370	1270	1200	1910	1010	1370	1310	912	1020	1380
21	1430	1220	1370	1320	1220	2000	1020	1160	1280	1090	940	1340
22	1400	1250	1370	1240	1200	1740	989	884	1180	1230	906	1360
23	1370	1170	1340	1260	1220	1790	962	840	1130	1180	884	1390
24	1330	1110	1360	1260	1260	1820	989	901	1080	1110	874	1510
25	1300	1190	1430	1270	1310	1760	1030	1050	1020	1100	1020	1500
26	1270	1280	1450	1270	1280	1820	1160	1240	967	1090	1090	1520
27	1320	1240	1420	1220	1220	1860	1270	1790	1090	1040	1160	1430
28	1560	1280	1440	1120	1180	2040	1410	2900	1090	967	1260	1460
29	1580	1240	1370	1120		1950	1490	3300	1170	874	1320	1440
30	1670	1290	1340	1130		2170	1740	2690	1320	791	1320	1400
31	1730		1350	1110		2120		2280		740	1320	

MEAN	1431	1436	1257	1231	1196	1529	1326	2009	1528	939	1089	1363
ACRE- FEET	91,080	85,430	77,290	75,710	66,450	94,020	78,900	123,500	90,920	57,710	66,990	81,100

U. S. GOVERNMENT PRINTING OFFICE 4-7159

YEAR ~~19~~
MEAN 1,366
ACRE-
FEET 939,100

contents, acre-feet, of
Daily discharge, in second-feet, of

GRASSY LAKE near MORAN, WYO.

for the year ending September 30, 19

Plate No. 3

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		474						3071	8629	10940	8292	7519
2	0							3114	8854	10791	8254	7519
3	0			1503				3165	9079	10697	8204	7519
4	0	537					2687		9335	10629	8167	7519
5	0							3289	9595	10562	8131	7531
6	47							3352	9894	10508	8107	7543
7			1114			1967	2331	3397	10184	10440	8083	7555
8	82	625						3451	10467	10359	7915	7567
9	103							3568	10737	10359	7771	7615
10	118							3658	10818	10332	7627	7639
11	131	695		1601				3751	11062	10332	7483	7663
12	141						2759	3875	11370	10238	7459	7687
13								4036	11580	10116	7483	7723
14	161					2061	2407	4220	11790	9985	7495	7771
15	197	770	1198					4440	12028	9855	7495	7795
16								4620	12259	9725	7507	7831
17	225							4800	12506	9595	7507	7867
18	237						2845	5010	12738	9465	7507	7903
19	249			1708			2859	5199	12970	9335	7519	7927
20								5367	13145	9205	7519	7951
21	277							5558	13057	9079	7519	7975
22	289		1270			2143	2503	5778	12941	8929	7519	7999
23	301							5998	12796	8779	7507	8023
24	313	858						6273	12622	8642	7507	8035
25	321							6555	12332	8504	7507	8059
26	339	891						6831	11958	8467	7507	8071
27				1792			2944	7188	11650	8442	7507	8083
28	388	924						7507	11370	8404	7519	8107
29	411	940						7819	11244	8379	7519	8143
30	433		1393			2241	2583	8107	11104	8354	7519	8167
31	456	a 979						8367		8329	7519	
			1445	1883			2607					

MEAN												
ACRE- FEET												

U. S. GEOLOGICAL SURVEY WATER DIVISION

4-7149

YEAR OR PERIOD _____ MEAN _____
ACRE- FEET _____

contents 3079
Daily discharge, in acre-feet, of

GRASSY LAKE near MORAN, WYO.

For the year ending September 30, 19

Plate No 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		474						3071	8629	10940	8292	7519
2	0							3114	8854	10791	8254	7519
3	0							3165	9079	10697	8204	7519
4	0	537		1503					9335	10629	8167	7519
5	0						2687	3289	9595	10562	8131	7531
6	47							3352	9894	10508	8107	7543
7			1114		1967	2331		3397	10184	10440	8083	7555
8	82	625						3451	10467	10359	7915	7567
9	103							3568	10737	10359	7771	7615
10	118							3658	10818	10332	7627	7639
11	131	695		1601				3751	11062	10332	7483	7653
12	141						2759	3875	11370	10238	7459	7687
13								4036	11580	10116	7483	7723
14	181		1198		2061	2407		4220	11790	9985	7495	7771
15	197	770						4440	12028	9855	7495	7795
16								4620	12259	9725	7507	7831
17	225							4800	12506	9595	7507	7867
18	237			1708			2845	5010	12738	9465	7507	7903
19	249						2859	5199	12970	9335	7519	7927
20								5367	13145	9205	7519	7951
21	277		1270		2143	2503		5558	13057	9079	7519	7975
22	289							5773	12941	8929	7519	7999
23	301	858						5998	12796	8779	7507	8023
24	313							6273	12622	8642	7507	8035
25	321	891		1792				6555	12332	8504	7507	8059
26	339						2944	6831	11958	8467	7507	8071
27		924						7188	11650	8442	7507	8083
28	388	940	1393		2241	2583		7507	11370	8404	7519	8107
29	411							7819	11244	8379	7519	8143
30	433	a 979					3029	8107	11104	8354	7519	8167
31	456		1445	1883		2607		8367		8329	7519	

MEAN												
ACRE- FEET												

Daily discharge, in second-feet, of

GRASSY LAKE OUTLET

for the year ending September 30, 1912

Plate No. 54 A

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1									0	114	37	15
2									0	73	37	15
3									0	73	37	15
4									0	73	37	4
5									0	73	37	0
6									0	73	37	0
7									0	73	70	0
8									0	60	86	0
9									90	50	86	0
10									0	44	86	0
11									0	70	47	0
12									0	86	26	0
13									14	86	21	0
14									0	86	10	0
15									0	86	10	0
16									0	86	12	0
17									0	86	12	0
18									0	86	12	0
19									0	86	12	0
20									91	86	12	0
21									156	86	12	0
22									167	86	15	0
23									167	86	15	0
24									167	86	15	0
25									203	86	15	0
26									229	37	15	0
27									152	37	15	0
28									114	37	15	0
29									114	37	15	0
30									114	37	15	0
31										37	15	0

Gate wide }
open →

MEAN									59.3	71.0	28.6	1.6
ACRE- FEET									3530	4370	1760	97

Year or PERIOD MEAN ACRE-Feet 9757

Daily discharge, in second-feet, of

FALL RIVER near SQUIRREL, IDAHO

for the year ending September 30, 19

Plate No. 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	475	384	359	341	341	323	452	1570	1440	653	353	384
2	430	384	365	305	335	341	468	1540	1420	585	347	384
3	445	391	365	300	335	347	482	1570	1390	513	365	384
4	417	391	372	300	335	335	498	1600	1500	498	359	384
5	404	384	372	305	329	335	513	1570	1720	475	347	384
6	391	384	372	347	329	335	452	1430	1870	460	347	391
7	384	384	372	347	329	323	424	1220	1610	445	353	445
8	378	398	359	353	329	323	410	1400	1640	438	417	430
9	372	398	359	358	341	323	438	1510	1370	391	404	404
10	365	378	347	353	347	317	452	1620	1140	384	430	445
11	359	365	329	347	353	311	482	1680	1140	359	482	424
12	359	341	305	347	353	323	513	1820	1160	424	430	391
13	359	317	305	335	335	323	561	1880	1110	430	490	384
14	353	329	311	347	335	266	561	2430	1080	424	398	378
15	353	341	311	347	323	300	561	2100	1130	417	384	378
16	347	347	317	341	329	323	577	1750	948	410	384	468
17	347	384	323	341	323	323	545	1610	904	404	384	452
18	347	378	329	353	323	347	513	1840	926	398	384	430
19	347	372	335	353	323	347	498	1550	820	384	468	424
20	347	372	359	353	323	347	498	1310	715	430	424	410
21	347	372	359	353	335	347	498	1470	830	398	398	404
22	347	372	353	353	335	347	513	1610	770	391	391	398
23	347	353	353	353	359	359	529	1750	733	404	378	417
24	347	353	391	353	335	359	628	1960	715	417	372	417
25	341	353	353	353	335	359	662	2020	742	424	365	430
26	341	353	378	359	323	359	751	2050	706	391	391	417
27	341	341	365	359	323	384	871	2400	697	372	384	404
28	347	365	391	359	323	384	1100	2490	577	353	384	398
29	391	353	353	359		398	1150	1900	679	347	391	391
30	398	353	365	359		438	1250	1670	679	341	391	391
31	410		365	347		410		1530		341	391	

MEAN	372	366	351	345	334	344	595	1737	1072	423	393	408
ACRE-FOOT	22,880	21,800	21,600	21,180	18,520	21,140	35,400	106,800	63,790	25,990	24,170	24,280

U. S. GEOLOGICAL SURVEY OFFICE

9-719

YEAR OR PERIOD

MEAN 563
ACRE-FOOT 407,550

Daily discharge, in second-feet, of

FALL RIVER near CHESTER, IDAHO

for the year ending September 30, 1912

Plate No. 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								1760	1240	100	55	192
2								1800	960	91	47	186
3								1900	852	81	73	186
4								1870	951	52	173	192
5								1700	1190	40	170	195
6								1560	1420	48	102	173
7								1260	1240	56	43	202
8								1390	1270	65	42	271
9								1710	1140	48	29	255
10								1540	990	37	37	212
11								1510	764	27	131	150
12								1620	670	22	199	134
13								1790	708	32	366	128
14								2120	655	44	335	126
15								2100	670	48	243	139
16								1540	640	48	212	225
17								1310	503	50	179	232
18								1540	382	45	167	212
19								1340	302	57	212	215
20								1060	259	89	212	205
21								990	271	139	186	199
22								1070	199	89	179	189
23								1240	167	89	164	212
24								1390	121	106	158	232
25								1460	189	128	158	243
26								1490	164	113	161	236
27								2060	100	95	153	229
28								2340	167	87	173	225
29								1710	131	68	192	229
30								1440	141	60	192	232
31								1300		55	199	

MEAN								1578	615	68.0	159	202
ACRE- FEET								97,010	36,610	4,180	9800	12,010

Year or Period MEAN ACRE- FEET 152,610

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

for the year ending September 30, 19 1911

Plate No. 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1												
2										657	380	397
3										629	392	386
4										629	375	386
5										686	359	386
6										650	354	375
7										615	349	370
8										588	344	380
9										636	344	402
10										595	354	397
11										528	402	392
12										510	402	370
13										503	478	354
14										472	629	344
15										443	535	334
16										437	443	344
17										431	414	354
18										425	431	349
19										402	484	364
20										392	491	402
21										437	503	359
22										431	497	359
23										597	460	349
24										386	448	370
25									1020	392	431	397
26										414	425	370
27										425	414	349
28										437	419	339
29									769	419	419	324
30									761	392	414	319
31									708	380	402	314
										380	397	

MEAN										488	425	364
ACRE- FEET										29,990	26,160	21,690

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	640	514	471	341	330	399	744	694	1430	1130	716	614
2	583	489	412	349	330	533	678	780	1270	1070	711	598
3	548	480	391	316	330	494	689	877	1200	1070	705	598
4	553	475	391	316	330	439	630	943	1270	1130	683	598
5	538	461	391	340	330	421	588	949	1460	1100	694	593
6	504	448	391	395	330	412	645	923	1560	1060	739	588
7	489	461	382	350	330	399	588	870	1440	1020	768	598
8	475	489	378	350	335	395	514	852	1470	1050	792	635
9	471	504	378	350	332	395	475	1150	1410	1030	798	624
10	457	480	357	348	345	382	461	1200	1360	943	883	614
11	452	443	345	335	349	353	443	1310	1270	870	822	604
12	448	399	330	325	357	332	439	1640	1270	858	733	588
13	443	421	325	315	336	324	439	2000	1320	834	883	578
14	443	421	320	340	328	324	471	2120	1540	798	822	573
15	443	457	320	340	324	336	466	1960	1750	774	716	563
16	439	439	325	330	332	361	457	1560	1840	756	662	583
17	443	421	330	340	332	466	471	1330	1990	762	678	578
18	443	434	330	349	328	903	457	1710	2050	762	694	578
19	439	403	350	336	328	1030	457	1520	2010	768	705	640
20	434	391	400	341	332	1020	475	1210	1840	816	733	624
21	430	412	400	345	336	768	466	1150	1730	792	733	604
22	425	391	395	345	345	822	439	1300	1770	700	705	593
23	421	378	390	349	353	846	430	1520	1780	672	683	598
24	425	395	390	349	357	768	430	1640	1800	672	672	624
25	425	430	385	349	357	810	443	1640	1710	689	651	630
26	425	386	380	349	336	929	457	1800	1510	700	640	604
27	484	386	374	341	320	1070	480	2260	1370	700	635	588
28	578	391	345	304	345	1080	518	2260	1300	694	656	578
29	568	391	336	310		1140	563	1810	1300	662	651	568
30	528	504	378	325		1040	635	1570	1200	640	645	558
31	538		365	325		840		1460		656	635	

MEAN	482	436	370	339	336	640	515	1420	1541	844	718	597
ACRE- FEET	29,620	25,970	22,720	20,820	18,680	39,330	30,640	87,290	91,680	51,920	44,120	35,530

U. S. GOVERNMENT PRINTING OFFICE 9-7188

YEAR or Duration MEAN 688
ACRE-FEET 498,320



Daily discharge, in second-feet, of

PORTNEUF RIVER at POGATELLO, 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	113	107	218	216	191	427	427	416	132	80	77	108
2	116	104	210	175	223	493	427	416	130	70	76	108
3	113	100	204		216	526	406	427	119	70	80	105
4	116	97	201		220	630	406	438	107	71	79	101
5	111	101	201		193	584	416	427	124	69	75	110
6	104	98	202		212	515	416	406	119	69	76	114
7	102	98	202	201	471	395	395	129	65	71	118	
8	101	98	201	202	449	374	374	145	69	82	121	
9	104	97	201	214	438	374	364	152	63	102	119	
10	102	97	197	210	416	395	342	155	58	100	107	
11	102	100	186	200	246	384	427	353	124	58	107	108
12	102	113	175		311	353	427	364	137	59	102	110
13	104	108	175		364	332	438	384	134	59	108	100
14	101	126	175		384	311	460	384	126	62	108	102
15	93	130	175		206	395	300	460	135	61	102	108
16	95	170	175	214	353	300	449	353	137	54	100	110
17	97	193	175	222	300	311	460	300	124	71	114	105
18	97	199	175	191	290	364	460	260	124	71	130	100
19	95	202	212	189	300	395	449	250	111	79	110	95
20	94	201	197	188	322	416	438	220	107	76	105	90
21	94	199	206	191	364	427	427	186	102	81	102	86
22	93	197	214	191	374	406	416	159	97	81	98	89
23	93	191	197	197	395	406	416	138	85	81	107	100
24	90	186	223	197	427	416	427	127	80	80	104	105
25	89	182	270	197	460	406	438	129	74	80	102	118
26	98	189	246	204	460	384	449	140	69	90	104	116
27	110	189	240	201	460	395	471	166	63	93	108	113
28	121	189	250	193	449	395	438	164	57	89	107	107
29	110	195	250	188		406	416	155	61	81	110	104
30	105	206	237	189		416	416	143	69	75	114	104
31	105		233	191		427		135		75	113	

MEAN	102	149	207	196	312	416	427	287	111	72.3	99.1	106
ACRE- FEET	6,290	8,850	12,740	12,030	17,330	25,580	25,420	17,650	6,600	4,440	6,100	6,310

YEAR
or
Period

MEAN
ACRE-FEET

206
149,340