



STATE OF IDAHO
C. BEN ROSS, GOVERNOR
DEPARTMENT OF RECLAMATION
R. W. FARIS, COMMISSIONER
BOISE

HANS H. COFFIN
ASSISTANT COMMISSIONER
DIRECTOR WATER RESOURCES

January 25, 1932

Hon. C. BEN ROSS,
Governor of Idaho,
Boise, Idaho

Sir:

There is transmitted herewith the annual report of Lynn Crandall, Watermaster and Special Deputy Commissioner of Reclamation, covering the handling and distribution of water in Water District No. 36 for the year 1931. Water District No. 36 includes practically the entire area irrigated from Snake River above the Milner Dam, comprising approximately one million acres of land.

Operations in this District were carried on last year, as usual, under the cooperative agreement between the State of Idaho and the U. S. Geological Survey, which has been in effect since 1919, and which has proven effective, economical and satisfactory.

As you realize, we have during the past year suffered the greatest drought in the history of the State, the water supply in this District being only a little over 50 per cent normal, on which account there was, naturally, some loss of crops and inconvenience sustained by the farmers, but by the exercise of rare judgment, tact and industry, Mr. Crandall and his able corps of assistants have met and surmounted the many perplexing and vexatious problems incidental to such a situation in a fair, efficient and constructive manner.

The "Committee of Nine," which is a voluntary organization of Waterusers serving in an advisory capacity to the Watermaster, without compensation, has also rendered valuable service by way of advice and unselfish devotion of their time and efforts in the interest of the Waterusers of the District during the trying times of the past season, and its services are fully appreciated by this Department.

The data and information contained in previous reports of the Special Deputy for this District have been found convenient and of great value to this Department with reference to the many complex and troublesome problems with which it has to contend in the handling and distribution of water, and it is confidently expected that this report will prove as valuable in that respect as its predecessors.

Respectfully submitted,

R. W. FARIS

Commissioner of Reclamation



C. BEN ROSS, GOVERNOR
R. W. FARIS, COMMISSIONER

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

WATER DISTRICT NO. 36

January 25, 1932

Mr. R. W. Faris,
Commissioner of Reclamation,
Boise, Idaho.

Dear Sir:

I am transmitting, herewith, the annual report of District No. 36 for the year 1931.

The operations of the District were carried on, as in past years, under a cooperative arrangement between the State of Idaho, the U. S. Geological Survey and Snake River water users.

The year was characterized by the lowest run-off that has ever occurred on the stream and some loss of crops was experienced due to water shortage, especially in the Henry's Fork basin.

Special acknowledgements are due to the members of the Committee of Nine and to the officers of the various canal companies for a tolerant fair-minded attitude towards the various questions that arose from time to time on account of the deficient water supply.

Your cordial cooperation throughout the season, the loyal efficient service of the various members of the operating organization and the assistance of W. V. Iorns and Helen George in the preparation of this report are also gratefully acknowledged.

Very truly yours,

LYNN CRANDALL

Watermaster.

WATER DISTRIBUTION AND HYDROMETRIC WORK

SNAKE RIVER, IDAHO

DISTRICT NO. 36

BY LYNN CRANDALL

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INTRODUCTION

At the annual Watermaster election held in Idaho Falls on March 2, 1931, Lynn Crandall was unanimously elected as Watermaster for the ensuing year and the following were elected as members of the Committee of Nine: W. O. Cotton, E. B. Darlington, John E. Kelley, Geo. Harrigfeld, John W. Hart, F. A. Miller, E. H. Neal, N. V. Sharp and R. E. Shepherd. The Committee organized by electing John W. Hart, Chairman, F. A. Miller, Vice-Chairman and John Lee, Secretary.

The meeting adopted the report of the Resolutions Committee providing charges for stored water transmission losses on the same basis as in recent years: namely, 2.5% Moran to Heise, 4.4% Heise to Lorenzo, 0.5% Lorenzo to Woodville and 6% Woodville to Blackfoot.

The following resolution was unanimously adopted:

"WHEREAS, The present indications are that the normal flow of Snake River during the coming season will be the lowest ever recorded, and

WHEREAS, Under these conditions it is desirable and necessary that the fullest possible use be made of existing facilities for use of water, and

It is hereby resolved that as an emergency measure during the 1931 season only, owners of natural flow rights above Blackfoot shall be permitted to store such natural flow in Jackson Lake or Henry's Lake reservoir when space is available during such times as the natural flow rights are cut to a priority earlier than April 15, 1898, the amount to be stored, however, to be as determined by the Watermaster and not to exceed the average diversion by said canal under its valid and existing rights during the preceding five-day period. If any of the rights of said canal lapse during the period when such water is being stored, the amount to be stored shall be proportionally reduced. Any water so stored shall be for the exclusive use of the Canal Company storing same and shall not be subject to sale. If any stored water at all owned by said Company is sold, the right to the accumulated natural flow shall entirely lapse and such water shall revert to the river for use by natural flow rights."

At a meeting of the Committee of Nine held on March 2, 1931 the Watermaster, at his request, was authorized to hold natural flow in Jackson Lake that should be permitted to flow downstream to fill

rights below American Falls, such rights, however, to be supplied with an equivalent amount of storage from American Falls belonging to upper valley canals. This authorization was granted because it was the only possible way in which enough storage could be accumulated at Jackson Lake to allow upper valley canals to receive American Falls storage water owned by them.

At this same time the Committee of Nine authorized the following reductions in salaries of River Riders:

Heise division to.....	\$7.50	per day
Rigby & Idaho Falls division to.....	7.25	" "
Blackfoot division to.....	7.00	" "

the above figures to include transportation. Owing to the uncertainty of the date when regulation would become necessary, no exact budget was adopted but the Watermaster was requested to maintain all expenses at as low a figure as possible consistent with giving efficient service.

As the season advanced, it early became apparent that various canals in the upper valley, who either owned no storage at all or insufficient amounts, would be unable to mature any of their late crops. This situation led to a general meeting of water users and the Committee of Nine on June 2, 1931 at Idaho Falls, at which meeting a Pool Committee consisting of John E. Kelley, W. O. Cotton, J. T. Fisher, John Lee and Lynn Crandall, ex-officio, was appointed to secure water from all available sources for sale to canals needing same. At this time a resolution was unanimously adopted by the water users authorizing the temporary storage of natural flow rights at Jackson Lake when

priorities later than 1898 were being filled, 60% of such water to be to the credit of the Company storing same and 40% to the credit of the Pool Committee. The Watermaster had already adopted an arbitrary charge of 10% on storage of natural flow when rights were cut to priorities earlier than 1898 to cover fluctuations in river flow resulting from such storage and he was authorized to apply such charges to the credit of the Pool Committee.

By this time negotiations had been consummated between the United States, the Idaho Power Company, American Falls Reservoir District No. 1 and the owners of storage rights in American Falls reservoir whereby the American Falls Reservoir District, acting as trustee for owners of storage rights, leased the Government space in the reservoir for a period of five years, same to be prorated by the District among the various parties owning reservoir rights except American Falls District No. 2 and the Burley Irrigation District. In this connection some discussion arose regarding the right of upper valley canals to participate in the portion of the Gooding project right at the American Falls reservoir that could not be used in 1931. Under the then existing situation the only way in which any of this Gooding water could be made available for use above Blackfoot was by exchange for stored normal flow at Jackson Lake belonging to the North Side Canal Company and Twin Falls Canal Company. Stored normal flow at Jackson Lake belonging to the Minidoka project had already been exhausted in exchange for other American Falls rights owned or leased from the Government by upper valley canals. It was finally agreed that 23,000 acre-feet of Gooding water would be allotted to the upper valley

above Blackfoot during 1931 for distribution by the Pool Committee, which would pay the American Falls Reservoir District for such amount of water at the rate of 12¢ per acre-foot, the latter to apply the sum so received to the credit of the various upper valley canals in proportion to the share of each in the water leased for five years from the Government.

At this meeting the Watermaster was authorized to allow temporary transfers of natural flow rights at any time during the 1931 season when priorities were cut to June 1, 1898 or earlier, provided such transfers would not deprive any canal of water that it would otherwise receive.

At this time the Committee fixed a charge of 30¢ per acre-foot for water sold by the Pool Committee with a charge of 10¢ per acre-foot for the Gooding water to such canals owning space in American Falls Reservoir as would agree to replace in 1932 the water purchased at this rate if American Falls Reservoir failed to fill in 1932. The price of 30¢ was fixed because the Pool Committee had agreed to take over the leases of the Enterprise Irrigation District and Snake River Valley Irrigation District with the Government which had been previously made at prices ranging from 27¢ to nearly 30¢ per acre-foot.

The Committee of Three consisting of Messrs Stocking, Sharp and Paul, a sub-committee of the Committee of Nine, having in charge the various questions arising from the segregation of stored water and natural flow at American Falls reservoir met at Rupert on March 26, 1931 and adopted 2,750 second-feet as the natural flow gain between Clough and Neeley for the 1931 season.

The use of this figure resulted in reservoir losses that seemed quite reasonable and consistent up until some time during the first half of August when it became apparent from the river records that the inflow had decreased below the adopted figure. A subsequent meeting of the Committee was held at Burley on August 20, 1931 at which time the Watermaster was authorized to make inflow measurements between Clough and Neeley and to use as gain beginning August 21, 1931 the amounts indicated by such measurements.

Other features of water distribution were much the same as in previous years, accentuated by the short supply and long regulation season. The hydrometric work was carried on according to the standard practice and methods of the U. S. Geological Survey.

In anticipation of the short water supply the United States made application on March 25, 1931 to the Commissioner of Reclamation for the appointment of a Special Deputy to handle the distribution of stored water, and on April 3, 1931 Lynn Crandall was appointed by the said Commissioner to this position. Request was made on April 22, 1931 for regulation of natural flow by the United States representing the Gooding Project, by the Minidoka Irrigation District and by the Burley Irrigation District. Thereafter the natural flow was never sufficient to fill the rights decreed from the river and storage was drawn continuously each day until the end of September either from American Falls or Jackson Lake or both.

The gates at Jackson Lake were closed on October 1, 1931 but intermittent regulation by the Watermaster above Blackfoot continued until the middle of November, 1931 before continued cold

weather caused canals to cease diversions sufficiently so that water in substantial volume flowed past Blackfoot bridge. This is the first time since the settlement of the valley that the river flow after October 1st was insufficient to fill the requirements for stock water and fall irrigation under the canals that divert upstream from Blackfoot.

PERSONNEL

The personnel engaged in the work of distribution in District No. 36 during the season of 1931 was as follows:

Lynn Crandall	Watermaster and Special Deputy Commissioner of Reclamation.
Melvin Luke	Hydrographer and Deputy Watermaster in charge of deliveries on Henry's Fork and tributaries.
H. S. Kollenborn	Hydrographer until June 25, 1931.
W. V. Iorns	Hydrographer after May 22, 1931.
LeRoy W. Beam	Hydrographer during irrigation season.
Helen George	Clerk, Idaho Falls office.
Romona Brown	Part-time Clerk, St. Anthony office.
Walter Lenz	Deputy Watermaster, Upper Fall River.
Geo. H. Powell	Deputy Watermaster and hydrographer Teton River div.
Clyde Anderson	Deputy Watermaster and hydrographer Henrys Fork & Fall River divisions.
W. J. Kremer	Deputy Watermaster, Swan Valley division.
H. M. Bramwell	" " , Rigby division.
F. W. Tolles	" " , Idaho Falls division.
E. E. Bingham	" " , Blackfoot division.
H. E. Field	" " , American Falls dam.
T. E. Culley	" " , Minidoka dam.
W. N. McConnel	" " & hydrographer Milner dam.
J. M. McGinn	Gate Tender, Henry's Lake dam.
Joseph Markham	Superintendent, Jackson Lake dam.
Frances W. Herre	Forwarding Agent, Ashton, Idaho.

Mrs. John Keppner, Leon Taylor, Mrs. Irvin Siepert, Ora Kofoed, J. A. Clough, W. J. Baker and S. B. McAbee, gage readers.

DESCRIPTIVE OUTLINE OF 1931 DISTRIBUTION

The snow surveys that have been made each winter and spring by Joseph Markham on the watershed of Jackson Lake are becoming of increasing interest and importance to water users on the river.

It has been found by experience and study of the records that the results of the March snow survey each spring afford a fairly reliable basis for predicting the ensuing run-off. The results of the March snow survey, reduced to water equivalent, is shown in the following table for years of available records.

TABLE SHOWING MEAN WATER EQUIVALENT OF SNOW ON JACKSON LAKE WATERSHED AT TIME OF MARCH SURVEY

Year	Average Water Equivalent	% of Mean
1919	16.8 <i>inches</i>	83
1920	21.5	107
1921	20.6	102
1922	22.0	109
1923	20.8	103
1924	15.8	78
1925	25.9	128
1926	16.6	82
1927	33.0	164
1928	23.8	118
1929	20.2	100
1930	16.8	83
1931	9.3	46
Mean	20.2	100

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

It is apparent from a study of this table and a knowledge of water deliveries in past years that the march snow survey should show in any year an average water equivalent of 20 inches or more to insure adequate normal flow deliveries. The low results of the March, 1931 survey gave rise to much apprehension on the part of water users that was later realized in the deficient run-off. The river was practically dry at Blackfoot for long periods during the season. It was dry at the Lorenzo bridge during the latter part of the season except for a few second-feet of seepage water and Henrys Fork early in the season went dry below St. Anthony and remained so until cuts were made to priorities

early enough to draw water from Henrys Fork canals to supply canals with earlier priorities on Snake River. The flow at the Woodville station reached a minimum of 460 second-feet the lowest ever recorded at that point, and new minimum natural flow discharges were recorded at practically all stations above American Falls reservoir.

Although neither Jackson Lake nor American Falls reservoirs filled, the holdovers in those reservoirs on October 1, 1930 amounting to about 800,000 acre-feet were of great aid to the 1931 supply and the situation would indeed have been serious except for these holdovers.

The low natural flow, large intermittent storage drafts, storage and exchange of natural flow rights and the necessity of keeping the river as nearly dry as possible at Blackfoot all contributed to irregular stream flows and made satisfactory operation above Blackfoot very difficult, besides adding considerably to the office work incident to keeping the necessary water accounts in proper order at all times.

The low river flow that existed at times increased very materially the storage transmission time interval from Jackson Lake to Blackfoot and while in the accompanying tabulations the same time interval has been applied as in previous years, it is a fact that at the extremely low stages the river from Lorenzo to Blackfoot at times became a mere succession of pools with intervening riffles. Under such conditions the time required to get an increased head of water down the river often was twice as great as the normal schedule.

The shortage in supply was especially pronounced in the Henrys Fork region. Henrys Lake on account of its limited drainage area

and scant snowfall only filled to about 20% of capacity and while the Pool Committee assigned a large part of its available supply to Henry's Fork canals by allowing such canals to divert natural flow which was replaced by Jackson Lake storage held by the Committee, there was no possible way by which most of these canals could secure anything approaching an adequate supply after the middle of the summer. Teton River canals received a supply far below normal and were cut throughout the season to even earlier priorities than were being filled on the river. No water at all reached Henry's Fork from the Teton river during the season. It would appear from the experience of the past few years in the Henry's Fork area that an adequate supply for the region can only be secured by additional storage facilities either on Henry's Fork or its tributaries, perhaps at more than one site, unless developments should make it possible to secure the Bechler site on Fall river from which point the entire area could be readily supplied at minimum cost.

American Falls reservoir reached its maximum height on April 20 and from that time until May 14 rights below American Falls were regulated in accordance with the normal flow available at Neeley as shown on Plates 11-13. During this period and intermittently thereafter until early in June normal flow was stored at Jackson Lake to the credit of various lower valley canals to the same extent as if this water had been permitted to flow down the river. The amounts so stored are shown by days on Plate 15. In preparing this tabulation, due allowances were necessarily made for 12.5% transmission loss from Jackson Lake to Neeley, priority of rights being filled on the river both above Blackfoot as well as below, normal flow being stored by canals above Blackfoot, etc.

The matter of this temporary storage of lower valley normal flow and subsequent exchange for an equal volume of storage at American Falls was of considerable benefit to upper valley canals in enabling them to utilize storage owned by them at American Falls. At the same time the procedure was not without benefit to lower valley canals because in making the calculations it was assumed that if the water had been released at Jackson Lake it would have, less 12.8% loss, all reached Neeley. As an actual matter of fact the losses early in the season on the first rise of the river would have been considerably greater than this figure. Much of the water would also have run out in upper valley canals that, on account of low river stages, were not drawing their decrees, so that altogether the lower valley canals not only saved the normal established loss of 12.8% but in addition received credit at American Falls for considerably more water than would ever have reached there if it had been permitted to flow down the river instead of being retained at Jackson Lake to their credit.

Beginning May 14 regulation was in accordance with the following schedule:

May	14	Cut off all 1894 rights.
"	15	" " 1891 "
"	16	Filled 1891 "
"	17	" 1903 "
"	18	" 1905 "
"	20	Cut off 1895 rights above Woodville
"	21	" " 1891 "
"	23	" " 1890 "
"	25	Filled 1893 "
"	26	" 1898 "
"	27	" 1904 "
"	30	Cut off 1900 rights above Woodville
"	31	" " 1896 "
June	2	Filled 1900 rights.
"	4	" 1903 "
"	11	Cut off 1896 "

June	14	Cut off June 1, 1895 rights
"	15	" " March 22, 1895 "
"	17	" part of February 6, 1895 rights
"	19	" off 1895 rights
"	20	" " rights later than June 1, 1891
"	22	" " " " " November 1, 1890
"	23	" " " " " June 10, 1890
"	25	" " " " " April 1, 1890
"	27	" " all 1890 rights
"	28	" " rights later than July 1, 1889
"	29	Filled 75% of June 1, 1889 rights
July	1	Cut off all June 1, 1889 rights
"	2	" " part of May 11, 1889 "
"	5	" " all of May 11, 1889 "
"	6	" " May 1, 1889 rights
"	7	" " April 15, 1889 "
"	9	" " rights later than March 1, 1889
"	11	Filled 50% of April 6, 1889 rights
"	13	" 50% " April 6, 1889 "
"	15	Cut off April 6, 1889 rights
"	16	" " all 1889 rights
"	17	Filled 75% of August 13, 1888 rights
"	18	" 50% " August 13, 1888 "
"	19	" 25% " August 13, 1888 "
"	21	Cut off all rights later than July 1, 1888
"	22	Filled 83% of June 21, 1888 rights
"	24	" 67% of June 21, 1888 "
"	25	" 33% " June 21, 1888 "
"	26	" 50% " June 21, 1888 "
"	30	" all " June 21, 1888 "
"	31	" all 1888 rights
Aug.	2	" April 6, 1889 rights below mouth of North Fork
"	5	Cut off rights later than July 1, 1888
"	9	Filled 80% of June 21, 1888 rights
"	11	Cut off June 15, 1888 rights
"	15	Filled June 15, 1888 "
"	16	" 1888 rights
"	18	" 50% August 13, 1888 rights
"	20	Cut off rights later than July 1, 1888
"	21	Filled 80% of June 21, 1888 rights
"	25	" all of June 21, 1888 "
"	28	" 80% of June 21, 1888 "
"	29	" 1/3 of June 15, 1888 rights on South Fork
"	30	Cut off June 15, 1888 rights
"	31	Filled 1/2 of June 15, 1888 rights
Sept.	1	Filled June 15, 1888 rights
"	6	" 1888 rights
"	9	" 75% of June 10, 1888 rights.

Sept. 11	Filled	June 1, 1888 rights	
" 12	"	50% of June 1, 1888 rights	
" 20	"	all of June 1, 1888	"
" 24	"	75% of June 10, 1888	"
" 26	"	50% of Aug. 13, 1888	"
" 28	"	August 13, 1888 rights	

Dates of cuts varied slightly from the above in accordance with the time schedule between different sections of the river.

The schedule for Teton River and Henrys Fork rights, which at times varied from the main river schedule, due to lesser supply, is shown separately in the chapter covering that area.

Due to the low flow which was insufficient for late season requirements, regulation continued until the middle of November. After the latter part of September, however, strict adherence to established priorities was not followed, but an attempt was made to furnish a stock water stream to each canal, which was accomplished except for short intervals, and the balance of the available supply was delivered to the canals with the earliest rights for fall irrigation.

Plates 2 and 3 illustrate the manner in which Jackson Lake and American Falls reservoirs were filled and drawn down during the year.

Jackson Lake reached a peak on June 14 of 546, 870 acre-feet. All the water that accumulated in that reservoir, however, after April 22 was stored normal flow to the credit of various canal companies, and of the 407,200 acre-feet which the reservoir held on April 22, 2,334 acre-feet was stored normal to the credit of lower valley canals and 104,382 acre-feet was American Falls holdover from 1930 to the credit of

various individual companies, leaving 300,484 acre-feet of Jackson Lake water available for 1931 allotment to canals owning rights therein. This amount is 68.7% of the bottom right of 437,810 acre-feet and the 1931 Jackson Lake allotment was made on that basis.

American Falls reservoir reached an apparent peak on April 20 when it held 1,553,840 acre-feet. A comparison of the gage heights for this and adjacent days, however, together with study of Clough and Neeley records indicates that a downstream wind on the reservoir on this date artificially raised the water level at the gage and that the correct reservoir peak should be that of April 17 when the reservoir contained 1,551,710 acre-feet. Adding 104,382 American Falls holdover at Jackson Lake from the 1930 season to this figure makes a total of 1,656,092 acre-feet available for the 1931 allotment. Considering the various holdovers of American Falls water from 1930 this amount was found to be sufficient to fill all American Falls rights in full during 1931 except Lenroot Canal Company, Milner Low Lift District, Peoples Canal Company, Martin Canal Company and North Side Canal Company. The amounts allotted to each individual company are shown on Plate 14.

WATER SUPPLY

The following tabulation of comparative normal flow run-off at the Moran and Neeley stations affords a bird's eye view of the variation between the different years:

TABLE SHOWING ANNUAL RUN-OFF IN ACRE-FEET OF SNAKE
RIVER AT MORAN AND NEELEY STATIONS

Year ending Sept. 30	(a) Acre-Feet	Moran % of Mean	(b) Acre-Feet	Neeley % of Mean
1904	1,301,910	121	7,280,000	116
1905	779,570	72	4,150,000	66
1906	699,220	84	5,430,000	87
1907	1,282,000	119	8,510,000	136
1908	1,123,600	104	6,770,000	108
1909	1,461,300	136	8,540,000	136
1910	1,238,070	115	7,230,000	115
1911	1,345,790	125	7,080,000	113
1912	1,214,110	113	8,040,000	128
1913	1,436,000	133	8,600,000	137
1914	1,149,360	107	7,550,000	120
1915	770,130	72	4,950,000	79
1916	1,222,180	114	6,820,000	109
1917	1,238,040	115	8,120,000	129
1918	1,246,200	116	7,590,000	121
1919	685,190	64	4,610,000	74
1920	993,105	92	5,330,000	85
1921	1,067,370	99	6,770,000	108
1922	1,006,850	93	6,020,000	96
1923	944,500	88	5,630,000	90
1924	647,730	60	3,900,000	62
1925	1,328,000	123	6,290,000	100
1926	761,000	71	4,789,000	76
1927	1,417,000	132	6,470,000	103
1928	1,331,000	124	6,743,000	107
1929	665,000	80	4,770,000	76
1930	794,000	74	4,242,000	68
1931	576,000	54	3,297,000	53

Mean

1,075,000

6,270,000

(a) Corrected for holdover at Jackson Lake since 1909.

(b) Corrected for holdover at American Falls since 1926.

The Neeley records have been adjusted to cover holdovers in the American Falls reservoir but have not been corrected for Jackson Lake holdovers or variations in diversions from year to year, on account of the many assumptions that would be necessary in making such corrections.

The long time record at Neeley station extending back to 1896 is shown on Plate 4. The deficiency in run-off during most of the years since 1918 is readily apparent from this diagram. Plate 5 is similar diagram for years of available records of Snake River near Moran, Wyoming which is above all irrigation diversions and shows a similar average deficiency since 1918.

The Neeley records since American Falls reservoir was built in 1926 should show a decrease in annual run-off compared to previous years due to the fact that this reservoir, by exchange with Jackson Lake, results in water being used in the upper valley that under conditions prior to 1926 would have passed Neeley. The evaporation losses that occur on the American Falls Reservoir itself would also decrease the Neeley run-off over that of similar years prior to 1926.

Plates 4 and 5 are interesting as showing how, since 1915 at both Moran and Neeley, each dry year is lower than the last preceding extreme dry year. In this connection compare the low years of 1915, 1919, 1924 and 1931 and note how the annual run-off in these years becomes successively lower and lower from one to the next.

It is evident that this section, in common with other western areas, is passing through a long-time cycle of increasing aridity, the end of which is not yet in sight.

TRANSFERS AND EXCHANGES

As previously noted, the great deficiency in the 1931 water supply resulted in an emergency agreement for that year, only, permitting storage of natural flow rights as well as transfers from

one canal to another. Temporary normal flow storage and transfers so authorized were restricted by the Watermaster to amounts that in his judgement would have been used by the canal owning the rights if the transfers or storage had not been permitted. Upon this basis no injury resulted to any user from the practice and it was of great benefit to certain canals whose normal flow rights were cut off or greatly reduced by midsummer and who owned either no storage or inadequate amounts. During the entire season upper valley canals above Blackfoot stored a total of 104,000 acre-feet of normal flow at Jackson Lake which is 3.7% of their total seasonal diversions of 2,798,000 acre-feet.

Temporary normal flow transfers on the main river were made as follows:

North Rigby and Bramwell to Consolidated Feeder
 East Labelle to Lowder, Kite & Nord and Cheney
 Reid to Lenroot
 Long Island and West Labelle to Island-Dilts
 Long Island to Butte & Market Lake
 Kennedy to Great Western
 Nielsen-Hansen to Corbett

These transfers in each case were restricted to other canals on the same section of the river to avoid any possible effect on return flow to the stream. Similar transfers were permitted among canals on Henrys Fork and tributaries and in several instances when Henrys Fork was dry below St. Anthony normal flow was transferred from certain canals to others and later repaid from Jackson Lake stored water owned or leased by the latter when priority cuts were made to low enough dates so that water was being delivered from Henrys Fork to Snake River.

Several permanent transfers were made during the season according to statutory provisions governing such procedure. None of these were for any large amounts of water, the most important being transfers from the East Labelle, Bramwell and Long Island ditches to

the Consolidated Feeder. A study of the groundwater contours of the valley indicates that there is a well defined area of about 160 square miles in the vicinity of the junction of Henrys Fork with Snake River in which the groundwater is close to the surface and drains into the river as return flow. For years past numerous permanent transfers of rights from canals serving this area have been made to canals serving other sections of the valley where the groundwater is far below the surface and never returns to the stream above Blackfoot. Early in 1931 the Watermaster adopted a permanent policy of refusing to approve any transfers from lands within this high level groundwater area to lands outside of it. Permanent transfers have been approved however from one section of the area to another in the same area where the groundwater still returns to the river and from other areas in the valley where the groundwater does not reach the stream above Blackfoot to areas similarly situated.

LITIGATION

No controversies arose during the year serious enough to lead to any new litigation. The Milner Low Lift Irrigation District and the Martin Canal Company were each awarded summary decrees in uncontested actions against the Watermaster covering rights previously established by use and State permits but which had never been defined by decree.

The case which had been pending for several years regarding the right of the Independent Canal Company to divert water from Scott's Slough was dismissed by the District Court early in the season, without prejudice, upon the failure of the Company to make satisfactory showing as to the amount of water required to irrigate its lands.

The case of the Twin Falls Canal Company vs. the Watermaster and State Commissioner of Reclamation relative to water distribution below Neeley remained in status quo during the year without coming on for trial.

The extreme shortage of water supply gave rise to a close study by various users of methods of operation being followed on the stream, but upon careful analysis of all factors involved in each case it was found possible to work out solutions fairly equitable to everyone concerned without resort to litigation. Among instances of this nature it was found necessary at times to operate the river above Lorenzo as a separate stream with priorities on Henrys Fork and the river below Lorenzo being filled to a slightly later date than could be filled above Lorenzo from the available natural flow at Heise station.

CANAL DELIVERIES

The amount of water diverted daily by the various canals from Snake River between Heise and Clough's ranch during the period May 1st to September 30, 1931 is shown on Plates 6 to 10, inclusive. Diversions by canals below American Falls for the entire year ending September 30, 1931 are shown for each individual canal among the records at regular gaging stations, Plates 33 to 43, inclusive. Regulation of canal deliveries continued by the Watermaster until about the middle of November but the river riders, except in the section below Shelley, were not employed after October 1st and no attempt was made to keep accurate records of diversions. During this period the available flow was divided on an equitable basis among the various canals for domestic purposes and those with very early priorities were allowed to divert such additional amounts as were available for fall irrigation needs.

The following tabulation shows the seasonal diversion, area under canal and acreage actually irrigated in 1931. The acreage figures are those furnished by the officers of the various companies. The acreage irrigated is supposed to represent the area upon which crops were grown during the year, but no deductions have been made for such items as roads, building sites, corrals, canals, stock yards, etc.:

TABLE SHOWING IRRIGATED ACREAGE AND SEASONAL
DIVERSIONS DURING 1931 BY SNAKE RIVER CANALS.
(Diversions May to September, incl. 1931)

Name of Canal	Acre-feet	Area under Canal	Acreage Ir- rigated 1931	Diversions Ac.ft. per acre irrig.
Riley	3,170	873	675	4.7
Anderson & Eagle Rock	188,000	31,210	28,000	6.7
Farmers Friend	87,600	10,500	10,300	8.5
Enterprise	28,000	7,000	6,500	4.3
Nelson	137	50	40	3.4
Mattson & Craig	2,040	650	300	6.8
Arnsberger	212	140	100	2.1
Ross & Rand	693	160	160	4.3
Butler Island	11,700	1,500	800	14.6
Steele	2,120	224	200	10.6
Harrison	73,600	16,000	15,500	4.8
Cheney	824	160	160	5.1
Boomer & Idaho	170,000	35,400	35,400	4.8
Rudy	32,500	5,000	4,500	7.2
Kite & Nord	855	255	110	7.8
Burgess	153,000	23,000	20,000	7.6
Clark & Edwards	19,700	1,945	1,750	11.2
Lowder & Jennings	5,900	1,209	900	6.6
East LaBelle	32,300	2,800	2,800	11.5
Consolidated Feeder	15,800	3,504	3,230	4.9
Lenroot	19,800	3,960	3,600	5.5
Reid	27,200	5,000	3,500	7.8
Texas Feeder	48,300	4,500	4,380	11.0
Nelson-Corey	2,280	460	210	10.8
Hill-Pettinger	367	190	120	3.1
Rigby	34,800	3,500	3,000	11.6
Dilts & Island	27,100	4,300	3,650	7.4
W.Labelle, Indep. & Long Island	116,500	11,100	8,700	13.4
Parks & Lewisville	83,900	7,000	5,600	15.0
North Rigby	12,000	1,400	1,250	9.6
White	1,410	200	90	15.6
Ellis	669	120	100	6.7
Bramwell	1,560	380	220	7.1
Butte & Market Lake	34,800	19,000	17,560	2.0
Osgood	26,300	6,440	6,440	4.1
Bear Island & Smith	409	250	220	1.9
Kennedy	5,450	2,077	1,022	5.3

Name of Canal	Acre-feet	Area Under Canal	Acreage Ir- rigated 1931	Diversions ac. ft. per acre Ir.
Great Western & Porter	118,700	28,717	26,479	4.5
Coy	140	30	30	4.7
Woodville	13,700	3,000	3,000	4.6
Snake River Valley	96,800	25,000	21,910	4.4
Reservation	210,580(a)	60,000	29,874	7.0
Blackfoot	57,500	15,841	15,276	3.8
New Lava Side	24,800	7,000	6,000	4.1
Peoples	82,000	16,000	15,000	5.5
Aberdeen	177,500	62,295	45,000	3.9
Corbett	22,200	7,500	7,500	3.0
Nielsen-Hansen	1,620	900	750	2.2
Riverside	31,300	5,000	4,000	7.8
Danskin	44,300	6,000	6,000	7.4
Trego	11,100	1,600	1,250	8.9
Wearyrick	12,600	1,540	1,540	8.1
Watson	26,300	4,000	3,000	8.8
Parsons	6,720	4,000	1,055	6.4
North S. Minidoka	383,000	61,200	57,000	6.7
South S. Minidoka	302,000	54,000	50,300	6.0
North Side Milner	792,000	185,000	126,473	6.3
South S. Milner	975,000	203,568	203,568	4.8
Milner Low Lift	37,700	8,114	8,000	4.7
Gooding	264,874	80,000	32,000	8.3
Total Main Snake River	4,963,630	1,051,762	856,092	5.8

(a) 34,400 acre-feet diverted from Snake River. Balance is supplied from Blackfoot River and Sand Creek waste.

Note: The irrigation season is taken as May to September for canals above American Falls and April to September for canals below American Falls.

The increased irrigated acreage in 1931 over that of 1930 is due to inclusion of Gooding Canal which was not used in 1930.

A similar tabulation for Henrys Fork canals will be found in the chapter on that section.

Many of the canals which show seasonal diversions that might be considered adequate were in reality quite short of water during August and September, the fairly high seasonal diversion in such instances being due to heavy natural flow diversions early in the season at the only time when water was available to fill many of the decrees. Upper valley canals above Blackfoot diverted during May to September, inclusive, from

the main Snake River a total of 2,209,056 acre-feet of which 527,000 acre-feet or 24% was stored water. Lower valley canals below Blackfoot diverted April to September, inclusive, a total of 2,754,574 acre-feet of which 1,620,000 acre-feet or 59% was stored water.

The proportionate value of the stored water was even greater than is indicated by the above percentages as it was used to supply normal flow deficiencies mostly during mid and late summer at critical periods of crop growth. As a matter of fact there would have been practically a complete crop failure on the greater part of the irrigated area in the valley except for the water stored at American Falls and Jackson Lake reservoirs.

RIVER DATA

Segregation of river flow at the various stations between stored water and normal flow, diversions between river stations, stored water losses, etc. are summarized for the season on Plates 11 to 13. In the preparation of this table the following time intervals have been used, corresponding to the nearest day with those used during years prior to 1930:

<u>Days from Jackson Lake</u>	<u>Station</u>
0	Moran
1	Heise
2	Woodville
2	Blackfoot Bridge
2	Clough Ranch
3	Neeley
4	Minidoka
5	Milner

Experience during 1931 demonstrated that the actual time interval varies widely with the river stage and at very low stages as much as two days are required from Heise to Woodville and one day from

Woodville to Blackfoot. The average time interval from Clough to Neeley, Neeley to Minidoka and Minidoka to Milner are all probably less than one day each but on account of American Falls reservoir, Lake Walcott and Milner Lake intervening between these stations, and being maintained at varying levels, it is very difficult to determine correct time intervals and to facilitate computations the use of the one-day interval between these stations has been continued during 1931 as in the past.

Storage released under the Twin Lakes heading was credited to the Utah-Idaho Sugar Company for diversion through the Osgood canal. The segregation of flow between stored and normal at the various river stations was computed as in past years by taking the daily reservoir drop at Jackson Lake, averaged oftentimes for several days to eliminate wind effect, as stored water passing Moran. Starting with this amount of storage at Moran the 1931 schedule of transmission losses was applied in the different river sections as far downstream as the Blackfoot bridge station. Upper valley storage diversions were all charged with the full loss to Woodville but no loss below that point as provided by their contracts with the United States. Jackson Lake storage diversions by Henrys Fork canals are listed in the Heise-Woodville section on the same basis as in past years of maintaining sufficient Jackson Lake storage in this section to compensate Snake River users for the normal flow diverted by Henrys Lake users in lieu of such storage. Minus signs on these tabulations indicate normal flow being stored in Jackson Lake. It is obviously impossible to accurately estimate requirements for release at Jackson Lake two or three days ahead of time needed to maintain exact balances at Blackfoot bridge and early in the season natural flow rights were permitted to divert

some Jackson Lake storage which was later repaid by intermittent natural flow waste past Blackfoot bridge. This method resulted in a greater percentage loss from Blackfoot bridge to Cloughs than would occur with large volumes of storage being carried, and to protect the rights of the owners below American Falls of the 3,400 second-foot right of October 11, 1900 the minimum normal flow at Cloughs was taken as 130 second-feet representing the amount that a study of past records indicated would be available for 1931 conditions if the river was kept continuously dry below Blackfoot bridge. Whenever priorities were cut below October 11, 1900 the normal flow at Cloughs was taken as 130 second-feet to which amount was added any normal flow in the Blackfoot river and the balance above this figure at the Clough station was classed as Jackson Lake storage.

The daily normal flow at Neeley up to August 20 was determined by adding 2,750 second-feet to the Clough normal for the preceding day. From August 21-September 30, 2,560 second-feet was added instead of 2,750 second-feet, based upon two sets of inflow measurements made after August 21st.

The daily normals at Neeley were divided among the several canals below that point in accordance with their respective priorities and any amount in excess thereof diverted on any day by any canal was classed as stored water. Under this system of tabulation the draft from Lake Walcott and net gain Neeley to Milner is classed as part of the storage supply for the Minidoka project.

STORED WATER DELIVERIES

Owing to the extreme shortage of water a larger amount of storage was used in 1931 than has ever been the case in previous years. Many canals, especially on Henrys Fork, found it necessary to purchase storage from such sources as were available and the numerous transfers, sales, storage of normal flow and penalty charges on same to furnish water for the Pool Committee, etc. all tend to complicate the matter of showing clearly the storage rights and drafts by the various canals.

Daily storage diversions by the various canals are shown on Plate 14. Minus signs indicate storage of normal flow at Jackson Lake by upper valley canals. The early season credits to lower valley canals for normal flow held at Jackson Lake are shown by days on Plate 15. Explanatory notes on Plate 14 explain the source of most of the quantities listed as reservoir allotments. Due to water credited to the Pool Committee from penalty charges on stored normal flow, from purchases of stored normal flow, etc. all of which was sold by the Committee, the total upper valley storage supply at Jackson Lake does not correspond with the upper valley rights at Jackson Lake when it reaches its peak on June 14, 1931.

Lower valley allotments from American Falls reservoir including transfers from Jackson Lake were as follows in acre-feet:

<u>PROJECT</u>	<u>TOTAL ALLOTMENT</u>	<u>NET ALLOTMENT</u>
<u>IDAHO POWER COMPANY</u>	45,000	
(less transfers to Minidoka & N. S. Canal Co. of 39,940)		5,060
 <u>MINIDOKA PROJECT</u>		
Am. Falls right, Minidoka Dist.	50,000	
1931 Allotment " " (lease)	36,640	
Burley District	75,000	
Jackson Lake bottom right	223,584	
Stored Normal at Jackson Lake	62,285	
Transfer from Power Co.	13,333	
Draft on Lake Walcott	73,930	
Gain Neeley to Milner	4,000	
Total	534,552	534,552

<u>PROJECT</u>	<u>TOTAL ALLOTMENT</u>	<u>NET ALLOTMENT</u>
<u>MILNER LOW LIFT</u>		
1931 Right	30,670	
" lease less transfer to N. S. Canal Co.	8,000	
Total	38,670	38,670
<u>TWIN FALLS CANAL CO.</u>		
Original right	151,165	
1931 Lease	95,661	
Stored Normal at Jackson Lake	7,050	
Total	253,896	253,896
<u>NORTH SIDE PROJECT</u>		
Hillsdale right	41,146	
Hillsdale lease	26,062	
N. S. Canal Co. old space yield	219,957	
N. S. Canal Co. option	20,000	
N. S. Canal Co., 1931 lease	176,880	
Bottom right Jackson Lake	6,870	
Stored Normal Jackson Lake	36,189	
Am. Falls Dist. surplus	278	
Power Company transfer	26,607	
Blackfoot River storage	12,300	
Transfer from Milner Low Lift	13,678	
Total	579,967	579,967
<u>GOODING</u>		
Actual use	256,930	256,930

Notes: Idaho Power Company transferred 13,333 acre-feet to Minidoka and 26,607 to North Side Canal Company.

Milner Low Lift transferred 13,678 acre-feet of its 1931 lease to the North Side Canal Company.

The amounts available for use under the heading "1931 Lease" have been computed by adding to the amounts specified in exhibit "A" of the lease contract between the Government, the American Falls Reservoir District and the Idaho Power Company a proportionate share of unallotted waters not apportioned when the lease was made plus an additional surplus unused by the Gooding project and additional storage that later passed the Clough station, all totaling 40,531 acre-feet.

In addition to the amounts available from Jackson Lake and American Falls reservoirs the Minidoka project is entitled to the storage released from Lake Walcott and net gain Neeley to Milner.

American Falls allotments were based on April 17 contents which would correspond to April 18 at Lake Walcott. The draft on Lake Walcott, April 18 to September 30, was 73,930 acre-feet which would be the net seasonal draft on this reservoir by the Minidoka project. The net gain Neeley to Milner for the months May to September was 4,800 acre-feet which has all been credited to the Minidoka project as it drew storage practically continuously throughout the season.

The seasonal loss in American Falls reservoir was 16,100 acre-feet. This loss was apportioned, as shown on Plate 14, among the various lower valley storage users in proportion to their diversion of American Falls storage including storage transferred there from Jackson Lake rather than in proportion to storage rights. This was done because the sales of storage between various lower valley users were made on the basis of 12¢ per acre-foot which is supposed to represent the price of the water as allotted in the reservoir. The reservoir loss on water sold at this rate was charged to the purchaser, rather than to the original owner.

Total storage discharged past Milner during the irrigation season was 7,800 acre-feet of which 5,060 acre-feet, August 22-31, was Idaho Power Company storage, leaving 2,740 acre-feet as storage waste. This was apportioned among the various canals diverting at Milner dam in proportion to their total diversions May to September. Adjustments were then made in these Milner waste charges to compensate for 300 acre-feet taken by the North Side Canal and 400 acre-feet taken by the South Side Canal on June 4-5 when a break in the Gooding canal would have resulted in these quantities being otherwise wasted down the river. The charges

shown on Plate 14 are the adjusted figures being 700 greater for the Gooding, 300 less for the North Side and 400 less for the South Side than their actual proportions of the waste based on diversions.

During the season the stored water discharged past Cloughs amounted to 34,200 acre-feet of which 12,300 acre-feet was Blackfoot River storage and 21,900 acre-feet Jackson Lake storage.

POOL COMMITTEE OPERATIONS

The Pool Committee to whom were delegated, by the Committee of Nine, the task of securing enough water to save the late crops under upper valley canals with seriously inadequate supplies, were able to secure water from the following sources:

	<u>Acre-feet</u>	<u>Cost</u>
Penalty charges on Normal Flow storage	15,800	---
Upper Valley share of Gooding Project water (Payment made to Am. Falls R. Dist. # 1)	23,000	\$2,760.00
SNAKE RIVER VALLEY assigned Government Lease	4,000	1,160.00
Enterprise Irrig. Dist. " " "	5,000	1,410.00
Purchase from J. H. Stone stored normal flow	124	37.20
" " Long Island Canal " "	440	132.00
" " West Labelle " "	555	166.50
" " White Canal " "	55	16.50
" " Danskin " " "	2,500	750.00
Donated by Woodville Canal stored water	1,000	0.00
Total	52,474	\$6,432.20

Additional expenses paid by the Committee were:

W. O. Cotton, services and mileage	207.45
John Lee, " " "	236.24
Jack Fisher, " " "	126.50
John Kelley, " " " including expenses incurred attending meetings of Executive Committee of Am. Falls R. District Board	366.33
Hyrum Severson, expenses attending Executive Committee meetings of Am. Falls R. District Board	125.22
Total expended	\$7,493.94

Sales of water by the Committee were made as follows:

<u>Henrys Fork Canals</u>	<u>Acra-Feet</u>	<u>Paid</u>
Fall River Canal	1,600	\$480.00
Dewey Canal	183	55.00
Independent Canal	390	117.00
Boone Creek Canal	140	42.00
Conant Creek Canal	720	216.00
Chester Canal	1,000	300.00
Salem Union Canal	2,900	870.00
Consolidated Farmers Canal	2,800	840.00
Twin Groves Canal	420	126.00
Marysville Canal	3,400	1,020.00
Farmers Own Canal	1,167	350.00
Last Chance "	300	90.00
Enterprise Irrig. District	570	171.00
Canyon Creek Canal	200	60.00
Siddoway "	500	150.00
<u>Swan Valley Canals</u>		
S. W. Dennis	100	30.00
Robert Fleming	240	72.00
Chas. Fleming	120	36.00
John Miller	240	72.00
T. M. Weeks	300	90.00
<u>Snake River Canals</u>		
Idaho Irrig. District	4,600	1,380.00
Blackfoot Canal	1,000	300.00
Aberdeen-Springfield Canal (7000 Gooding water)	13,000	2,500.00
L. A. Hartert (Kennedy & New Sweden Canals)	300	90.00
Cheney Ditch	177	53.00
Mattson-Craig Ditch	300	90.00
Arnsberger Ditch	70	21.00
M. E. Holt (Nelson ditch)	100	30.00
O. S. Lee (Progressive Dist.)	100	30.00
Butte & Market Lake Canal (2000 Gooding water)	4,000	800.00
Consolidated Feeder	1,017	305.00
Herbert Austin (Kennedy ditch)	100	30.00
Harrison Canal Co. (3,500 Gooding water)	5,000	800.00
Peoples Canal Co. (3,000 " ")	4,000	600.00
H. Kellar (New Sweden Dist.)	17	5.00
Lowder Canal Co.	500	150.00
Total	51,571	\$12,371.00
Amount expended		7,493.94
Balance from Committee operations		\$4,877.06

Of the balance above shown, \$863.09 had been used up to January 1, 1932 to pay various expenses connected with operations of District No. 36 and \$4,013.97 remained on hand January 1, 1932,

including \$270.00 due from the Marysville Canal Company to apply towards the expenses for 1932. The slight excess of water accumulated by the Committee over the amount sold is due to penalty charges on stored normal flow late in the season and inability to get this water out of Jackson Lake late in the season on account of inadequate outlet capacity.

RIVER LOSSES AND GAINS

Losses and gains between river stations are shown by monthly averages using the time interval between stations shown on page 21.

GAIN IN SNAKE RIVER MORAN TO HEISE STATIONS, 1931 (Heise dates & 24-hr. sec.ft.)

Station	May	June	July	Aug.	Sept.	Total Period
Moran	44,420	77,869	163,980	89,110	29,330	404,709
Heise	225,590	279,610	245,660	167,390	99,240	1,017,490
Riley ditch	197	613	542	190	58	1,600
Heise+Riley	225,787	280,223	246,202	167,580	99,298	1,019,090
Tot. gain sf.	181,367	202,354	82,222	78,470	69,968	614,381
Mean " sf.	5,850	6,750	2,650	2,530	2,330	4,020
Tot. " af.	360,000	402,000	163,000	156,000	139,000	1,220,000

The gain in this section for the months June to September, inclusive was only 54% of the gain during similar months in 1930, which year was itself only 70% of normal, reflecting the great shortage of supply yielded in 1931 by this, the largest, part of the Snake River drainage area.

GAIN IN SNAKE RIVER HEISE TO SHELLEY STATIONS, 1931 (Heise dates & 24-hr. Sec.ft.)

Station	May	June	July	Aug.	Sept.	Total Period
Heise+Riley	225,787	280,223	246,202	167,580	99,298	1,019,090
Rexburg	19,081	13,023	11,113	19,196	16,830	79,243
Total Supply	244,868	293,246	257,315	186,776	116,128	1,098,333
Diversions	141,224	200,305	169,236	139,067	86,897	736,729
Net Supply	103,644	92,941	88,079	47,709	29,231	341,604
Shelley	101,860	91,160	72,960	54,276	34,516	354,772
Tot. gain sf.	-1,784	-1,781	4,881	6,567	5,285	13,168
Mean " sf.	-57.5	-59.4	157	212	176	86.1
Tot. " af.	-3,540	-3,530	9,650	13,000	10,500	26,060

30.

The effect of the shortage in run-off passing the Heise station during 1931 was further accentuated by the low ground water inflow between Heise and Shelley. In 1930 this section showed an average gain of 779 second-feet over and above that contributed from Henrys Fork while in 1931 this was reduced to 86 second-feet. During the latter part of the season in 1930 the gain averaged 1,100 second-feet while in 1931 it was only 200 second-feet, a decrease in supply from this source alone of 900 second-feet in addition to the great shortage in supply at Heise where the stream first enters the valley.

LOSS IN SNAKE RIVER
SHELLEY TO BLACKFOOT BRIDGE STATIONS, 1931
(Shelley dates & 24-hr. sec.ft. except as noted)

Station	May	June	July	Aug.	Sept.	Total Period
Shelley	101,090	92,940	72,720	54,736	35,528	357,012
Diversions	66,081	74,916	57,855	42,511	26,970	268,333
Net Supply	35,009	18,024	14,865	12,225	8,556	88,679
Blackfoot B.	27,450	7,263	3,428	2,976	770	41,887
Tot. loss s.f.	7,559	10,761	11,437	9,249	7,786	46,792
Mean " s.f.	244	359	369	298	260	306
Tot. " a.f.	15,000	21,400	22,700	18,300	15,500	92,900

Low ground water levels adjacent to the river and lack of usual surface waste into the stream resulted in an average loss of 306 second-feet in this section of the river compared with 243 second-feet in 1930 when larger discharges were carried. For short intervals during some of the very low water periods in 1931 when no storage was being carried to help share the losses, they exceeded 30% while the average loss for the entire season was 13% compared to 4.6% in 1930.

GAIN IN SNAKE RIVER
BLACKFOOT BRIDGE TO CLOUGH STATION, 1931
(Clough dates & 24-hr. sec.ft. except as noted)

Station	May	June	July	Aug.	Sept.	Total Period
Blackfoot B.	27,450	7,263	3,428	2,976	770	41,887
Blackfoot R.	3,174	157	990	5,194	451	9,966
Tot. Supply	30,624	7,420	4,418	8,170	1,221	51,853
Cloughs	33,478	9,736	6,648	10,968	5,608	66,438
Tot. gain sf.	2,854	2,316	2,230	2,798	4,387	14,585
Mean " sf.	92.1	77.2	71.9	90.3	146	95.3
Tot. " af.	5,660	4,590	4,420	5,550	3,690	28,910

The average gain in this section in 1931 was 95 second-feet. Under the plan of operation followed in 1931, which is based on a study of all past records, the normal flow at Cloughs was taken as 130 second-feet when the river was dry at Blackfoot bridge. There is thus indicated during 1931 an average loss away from the river between these stations of $130 - 95 = 35$ second-feet.

LOSS IN SNAKE RIVER
CLOUGH TO NEELEY STATIONS, 1931
(Neeley dates & 24-hr. sec.ft. except when noted)

Station	May	June	July	Aug.	Sept.	Total Period
Cloughs	34,584	9,901	6,510	11,130	5,510	67,635
Released from Am. Falls R.	182,117	187,003	224,018	138,457	12,634	744,229
Assumed nat- ural inflow*	85,250	82,500	85,250	83,160	76,800	412,960
Total Supply	301,951	279,404	315,778	232,747	94,944	1,224,824
Neeley	298,210	276,890	311,650	230,860	99,120	1,216,730
Tot. Loss sf.	3,741	2,514	4,128	1,887	-4,176	8,084
Mean " sf.	121	83.8	133	60.9	-139	52.8
Tot. " af.	7,440	4,990	8,180	3,740	-8,270	16,100

*2,750 second-feet May 1st to August 20th; 2,560 second-feet August 21st-September 30th.

This section includes the American Falls Reservoir. As has been previously noted the normal flow was taken by agreement at the beginning of the season as 2,750 second-feet. About the middle of August, 1931 the use of this figure was resulting in a continually increasing rate of reservoir loss which seemed unreasonable in view of the rapidly decreasing reservoir stage. At this time the lower valley Committee of Three authorized further inflow measurements, two sets of which were made with the following results.

1931 SURFACE INFLOW TO AMERICAN FALLS RESERVOIR AT NEWELL
1927-1928 STATIONS IN SECOND-FEET

Stream	Date 1931	Disch.	Date 1931	Disch.
Big Jimmy Creek	Aug. 21	32.7	Sept. 10	29.4
Big Spring "	" 21	433.	" 10	449.
Kinney "	" 21	31.	" 10	30.9
Ford "	" 21	8.2	" 10	7.0
Clear "	" 21	129.	" 10	133.
Pyle Springs "	" 22	13.2	" 10	12.4
Coumerhill Ditch	" 22	0	" 10	0
McTucker Springs	" 22	25.4	" 10	22.5
Hull Springs	" 23	7.4	" 10	6.6
Tanner	" 23	0.4	" 10	1.0
Crystal Ditch	" 23	21.4	" 11	17.3
Crystal Waste	" 23	9.3	" 11	6.4
Danielson Ditch	" 23	0	" 11	0
Danielson Springs	" 23	43.1	" 11	39.3
Sterling Creek	" 23	1.2	" 11	1.5
Artesian "	" 23	1.1	" 11	2.7
Colburn "	" 23	0.4	" 11	0
Aberdeen "	" 23	5.2	" 11	2.9
Tartar "	" 23	3.1	" 11	2.9
Shiltz "	" 23	0.4	" 11	0
Cedar "	" 23	0.2	" 11	0
Ross Fork	" 24	52.7	" 9	45.1
Triple Creek	" 24	4.8	" 9	1.9
Portneuf River	" 24	371	" 9	348
Wide Creek	" 24	56.6	" 9	55.1
Bannock Creek	" 24	0.6	" 9	0.4
Rueger Springs	" 24	19.8	" 9	18.9
Total measured surface flow at Newell stations		1,271.2		1,234.2
Unmeasured flow = 840 + 1/3 surface flow		1,264.		1,251.
Total inflow Clough to Neeley by Newell formula		2,535		2,485

The formula for unmeasured inflow is that proposed by Mr. Newell as the result of his 1927-1928 investigations. A comparison of the flow of individual streams in 1931 with that of 1927-1928 reveals that the greatest decrease occurred on streams that are partly supplied by surface run-off or from which water is diverted for irrigation, a considerable part of the 1931 shortage being in the Portneuf River.

As the unmeasured inflow probably is largely supplied from deep seated sources it might be less reduced than would be indicated from the formula $840 + 1/3$ surface flow. After carefully considering this question 2,560 second-feet was adopted by the watermaster as the gain Clough to Neeley beginning August 21, 1931 the date agreed upon by the Committee as the date when the figure might be modified upon the basis of new inflow measurements.

The use of this figure after August 21 resulted in a reservoir gain no doubt due to return bank storage resulting from heavy and rapid drawdown of the reservoir. As a matter of interest and information to the water users concerned in the proper segregation of normal flow and storage at American Falls, the following tabulation of evaporation losses from the reservoir during 1931 has been prepared, based upon observed monthly evaporation rates as determined by Newell in 1927-1928.

Month	Mean area	Mo. Evap. Loss	Precip. at	Net Loss	
1931	Flooded acres	Average Newell	Pocatello	Feet	Ac.ft.
		1927-28 records ft.	1931 - ft.		
May	50,000	.44	.03	.41	20,500
June	41,700	.56	.01	.55	22,900
July	29,900	.67	.05	.62	18,500
Aug.	20,000	.57	.05	.52	10,400
Sept.	8,800	.37	.09	.28	2,500
Season		2.61	.23	2.38	74,800

It is apparent from this table that 74,800 acre-feet of water was lost during 1931 by evaporation from the surface of American Falls reservoir. The seasonal loss charged to reservoir owners by inflow--outflow measurements was 16,100 acre-feet or only 21.5% of the amount lost by evaporation.

This comparison is not so inconsistent, however, as might casually appear for two reasons:

1st. The return bank storage as the reservoir is drawn down, largely and at times entirely, offsets evaporation losses. In calculating losses by inflow-outflow methods only the water actually impounded in the reservoir is considered. Actually when the reservoir is filling considerable water is stored in the adjacent gravels and soils. This only becomes available as the reservoir is drawn down but at such times it should be credited to the reservoir owners to the same extent as if it had been actually stored in the open reservoir area.

2nd. Classification of the lands flooded by the reservoir shows that 8,000 acres were sage brush lands and 48,000 acres were grouped as swampy, irrigated, wild hay and pasture lands, water areas, etc. The vegetation growing on the latter group of lands, comprising most of the reservoir area, probably consumed an average of from 1.5 to 1.75 feet depth of water per season over the area. Such areas as were previously covered by stream channels, swamps, heavy vegetation, etc. consumed just as much water as they now lose by evaporation when flooded. Obviously the only loss chargeable to the reservoir is the amount by which it increased the previously existing losses from transpiration and evaporation in the reservoir basin.

All these various uncertainties render it practically impossible to accurately determine the exact loss resulting from the reservoir construction and operation but considering the problem as a whole it is felt that the inflow as used for 1931 between Cloughs and Neeley which resulted in a reservoir loss of 16,100 acre-feet during the season, was fairly equitable to all parties concerned. During future years of

operation, at least in short water years, it will no doubt prove advisable to make inflow determinations from time to time during the season as a guide in determining the figure to be used as natural flow gain between Cloughs and Neeley.

LOSS IN SNAKE RIVER
NEELEY TO MINIDOKA STATIONS, 1931
(Minidoka dates & 24-hr. sec.ft. except as noted)

Station	May	June	July	Aug.	Sept.	Total Period
Neeley	298,050	276,380	312,070	232,820	104,530	1,223,850
Released from Lake Walcott	-1,543	2,188	-1,946	30,124	9,508	38,331
Net Supply	296,507	278,568	310,124	262,944	114,038	1,262,181
N. Minidoka C.	40,400	44,090	48,780	28,350	8,604	170,224
S. Minidoka C.	31,757	34,200	35,640	26,988	14,789	143,374
Minidoka Sta.	220,000	190,840	217,050	210,920	90,680	929,490
Total Use	292,157	269,130	301,470	266,258	114,073	1,243,088
Tot. Loss sf.	4,350	9,438	8,654	-3,314	-35	19,093
Mean " sf.	140	315	279	-107	-1.17	125
Tot. Loss af.	8,610	18,700	17,200	-6,580	-70	37,900

Probably due to warm weather, deficient precipitation, lessened inflow from stream and springs below Neeley and lowered adjacent ground water levels this section showed somewhat greater loss during May, June and July than occurred in 1930. The rapid drawdown of Lake Walcott during August, however, resulted in a substantial gain for that month and continued drawdown in September resulted in a slight gain for that month also.

GAIN IN SNAKE RIVER
MINIDOKA TO MILNER STATIONS, 1931
(Milner dates & 24-hr. sec.ft. except as noted)

Station	May	June	July	Aug.	Sept.	Total Period
Minidoka Sta.	218,910	191,210	216,560	211,210	95,880	933,770
P. A. Lateral	1,851	1,586	1,910	1,914	872	8,133
North Milner	92,360	75,490	74,970	54,856	17,047	314,733
Geeding	27,064	24,047	35,625	46,470	21,653	155,859
South Milner	98,080	90,620	103,670	102,150	58,410	452,930
Milner L. Lift	3,858	3,735	4,890	4,087	1,876	18,446
Snake at Milner	400	237	319	2,757	334	4,147
Total Use	223,613	195,815	221,384	214,244	100,192	955,248
Tot. Gain sf.	4,703	4,805	4,824	3,034	4,312	21,478
Mean " sf.	152	154	156	97.9	144	140
Tot. " af.	9,360	9,160	9,590	6,020	8,570	42,700

The gain in this section during May, June and July was about the same as during 1930. Decreased diversions to the Minidoka project, however, during August and September together with increased pumping on that project from drains, resulted in gains during those months below what occurred in 1930 and previous years. The net gain from Neeley to Milner for the entire 1931 season averaged only 15 second-feet, the lowest for any year except 1927, and except for the ground storage made available by drawing down Lake Walcott, a seasonal loss would have resulted.

DISTRIBUTION ON HENRY'S FORK

Water distribution on Henrys Fork and tributaries was in immediate charge of Melvin Luke with headquarters at St. Anthony, Idaho.

The water supply in this area for a few days early in the season was insufficient to fill priorities to as late a date as were being filled on Snake River. Later as priorities were cut, a considerable volume of water amounting during the season to about 70,000 acre-feet was carried past St. Anthony to fill earlier priorities on Snake River in addition to delivering 36,260 acre-feet of Jackson Lake storage to Henrys Fork canals.

Rights on Henrys Fork and Fall River were regulated in accordance with the following schedule:

May 10	Cut to 50% Feb. 5, 1902 rights
" 12	Cut to June 1, 1896
" 13	Restored 1900 rights
After "	14 Same schedule as given for Snake River page 10.

Rights on Teton River were cut at all times to earlier priorities than were in force on the river or Henry's Fork. Teton river regulation was in accordance with the following schedule:

May 10	Filled 50% of June 1, 1885 rights
" 13	" all of 1885 rights
" 14	" 1896 "
" 15	" 50% of 1898 "
" 19	Cut to 1889 rights
" 20	" " 50% of June 1, 1885 rights
" 22	" " May 31, 1885 rights
" 25	Filled June 1, 1885 "
" 29	" 1889 rights
" 30	Cut to 1886 "
" 31	Filled 50% of June 1, 1885 rights
June 1	Filled rights prior to 1888
" 2	" " " 1896
" 3	" 25% of 1898 rights
" 4	" 50% " 1898 "
" 8	" 10% " 1898 "
" 9	Cut Oct. 2, 1889 "
" 10	" June 1, 1889 "
" 12	" June 1, 1885 "
" 13	" off 40% of 1885 rights
" 14	" " 30% of 1885 "
" 15	" " 10% " 1885 "
" 16	" " 40% " 1885 "
" 17	" " 50% " 1885 "
" 18	" " 60% " 1885 "
" 22	" " 90% " 1885 "
" 23	" " 95% " 1885 "
" 25	" " May 31, 1885 "
" 26	" to June 1, 1884 "
" 27	" off 25% of June 1, 1884 rights
July 1	Filled 40% of June 1, 1884 rights
" 2	" 50% " June 1, 1884 "
" 5	" 60% " June 1, 1884 "
" 12	" 75% " June 1, 1884 "
" 13	" 60% " June 1, 1884 "
" 15	" 75% " June 1, 1884 "
" 31	" 60% " June 1, 1884 "
Aug. 1	" 60% " June 1, 1884 "
" 4	" 25% " June 1, 1884 "
" 15	" 50% " June 1, 1884 "
" 16	" 40% " June 1, 1884 "
" 17	" 35% " June 1, 1884 "
" 20	" 30% " June 1, 1884 "
" 22	" 25% " June 1, 1884 "
" 24	" 20% " June 1, 1884 "
" 26	" 10% " June 1, 1884 "
" 28	" May 22, 1884 rights to end of season. After the

last of August a small domestic water stream was allowed to flow in canals whose rights had entirely expired.

Daily diversions by the various canals are shown on Plates 16 to 20, inclusive.

Plate 22 shows storage diversions, both Jackson Lake and Henry's Lake, by North Fork canals. There were many purchases of storage, trades of normal flow for storage, etc. as shown by the explanatory notes on this plate. The Henry's Lake storage was originally allotted on the basis of 18,528 acre-feet in the reservoir on June 10 according to the reservoir capacity tables. As the season advanced, however, it became apparent that the reservoir would not yield this amount, and actually 4,300 acre-feet remained in the reservoir after August 12 that could not be withdrawn. The capacity tables which were prepared by D. G. Martin from his reservoir surveys had evidently been based on the assumption that the old outlet channel between the original lake and the dam would be dredged out so that the lake could be lowered to the river level at the dam but this has never been done.

The final allotments of Henry's Lake storage as shown on Plate 22 were made by subtracting 4,300 acre-feet from the maximum contents of 18,528 acre-feet on June 10 and allotting the available balance of 14,228 acre-feet in accordance with percentage ownership in the reservoir which is as follows:

<u>Canal</u>		<u>Acre-feet</u>
Marysville	4.10%	583
Dewey	3.06%	435
Last Chance	8.14%	1,158
St. Anthony Union	6.8%	968
Salem Union	24.2%	3,443
Egin	6.8%	968
Independent	26.8%	3,813
Consolidated Farmers	20.1%	2,860
Total	100.00%	14,228

Plate 21 is a segregation of flow between stored and normal at the various gaging stations on Henry's Fork. The normal flow at the Lake station was determined from occasional measurements of inflow to the Lake, the balance at the Lake station above such amounts being classed as stored water. Transmission losses on stored water were charged as follows: 1.5% Lake to Warm River; 0.5% Warm River to Ashton, none below Ashton. This arbitrary schedule has been in effect for a number of years and although it is based upon no actual investigation it has apparently been satisfactory to the various interested parties. Minus quantities shown in the last column on Plate 21 represent normal flow retained by Henry's Fork canals in exchange for which Jackson Lake storage of similar volume was carried down Snake River for delivery to canals who were entitled to the normal flow that should have come down Henry's Fork to Snake River.

The following tabulation of irrigated areas in the Henry's Fork region is similar to that previously shown for the main Snake River. Irrigated acreages were those reported by officers of the various canal companies or in the case of some of the small canals were secured from other sources.

TABLE SHOWING SEASON DIVERSIONS & IRRIGATED ACREAGES
HENRY'S FORK CANALS - 1931
(Diversion May to September, 1931)

Name of Canal	Acre-feet	Acreage Under Canal	Acreage Irrig. 1931	Divers. Ac.ft. per acre
FALL RIVER CANALS				
Yellowstone	0	5,000	0	0
Harrigfield	498	8,000	400	1.2
Marysville	10,700	14,000	6,000	1.8
Farmers Own	2,680	10,000	1,200	2.2
Almy	52	60	60	0.6
Enterprise	23,200	7,280	7,010	3.2
Bell	543	120	120	4.3
Fall River Canal	50,700	8,000	8,000	6.3
McBee	400	240	240	1.7
Chester	5,300	2,200	1,200	4.4

Name of Canal	Acre-feet	Acreage Under Canal	Acreage Irrig. 1931	Divers. Ac.ft. per acre
FALL RIVER CANALS				
Silkey	1,430	497	200	7.2
Curr & White	9,590	1,515	1,515	6.3
Total Fall River	104,093	56,912	25,945	4.0
HENRY'S FORK CANALS				
Dewey	1,890	1,200	1,200	1.6
Last Chance	6,200	2,268	2,200	2.8
St. Anthony Union	120,000	10,000	10,000	12.0
Farmers Friend	8,290	2,900	2,900	2.9
Twin Groves	13,000	2,300	2,300	5.6
Salem Union	28,500	5,500	5,500	5.2
Egin	74,300	8,190	8,000	9.3
St. Anthony U. Feeder	23,200	2,500	2,500	9.3
Independent	26,900	5,000	5,000	5.4
Consolidated Farmers	30,400	6,000	6,000	5.1
TOTAL HENRY'S FORK	332,680	45,858	45,600	7.3
TETON RIVER CANALS				
Siddoway	1,820	700	671	2.7
Wilford	15,600	2,000	2,000	7.8
Teton Irrigation	10,800	2,000	2,000	5.4
Good Luck	2,760	328	328	8.4
Pioneer	3,720	375	375	9.9
Stewart	2,660	460	440	6.0
Pincock-Byington	2,580	260	260	9.9
Pincock-Garner	3,820	580	400	9.6
Teton Island Feeder	53,600	10,643	9,580	5.6
North Salem	64	400	400	0.2
Roxana	2,450	1,000	250	9.8
Island Ward	771	3,000	3,000	0.3
Woodmansee-Johnson	3,220	1,100	500	6.4
City of Rexburg	8,560	825	825	10.4
Rexburg Irrigation	39,200	7,500	4,000	9.8
McCormick-Rowe	726	160	160	4.5
Total Teton River	152,351	31,351	25,169	6.0
Total Fall River, H.)	589,124	134,121	96,734	6.1
Fork & Teton River				

On most of the canals serious shortages in supply occurred during the latter part of the season although diversions at maximum rates early in the season, in many instances, resulted in a seasonal total that does not reflect the shortage that actually occurred after July 1st.

RIVER LOSSES AND GAINS IN HENRY'S FORK BASIN

The following tabulation shows losses and gains by months in various river sections on Henry's Fork and tributaries. The time intervals used are the same used in preparing Plate 21, namely:

Lake to Warm River	2 days
Warm River to Ashton	1 day
Ashton to St. Anthony	0
St. Anthony to Rexburg	1 "
Squirrel to Chester	1 "
Tetonia to St. Anthony	1 "

GAIN IN HENRY'S FORK LAKE TO WARM RIVER - 1931
(Warm River dates & 24-hr. Sec.ft. except as noted)

Station	May	June	July	Aug.	Sept.	Total Period
H. Fork nr. Lake	280	3,927	4,137	505	376	9,225
H. Fork nr. W.R.	26,279	24,981	25,438	21,412	19,740	117,850
Tot. Gain sf.	25,999	21,054	21,301	20,907	19,364	108,625
Mean " sf.	839	702	687	674	645	710
Tot. " sf.	51,600	41,800	42,200	41,400	38,400	215,400

GAIN IN HENRY'S FORK, WARM RIVER TO ASHTON STATIONS, 1931
(Warm River dates & 24-hr. sec.ft. except as noted)

H. Fork nr. W.R.	26,279	24,981	25,438	21,412	19,740	117,850
Warm River	5,761	5,187	5,241	5,273	5,052	26,514
Robinson Cre.	3,774	1,657	1,214	1,217	1,177	9,039
Tot. Supply	35,814	31,825	31,893	27,902	25,969	153,403
H. Fork Ashton	37,110	32,764	32,137	28,397	27,306	157,714
Tot. Gain sf.	1,296	939	244	495	1,337	4,311
Mean " sf.	41.8	31.3	7.9	16.0	44.6	28.2
Tot. " sf.	2,570	1,860	486	984	2,650	8,550

GAIN IN FALL RIVER, SQUIRREL TO CHESTER STATIONS, 1931
(Squirrel dates & 24-hr. Sec.ft. except as noted)

Squirrel	44,310	20,860	9,253	10,107	9,440	93,990
Diversions	16,761	15,419	7,254	5,299	2,130	46,863
Balance	27,549	5,461	1,999	4,808	7,310	47,127
Chester	34,355	9,061	3,271	5,419	7,394	59,498
Tot. Gain sf.	6,804	3,600	1,272	611	84	12,371
Mean " sf.	219	120	41.0	19.7	2.6	80.9
Tot. " sf.	13,500	7,140	2,520	1,210	167	24,537

LOSS IN HENRY'S FORK, ASHTON TO ST. ANTHONY STATION - 1931
(24-hr. sec.ft. except as noted)

Station	May	June	July	Aug.	Sept.	Total Period
H. Fork nr. Ashton	37,520	32,664	32,301	28,466	27,314	158,265
Fall R. " Chester	34,060	10,224	3,103	5,326	7,460	60,173
Total	71,580	42,888	35,404	33,792	34,774	218,438
Diversions	28,744	22,882	16,542	11,123	10,518	89,809
Balance	42,836	20,006	18,862	22,669	24,256	128,629
H.F. St. Anthony	39,883	20,538	18,539	22,764	23,509	125,233
Tot. Loss sf.	2,953	-532	323	-95	747	3,396
Mean " sf.	95.3	-17.7	10.4	-3.1	24.9	22.2
Tot. " af.	5,860	-1,050	640	-188	1,480	6,742

GAIN IN TETON RIVER, TETONIA TO ST. ANTHONY STATIONS - 1931
(St. Anthony dates & 24-hr. sec.ft. except as noted)

Tetonia	5,591	6,766	7,145	6,920	5,442	31,864
St. Anthony	24,053	20,893	13,644	13,166	10,878	82,634
Tot. Gain sf.	18,462	14,127	6,499	6,246	5,436	50,770
Mean " sf.	596	471	210	201	181	332
Tot. " af.	36,600	28,000	12,900	12,400	10,800	100,700

LOSS IN TETON RIVER, ST. ANTHONY TO LOWEST DIVERSION - 1931
(St. Anthony dates & 24-hr. sec.ft. except as noted)

St. Anthony	24,053	20,893	13,644	13,166	10,878	82,634
Diversions	25,594	20,549	11,014	10,825	8,885	76,867
Tot. Loss sf.	-1,541	344	2,630	2,341	1,993	5,767
Mean " sf.	-49.7	11.5	84.8	75.5	66.4	37.7
Tot. " af.	-3,060	684	5,210	4,640	3,950	11,424

The flow of Teton River was all utilized by Teton River canals during 1931, none except seepage water reaching Henry's Fork during the irrigation season.

GAIN IN HENRY'S FORK, ST. ANTHONY TO REXBURG STATIONS, 1931
(St. Anthony dates & 24-hr. sec.ft. except as noted)

St. Anthony	39,883	20,538	18,539	22,764	23,509	125,233
Diversions	27,708	18,752	13,605	8,818	9,155	78,018
Balance	12,175	1,786	4,934	13,946	14,374	47,215
Rexburg	19,234	12,902	11,474	19,131	16,790	79,531
Tot. Gain sf.	7,059	11,116	6,540	5,185	2,416	32,316
Mean " sf.	228	371	211	167	80.5	211
Tot. " af.	14,000	22,100	13,000	10,300	4,790	64,190

If these tabulations are compared with those in the 1930 report, it will be observed that the gain in the various river sections was much less in 1931 than in 1930. The depleted groundwater levels that existed west of Rexburg in 1931 were reflected in the average gain of only 211 second-feet in Henry's Fork between St. Anthony and Rexburg stations compared to 456 second-feet during 1930. The minimum flow at the Rexburg station in 1931 dropped to 247 second-feet compared with the previous recorded minimum of 355 second-feet that occurred in 1919.

REGULATION IN TETON BASIN

The short supply on Teton River resulted in a request from users in the vicinity of Rexburg for regulation in Teton basin which was undertaken on July 9 under the provisions of the order of the Commissioner of Reclamation which had previously created a separate District 36 C in Teton basin. This action was viewed with alarm by Teton basin users but an agreement was finally reached with them whereby their canals were all closed down for about 10 days to determine how much water would reach Teton river if allowed to flow down the various dry channels of its tributary creeks from whence it had previously all been diverted. After this test, several of the canals, principally the String canal, undertook to deliver to Teton river about one-half of the amount available at their headings retaining the balance, less canal loss, for their own use. This action apparently furnished as much water to the lower Teton river users as if the upper canals had been cut dry and the water allowed to flow down the creeks sustaining the large losses that occur in these channels.

The following measurements of inflow and outflow from Teton basin were made during the season and are here recorded as a matter of information:

TABLE SHOWING INFLOW & OUTFLOW FROM TETON BASIN
1931 in second-feet

Stream	July 9	Aug. 12	Sept. 12
North Leigh Creek above diversions	12.5	5.0	5.0
South Leigh Creek 1 mile above Idaho-Wyoming line	11.2	4.0	5.5
Dry Creek	1.0	0	0
Grand Teton Creek at Idaho-Wyoming line incl. Idaho diversions	22.4	4.0	4.0*
Spring Creek nr. Pratt	3.0	0.5	0.5
Darby Creek $\frac{1}{2}$ mi. above Ida.-Wyo. line	23.9	9.0	10.2
Fox Creek at Idaho-Wyo. line	10.7	5.0	4.3
Game Creek, 100 yards above bridge near Victor	18.0	9.0	8.6
Trail Creek 100 yds. above head of String canal	57.1	36.6	36.6
Badger Creek	2.0	1.4	1.2
Small Creek west of Victor	1.0	1.0	1.0
Total Measured Inflow	162.8	77.5	76.9
Teton R. SW from Driggs	184	---	---
Teton R. nr. Teton Sta.	237	209	163
Gain from Idaho-Wyo. line to Teton Sta.	74.2	131.5	66.1

*17.5 second-feet in canyon 10 miles above Idaho-Wyoming line.

In considering the results shown by the above tabulation, attention is directed to the fact that the inflow measurements were made approximately on the Idaho-Wyoming line and that there may be appreciable ground water flow entering the valley at that point coming from creek losses further upstream, from deep percolation on lands irrigated in Wyoming and from a general ground water inflow to the valley from the mountains at its head in addition to the surface flow of the streams. The measurement on Grand Teton Creek on September 12 showed 17.5 second-feet in the canyon 10 miles above the Ida.-Wyo. line, while only 4 second-feet was flowing at the Ida.-Wyo. state line. No doubt a similar situation may exist on some of the other streams.

DISTRIBUTION IN SWAN VALLEY

Wm. Baker was appointed as Deputy Watermaster in the Swan Valley section upon the request of the local water users. His salary, as in past years, was fixed and paid directly by the interested water users. Copies of regulation orders on priorities being filled were mailed to him from time to time, and while this resulted in short delays in making cuts, the amount of water so involved was inconsequential. As has previously been noted, the Pool Committee sold 1,000 acre-feet and the Government 240 acre-feet of storage to Swan Valley users. These sales were of considerable benefit in making the second crop of hay in Swan Valley and the water in large part returned to the river as ground water inflow and was available for reuse later in the season by canals below Heise.

CLIMATOLOGICAL DATA

Monthly records showing actual and normal precipitation at eight long-time record stations on the Snake River drainage are shown in the following tabulations:

Month	Snake R. Wyo.		Moran, Wyo.		Irwin, Ida.		Ashton, Ida.	
	Act.	Norm.	Act.	Norm.	Act.	Norm.	Act.	Norm.
Oct., 1930	2.89	2.21	3.46	1.82	2.40	1.33	1.49	1.29
Nov.	2.01	2.84	.94	1.59	.37	1.11	1.30	1.26
Dec.	0.56	2.66	.43	1.80	.70	1.13	1.00	1.57
Jan., 1931	1.00	4.46	.63	2.44	1.24	1.39	.63	1.82
Feb.	1.26	2.76	.54	2.15	.37	1.07	.70	1.37
Mar.	4.01	3.08	1.50	2.08	.53	1.14	.20	1.12
April	1.35	2.08	1.76	1.72	.56	.93	.20	1.17
Tot. Oct.-							5.72	9.60
Apr. inc.	13.06	20.29	9.28	13.60	6.17	8.10	.52	1.90
May	2.00	2.41	1.62	1.52	1.31	1.71	1.22	1.38
June	2.47	2.31	.73	1.72	.32	1.24	.26	.67
July	.86	1.56	.90	1.30	1.22	.97	.65	.67
Aug.	1.42	1.46	2.06	1.29	.55	.92	.91	1.16
Sept.	1.40	1.74	1.45	1.92	.70	1.24		
Tot. May-							3.56	6.00
Sept. inc.	8.17	9.52	6.76	8.05	4.10	6.05	9.28	15.60
Year	21.25	29.81	16.04	21.65	10.27	14.18		

Month	Idaho Falls		Blackfoot		Pocatello		Twin Falls		Mean 8 Stations	
	Act.	Norm.	Act.	Norm.	Act.	Norm.	Act.	Norm.	Act.	Norm.
Oct., 1930	1.73	1.11	1.93	1.10	1.65	1.16	1.07	.92	2.08	1.37
Nov.	.80	.86	.43	.79	.97	.89	.73	1.12	.94	1.31
Dec.	.60	1.12	.93	.86	1.22	1.21	.17	1.04	.70	1.45
Jan., 1931	1.03	1.33	.70	.98	.52	1.39	.22	1.17	.77	1.87
Feb.	.54	1.03	.67	.79	.42	1.27	.82	.95	.66	1.42
Mar.	.63	1.18	.74	.84	.87	1.37	.63	.87	1.14	1.46
April	.79	.98	.79	.92	.88	1.43	.82	.99	.89	1.26
Tot. Oct.-										
Apr. inc.	6.12	7.61	6.19	6.28	6.53	6.72	4.46	7.06	7.18	10.16
May	.54	1.41	.80	1.35	.36	1.52	.05	1.08	.90	1.65
June	.10	1.19	.38	.84	.09	1.09	0	.85	.66	1.33
July	.47	.61	1.42	.72	.62	.77	.08	.38	.73	.90
Aug.	.35	.67	.20	.65	.54	.71	.04	.26	.73	.83
Sept.	.66	.87	1.39	.86	1.11	.81	.31	.63	.99	1.16
Tot. May-										
Sept. inc.	2.12	4.75	4.19	4.42	2.72	4.90	.48	3.20	4.01	5.87
Year	8.24	12.36	10.38	10.70	9.25	13.62	4.94	10.26	11.19	16.03

For the seven months October to April, inclusive the precipitation at Snake River, Wyoming was 65% of normal, at Moran, Wyoming 60% of normal, at Ashton 59% of normal and the average for all of the eight stations listed, during the above period, was 71% of normal. For the entire year the actual average precipitation at the eight stations was 70% of normal. The precipitation during October was above normal due to heavy rains but for the 11 months following October, 1930 the average precipitation on the watershed was below normal each month.

Weather conditions throughout the season were generally rather unfavorable for crops, even where water supplies were adequate. Deficient precipitation and drying winds occurred during the forepart of the season while long continued hot weather during the latter part of July reacted unfavorably on certain crops especially potatoes. Mean temperatures were above normal during each of the six months April to September, inclusive, probably due to absence of normal amounts of precipitation.

NEW CONSTRUCTION AND REPAIRS

A new gage well and shelter was installed on Henry's Fork at St. Anthony, replacing an old temporary installation at that point. Concrete deadmen were installed at the Tetonia and Clough stations. The gage wells at the Woodville station and Clough station were lowered to accommodate the low stages occurring in 1931.

EXPENDITURES

A summary follows of expenditures during the calendar year ending December 31, 1931:

EXPENDITURES FOR WATER DISTRIBUTION AND HYDROMETRIC WORK

Year ending December 31, 1931

Watermaster

Lynn Crandall	Salary	3 mos. @ \$4400 per annum)	
		9 mos. @ \$4800 " ")	\$4700.00

Hydrographers

H. S. Kollenborn	"	5.84 mos. @ \$250 per mo.	1458.33
W. V. Iorns	"	1 mo. @ \$200 " "	1716.62
		7 mos. @ \$216.66 " "	
			508.68
L. W. Beam	"	5.17 mos. @ \$160 " "	

Deputy Water Masters

	"	5.8 mos. @ \$190 " "	1061.99
Melvin Luke	"	100 days @ \$8.00 " day	800.00
G. H. Powell	"	153 " " \$7.50 " "	1147.50
Clyde Anderson	"	142 " " \$7.50 " "	1065.00
W. J. Kremer	"	137 " " \$7.25 " "	993.85
H. M. Bramwell	"	138 1/2 " " \$7.25 " "	1004.12
P. W. Tolles	"	167.4 " " \$7.00 " "	1172.00
E. E. Bingham	"	4 mos. @ \$30.00 " mo.	200.00
W. H. McConnel	"	29.75 days @ \$4.00 " day	119.00
R. G. Meikle			

Clerks

	"	12 mos. @ \$145.00 " mo.	1740.00
Helen George	"	2.7 " " \$ 40.00 " "	108.00
Ramona Brown			

Miscellaneous

Gage readers	
Construction and repairs, exclusive of salaries	\$1177.04
Telephone and telegraph	796.91
Supplies and equipment	564.69
Transportation 28,817 miles at 7¢ per mile	1106.78
Travelling and miscellaneous expenses of engineers	2017.19
Interest on borrowed money	525.51
Insurance and bond premium	63.04
Special guards on headgates	52.33
	66.50
Total	<u>\$24,162.46</u>

EXPENDITURES FROM VARIOUS FUNDS

Normal Flow Users	\$9,766.37
Jackson Lake & American Falls Stored Water Users	5,934.82
Storage sales by Pool Committee	863.09
North Fork Reservoir Company	457.00
Utah-Idaho Sugar Company	41.25
State of Idaho Stream Measurement Fund	2,384.33
U. S. Geological Survey	4,715.60
Total	<u>\$24,162.46</u>

FUNDS ON HAND JANUARY 1, 1932

Storage Sales account on hand	\$3,743.97
Storage Sales due from Marysville Canal	270.00
State of Idaho	1,365.68
U. S. Geological Survey	2,368.66
Normal Flow Fund on hand	deficit -1,240.80
Normal Flow Fund due from Bonneville County	1,325.62
North Fork Reservoir Company	35.50
Utah-Idaho Sugar Company	15.00
Sheppard & Company	8.86
Total	<u>\$7,893.29</u>

WATER RIGHTS

Several transfers of rights were made during the year and summary decrees were secured by the Martin Canal Company and Milner Low Lift Irrigation District. All important irrigation rights are tabulated, both by canals and in order of priority, on the following pages. No attempt has been made in these tables to list rights on various tributaries of Snake River above Heise nor rights on various tributary creeks in the Henry's Fork basin. Anyone interested in such rights can find them listed in the so-called Rexburg decree.

SNAKE RIVER RIGHTS
(Listed in order downstream from Heise Gaging Station)

PARTY OR CANAL

	Date	DECREASE Amount in Sec. Ft.	Older
1. Riley	June 1, 1902		
	Jan. 22, 1916	24	0
	Total	12	24
		36	
2. Anderson, Eagle Rock & Willow Creek	Aug. 1, 1880	160	0
	Apr. 13, 1884	340	160
	Apr. 15, 1889	300	500
	Jan. 22, 1916	300	800
	Total	1100	
3. Farmers Friend (Butler Island)	June 1, 1885	2.83	0
(Long ")	June 1, 1887	13.16	2.83
	Jan. 18, 1888	300	16.01
(Long Island)	June 1, 1888	21.04	316.01
" "	June 1, 1889	9.19	337.05
	Jan. 22, 1916	160	346.24
	Total	506.24	
4. Enterprise	Mar. 22, 1895	120	0
	Apr. 15, 1898	66	120
	Jan. 22, 1916	62	186
	Total	250	
5. Nelson	Apr. 30, 1900	4.75	0
6. Mattson-Craig (R. A. Craig)	June 1, 1887	4.80	0
	June 1, 1888	8.40	4.80
Supplemental (Rands)	June 1, 1888	12.96	7.20
	Apr. 30, 1900	14	30.16
	Jan. 22, 1916	34.16	
	Total		
		6	0
7. Arnsberger	June 1, 1891	3	6
	Jan. 22, 1916	9	
	Total		
		5.60	0
8. Heise	May 1, 1902		
		50.54	30.34
9. Butler Island	June 1, 1885	10	
	Jan. 22, 1916	60.54	
	Total		
		3	0
10. Ross & Rand (Butler Island)	June 1, 1885	3.34	3
	June 1, 1888	2.60	5.34
Supplemental (J. H. Stone)	Jan. 22, 1916	6.14	
	Total		

PARTY OR CANAL

	<u>Date</u>	<u>DECREASE</u> <u>Amount in Sec. Ft.</u>	<u>Older</u>
11. Steele			
(Butler Island)	June 1, 1885	5.24	0
(S.J. & W. Summers)	June 10, 1885	1.00	5.24
Supplemental (Robert)	June 1, 1888	2.00	6.24
(Hatfield)	June 1, 1890	.80	6.24
	Total	9.04	
12. Harrison			
(Long Island)	June 11, 1880	.43	0
" "	June 1, 1881	.65	.43
" "	June 1, 1882	.65	1.08
" "	June 1, 1883	.64	1.73
" "	June 1, 1884	.64	2.37
(Butler Island)	June 1, 1885	1.20	
(Long Island)	June 1, 1885	0.64	3.01
(S.J. & W. Summers)	June 10, 1885	13.40	4.85
(Long Island)	June 1, 1886	.64	16.25
" "	June 1, 1887	12.40	18.89
" "	June 1, 1888	32.12	31.29
(Long Island)	June 1, 1889	4.49	63.41
	July 12, 1890	240	67.90
	Jan. 9, 1895	160	307.90
	Jan. 22, 1916	96	467.90
	Total	563.90	
13. Cheney			
	June 2, 1889	6	0
	Jan. 22, 1916	8	6
	Total	14	
14. Boomer & Idaho			
Boomer	Aug. 13, 1888	260	0
Idaho	Aug. 13, 1888	40	
Idaho	May 11, 1889	700	300
	Total	1000	
15. Rudy			
(Butler Island)	June 1, 1885	7.26	0
(Rostan)	June 1, 1886	2	7.26
(C. E. Rostan)	June 1, 1888	2	9.26
	Aug. 13, 1888	100	11.26
	June 1, 1889	30	111.26
	June 1, 1900	14	141.26
	June 1, 1905	36	155.26
	Jan. 22, 1916	120	191.26
	Total	311.26	
16. Kite & Nord (Hatfield)			
Nord-Parsons)	June 1, 1890	6.80	0
	Jan. 22, 1916	5.00	8.60
	Total	13.80	

PARTY OR CANAL

	Date	DECREASE Amount in Sec. Ft.	Older
17. Burgess (Long Island) (Long Island)	June 10, 1886		
	June 1, 1887	10	0
	June 10, 1887	0.80	10.00
	June 1, 1888	10	10.80
	June 10, 1888	0.61	20.80
	June 10, 1890	380	21.41
	June 1, 1895	240	401.41
	Jan. 22, 1916	160	641.41
	Total	200	601.41
		1001.41	
18. Clark & Edwards	Feb. 27, 1885	70	0
	Jan. 22, 1916	30	70
	Total	100	
19. Lowder & Jennings	June 1, 1890	26	0
	June 1, 1892	26	26
	Jan. 22, 1916	33	52
	Total	85	
20. East Labelle	June 1, 1885	48	0
	June 1, 1888	76	48
	Jan. 22, 1916	26	126
	Total	150	
21. Consolidated Feeder (Long Isl. Transf.) " " " (E. Labelle-Bram".) (Island)	June 1, 1886	0.11	0
	June 1, 1887	1.03	0.11
	June 1, 1888	16.40	1.14
	June 1, 1889	44.00	17.54
	June 1, 1891	30	61.54
	June 1, 1891	140	81.54
	Apr. 14, 1902	231.54	
	Total		
22. Lenroot (Amended 6-1-03)	June 1, 1884	9	0
	June 1, 1885	9	9
	June 1, 1889	6	15
	June 1, 1891	15	24
	June 1, 1892	5	30
	June 1, 1892	76	64
	June 1, 1899	100	120
	June 1, 1903	220	
	Total		
23. Reid	June 1, 1885	30	0
	June 1, 1886	40	30
	June 1, 1889	00	70
	June 1, 1889	40	100
	Jan. 22, 1916	120	
	Total		

PARTY OR CANAL

	<u>Date</u>	<u>DECREASE</u> <u>Amount in Sec.Ft.</u>	<u>Older</u>
24. Texas Feeder			
(Texas Slough, 40; Liberty Park, 6;)	June 1, 1885	48	0
(Texas Slough, 12; Liberty Park, 36;)	June 1, 1886	50	48
" "	June 1, 1887	38	98
" "	June 1, 1888	38	136
" "	June 1, 1889	38	174
Texas Slough	June 1, 1891	14	212
" "	June 1, 1892	14	226
" "	June 1, 1893	14	240
" "	June 1, 1894	14	254
" "	June 1, 1895	12	266
Liberty Park 16, Texas Slough 16;	Jan. 22, 1916	32	280
Total		312	
25. Nelson-Corey (P.O. Carlsen)	June 1, 1887	12	0
	June 1, 1891	4.80	12
Total		16.80	
26. Hill-Pettinger	June 1, 1886	0.24	0
	June 1, 1887	.48	0.24
	June 1, 1888	.48	.72
	June 1, 1889	.32	1.30
	June 1, 1891	1.44	1.52
	June 1, 1902	3.00	2.96
	June 1, 1903	10	5.96
Total		15.96	
27. Dilts-Island			
Island	June 1, 1886	14.76	0
"	June 1, 1887	29.52	14.76
"	June 1, 1888	29.16	44.28
(Long Island) Isl.	June 1, 1888	19.44	73.44
" " "	June 1, 1889	163.56	
" " "	June 1, 1891		
(Dilts Labelle Co.)			
Dilts	June 1, 1894	28	256.44
"	Jan. 22, 1916	10	264.44
Total		294.44	
28. Rigby			
	June 15, 1883	10	0
	June 15, 1886	10	10
	June 15, 1887	20	30
	June 15, 1888	120	40
	Jan. 22, 1916	98	160
Total		258	
29. W. Labelle-L. Island			
Long Island	June 11, 1880	36.52	0
" "	June 1, 1881	58.97	36.52
" "	June 1, 1882	68.97	97.49
" "	June 1, 1883	58.98	156.46
" "	June 1, 1884	58.98	215.44

PARTY OR CANAL

	Date	DECREASE Amount in Sec. Ft.	Older
29. West Labelle-Long Isl. (Cont.)			
Independent	June 4, 1884		
Long Island	June 1, 1885	29.20	274.42
W. Labelle	June 1, 1885	58.97	303.52
Long Island	June 1, 1886	109.32	362.59
West Labelle	Jan. 22, 1916	58.86	471.91
Total		26	530.77
		558.77	
30. Parks & Lewisville			
	June 1, 1883	20	0
	June 1, 1884	20	20
	June 1, 1885	100	40
	June 1, 1888	211.12	140
	Jan. 22, 1916	84	351.12
Total		435.12	
31. North Rigby			
	June 10, 1883	50	0
	Jan. 22, 1916	30	50
Total		80	
32. White			
	June 1, 1885	6.98	0
	Jan. 22, 1916	10	6.98
Total		16.98	
33. Bramwell			
(Suppl.) Bramwell	June 1, 1888	8.8	0
" N. American M. Company	June 1, 1888	2.00	8.8
Total		10.8	
34. Ellis (Supplemental)			
	June 1, 1888	4.80	0
	Jan. 22, 1916	2	4.80
Total		6.80	
35. Butte & Market Lake			
	June 4, 1884	2.30	0
	Oct. 16, 1890	349.40	2.30
(Lavina Cutshaw)	Oct. 16, 1890	17	351.70
Total		366.70	
36. Osgood			
Transf. No. 396 Johannesen			
et. al.	June 4, 1884	2.50	0
" No. 293 J.W. Hayes	June 1, 1885	3.70	2.50
" " 474 Johannesen			
et. al.	June 1, 1887	1.64	6.20
" " 268 Anderson B.B. May	1, 1889	2.00	7.84
" " 274 Utah-Idaho Sugar Co.	May 1, 1889	4.92	8.84
" " 474 Johannesen			
et. al.	June 1, 1889	1.21	14.76
" " 268 Anderson B.B. July 10, 1889		8.50	15.87
" " 274 Utah-Idaho Sugar Co.	July 10, 1889	4.48	21.17
" " 267 " "	Oct. 16, 1890	10.60	25.60
" " 130 " "	June 16, 1900	100	36.35
Total		138.25	

PARTY OR CANAL

37. Kennedy & Burgraff	Date	DECREASE		Older	Trans. No.
		Amt. in	Sec. Ft.		
Shattuck	June 11, 1880				
Shattuck	June 1, 1881	0.26		0	
"	June 1, 1882	.38		.26	292
"	June 1, 1883	.39		.64	292
"	June 1, 1884	.38		1.03	292
"	June 1, 1885	.39		1.41	292
"	June 1, 1885	.38		1.80	292
"	June 1, 1885	.57		2.18	324*
"	May 1, 1886	*0.36 in Great W.			
"	June 1, 1886	2.00		2.75	316
"	" 1, 1886	.39		4.75	292
"	June 1, 1886	.80		5.14	316
"	June 1, 1886	2.16		5.94	317*
"	June 1, 1887	*2.64 in Great W.			
"	June 1, 1887	0.58		6.10	332
Harris	June 1, 1887	0.38		6.68	292
Shattuck	May 1, 1888	0.29		9.06	331
"	June 1, 1888	1.00		9.35	315
"	" 1, 1888	.39		10.35	292
"	" 1, 1888	.80		10.74	316
"	" 1, 1888	.58		11.54	332
Harris	" 1, 1888	.30		12.12	331
Austin	Jan. 12, 1889	5.00		12.42	---
Ben. Life Ins. Co.	May 1, 1889	1.17		17.42	283
Harris	May 1, 1889	.48		18.59	Cordett (Williams)
Shattuck	May 1, 1889	1.65		19.07	283
"	June 1, 1889	.25		20.72	292
Ben. Life Ins. Co.	July 10, 1889	6.13		20.97	283
Shattuck	June 1, 1890	4.59		27.10	283
"	July 10, 1890	2.67		31.69	283
Total		34.36			

38. Porter & Great Western					
Utah-Ida. S. Co.	June 1, 1883	15.00		0	
Shattuck	June 1, 1885	0.36		15.00	324*
		*0.57 in Kennedy-Burgraff			
N. Sweden Irrig. D.	Jan. 7, 1886	120		15.36	Orig. decree
Shattuck	June 1, 1886	2.64		135.36	317*
		*2.16 in Kennedy-Burgraff			
Utah-Ida. S. Co.	June 1, 1887	8.00		138.00	492
" " " "	June 1, 1887	0.39		146.00	396
" " " "	June 1, 1887	0.29		146.39	399
" " " "	June 1, 1887	0.52		146.68	465
Harris	June 1, 1887	0.16		147.20	486
"	June 1, 1887	0.48		147.36	465
"	June 1, 1888	0.16		147.64	486
"	June 1, 1888	0.39		148.00	398
Utah-Ida. S. Co.	June 1, 1888	0.26		146.39	399
" " " "	June 1, 1888	0.39		148.67	398
" " " "	June 1, 1889	0.26		149.06	399
" " " "	June 1, 1889	0.62		149.34	468
Harris	June 1, 1889	0.16		149.86	486

RIFTY OR CANAL

No.	Particulars	Date	DECREES		Trans. No.
			Amt. in Sec. Ft.	Older	
38.	Porter & Great Western (Cont.)				
	Utah-Ida. Sugar C.	July 10, 1889	8.67	150.02	264
	Hartert	July 10, 1889	5.33	152.89	276
	N. Sweden I.D.	Jan. 24, 1891	400	164.02	Orig. decree
	Martin	June 1, 1905	17.54	564.02	---
	"	Aug. 12, 1906	3.47	581.56	---
	"	July 17, 1915	7.88	585.03	---
	New Sweden I.D.	Jan. 22, 1916	145	592.91	Woodville decree
	Total		737.91		
39.	Bear Island				
	Bear Island (Weir)	June 1, 1896	3.50	0	
40.	Taylor & Goshen	June 16, 1900	46	0	
41.	City of Idaho Falls	Apr. 20, 1900	140	0	
		Oct. 22, 1904	48	140	
	Total		188		
42.	Coy (Long Island)	June 11, 1880	0.79	0	
43.	Woodville	April 30, 1893	85.50	0	
		June 16, 1900	40	85.50	
		Jan. 22, 1916	38	125.50	
	Total		163.50		
44.	Snake River Valley	April 6, 1889	200	0	
		July 9, 1896	400	200	
		Sept. 1, 1903	110	600	
		Jan. 22, 1916	68	710	
	Total		778		
45.	Reservation				
	(Smith-Maxwell)	Feb. 21, 1890	15.96	0	
	(Idaho Canal)	Dec. 14, 1891	600	15.96	
	Total		615.96		
46.	Blackfoot	July 10, 1889	366.80	0	
47.	New Lava Side				
		June 1, 1884	20	0	
		March 1, 1889	60	60	
		Nov. 24, 1890	72	152	
		Jan. 22, 1916	30		
	Total		182		
48.	Peoples (Watson-Slough)				
	"	March 6, 1885	7.60	0	
	"	July 15, 1889	16.60	7.60	
	"	Aug. 18, 1894	400	24.20	
	"	Jan. 22, 1916	200	424.20	
	Total		624.20		

PARTY OR CANAL

	Date	DECREASE Amount in Sec. Ft.	Older
49. Aberdeen-Springfield	Feb. 6, 1895	1250	0
50. Corbett Slough	May 1, 1889	109.43	0
	May 1, 1892	130	109.43
	Total	239.43	
51. Nielsen-Hansen	June 1, 1883	15	0
52. Riverside (Long Island)	June 1, 1885	10	0
	June 1, 1887	99.35	10
	June 1, 1888	1.22	109.35
	June 1, 1889	1.59	110.57
	Jan. 22, 1916	30	112.16
	Total	142.16	
53. Danskin	July 23, 1886	100	0
	June 1, 1888	80	100
	Jan. 22, 1916	20	180
	Total	200	
54. Trego	June 1, 1890	65.41	0
	June 1, 1902	4.00	65.41
	Jan. 22, 1916	18.00	69.41
	Total	87.41	
55. Wearyrick (Long Island) " " (Watson Slough) (Long Island)	May 3, 1886	38	0
	June 1, 1887	9.36	38.00
	June 1, 1888	1.20	47.36
	July 15, 1888	3.20	48.56
	June 1, 1889	1.60	51.76
	Jan. 22, 1916	30	53.36
	Total	83.36	
56. Watson Slough (Elizabeth Kratzer) (H.M. Palmer)	March 6, 1885	62.40	0
	June 1, 1886	1.60	62.40
	May 13, 1888	3.20	64.00
	July 15, 1888	30.20	67.20
	Jan. 22, 1916	36	97.40
	Total	133.40	
57. Parsons	June 30, 1885	22	0
	Jan. 22, 1916	16	22
	Total	40	
58. Smith-Maxwell	Feb. 21, 1890	1.82	0
59. U. S. B. R. Minidoka canals	May 26, 1903	1726	0
	Aug. 6, 1903	1000	1726
	Total	2726	

PARTY OR CANAL

	<u>Date</u>	<u>DECREASE</u> <u>Amount in Sec.Ft.</u>	<u>Older</u>
60. U. S. B. R. Now Divisions	March 30, 1921	8000	0
61. Schodde	April 1, 1895	2	0
62. Twin Falls Canal C.	Oct. 11, 1900	3000	0
	Dec. 22, 1915	600	3000
	Total	3600	
63. Twin Falls L. S. L. & W. Co.	Oct. 11, 1900	400	0
	June 7, 1905	2250	400
	June 16, 1908	350	2650
	Dec. 23, 1915	300	3000
	Total	3300	
64. Milner Low Lift Irrig. District	Nov. 14, 1916	135	0

SNAKE RIVER RIGHTS
(Listed in order of priorities)

DATE		CANAL OR PARTY	AMOUNT	ACCUM. AMOUNT
June	11, 1880	Kennedy & Burgraff		
June	11, 1880	Harrison	0.26	0.26
June	11, 1880	Coy	.43	.69
June	11, 1880	Long Island	.79	1.48
Aug.	1, 1880	Anderson, Eagle Rock & Willow Creek	38.52	40.00
June	1, 1881	Kennedy & Burgraff	180.00	200.00
June	1, 1881	Harrison	.38	200.38
June	1, 1881	Long Island	.65	201.03
June	1, 1882	Kennedy & Burgraff	58.97	260.00
June	1, 1882	Harrison	.39	260.39
June	1, 1882	Long Island	.65	261.04
June	1, 1883	Kennedy & Burgraff	58.97	320.01
June	1, 1883	Harrison	.38	320.39
June	1, 1883	Long Island	.64	321.03
June	1, 1883	Long Island	58.98	380.01
June	1, 1883	Great Western & Porter	15	395.01
June	1, 1883	Nielsen-Hansen	15	410.01
June	1, 1883	Parks & Lewisville	20	430.01
June	10, 1883	North Rigby	50	480.01
April	3, 1884	Anderson, Eagle Rock & Willow Creek	340	820.01
June	1, 1884	Kennedy & Burgraff	.39	820.40
June	1, 1884	Harrison	.64	821.04
June	1, 1884	Long Island	58.98	880.02
June	1, 1884	Lenroot	9	889.02
June	1, 1884	Parks & Lewisville	20	909.02
June	1, 1884	New Lava Side	20	929.02
June	4, 1884	Osgood	2.50	931.52
June	4, 1884	Butte & Market Lake	2.30	933.82
June	4, 1884	Independent	29.20	963.02
Feb.	27, 1885	Clark & Edwards	70	1033.02
Mar.	6, 1885	Peoples	7.60	1040.62
Mar.	6, 1885	Watson Slough	62.40	1103.02
June	1, 1885	Kennedy & Burgraff	2.56	1105.58
June	1, 1885	Harrison	1.84	1107.42
June	1, 1885	Great Western & Porter	.38	1107.78
June	1, 1885	Long Island	58.97	1166.75
June	1, 1885	Long Island	2.00	1168.75
June	1, 1885	Ross & Rand	2.83	1171.58
June	1, 1885	Farmers Friend	7.26	1178.84
June	1, 1885	Rudy	5.24	1184.08
June	1, 1885	Steele	50.54	1234.62
June	1, 1885	Butler Island	3.70	1238.32
June	1, 1885	Osgood	6.98	1245.30
June	1, 1885	White	109.32	1354.62
June	1, 1885	West Labelle	30.00	1384.62
June	1, 1885	Reid	9.00	1393.62
June	1, 1885	Lenroot	48	1441.62
June	1, 1885	East Labelle	100	1541.62
June	1, 1885	Parks & Lewisville	48	1589.62
June	1, 1885	Texas Feeder		

DATE		CANAL OR PARTY	AMOUNT	ACCUM. AMOUNT
June 1,	1885	Riverside		
June 10,	1885	Steele	10	1599.62
June 10,	1885	Harrison	1	1600.62
June 15,	1885	Rigby	13.40	1614.02
June 30,	1885	Parsons	10	1624.02
Jan. 7,	1886	Great Western & Porter	22	1646.02
May 1,	1886	Kennedy & Burgraff	120	1766.02
May 3,	1886	Wearyrick	2.75	1768.77
June 1,	1886	Kennedy & Burgraff	38	1806.77
June 1,	1886	Harrison	3.35	1810.12
June 1,	1886	Long Island	.64	1810.76
June 1,	1886	Hill-Pettinger	50.86	1869.62
June 1,	1886	Reid	.24	1869.86
June 1,	1886	Rudy	40	1909.86
June 1,	1886	Great Western & Porter	2	1911.86
June 1,	1886	Texas Feeder	2.64	1914.50
June 1,	1886	Island	50	1964.50
June 1,	1886	Watson Slough	14.76	1979.26
June 1,	1886	Burgess	1.60	1980.86
June 10,	1886	Rigby	10	1990.86
June 15,	1886	Danskin	10	2000.86
July 23,	1886	Wearyrick	100	2100.86
June 1,	1887	Burgess	9.36	2110.22
June 1,	1887	Farmers Friend	.80	2111.02
June 1,	1887	Kennedy & Burgraff	13.18	2124.20
June 1,	1887	Harrison	1.25	2125.45
June 1,	1887	Great Western & Porter	12.40	2137.85
June 1,	1887	Osgood	9.36	2147.21
June 1,	1887	Island	1.64	2148.85
June 1,	1887	Mattson-Craig	29.52	2178.37
June 1,	1887	Nelson-Corey	4.80	2183.17
June 1,	1887	Texas Feeder	12	2195.17
June 1,	1887	Hill-Pettinger	38	2233.17
June 1,	1887	Riverside	.48	2233.65
June 10,	1887	Burgess	99.35	2333.00
June 15,	1887	Rigby	10	2343.00
Jan. 18,	1888	Farmers Friend	20	2363.00
May 1,	1888	Kennedy & Burgraff	300	2663.00
May 13,	1888	Watson Slough	1	2664.00
June 1,	1888	Wearyrick	3.20	2667.20
June 1,	1888	Ellis	1.20	2668.40
June 1,	1888	Bramwell	4.60	2673.00
June 1,	1888	Mattson-Craig	10.60	2683.60
June 1,	1888	Farmers-Friend	2.40	2686.00
June 1,	1888	Kennedy & Burgraff	21.04	2707.44
June 1,	1888	Great Western & Porter	2.07	2709.51
June 1,	1888	Island	1.31	2710.82
June 1,	1888	Riverside	29.16	2739.98
June 1,	1888	Steele	1.22	2741.20
June 1,	1888	Ross & Rand	2.00	2743.20
June 1,	1888	Rudy	3.34	2746.54
June 1,	1888		2.00	2748.54

<u>DATE</u>	<u>CANAL OR PARTY</u>	<u>AMOUNT</u>	<u>ACCUM. AMOUNT</u>
June 1, 1888	Harrison	32.12	2780.66
June 1, 1888	Parks & Lewisville	211.12	2991.78
June 1, 1888	Texas Feeder	38	3029.78
June 1, 1888	East Labelle	78	3107.78
June 1, 1888	Danskin	80	3187.78
June 1, 1888	Burgess	.61	3188.39
June 1, 1888	Hill-Pettinger	.48	3188.87
June 10, 1888	Burgess	380	3568.87
June 15, 1888	Rigby	120	3688.87
June 15, 1888	Wearyrick	3.20	3692.07
June 15, 1888	Peoples	16.60	3708.67
July 15, 1888	Watson Slough	30.20	3738.87
Aug. 13, 1888	Boomer	260	3998.87
Aug. 13, 1888	Idaho	40	4038.87
Aug. 13, 1888	Rudy	100	4138.87
Jan. 12, 1889	Kennedy & Burgraff	5	4143.87
Mar. 1, 1889	New Lava Side	60	4203.87
Apr. 6, 1889	Snake River Valley	200	4403.87
Apr. 15, 1889	Anderson, E.R. & Willow Creek	300	4703.87
May 1, 1889	Kennedy & Burgraff	3.20	4707.07
May 1, 1889	Osgood	6.92	4713.99
May 1, 1889	Corbett-Slough	109.43	4823.42
May 11, 1889	Idaho	700	5523.42
June 1, 1889	Kennedy & Burgraff	.25	5523.67
June 1, 1889	Osgood	1.21	5524.88
June 1, 1889	Harrison	4.49	5529.37
June 1, 1889	Island	19.44	5548.81
June 1, 1889	Wearyrick	1.60	5550.41
June 1, 1889	Texas Feeder	38	5588.41
June 1, 1889	Riverside	1.59	5590.00
June 1, 1889	Consolidated Feeder	44	5634.00
June 1, 1889	Reid	80	5714.00
June 1, 1889	Rudy	30	5744.00
June 1, 1889	Hill-Pettinger	.32	5744.32
June 1, 1889	Lenroot	6.00	5750.32
June 1, 1889	Farmers Friend	9.19	5759.51
June 1, 1889	Great Western & Porter	1.35	5760.86
June 1, 1889	Cheney	6.00	5766.86
June 2, 1889	Kennedy & Burgraff	6.13	5772.99
July 10, 1889	Great Western & Porter	14.00	5786.99
July 10, 1889	Osgood	9.68	5796.67
July 10, 1889	Blackfoot	366.80	6163.47
July 10, 1889	Reservation	15.98	6179.45
Feb. 21, 1890	Smith-Maxwell	1.02	6181.27
Feb. 21, 1890	Lowder & Jennings	26	6207.27
June 1, 1890	Kennedy & Burgraff	4.59	6211.86
June 1, 1890	Trego	65.41	6277.27
June 1, 1890	Steele	.80	6278.07

DATE	CANAL OR PARTY	AMOUNT	ACCUM. AMOUNT
June 1, 1890	Kite & Nord	8.80	6286.87
June 10, 1890	Burgess	240	6526.87
June 10, 1890	Kennedy & Burgraff	2.67	6529.54
July 12, 1890	Harrison	240	6769.54
Oct. 16, 1890	Osgood	10.60	6780.14
Oct. 16, 1890	Butte & Market Lake	366.40	7146.54
Nov. 24, 1890	New Lava Side	72	7218.54
Jan. 24, 1891	Great Western & Porter	400	7618.54
June 1, 1891	Consolidated Feeder	30	7648.54
June 1, 1891	Texas Feeder	14	7662.54
June 1, 1891	Island	163.56	7826.10
June 1, 1891	Lenroot	15	7841.10
June 1, 1891	Hill-Pettinger	1.44	7842.54
June 1, 1891	Arnsberger	6.00	7848.54
June 1, 1891	Nelson-Corey	4.80	7853.34
Dec. 14, 1891	Reservation	600	8453.34
May 1, 1892	Corbett Slough	130	8583.34
June 1, 1892	Lowder & Jennings	26	8609.34
June 1, 1892	Texas Feeder	14	8623.34
June 1, 1892	Lenroot	5	8628.34
Apr. 30, 1893	Woodville	85.50	8713.84
June 1, 1893	Texas Feeder	14	8727.84
June 1, 1894	Texas Feeder	14	8741.84
June 1, 1894	Dilts	28	8769.84
Aug. 18, 1894	Peoples	400	9169.84
Jan. 9, 1895	Harrison	160	9329.84
Feb. 6, 1895	Aberdeen-Springfield	1250	10579.84
Mar. 22, 1895	Enterprise	120	10699.84
Apr. 1, 1895	Schodde	2	10701.84
June 1, 1895	Burgess	160	10861.84
June 1, 1895	Texas Feeder	12	10873.84
June 1, 1896	Bear Island	3.50	10877.34
July 9, 1896	Snake River Valley	400	11277.34
Apr. 15, 1898	Enterprise	68	11345.34
June 1, 1899	Lenroot	76	11421.34
Apr. 20, 1900	City of Idaho Falls	140	11561.34
Apr. 30, 1900	Mattson-Craig	12.96	11574.30
Apr. 30, 1900	Nelson	4.75	11579.05
June 1, 1900	Rudy	14	11593.05
June 6, 1900	Woodville	40	11633.05
June 16, 1900	Osgood	100	11733.05
June 16, 1900	Taylor & Goshen	46	11779.05
Oct. 11, 1900	Twin Falls Canal Co.	3000	14779.05
Oct. 11, 1900	North Side Canal Co.	400	15179.05
Apr. 14, 1902	Consolidated Feeder	140	15319.05
May 1, 1902	Heise	5.60	15324.65
June 1, 1902	Trego	4.00	15328.65
June 1, 1902	Riley	24	15352.85
June 1, 1902	Hill-Pettinger	3	15355.85
Mar. 22, 1903	U.S.B.R. (Minidoka)	1728	17081.85
June 1, 1903	Hill-Pettinger	10	17091.85
June 1, 1903	Lenroot	100	17191.85
Sept. 1, 1903	Snake River Valley	110	17301.85

DATE	CANAL OR PARTY	AMOUNT	ACCUM. AMOUNT
Oct. 22, 1904	City of Idaho Falls		
June 1, 1905	Rudy	48	17349.65
June 1, 1905	Great Western & Porter	36	17385.65
June 7, 1905	North Side Canal Co.	17.54	17403.19
June 16, 1908	North Side Canal Co.	2250	19653.19
Aug. 6, 1908	U. S. B. R. (Minidoka)	350	20003.19
Aug. 12, 1908	Great Western & Porter	1000	21003.19
July 15, 1915	Great Western & Porter	3.47	21006.66
Dec. 22, 1915	Twin Falls Canal Co.	7.88	21014.54
Dec. 23, 1915	North Side Canal Co.	600	21614.54
Jan. 22, 1916	Parsons	300	21914.54
Jan. 22, 1916	Watson Slough	18	21932.54
Jan. 22, 1916	Wearyrick	36	21968.54
Jan. 22, 1916	Trego	30	21998.54
Jan. 22, 1916	Danskin	18	22016.54
Jan. 22, 1916	Riverside	20	22036.54
Jan. 22, 1916	Peoples	30	22066.54
Jan. 22, 1916	New Lava Side	200	22266.54
Jan. 22, 1916	Snake River Valley	30	22296.54
Jan. 22, 1916	Woodville	68	22364.54
Jan. 22, 1916	Porter & Great Western	38	22402.54
Jan. 22, 1916	Ellis	145	22547.54
Jan. 22, 1916	White	2	22549.54
Jan. 22, 1916	North Rigby	10	22559.54
Jan. 22, 1916	Parks & Lewisville	30	22589.54
Jan. 22, 1916	West Labelle	84	22673.54
Jan. 22, 1916	Dilts	28	22701.54
Jan. 22, 1916	Rigby	10	22711.54
Jan. 22, 1916	Texas Feeder	98	22809.54
Jan. 22, 1916	Reid	32	22841.54
Jan. 22, 1916	Last Labelle	40	22881.54
Jan. 22, 1916	Lowder & Jennings	26	22907.54
Jan. 22, 1916	Clark & Edwards	33	22940.54
Jan. 22, 1916	Burgess	30	22970.54
Jan. 22, 1916	Kite & Nord	200	23170.54
Jan. 22, 1916	Rudy	5	23175.54
Jan. 22, 1916	Cheney	120	23295.54
Jan. 22, 1916	Harrison	8	23303.54
Jan. 22, 1916	Ross & Rand	96	23399.54
Jan. 22, 1916	Butler Island	2.80	23402.34
Jan. 22, 1916	Arnsberger	10	23412.34
Jan. 22, 1916	Mattson-Craig	3	23415.34
Jan. 22, 1916	Enterprise	14	23429.34
Jan. 22, 1916	Farmers Friend	62	23491.34
Jan. 22, 1916	Anderson, E. R. & Willow C.	160	23651.34
Jan. 22, 1916	Riley	300	23951.34
Jan. 22, 1916	Milner Low Lift	12	23963.34
Nov. 14, 1916	U. S. B. R. (New Divisions)	135	24098.34
Mar. 13, 1921		8000	32098.34

PRINCIPAL WATER RIGHTS HENRY'S FUR & FALL RIVER
(Listed in downstream order)

PARTY OR CANAL Diversions from Fall River	Date	DECREET Amt. in Sec.ft.	Older
1. Yellowstone	Nov. 5, 1895	25.0	
	May 1, 1906	100	0
	Total	125	25
2. Harrigfeld	Aug. 4, 1900	60	
	May 1, 1906	80	0
	Total	140	60
3. Marysville	Nov. 5, 1895	305	0
4. Farmers Own			
L. J. Maurer	June 1, 1892	3.00	0
A. P. Crabb	June 1, 1892	1.40	3.00
L. J. Maurer	June 1, 1894	3.00	4.40
Farmers Own	Apr. 1, 1896	34	7.40
Farmers Own	May 1, 1904	12	41.40
Farmers Own	May 1, 1905	40	53.40
	Total	93.40	
5. Conant Creek Canal Company	May 1, 1901	20	0
6. Almy	Sept. 24, 1900	3.00	0
7. Enterprise I. D.	June 12, 1903	140.2	
	Jan. 22, 1916	30	140.2
	Total	170.2	
8. Bell	Sept. 26, 1889	5.20	0
9. Fall River (After July 1, 360)	June 1, 1889	460.0	0
10. McBee-Seeley Bros.	June 1, 1891	3.60	0
	June 1, 1894	3.00	3.60
M. L. Mitchell	June 1, 1894	5.00	6.60
C. H. Moon	May 10, 1895	3.00	11.60
L. Loyd	June 1, 1896	2.00	14.60
Smith	July 16, 1902	16.60	
	Total		0
		.60	.60
11. Chester-J. Hathaway	Jun. 10, 1887	112	
Chester Irrig.	April 1, 1896	112.60	
	Total		
			0
12. Silkey		2.00	2.00
Drake	June 1, 1890	5.00	16.00
Silkey	June 1, 1890	5.20	21.20
Farnsworth	June 1, 1890	5.50	26.70
Sundberg	June 1, 1890	0.60	
G. B. West	June 1, 1903	27.30	
	Total		

PARTY OR CASH

	Date	DECREASE Amt. in Sec.ft.	Older
13. Curr - O.L.Wilson	June 10, 1887		
R. Humphrey	June 10, 1887	2.40	0
J. Hathaway	June 10, 1887	4.80	2.40
W. Hathaway	June 10, 1887	3.50	7.20
Jos. Curr	June 10, 1887	4.80	10.70
H. Y. Brown	June 1, 1888	4.80	15.50
A. T. Farnsworth	June 1, 1888	2.40	20.30
H. T. White	June 1, 1888	2.40	22.70
A.T. & R.J.Farnsworth	June 1, 1889	2.40	25.10
H. T. White	June 1, 1890	4.00	27.50
Alma Blanchard	June 1, 1890	2.40	31.50
J. J. Brown	June 1, 1891	2.40	33.90
Alma Blanchard	June 1, 1892	4.80	36.30
A.E. & R.J.Farnsworth	June 1, 1892	2.40	41.10
		4.00	43.50
	Total	47.50	
Diversions from Henry's Fork			
14. Island Park	June 15, 1889	10.00	0
	June 1, 1891	30.00	10.00
	June 1, 1893	10.00	40.00
	Total	50.00	
15. Z. Sandberg (Black Spgs. Cr.)	June 1, 1894	1.20	0.00
16. Dewey	May 15, 1898	37.20	0
17. Last Chance (After Jul.1, 120)	Feb. 9, 1897	225	0
18. St. Anthony Union July 2-16, 500) " 17-31, 600) After Aug. 1, 500)	June 21, 1888	600	0
	July 29, 1892	100	600
	Total	700	
19. Farmers Friend (After Jul.1, 160)	Feb. 5, 1902	240	0
	Jan. 22, 1916	47	240
	Total	287	
20. Twin Groves	June 1, 1892	150	0
	Jan. 22, 1916	30	150
	Total	180	
21. Salem Union (After Jul.1, 240)	April 26, 1898	300	0
		10	0
22. Hoff	Apr. 12, 1896		

PARTY OR CANAL

	Date	DEGREE Amt. in Sec. ft.	Older
23. Egin Irrig. Co.	Apr. 25, 1885		
Jul. 2-16, 100)		200	0
Jul. 17-31, 200)	Mar. 1, 1890	200	200
After Aug. 1, 100)			
Total		400	
24. Independent			
Jul. 1-15, 360)			
Jul. 16-31, 400)	June 14, 1895	400	0
After " 31, 360)			
25. Consolidated Farmers	June 1, 1890	80	0
	June 1, 1892	120	80
	June 1, 1895	55	200
	Jan. 22, 1916	78	255
Total		333	

HENRY'S FORK & FALL RIVER
(Listed according to Priority)

Date	Party or Canal	Amount	Accum. Amount
April 25, 1885	Egin Irrigation Co.	200	200
June 10, 1887	Chester	.60	200.60
June 10, 1887	Curr	20.30	220.90
June 1, 1888	Curr	7.20	228.10
June 21, 1888	St. Anthony Union	*600	828.10
	*(Jul. 2-12, 500; July 17-31, 600; after Aug. 1, 500)	4	832.10
June 1, 1889	Curr	*460	1292.10
June 1, 1889	Fall River Canal		
	(*After July 1, 360)	10	1302.10
June 15, 1889	Island Park	5.20	1307.30
Sept. 26, 1889	Bell	*200	1507.30
Mar. 1, 1890	Egin Irrig. Co.		
	*(Jul. 2-16, 100; Jul. 17-31, 200; after Aug. 1, 100)	4.90	1512.10
June 1, 1890	Curr	26.70	1538.80
June 1, 1890	Silkey	80	1618.80
June 1, 1890	Consolidated Farmers	30	1648.80
June 1, 1891	Island Park	4.80	1653.60
June 1, 1891	Curr	3.60	1657.20
June 1, 1891	McBee	*300	1957.20
Apr. 28, 1892	Salem Union		
	*(After July 1, 240)	120	2077.20
June 1, 1892	Consolidated Farmers	150	2227.20
June 1, 1892	Twin Groves	4.40	2231.60
June 1, 1892	Farmers Own	6.40	2238.00
June 1, 1892	Curr	100	2338.00
June 29, 1892	St. Anthony Union	10	2348.00
June 1, 1893	Island Park	1.20	2349.20
June 1, 1894	L. Sandberg		

Date		Party or Canal	Amount	Accum. Amount
June 1, 1894		Farmers Own		
June 1, 1894		McBee	3.00	2352.20
June 10, 1895		McBee	3.00	2355.20
June 1, 1895		Consolidated Farmers	5.00	2360.20
June 14, 1895		Independent	55.00	2415.20
		*(Jul. 2-16, 360; Jul. 16-31, 400; after Jul. 31, 360)	*400	2815.20
Nov. 5, 1895		Yellowstone	25	2840.20
Nov. 5, 1895		Marysville	305	3145.20
Apr. 1, 1896		Chester	112	3257.20
Apr. 1, 1896		Farmers Own	34	3291.20
Apr. 18, 1896		Hoff	10	3301.20
June 1, 1896		McBee	3	3304.20
Feb. 9, 1897		Last Chance Canal	*225	3529.20
		*(After July 1, 120)		
May 15, 1898		Dewey	37.20	3566.40
Aug. 4, 1900		Harrigfeld	60	3626.40
Sept. 24, 1900		Almy	3	3629.40
May 1, 1901		Conant Creek	20	3649.40
Feb. 5, 1902		Farmers Friend	240	3889.40
July 16, 1902		McBee	2	3891.40
June 1, 1903		Silkey	0.60	3892.00
June 12, 1903		Enterprise	140.20	4032.20
May 1, 1904		Farmers Own	12.0	4044.20
May 1, 1905		Farmers Own	40.0	4084.20
May 1, 1906		Harrigfeld	80.0	4164.20
May 1, 1906		Yellowstone	100	4264.20
Jan. 22, 1916		Consolidated Farmers	78	4342.20
Jan. 22, 1916		Twin Groves	30	4372.20
Jan. 22, 1916		Farmers Friend	47	4419.20
Jan. 22, 1916		Enterprise	30	4449.20

PRINCIPAL WATER RIGHTS OF LOWER TETON RIVER
(Listed in downstream order)

PARTY OR CANAL	Date	DECREES Amt. in Sec.ft.	Older
1. Peaceful Valley	June 7, 1909	20	0
2. Canyon Creek	June 1, 1900	16	0
	June 1, 1902	54	16
	Total	70	
3. Hague	Mar. 25, 1901	2	0
4. Siddoway	July 1, 1891	6	0
(Teton Irrig. & Mfg. Co., Siddoway I. & Mfg. Co.)	July 1, 1892 (After " 1, only)	7.68	6.
	April 1, 1898	15.32	13.68
	Total	29.00	
5. Wilford			
Wilford Irrig. & Mfg. Co.	June 1, 1884	67.84	0
	April 1, 1898	132.16	67.84
	Total	200.00	
6. Teton Irrig. Co.	June 1, 1884	120	0
	Oct. 2, 1889	10	120
	Total	130	
7. Good Luck	June 1, 1884	10	0
	Apr. 1, 1898	26	10
	Total	36	
8. Pioneer	May 1, 1883	10.56	0
	Apr. 1, 1898	16.00	10.56
	Total	26.56	
9. Stewart - Supplemental		4.00	0
T.F. Roche & L.C. Rice	May 4, 1883	5.00	4.00
Stewart Estate	June 1, 1884	10.00	9.00
" " "	Apr. 1, 1898		19.00
Supplemental T.F. Roche-L.C. Rice	April 1, 1898	8.00	
	Total	27.00	
		7.12	0
		14.0	7.12
10. Pincock-Byington	May 1, 1884	21.12	
	April 1, 1898		
	Total		
11. Pincock-Garner		8.88	0
M.L. Bird, F.W. Garner,	May 1, 1884	16.00	8.88
G.A. Pincock	Mar. 1, 1898	3.20	24.88
" " "	April 1, 1898		
H. J. Clark	May 15, 1898	26.08	
	Total		

PARTY OR CANAL

	<u>Date</u>	<u>DECREASE</u> <u>Amt. in Sec.ft.</u>	<u>Older</u>
12. Teton Island Feeder			
" " canal			
Hill Ditch Co.	Mar. 1, 1883		
Teton Island Canal	May 1, 1884	10.36	0
Wolf Ditch Co.	May 22, 1884	6.96	10.36
Nelson-Jacobs ditch	June 1, 1884	70.00	17.32
D. Nelson		25.30	87.32
Windmill, Withers & Young	May 1, 1885	4.32	112.62
Salem I. Canal Co.	May 31, 1885	4.32	116.94
Walters, (Stewart & Walters Ditch)	June 1, 1885	240	121.26
Mortensen, (Nelson-Jacobs Ditch)	June 1, 1888	3.36	361.26
Teton Island Canal	May 1, 1889	2.24	364.62
Hill Ditch Co.	April 1, 1898	159.64	366.86
Windmill, Withers & Young	April 1, 1898	12	526.50
Walters, (Stewart & Walters Ditch)	April 1, 1898	8.68	538.50
Mortensen, (Nelson-Jacobs Ditch)	April 1, 1898	6.64	547.18
Nelson, (Nelson-Jacobs Ditch)	April 1, 1898	4.36	553.82
Wolf Ditch Co.	April 1, 1898	8.68	558.18
	April 1, 1898	46.70	566.86
	Total	613.56	
13. North Salem	June 1, 1888	26.50	0
Until July 1, only			
14. Roxana	June 1, 1885	16.0	0
	Jan. 22, 1916	26.0	16
	Total	42.0	
15. Island Ward	Jan. 23, 1901	100	0
(North Fork Teton River)			
16. Woodmansee-Johnson			0
M.L. Nave	June 1, 1886	.50	.50
Woodmansee-Johnson	Oct. 1, 1889	orig. Dec. 12.40	---
" " Suppl.	Oct. 1, 1889	9.00	21.90
Clark & Houghton	June 1, 1891	3.20	25.10
Alfred Ricks	June 1, 1894	.20	25.30
W. J. Huskinson	Apr. 20, 1896	.40	25.70
John S. James	July 15, 1896	.50	26.20
" " "	Apr. 1, 1898	1.00	27.20
Clark & Houghton	Apr. 1, 1898	4.00	31.20
Woodmansee-Johnson	Apr. 1, 1898	27.60	58.80
W. J. Huskinson	Apr. 1, 1898	1.00	
	Total	59.80	

PARTY OR CANAL

	<u>Date</u>	<u>DEGREE</u> <u>Amt. in Sec.ft.</u>	<u>Older</u>
17. McCormick-Rowe			
Rueben M. Rowe	June 1, 1879	2.20	0
Morris-McCormick	" 1, 1879	2.20	2.20
Rueben H. Rowe	Apr. 1, 1898	8.60	4.40
Total		13.00	
18. City of Rexburg			
	June 10, 1883	27.00	0
	Apr. 1, 1898	33.00	27.0
Total		60.00	
19. Rexburg Irrig.			
	June 10, 1883	130.00	0
	Apr. 1, 1898	170	130
Total		300	
20. N. P. Hansen	May 15, 1883	3.20	
(Sold to Lee Burrows)			

LOWER TETON RIVER

(Listed according to Priorities)

<u>Date</u>	<u>Party or Canal</u>	<u>Amount</u>	<u>Accum.</u> <u>Amount</u>
June 1, 1879	McCormick-Rowe	4.40	4.40
Mar. 1, 1883	Teton Island Feeder	10.36	14.76
May 1, 1883	Stewart	4.00	18.76
May 1, 1883	Pioneer	10.56	29.32
May 15, 1883	N. P. Hansen	3.20	32.52
June 10, 1883	City of Rexburg	27.00	59.52
June 10, 1883	Rexburg Irrig. Co.	130.00	189.52
Mar. 1, 1884	Pincock-Garner	8.88	198.40
Mar. 1, 1884	Pincock-Byington	7.12	205.52
May 1, 1884	Teton Island Feeder	6.96	212.48
May 22, 1884	Teton Island Feeder	70.00	282.48
June 1, 1884	Teton Island Feeder	25.30	307.78
June 1, 1884	Teton Island Feeder	5.00	312.78
June 1, 1884	Stewart	120.00	432.78
June 1, 1884	Teton Irrigation	10.00	442.78
June 1, 1884	Good Luck	67.84	510.62
June 1, 1884	Wilford	4.32	514.94
May 1, 1885	Teton Island Feeder	4.32	519.26
May 31, 1885	Teton Island Feeder	240.00	759.26
June 1, 1885	Teton Island Feeder	16.00	775.26
June 1, 1885	Roxana	0.50	775.76
June 1, 1886	Woodmansee-Johnson	26.50	802.26
June 1, 1888	North Salem	3.36	805.62
June 1, 1888	Teton Island Feeder	2.24	807.86
May 1, 1889	Teton Island Feeder	10.00	817.86
Oct. 2, 1889	Teton Irrigation	21.40	839.26
Oct. 1, 1889	Woodmansee-Johnson		

LOWER TETON RIVER
(Listed according to Priorities)

<u>Date</u>	<u>Party or Canal</u>	<u>Amount</u>	<u>Accum. Amount</u>
June 1, 1891	Woodmansee-Johnson		
July 1, 1891	Siddoway	3.20	842.46
June 1, 1892	Siddoway	6.00	848.46
		7.68*	856.14
	*(After July 1, only)		
June 1, 1894	Woodmansee-Johnson	.20	856.34
Apr. 20, 1896	Woodmansee-Johnson	.40	856.74
July 15, 1896	Woodmansee-Johnson	.50	857.24
Apr. 1, 1898	Woodmansee-Johnson	1.00	858.24
Apr. 1, 1898	Teton Island Feeder	246.70	1104.94
Apr. 1, 1898	Pincock-Byington	14	1118.94
Apr. 1, 1898	Rexburg Irrigation Co.	170	1288.94
Apr. 1, 1898	City of Rexburg	33	1321.94
Apr. 1, 1898	Woodmansee-Johnson	33.60	1355.54
Apr. 1, 1898	Pincock-Garner	16	1371.54
Apr. 1, 1898	Stewart	18	1389.54
Apr. 1, 1898	Pioneer	18	1407.54
Apr. 1, 1898	Good Luck	26	1433.54
Apr. 1, 1898	Wilford	132.16	1565.70
Apr. 1, 1898	McCormick-Rowe	8.60	1574.30
April 1, 1898	Siddoway	15.32	1589.62
May 15, 1898	Pincock-Garner	3.20	1592.82
June 1, 1900	Canyon Creek	16	1608.82
Jan. 23, 1901	Island Ward	100	1708.82
Mar. 25, 1901	Hague	2	1710.82
June 1, 1902	Canyon Creek	54	1764.82
June 7, 1909	Peaceful Valley	20	1784.82
Jan. 22, 1916	Roxana	26	1810.82

71.
STORAGE RIGHTS
Acre-feet

CANAL	JACKSON LAKE	AMERICAN FALLS	
		Permanent Right	Additional Lease 1932-35, Incl.
Riley (Poplar Dist.)	1200	793	370 (a)
Progressive Irrig. D.	0	14609	6822
Farmers Friend	2000	0	0
Enterprise Canal Co.	6100	10509	4908 (b)
Harrison Canal Co.	5000	11994	5601
Idaho Irrig. District	0	26986	12602
Rudy Canal Co.	2000	2000	934 (c)
Burgess Canal Co.	5120	7496	3501
Lowder & Jennings	1040	0	0
Consolidated Feeder	4000	0	0
Lenroot Canal Co.	3000	4504	2103
Reid Canal Co.	0	3002	1402
Dilts Canal Co.	0	1034	483
Enterprise Irrig. District	0	12000	5604
Butte & Market Lake	0	3002	1402
Osgood Canal	0	15852	7403
Kennedy & Burgraff	355	0	0
New Sweden Irrig. District	5000	28528	13322
Martin Canal Co.	1500	2250	1050
Bear Island	0	225	105
C. D. Smith	0	79	37
Woodville Canal Co.	0	9000	4200
Snake River Valley	15000	27643	12909
Blackfoot Canal Co.	0	15033	7020 (d)
Peoples Canal Co.	8000	22519	10516
Aberdeen-Springfield	42685	41333	19306 (e)
Corbett Slough Co.	0	4000	1868
Trego Canal Co.	0	1462	683
Minidoka Irrig. District	186030	50000	23350
Burley Irrig. District	139780	0	50000
Milner Low Lift District	0	34113	15931 (f)
Twin Falls Canal Co.	97183	151185	70605
Hillsdale Irrig. District	0	41146	19215
North Side Canal Co.	322007	270832	130215 (g)
American Falls D. surplus	0	278	128
Idaho Power Co.	0	45000	0
Gooding Project	0	400000	0
Total	647000	1266407	433593

- (a) Does not include assignment from Enterprise Canal Co. of 900 ac.ft. to Riley and 900 ac.ft. to Rudy.
 (b) Assigned 900 ac.ft. of this lease to Enterprise Canal Co. of 900 ac.ft.
 (c) Does not include assignment from Enterprise Canal Co. of 900 ac.ft. to Aberdeen-Springfield Canal Co.
 (d) Assigned 2,020 ac.ft. of this lease to Blackfoot Canal Co.
 (e) Does not include assignment from North Side Canal Co.
 (f) Assigned 9,931 ac.ft. of this lease to Milner L. L. District.
 (g) Does not include assignment of 9,931 ac.ft. from Milner L. L. District.

HENRY'S LAKE RIGHTS

Reservoir capacity about 80,000 acre-feet of which about 4,300 acre-feet is unavailable until outlet channel is dredged.

CANAL

Marysville

% OWNERSHIP IN RESERVOIR

Dewey

4.1

Last Chance

3.06

St. Anthony Union

8.14

Salem Union

6.8

Egin

24.2

Independent

6.8

Consolidated Farmers

26.8

20.1

LAKE WALCOTT

Available capacity of about 97,000 acre-feet, all belonging to the Minidoka project.

EMMA MATILDA & TWO OTHER RESERVOIRS

These reservoirs usually yield about 1,800 acre-feet annually for use by the Utah-Idaho Sugar Company through the Osgood Canal. Their capacity, if filled, is reported to be about 5,000 acre-feet.

MAP SHOWING PRINCIPAL STREAMS AND GAGING STATIONS

SCALE 1" = 24 STATUTE MILES

- | NO. | STATION |
|-----|--|
| 1 | JACKSON LAKE AT MORAN WYO. |
| 2 | SNAKE RIVER NR. MORAN WYO. |
| 3 | SNAKE RIVER NR. HEISE, IDA. |
| 4 | GREAT FEEDER CANAL NR. RIRIE, IDA. |
| 5 | SNAKE RIVER AT LORENZO, IDA. |
| 6 | SNAKE RIVER NR. SHELLEY, IDA. |
| 7 | SNAKE RIVER NR. BLACKFOOT, IDAHO (BLACKFOOT BRIDGE) |
| 8 | SNAKE RIVER AT CLOUGH'S RANCH (formerly listed as nr. Blackfoot) |
| 9 | SNAKE RIVER AT NEELEY, IDA. |
| 10 | LAKE WALCOTT NR. MINIDOKA, IDA. |
| 11 | SNAKE RIVER NR. MINIDOKA, IDA. |
| 12 | NORTH SIDE MINIDOKA CANAL NR. MINIDOKA, IDA. |
| 13 | SOUTH SIDE MINIDOKA CANAL NR. MINIDOKA, IDA. |
| 14 | LAKE MILNER AT MILNER, IDA. |
| 15 | NORTH SIDE TWIN FALLS CANAL AT MILNER, IDA. |
| 16 | SOUTH SIDE TWIN FALLS CANAL AT MILNER, IDA. |
| 17 | SNAKE RIVER AT MILNER, IDAHO. |
| 18 | HENRY'S LAKE RESERVOIR NR. LAKE, IDA. |
| 19 | HENRY'S FORK NR. LAKE, IDA. |
| 20 | HENRY'S FORK NR. ASHTON, IDA. |
| 21 | HENRY'S FORK AT ST. ANTHONY, IDA. |
| 22 | HENRY'S FORK NR. REXBURG, IDA. |
| 23 | FALL RIVER NR. SQUIRREL, IDA. |
| 24 | FALL RIVER NR. CHESTER, IDA. |
| 25 | TETON RIVER NR. ST. ANTHONY, IDA. |
| 26 | BLACKFOOT RIVER NR. BLACKFOOT, IDA. |

AUXILIARY STATIONS

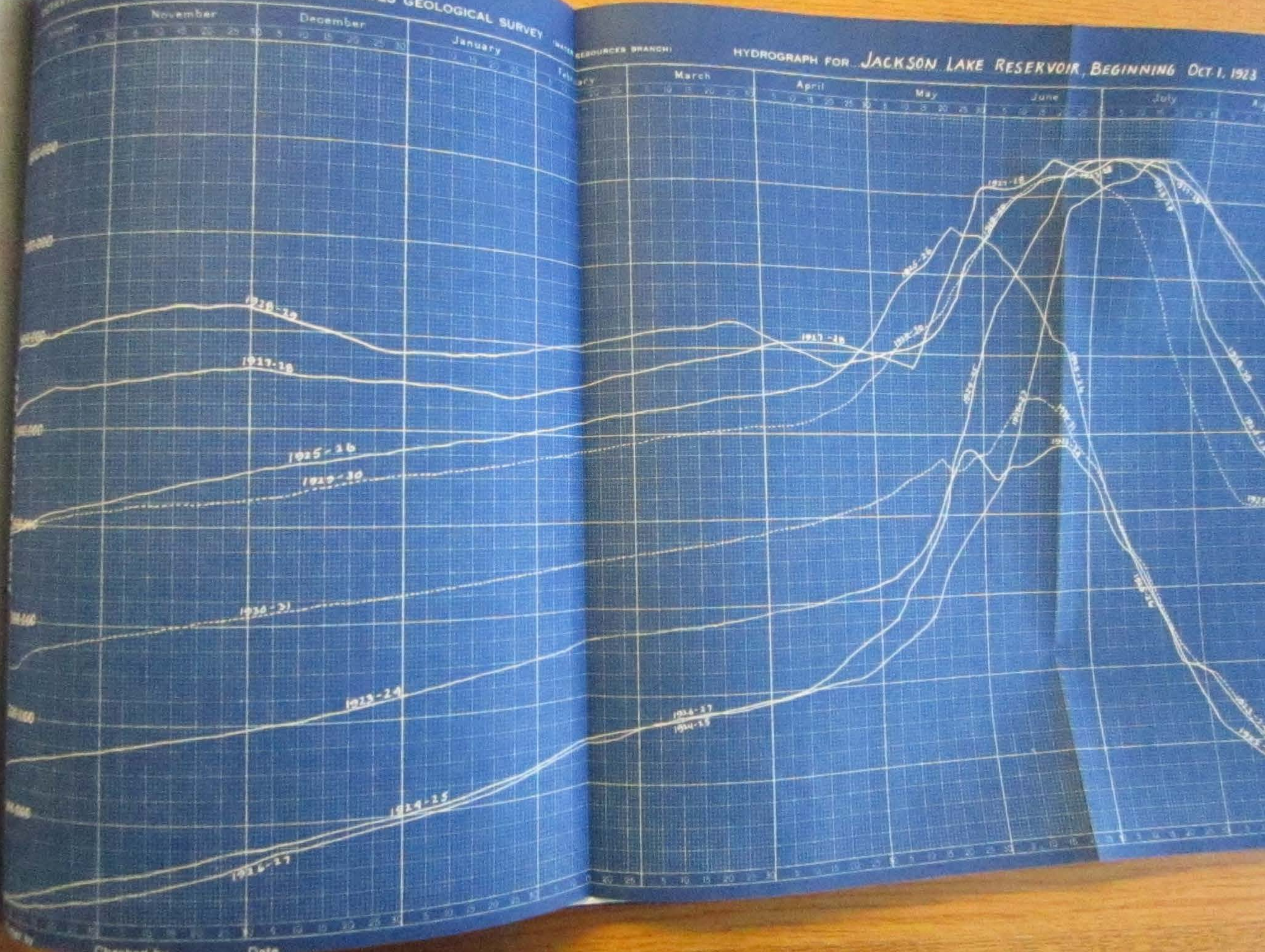
- | | |
|---|--|
| A | SNAKE RIVER AT SOUTH BOUNDARY YELLOWSTONE PARK |
| B | HENRY'S FORK AT WARM RIVER, IDA. |
| C | WARM RIVER AT WARM RIVER, IDA. |
| D | ROBINSON CREEK AT WARM RIVER, IDA. |
| E | PORT NEUF RIVER AT POCAHELLO, IDA. |
| F | SNAKE RIVER AT ROBERTSON RANCH |

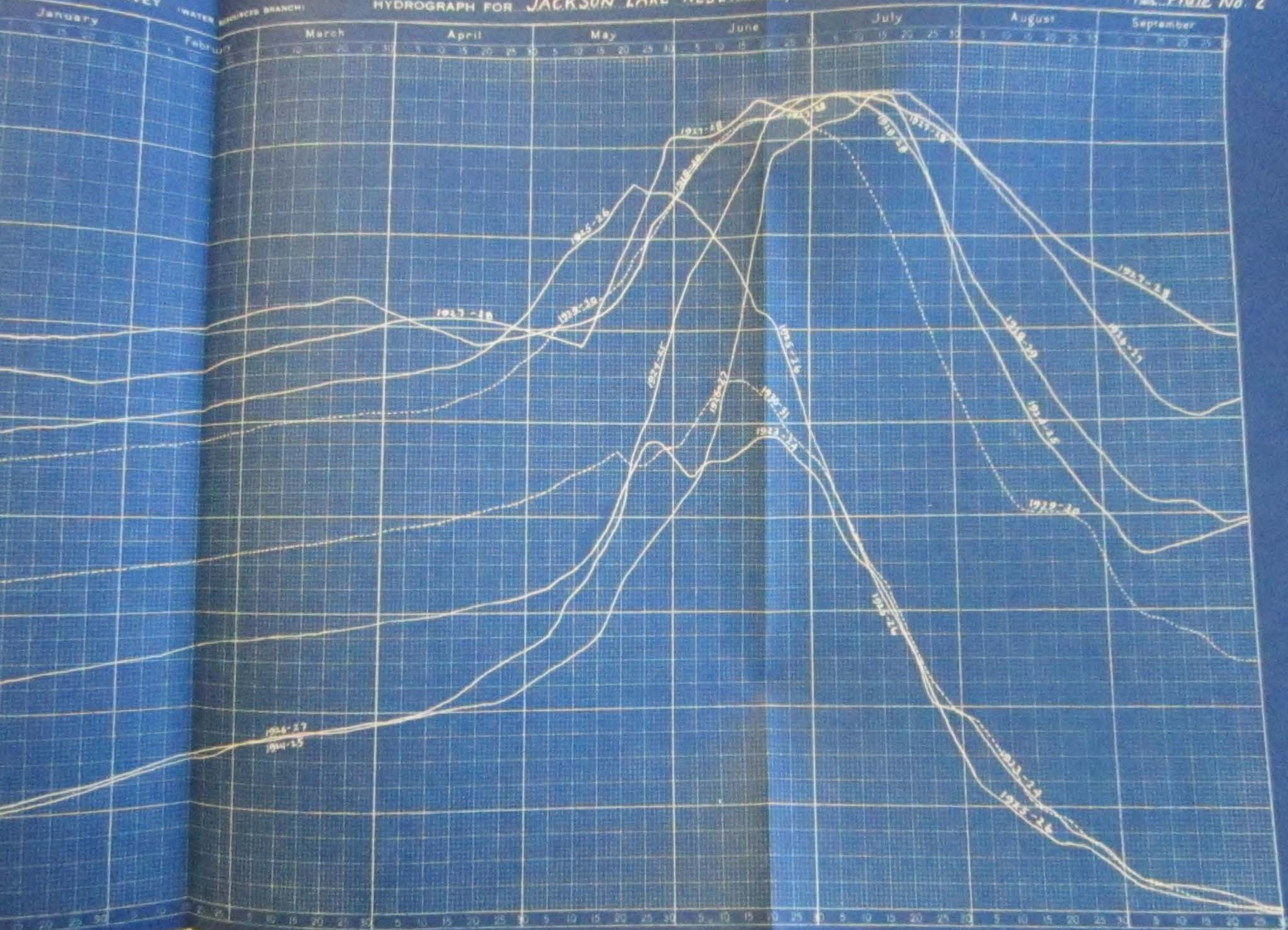
NEW REGULAR STATIONS

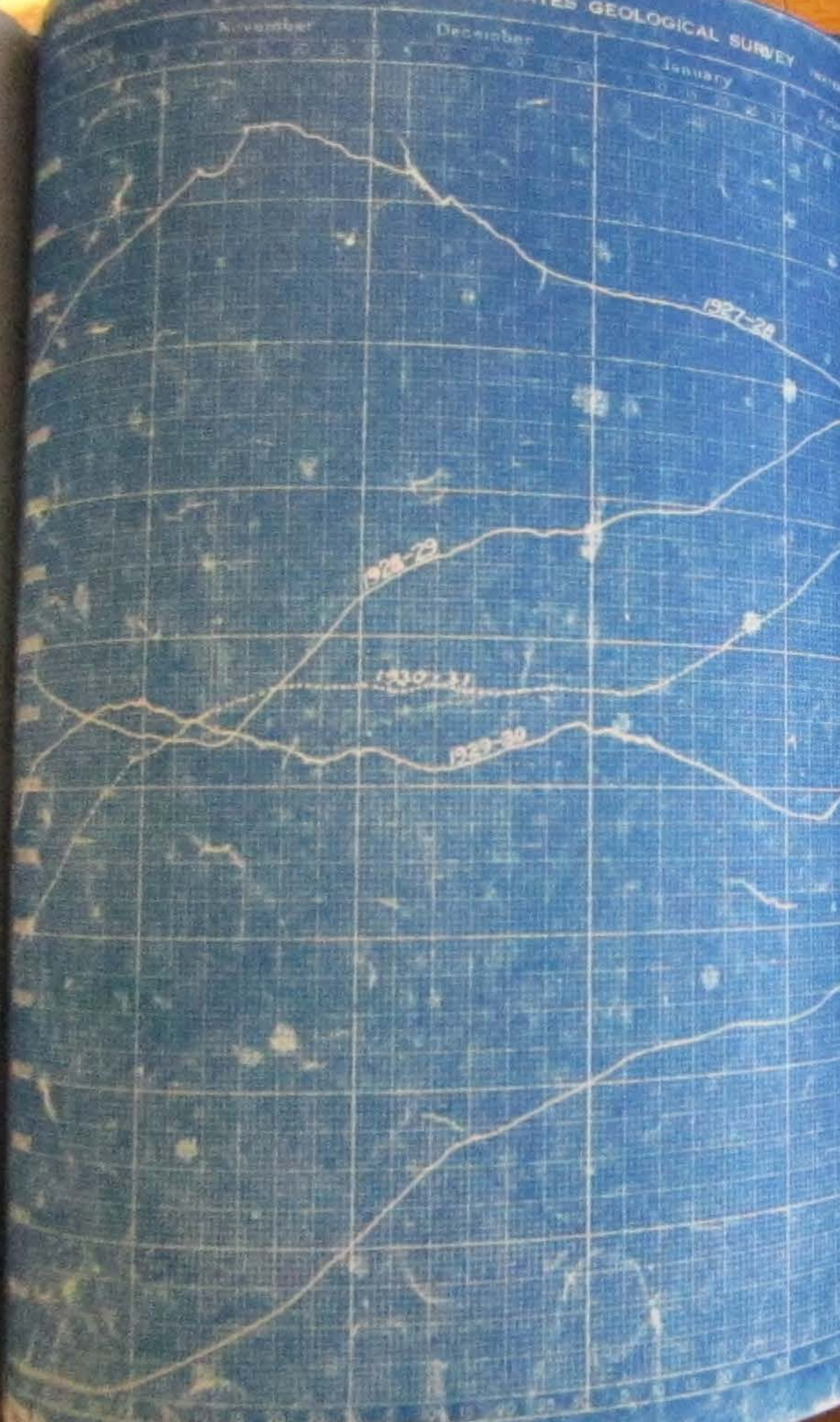
- | | |
|----|---|
| 27 | AMERICAN FALLS RESERVOIR AT AM. FALLS, IDA. |
| 28 | SNAKE RIVER AT AMERICAN FALLS, IDA. |



HYDROGRAPH FOR JACKSON LAKE RESERVOIR, BEGINNING OCT. 1, 1923







HYDROGRAPH FOR AMERICAN FALLS RESERVOIR, BEGINNING MARCH 1ST, 1926.

PLATE NO. III

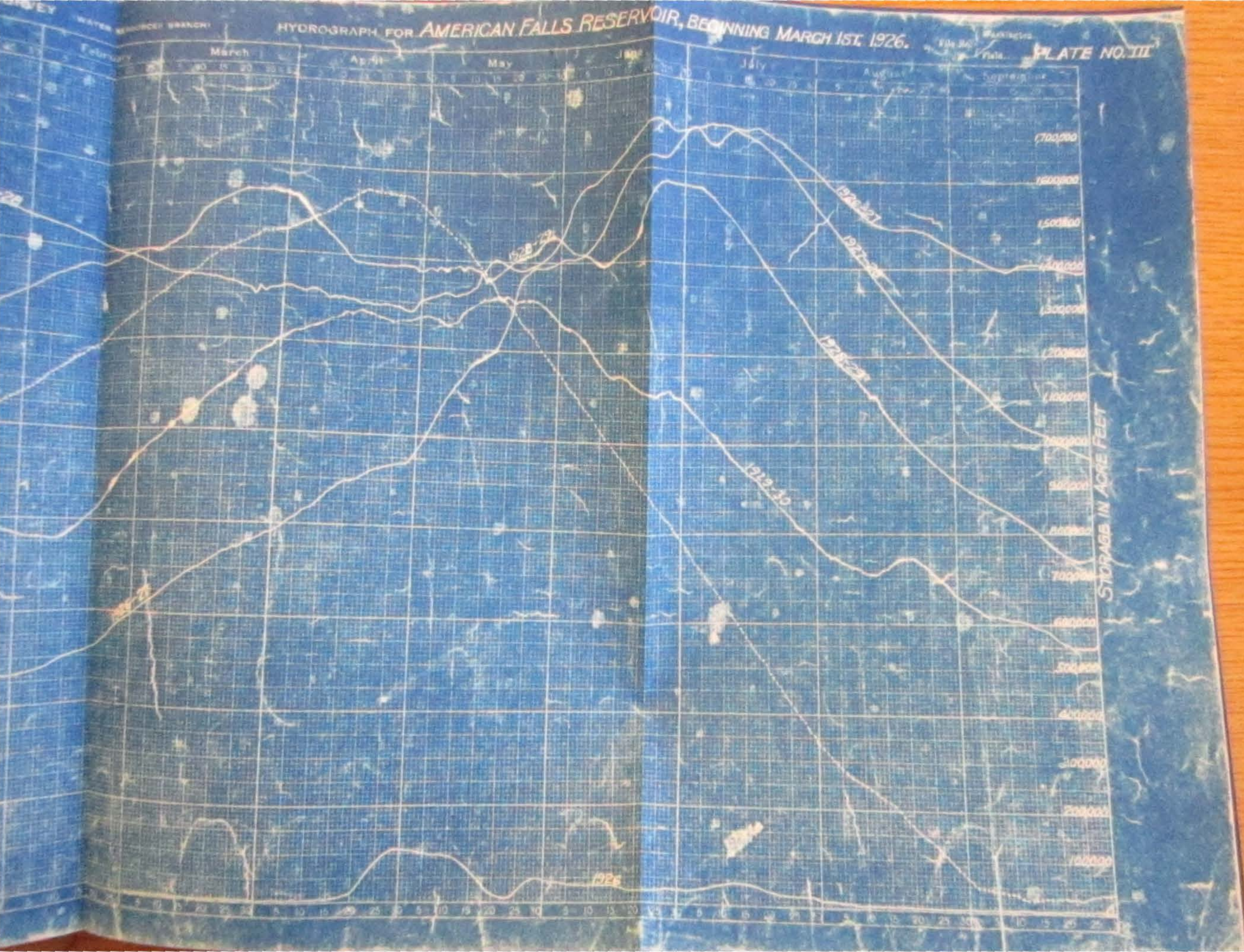
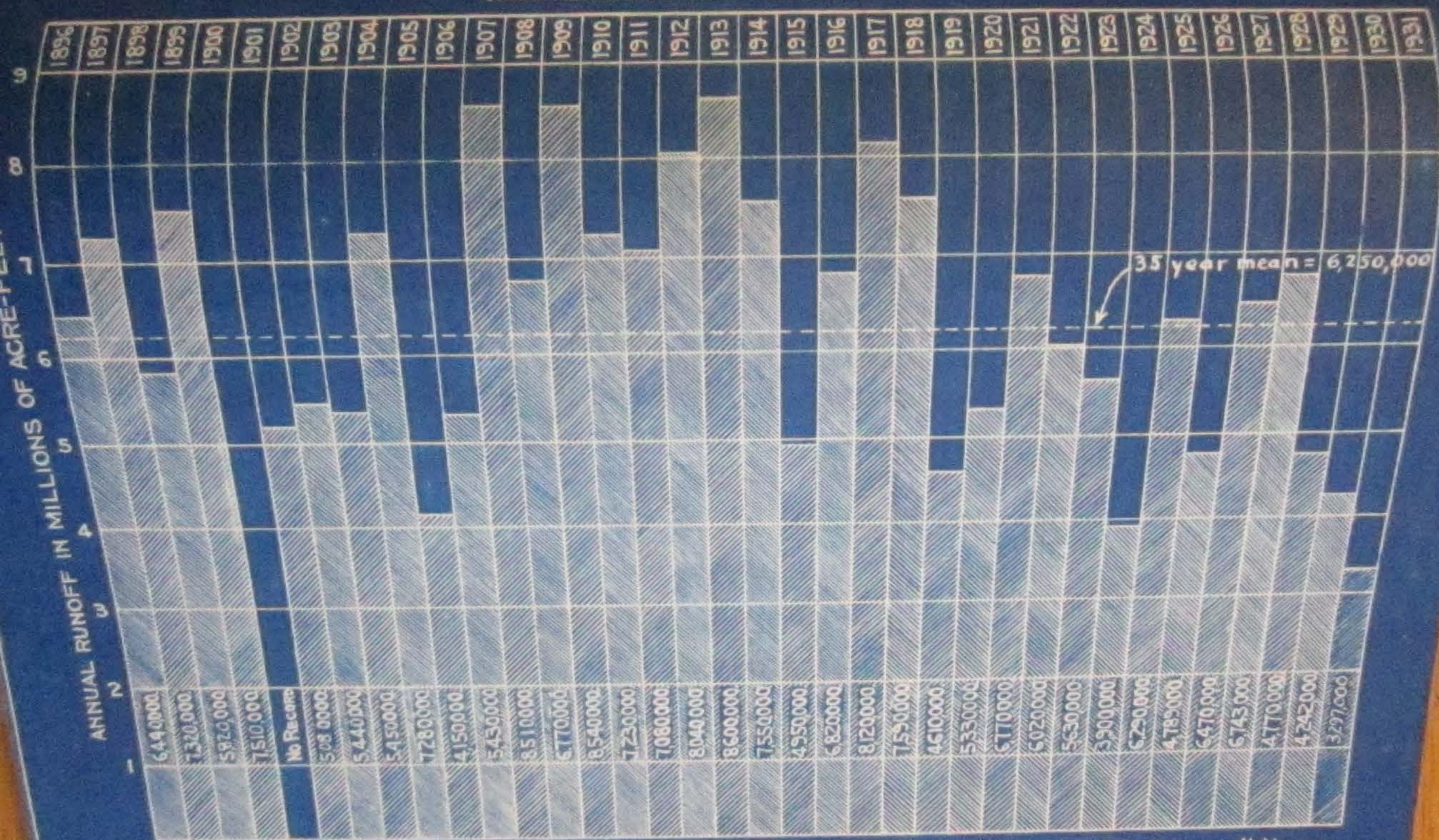
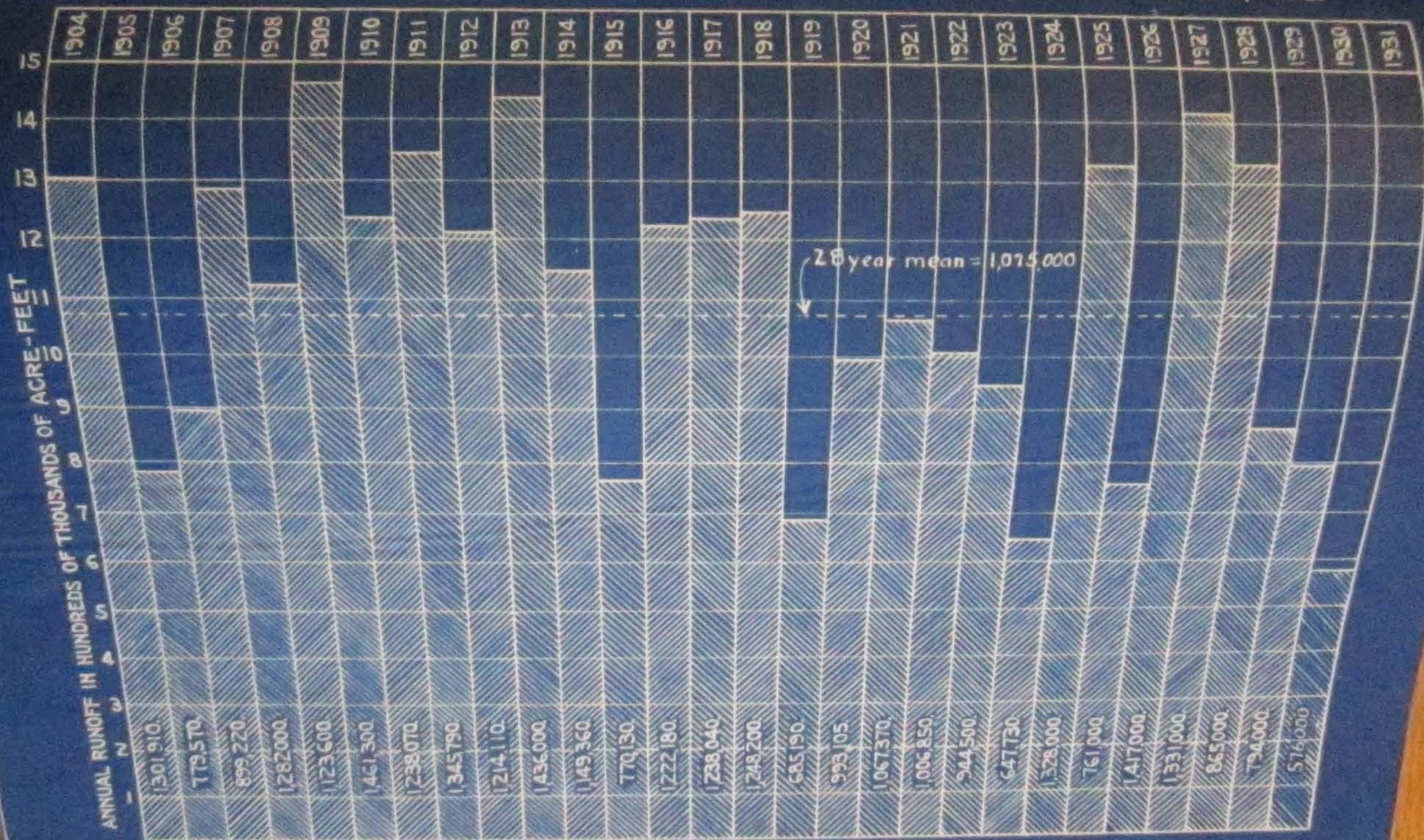


DIAGRAM SHOWING TOTAL ANNUAL RUNOFF IN ACRE-FEET OF SNAKE RIVER AT NEELEY, IDAHO.
(MONTGOMERY FERRY PRIOR TO 1906)



Note: Run-off totals are for climatological year ending Sept. 30th. and corrected for American Falls Reservoir Holdovers.

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



Note:—Runoff totals are for climatological year ending Sept. 30th. and are corrected for Jackson Lake Holdovers.

DAILY DISCHARGE IN SEC. FT. OF SNAKE RIVER CANALS FOR MAY 1931

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	
BILLY	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
EAGLE ROCK	155	153	155	153	155	157	157	158	154	230	246	302	339	415	485	536	583	278	294	249	501	453	471	487	457	418	422	413	388	461	10270		
FARMERS FRIEND	90	95	100	105	110	113	3	231	231	231	231	231	231	344	302	359	350	316	320	320	372	325	318	334	344	348	368	274	275	248	312	7824	
ENTERPRISE	80	82	85	88	92	95	95	100	107	115	122	129	136	76	12	20	146	179	174	141	86	16	16	16	18	157	117	119	115	149	119	3022	
NELSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MATTSON & CRAIG	1	1	1	2	2	2	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	
ARNSBERGER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BUTLER ISLAND	10	12	12	13	13	13	13	13	13	13	13	13	13	26	26	32	31	30	30	36	36	34	34	46	44	52	51	57	16	0	0	0	
ROSS & RAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
STEELE	1	1	1	1	1	1	1	1	1	3	6	9	12	12	9	8	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
HARRISON	100	105	110	115	122	130	229	225	222	285	345	405	464	403	6	6	468	472	472	468	472	464	219	8	240	487	458	460	445	487	462	9374	
CHENEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BOOMER	10	12	14	15	16	18	18	17	16	56	100	140	186	125	150	150	139	139	133	125	111	109	103	102	101	101	102	101	12	12	12	2445	
RUDY	38	40	42	44	46	44	48	56	64	66	70	100	184	163	153	153	142	142	165	166	143	145	76	6	6	149	108	185	192	188	167	3376	
KITE & NORD	2	2	2	3	3	3	2	2	2	3	3	4	4	9	9	5	4	9	9	9	10	0	0	0	0	9	7	7	7	8	8	144	
BURGESS	350	360	375	385	395	401	473	472	471	552	633	714	745	740	158	635	740	803	791	724	662	12	12	12	424	855	839	837	834	839	835	17635	
CLARK & EDWARDS	12	16	20	24	28	32	31	36	41	46	51	56	63	80	80	70	77	75	77	75	76	77	76	75	76	76	73	75	74	75	75	1828	
LOWDER	2	2	3	3	4	5	9	10	11	11	12	13	17	43	21	26	35	32	47	44	41	30	34	0	0	4	39	40	39	39	39	712	
JENNINGS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
EAST LABELLE	26	27	28	29	30	31	35	40	44	49	53	57	61	136	94	84	64	62	60	56	35	120	109	58	0	141	99	98	106	134	136	2154	
CONSOLIDATED FEEDER	30	31	32	33	34	35	36	37	38	40	52	60	68	76	0	0	73	75	75	73	0	0	0	0	0	116	211	187	187	167	430	2644	
LENROOT	60	62	64	66	68	70	72	75	78	81	76	102	128	155	28	46	120	187	187	166	28	0	0	0	0	116	211	187	187	167	430	2644	
REID	40	42	44	46	48	50	52	54	57	60	52	58	63	69	103	126	112	140	124	94	140	128	100	103	140	140	122	126	122	105	118	2788	
TEXAS FEEDER	36	38	40	42	44	46	48	50	52	54	39	45	52	58	183	245	270	245	196	168	228	228	162	173	270	270	259	259	259	217	236	4512	
NELSON COREY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	
RIGBY	4	5	5	6	6	7	7	8	8	8	11	16	21	27	21	14	142	157	145	163	163	163	162	162	162	162	162	162	162	162	162	162	2323
DILTS & ISLAND	40	41	42	43	44	45	46	48	50	52	72	92	112	133	0	0	70	21	117	41	93	93	92	95	103	126	126	124	134	124	134	2353	
W. LABELLE & LONG ISLAND	148	145	150	155	160	165	170	175	180	183	225	265	305	350	489	366	306	340	346	316	366	421	432	475	548	270	270	271	307	307	307	400	9208
PARKS & LEWISVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NORTH RIGBY	25	25	26	26	28	28	29	29	30	31	35	40	45	50	50	44	41	39	38	41	45	44	0	0	0	0	0	0	0	0	0	0	153
WHITE	1	1	1	1	1	1	1	1	1	1	3	6	9	11	19	7	6	5	9	6	6	7	7	7	7	7	7	7	5	5	5	5	
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	
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	
BUTTE & MARKET LAKE	118	119	120	124	128	132	138	144	152	140	127	125	112	90	166	230	225	212	253	232	225	208	268	134	244	243	184	253	253	244	237	5732	
OSGOOD	0	0	0	0	0	6	12	12	12	12	39	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
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	
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	
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	
IDAHO	142	162	162	166	166	175	175	170	285	320	323	420	478	545	662	761	774	843	830	871	868	873	902	902	904	940	940	940	940	940	940	940	16483
GREAT WESTERN	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	5844
PORTER	12	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	3220
COY & Kellar	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	1827
WOODVILLE	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	8867
SHAKE RIVER VALLEY	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	141224
TOTAL HEISE TO WOODVILLE	1857	1901	1946	2032	2071	2117	2127	2180	2246	2296	2371	2403	2474	2501	2561	2649	2704	2773	2800	2877	2907	2951	2994	3041	3091	3143	3197	3253	3311	3371	3433	3497	9254
RESERVATION	276	269	256	203	218	230	254	210	276	470	445	365	262	142	49	91	369	607	547	294	99	0	0	0	0	303	535	508	478	475	461	9254	
BLACKFOOT	183	183	183	178	172	166	160	154	148	153	158	163	168	125	131	297	308	341	317	294	255	286	360	334	342	360	353	340	330	345	320	7633	
NEW LAYA SIDE	32	33	34	35	36	37	38	39	37	35	33	31	29	27	25	23	21	19	17	15	13	11	9	7	5	3	1	0	0	0	0	0	10032
PEAPLES	130	128	126	124	122	120	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	8											

DAILY DISCHARGE IN SEC. FT. OF SNAKE RIVER CANALS FOR JUNE 1931

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
ANDERSON	313	343	343	313	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308
EAGLE ROCK	411	441	441	407	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392
FARMERS FRIEND	233	260	260	270	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252
ENTERPRISE	123	178	178	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184
NELSON	0	3	0	0	2	0	0	1	1	1	1	0	0	0	0	1	3	3	3	2	1	2	1	2	3	2	2	1	0	0	0
MATTSON & CRAIG	6	10	4	7	8	8	8	8	8	8	7	7	7	8	7	7	7	7	7	6	6	6	6	6	6	5	6	5	7	7	0
ARNSBERGER	0	0	0	3	1	3	8	4	4	3	1	0	5	4	4	5	5	5	4	4	5	4	0	0	0	0	0	0	0	0	0
BUTLER ISLAND	0	0	0	49	49	49	49	50	50	50	49	49	50	48	48	44	50	49	49	49	48	46	46	47	46	46	46	49	49	49	49
ROSS & RAND	4	4	3	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
STEELE	9	8	8	8	8	8	8	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
HARRISON	460	458	458	458	456	456	456	460	464	462	462	16	16	16	16	16	456	456	458	462	454	456	460	456	460	460	460	460	460	460	460
NIENEY	5	4	5	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
MOORE	12	12	12	12	12	12	12	13	13	13	13	13	13	14	14	14	15	15	15	15	14	14	14	14	14	13	13	13	13	12	12
RUDY	142	140	142	140	141	142	145	145	142	142	145	142	142	140	142	140	142	140	142	140	142	140	142	140	142	140	142	140	142	140	142
KITE & NORD	8	7	7	7	7	7	8	9	9	9	1	1	6	1	0	9	9	8	9	9	8	8	0	0	0	0	0	0	0	0	0
BURGESS	741	823	831	831	815	815	815	819	823	823	20	20	18	18	20	871	871	871	871	871	871	871	871	871	871	871	871	871	871	871	871
CLARK & EDWARDS	75	73	74	73	70	71	71	70	71	71	71	72	72	72	72	72	72	72	72	71	71	70	71	70	70	68	69	68	68	67	71
LOWDER	39	42	41	39	39	33	0	0	0	0	0	42	42	42	41	49	49	49	0	0	0	0	0	0	0	41	40	41	48	48	48
JENNINGS	7	9	9	8	8	8	0	0	0	0	0	8	8	8	8	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
EAST LABELLE	136	120	122	98	105	136	104	134	134	134	134	133	133	134	141	141	141	141	141	142	142	142	143	143	143	144	144	144	144	144	144
CONSOLIDATED FEEDER	79	64	85	78	76	88	0	0	172	175	175	153	70	70	70	73	90	78	74	68	68	73	78	83	82	78	78	85	85	85	85
LENROOT	41	152	110	137	130	141	165	163	188	151	155	0	0	164	173	161	147	147	147	0	0	0	0	0	0	0	0	0	0	0	0
BEID	130	123	109	103	95	130	141	151	147	143	129	122	153	151	143	147	154	154	151	150	154	156	156	161	156	154	137	141	133	113	113
TEXAS FEEDER	259	284	284	262	278	256	248	294	297	241	238	204	253	266	232	260	257	255	235	195	195	182	213	200	200	190	195	200	200	169	169
NELSON COREY	17	18	18	18	18	10	17	18	18	18	17	14	17	17	16	17	17	17	17	15	17	17	12	12	12	12	12	12	12	12	12
HILL PETTINGER	4	5	5	6	6	5	6	5	0	6	5	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
RIGBY	4	4	163	4	92	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163
DILTS & ISLAND	145	136	126	114	120	122	124	140	143	145	175	114	149	163	165	132	159	157	153	157	161	99	88	88	86	94	122	122	122	116	116
W LABELLE & LONG ISLAND	427	400	416	384	437	437	437	427	502	443	512	551	562	562	562	500	478	497	470	418	483	540	545	551	529	535	529	529	535	535	535
PARKS & LEWISVILLE	247	250	237	234	278	272	322	333	345	338	345	345	345	345	343	343	343	340	343	334	334	341	340	340	346	343	353	346	353	353	353
NORTH RIGBY	0	0	0	50	50	47	45	53	55	55	55	51	51	51	51	51	51	51	51	51	51	50	50	50	50	50	49	50	50	50	
WHITE	6	6	5	5	5	5	5	5	5	5	7	6	6	6	5	4	4	3	3	6	5	5	5	5	5	5	5	5	5	5	5
ELLIS	0	0	0	0	0	0	0	0	0	0	0	5	9	8	7	8	5	5	0	2	0	4	5	4	4	5	5	5	5	5	5
BRAMWELL	20	16	2	0	0	0	0	0	0	0	6	13	16	14	12	15	12	13	4	9	4	13	12	11	12	11	9	5	6	6	6
BUTTE & MARKET LAKE	258	246	267	223	264	263	264	271	230	20	20	20	20	20	20	5	233	288	288	288	272	276	288	283	235	233	0	0	0	0	0
OSGOOD	107	108	108	107	106	104	105	105	103	106	106	106	106	110	110	110	113	110	109	110	108	108	108	106	108	109	111	110	108	92	3279
SEAR ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMITH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KENNEDY	0	18	24	24	25	24	24	24	24	24	24	30	32	32	35	30	37	35	36	34	33	33	38	32	30	32	30	30	28	25	24
ISLAND	559	687	774	877	912	976	960	944	982	1000	992	995	982	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
GREAT WESTERN	377	374	364	355	370	384	383	387	373	394	394	394	393	393	388	370	384	381	374	372	377	375	370	367	367	367	367	367	367	367	367
FOSTER	202	197	197	190	176	202	197	204	204	207	202	207	207	198	198	207	204	202	197	205	205	170	170	167	170	168	168	168	170	185	8746
GOY & KELLER	70	69	70	82	74	76	71	76	91	88	84	83	79	72	69	66	64	87	0	0	0	0	103	111	111	84	88	87	85	87	2132
WOODVILLE	0	381	581	574	617	615	578	561	552	558	535	543	550	523	537	552	554	548	550	527	533	527	522	533	318	214	444	594	640	542	15195
Snake River Valley	5774	6544	7028	6843	7084	7313	7238	7445	7191	7428	7282	6178	6123	5051	5003	6517	6565	6483	7485	7360	7328	7313	7312	7410	7174	6861	5153	5771	5920	585	200305
TOTAL HEISE TO WOODVILLE	5774	6544	7028	6843	7084	7313	7238	7445	7191	7428	7282	6178	6123	5051	5003	6517	6565	6483	7485	7360	7328	7313	7312	7410	7174	6861	5153	5771	5920	585	200305
RESERVATION	499	522	511	610	515	448	374	355	338	345	319	343	403	558	551	519	386	0	121	219	0	0	0	0	0	0	0	0	0	0	7992
BLACKFOOT	325	349	360	357	324	319	270	251	243	270	245	314	351	404	364	373	367	377	344	336	343	0	0	0	0	0	370	371	357	380	370
NEW LAVA SIDE	120	150	152	150	150	158	140	150	150	151	151	152	0	0	0	0	0	151	151	151	152	151	151	80	0	0	0	0	0	0	2937
PEOPLES	424	424	424	422	479	431	416	424	0	0	0	0	10	422	420	418	418	422	420	406	441	420	418	422	420	420	422	418	420	0	10132
ABERDEEN-SPRINGFIELD	1210	1230	1230	1230	1240	1230	822	298	0	0	0	247	783	1110	1180	1200	1190	1200	1120	896	718	833	870	873	708	887	873	884	702	921	26220
CORRETT	90	128	146	0	0	91	30	40	165	181	185																				

DAILY DISCHARGE IN SEC. FT. OF SNAKE RIVER CANALS FOR JULY 1931

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		
ANDERSON	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	1000		
EAGLE ROCK	511	465	461	461	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	15313		
FARMERS FRIEND	943	334	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	10968		
ENTERPRISE	77	77	77	77	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	2293		
NELSON	2	1	1	2	1	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	27		
MATTSON & CRAIG	3	6	0	0	7	7	7	5	8	8	10	10	8	8	9	11	12	9	11	12	13	9	12	11	12	12	10	10	13	15	15	299	
ARNBERGER	0	0	0	0	0	0	0	0	0	4	4	4	3	1	1	0	0	0	3	1	1	3	2	2	2	1	2	0	0	0	0	34	
BUTLER ISLAND	48	48	48	48	47	46	46	46	45	45	44	50	50	50	49	50	50	50	49	49	48	48	47	46	46	46	46	44	44	50	49	1471	
ROSS & RAND	5	5	6	6	6	6	6	6	5	4	5	0	0	0	0	0	4	4	4	4	4	4	0	0	0	0	0	5	5	4	5	105	
STEELE	7	7	7	7	7	6	6	7	7	8	8	8	8	8	9	9	9	8	8	8	8	8	8	8	8	8	8	7	7	8	8	238	
HARRISON	6	472	485	472	481	485	498	481	481	472	472	472	10	12	8	8	10	464	464	472	464	464	464	464	464	464	489	12	10	8	10	988	
CHENEY	0	0	0	0	0	4	4	0	0	0	0	0	0	2	3	3	3	3	3	3	2	2	2	2	2	2	2	4	4	4	4	59	
BOOMER	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	6	6	6	6	5	5	5	5	5	5	5	5	5	5	244	
RUDY	183	12	10	6	6	204	183	183	182	184	184	182	182	14	10	10	10	175	175	177	175	175	177	177	175	175	175	12	8	10	10	3541	
KITE & NORD	5	0	0	0	3	0	0	0	4	2	1	1	1	5	4	4	1	1	1	1	1	1	1	1	0	0	1	1	2	3	1	46	
BURGESS	18	871	887	899	907	899	907	915	919	927	927	927	18	20	20	20	20	887	915	927	899	899	891	891	899	887	20	20	20	20	20	18292	
CLARK & EDWARDS	71	70	70	71	70	70	70	70	69	69	69	70	70	65	64	64	70	69	70	70	69	69	70	68	69	69	69	68	66	66	66	2130	
LOWDER	0	0	0	0	0	0	0	4	42	42	0	0	0	0	0	0	0	0	0	0	4	43	43	43	5	0	0	0	0	0	0	346	
JENNINGS	0	0	0	0	0	0	0	0	8	4	4	0	0	0	0	0	0	0	0	0	7	7	7	7	6	0	0	0	0	0	0	50	
EAST LABELLE	138	137	137	136	135	136	135	134	136	132	134	12	150	150	150	151	150	150	141	141	138	139	138	132	141	140	140	141	140	141	140	4223	
CONSOLIDATED FEEDER	83	83	81	80	0	0	0	0	83	76	87	75	80	66	0	0	0	0	0	0	73	75	78	85	80	87	0	0	0	0	0	75	1367
LENROOT	148	158	143	143	143	0	0	0	0	0	0	0	0	0	160	160	160	160	160	0	0	0	0	0	0	0	0	0	160	160	160	153	2228
REID	76	76	107	146	141	126	142	94	170	170	173	168	72	68	72	72	72	72	69	72	72	72	161	167	64	71	71	71	71	71	71	3170	
TEXAS FEEDER	151	203	203	203	203	203	203	174	170	173	173	172	172	172	170	160	173	174	174	174	174	176	176	176	176	176	177	177	177	177	177	177	5516
NELSON-COREY	0	0	0	13	12	12	12	12	11	10	10	10	9	10	9	9	12	12	12	12	12	12	12	11	10	11	9	5	12	12	2	245	
HILL-PETTINGER	0	0	0	0	0	0	0	3	3	3	3	3	3	3	3	3	0	0	0	0	0	0	3	3	3	4	2	2	1	2	1	45	
RIGBY	163	163	163	163	163	162	163	163	162	159	158	157	156	155	152	153	154	151	159	159	159	159	159	159	159	159	159	0	0	0	0	0	4132
DILTS & ISLAND	114	74	71	74	74	74	74	74	74	82	82	93	102	100	74	156	140	153	141	74	72	102	102	100	98	100	74	74	155	155	151	3083	
W LABELLE & LONG ISLAND	532	472	526	532	537	535	518	524	510	524	529	529	529	529	448	440	446	421	413	510	535	537	526	524	524	521	543	545	544	440	432	15593	
PARKS & LEWISVILLE	353	353	350	350	353	329	359	353	353	345	350	348	348	348	346	346	345	345	348	348	348	350	350	348	348	348	348	348	348	348	348	10780	
NORTH RIGBY	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1490	
WHITE	4	4	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	189	
ELLIS	0	0	0	0	0	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	149	
BRAMWELL	13	6	10	12	12	11	13	12	9	9	9	9	9	9	10	10	10	10	9	9	10	10	9	10	8	9	9	9	9	9	9	300	
BUTTELMARKET LAKE	0	129	140	128	124	128	144	129	138	111	0	0	0	129	142	143	135	141	143	141	148	149	131	132	131	156	163	152	144	121	116	3708	
OSGOOD	103	102	0	0	0	0	103	102	105	108	107	105	106	108	108	110	108	109	108	106	94	105	106	106	107	104	102	101	102	104	101	101	2830
BEAR ISLAND	2	2	0	0	0	0	0	0	0	0	0	0	0	0	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	34	
SMITH	0	1	0	0	0	0	0	1	0	0	1	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	623	
KENNEDY	75	13	0	0	0	0	28	27	26	25	17	17	19	31	33	21	27	18	22	25	25	24	24	24	23	23	24	24	24	22	13	22088	
IRANO	414	849	830	818	710	725	744	744	744	744	744	744	744	744	744	744	744	744	744	744	744	744	744	744	744	744	744	744	744	744	744	10292	
GREAT WESTERN	309	309	63	0	0	0	341	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	3802	
PORTER	173	185	19	0	0	0	257	249	249	249	249	249	249	249	249	249	249	249	249	249	249	249	249	249	249	249	249	249	249	249	249	34	
COY & KELLER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1448	
WOODVILLE	0	0	0	0	86	85	85	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	13189	
SNAKE RIVER VALLEY	493	427	415	223	23	444	533	550	550	550	540	556	546	537	248	0	0	481	548	548	531	571	552	556	577	567	372	312	318	276	277	13189	
TOTAL HEISE TO WOODVILLE	556	489	473	508	5132	473	1785	3049	7215	7187	7031	6919	5985	5944	5172	4982	5013	7043	1725	1726	1883	1936	1990	1772	1781	1781	1781	1781	1781	1781	1781	169236	
RESERVATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BLACKFOOT	0	0	0	0	368	249	370	370	371	370	374	372	0	0	0	0	0	0	367	411	356	356	354	354	0	0	0	0	0	0	0	0	5866
NEW LAVA SIDE	75	82	82	160	160	160	160	160	160	160	160	160	0	0	0	0	0	0	80	80	80	80	80	80	80	80	80	80	80	80	80	80	2880
PEOPLES	0	0	0	0	414	422	422	422	422	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	9253
ABERDEEN-SPRINGFIELD	460	0	0	0	427	930	914	895	878	874	873	874	873</																				

[illegible][illegible]

DAILY DISCHARGE IN SEC. FT. OF SNAKE RIVER CANALS FOR SEPT. 1937

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	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260	1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356	1357	1358	1359	1360	1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422	1423	1424	1425	1426	1427	1428	1429	1430	1431	1432	1433	1434	1435	1436	1437	1438	1439	1440	1441	1442	1443	1444	1445	1446	1447	1448	1449	1450	1451	1452	1453	1454	1455	1456	1457	1458	1459	1460	1461	1462	1463	1464	1465	1466	1467	1468	1469	1470	1471	1472	1473	1474	1475	1476	1477	1478	1479	1480	1481	1482	1483	1484	1485	1486	1487	1488	
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DATE	JACKSON LAKE CONT. ACFT.	MORAN			TWIN LAKES			DATE	HEISE + RILEY			DIV. HEISE-WOODVILLE			REXBURG	DATE	WOODVILLE			DIV. WOOD-B.B.			W-BB	PEN
		STOR.	NORM.	TOTAL	DISCH.	MORAN STOR.	MORAN LOSS STOR.		STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL			STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL		
12	394020							12								12								
13	395140							13								13								
14	396480							14			4240					14								
15	397820							15			4460					15								
16	398940							16			4240					16								
17	400060							17			4070					17								
18	401620							18			4110					18								
19	403410							19			4370					19								
20	404530							20			4430					20								
21	405640							21			4300					21								
22	407210							22			3970					22								
23	408780							23			3800					23								
24	410120							24			3710					24								
25	411010							25			3540					25								
26	411910							26			3440					26								
27	412800							27			3350					27								
28	413920							28			3310					28								
29	414390							29			3340					29								
30	418640							30			3760					30								
31	420450							31			4410					31								
1	422700							1			4370			1854		1			3030					
2	424960							2			4300			1903		2			3030					
3	427660							3			4500			1964		3			2700					
4	430370							4			4870			2032		4			2470					
5	433300							5			4960			2099		5			2880					
6	436670							6			5100			2117		6			3050					
7	440090							7			5380			2127		7			3240					
8	442820							8			5500			2418		8			3280					
9	444860							9			5220			2606		9			3690					
10	446910							10			4820			2946		10			3510					
11	449410							11			4550			3391		11			3070					
12	451460							12			4550			4013		12			2680					
13	454190							13			4910	0	4747	4747		13			1940					
14	457370							14			6590	53	5036	5036		14			1840					
15	459640							15			8520	-151	4820	4669		15			1613					
16	462850							16			10300	-244	5144	4900		16			1821					
17	466510							17			9798	0	6293	6293		17			1613					
18	469030							18			8347	1	6499	6500		18			1821					
19	472470							19			7960	1	6870	6871		19			1821					
20	475940							20			1053	403	6034	6437	51	20			1821					
21	479410							21			7321	588	5963	6551	171	21			1821					
22	482880							22			8804	-27	5620	5593	79	22			1821					
23	486350							23			7249	-100	5208	5108	22	23			1821					
24	489820							24			7118	-109	4801	4682	33	24			1821					
25	493290							25			7897	-60	5966	5906	0	25			1821					
26	496760							26			10406	189	6727	7116	0	26			1821					
27	500230							27			9432	12	6579	6591	0	27			1821					
28	503700							28			9201	12	6478	6490	0	28			1821					
29	507170							29			8948	13	6364	6377	0	29			1821					
30	510640							30			8117	23	5965	5988	0	30			1821					
31	514110							31			8530	-65	5926	5861	0	31			1821					
1	517580							1			9070	-75	5851	5776	0	1			1821					
2	521050							2			9980	64	6500	6544	0	2			1821					
3	524520							3			10920	-120	7148	7028	0	3			1821					
4	527990							4			9750	12	6831	6843	0	4			1821					
5	531460							5			9374	-19	7105	7086	0	5			1821					
6	534930							6			9022	-106	7549	7363	0	6			1821					
7	538400							7			9124	-84	7332	7238	0	7			1821					
8	541870							8			9206	-84	7531	7445	0	8			1821					
9	545340							9			9446	-34	7730	7696	0	9			1821					
10	548810							10								10			1821					
11	552280							11								11			1821					
12	555750							12								12			1821					
13	559220							13								13			1821					
14	562690							14								14			1821					
15	566160							15								15			1821					
16	569630							16								16			1821					
17	573100							17								17			1821					
18	576570							18								18			1821					
19	580040							19								19			1821					
20	583510							20								20			1821					
21	586980							21								21			1821					
22	590450							22								22			1821					
23	593920							23								23			1821					
24	597390							24								24			1821					
25	600860							25								25			1821					
26	604330							26								26			1821					
27	607800							27								27			1821					
28	611270							28								28			1821					
29	614740							29								29			1821					
30	618210							30								30			1821					
31	621680							31								31			1821					
1	625150							1								1			1821					
2	628620							2								2			1821					
3	632090							3								3			1821					
4	635560							4								4			1821					
5	639030							5								5			1821					
6	642500							6								6			1821					
7	645970							7								7			1821					
8																								

CANALS

HOWELLS						LAKE		GOODING			P. A.			MAN			N. S. CANAL CO.			T. F. CANAL CO.			MILNER LOV LIFT			SNAKER AT MILNER		
STOR.	NORM.	STOR.	NORM.	TOTAL	1931	MILNER GAGE	GOODING PROJECT	STOR.	NORM.	N. S. CAN.	LATERAL	N. S. CAN.	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL				
025	0	1075	0	2590	2590	APR 17	9.78	0	79	0	15	1370	0	1385	1385	0	1160	1160	0	24	24	0	18	18				
330	0	1330	0	2980	2980	18	9.66	0	199	0	19	1400	0	1419	1419	0	1780	1780	0	36	36	0	17	17				
454	0	1454	0	3720	3720	19	9.58	0	199	0	35	1640	0	1695	1695	0	2050	2050	0	39	39	0	17	17				
497	0	1497	0	4820	4820	20	10.64	0	372	0	35	2030	0	2045	2045	0	1960	1960	0	40	40	0	29	29				
601	0	1601	441	4309	4750	21	10.56	448	0	0	30	2110	0	2140	2140	0	2140	2140	0	0	0	0	29	29				
670	144	1736	926	4114	5040	22	11.03	608	0	0	32	2510	1428	1114	2542	0	2410	2410	0	0	0	0	29	29				
673	0	1673	1073	4367	5440	23	10.89	622	0	0	35	1850	0	1885	1885	0	2230	2230	0	0	0	0	29	29				
840	0	1240	0	4470	4470	24	10.64	622	0	0	41	1520	0	1561	1561	0	2070	2070	0	0	0	0	27	27				
667	0	1667	29	4131	4160	25	10.74	650	0	0	48	1900	0	1948	1948	0	2100	2100	0	0	0	0	27	27				
660	0	1660	600	3990	4590	26	10.83	650	0	0	48	1910	96	1862	1958	0	2100	2100	0	0	0	0	28	28				
722	0	1722	852	3648	4500	27	10.83	650	0	0	48	1900	435	1513	1948	0	2110	2110	0	49	49	0	25	25				
67	291	1726	1206	3534	4540	28	10.83	650	0	0	53	1900	714	1239	1953	0	2270	2270	0	80	80	0	25	25				
524	1726	1486	3364	4850	4850	29	10.84	650	0	0	57	1980	1243	794	2037	0	2550	2550	0	81	81	0	20	20				
457	926	1531	2261	3119	5380	30	11.00	735	0	0	57	2650	2267	400	2467	0	2770	2770	0	82	82	0	19	19				
560	1428	1132	2962	3198	6160	MAY 1	11.00	735	0	0	60	2910	2570	400	2970	0	2780	2780	0	84	84	0	18	18				
610	1646	964	3014	3306	6320	2	10.97	735	0	0	60	2910	2570	400	2970	0	2890	2890	0	84	84	0	16	16				
570	1674	896	3106	3304	6410	3	10.87	753	0	0	59	2870	2529	400	2929	0	2890	2890	0	85	85	0	14	14				
350	1134	1216	3066	3314	6380	4	10.94	770	0	0	60	2890	2550	400	2950	0	2900	2900	0	88	88	0	14	14				
250	1000	1250	3140	3400	6540	5	10.90	774	0	0	60	2870	2530	400	2930	0	2990	2990	0	89	89	1	10	11				
251	1161	1090	3140	3400	6540	6	10.94	758	0	5	60	2890	2555	400	2955	10	3000	3000	0	90	90	10	0	10				
192	1091	1101	3341	3339	6680	7	10.46	758	0	5	60	2710	2375	400	2775	0	2930	2930	0	96	96	15	0	9				
266	1076	1090	3710	3400	7110	8	11.09	801	0	5	59	3040	2704	400	3104	350	3000	3350	96	0	96	15	0	15				
098	928	1170	3760	3400	7160	9	11.05	782	0	5	59	3020	2685	400	3085	370	3000	3370	119	0	119	12	0	12				
142	1082	1060	3650	3400	7050	10	11.08	782	0	5	60	3020	2685	400	3085	220	3000	3220	118	0	118	12	0	12				
191	1061	1130	3540	3400	6940	11	11.00	813	0	5	59	2970	2634	400	3034	190	3000	3120	135	0	135	12	0	12				
237	1067	1170	3540	3400	6940	12	10.94	836	0	5	59	2940	2604	400	3004	170	3000	3170	140	0	140	11	0	11				
386	1556	830	3598	3400	6990	13	10.95	848	0	5	60	2950	2615	400	3015	200	3000	3200	140	0	140	11	0	11				
510	2020	490	3850	3400	7250	14	10.91	857	0	5	60	2970	2635	400	3035	280	3000	3280	149	0	149	20	0	20				
80	2563	17	3940	3400	7340	15	10.93	866	0	5	59	3000	2644	400	3044	270	3000	3230	157	0	157	10	0	10				
660	2660	0	4333	3007	7340	16	10.90	830	0	5	59	2990	2700	354	3054	627	2653	3280	157	0	158	10	0	10				
670	2690	0	4451	2919	7370	17	10.65	860	0	5	59	2880	2601	343	2944	624	2576	3270	158	0	158	10	0	10				
680	2680	0	4838	2902	7740	18	10.81	879	0	5	59	2950	2673	341	3014	689	2561	3230	158	0	158	12	0	12				
620	2620	0	4735	2925	7660	19	11.07	893	0	5	60	3060	2781	344	3125	749	2581	3350	158	0	158	12	0	12				
570	2150	440	4650	3400	7450	20	11.12	921	0	5	60	3100	2765	400	3165	370	3000	3330	166	0	166	20	0	20				
2520	794	1726	3876	3404	7280	21	11.13	938	0	5	60	3090	2751	404	3155	350	3000	3300	141	0	141	22	0	22				
2330	1040	1290	3590	3400	6990	22	11.00	949	0	5	59	3040	2704	400	3104	250	3000	3250	142	0	142	14	0	14				
2143	2098	45	3590	3400	6990	23	10.88	967	0	5	59	2970	2634	400	3034	190	3000	3120	141	0	141	10	0	10				
2022	2022	0	4200	2880	7080	24	10.84	974	0	5	60	2970	2694	339	3035	598	2542	3140	137	0	137	10	0	10				
1110	2110	0	4259	2881	7140	25	10.78	962	0	5	60	3000	2724	341	3045	583	2567	3180	128	0	128	10	0	10				
2250	2250	0	4347	2908	7250	26	10.80	969	0	5	60	3070	2745	340	3135	636	2554	3190	133	0	133	10	0	10				
1900	2400	0	4566	2894	7460	27	10.96	965	0	5	61	3090	2816	340	3154	672	2548	3220	135	0	135	11	0	11				
1240	2240	0	4682	2888	7570	28	11.04	980	0	5	61	3120	2790	346	3186	244	2966	3230	136	0	136	16	0	16				
1120	2120	0	4008	3362	7370	29	11.09	992	0	5	60	3060	2725	400	3125	150	3000	3150	135	0	135	11	0	11				
1086	1800	286	3820	3400	7270	30	10.98	992	0	0	60	3040	2700	400	3100	110	3000	3110	135	0	135	10	0	10				
1077	1807	270	3790	3400	7190	31	10.93	1000	0	0	60	3040	2713	387	3100	193	2907	3100	138	0	138	11	0	11				
1086	2086	0	3956	3294	7250	JUN 1	10.93	1070	0	0	60	3060	2750	370	3120	346	2774	3120	138	0	138	11	0	11				
490	2190	0	4226	3144	7370	2	10.94	1090	0	0	61	3060	2757	364	3121	390	2730	3120	135	0	135	11	0	11				
1380	2380	0	4386	3094	7480	3	11.14	1082	0	0	61	3170	2880	351	3231	668	2632	3300	140	0	140	24	0	24				
260	2660	0	4417	2983	7400	4	11.93	1094	0	0	61	2800	2514	347	2861	516	2604	3110	148	0	148	12	0	12				
680	2650	0	3709	2951	6660	5	11.07	112	0	5	61	2540	2206	400	2606	60	3000	3060	125	0	125	11	0	11				
1700	2700	0	3297	3053	6350	6	10.98	185	0	5	61	2540	2206	400	2606	70	3000	3070	124	0	124	10	0	10				
1740	2470	270	3090	3400	6540	7	10.97	847	0	5	61	2510	2217	359	2576	370	2698	3080	123	0	123	11	0	11				
1730	2411	319	3140	3400	6570	8	10.87	901	0	5	61	2530	2251	345	2596	496	2584	3120	122	0	122	11	0	11				
1750	2750	0	3521	3049	6740	9	10.93	905	0	5	61	2530	2257	329	2596	519	2541	3060	123	0	123	11	0	11				
1760	2760	0	3811	2929	6800	10	11.05	915	0	5	61	2450	2177	339	2516	429	2541	2970	122	0	122	11	0	11				
1760	2760	0	3984	2916	6800	11	11.01	915	0	5	61	2450	2177	339	2516	429	2541	2970	122	0	122	11	0	11				
1760	2760	0	369	2880	6570	12	10.96	913	0	5	61	2450	2177	339	2516	429	2541	2970	122	0	122	11	0	11				
1760	2760	0	3440	2880	6320	13	10.96	913	0	5	61	2450	2177	339	2516	429	2541	2970	122	0	122	11	0	11				

DATE	JACKSON LAKE	MORAN			TWIN LAKES		MORAN HEISE LOSS STOR	DATE	HEISE + RILEY			HEISE-WOODVILLE			REXBURG	DATE	WOODVILLE			DIV. WOOD-B.B.R.			W-B.B.R.
		STOR	NORM	TOTAL	DISCH	+MORAN			STOR	NORM	TOTAL	STOR	NORM	TOTAL			STOR	NORM	TOTAL	STOR	NORM	TOTAL	
10/1	532130	-3338	3431	93	0	0	0	10/1	0	9342	7362	0	0	444	10/1	176	2408	2580	-1375	2878	1553	9	
10/2	539620	-2360	2406	246	0	0	0	10/2	0	8384	8384	0	0	431	10/2	890	1530	2320	-1235	3100	1865	9	
10/3	544380	-790	2290	1500	0	0	0	10/3	0	8844	8844	0	0	422	10/3	953	1887	2840	-918	3187	2201	9	
10/4	545970	321	2289	2610	0	321	8	10/4	313	9454	9767	0	0	404	10/4	1072	3305	4380	-131	3453	3291	10	
10/5	546870	-247	2227	1980	15	0	0	10/5	0	9117	9117	0	0	395	10/5	1599	2421	4220	-135	3831	3890	10	
10/6	546170	479	2286	2760	30	504	13	10/6	491	8747	8747	0	0	383	10/6	1534	2336	3870	-134	3787	3253	10	
10/7	545230	706	2014	2720	30	736	18	10/7	718	9312	9803	0	0	367	10/7	472	3048	3520	-276	3813	3109	10	
10/8	543830	1810	1550	3360	30	1840	46	10/8	1794	8829	10223	0	0	359	10/8	471	2679	3320	-908	4521	2991	10	
10/9	539850	1970	1500	3470	30	2000	50	10/9	1950	7312	9262	0	0	363	10/9	1705	1125	2830	1112	1757	2861	10	
10/10	546340	2780	1380	4160	30	2810	70	10/10	2740	6632	9372	0	0	355	10/10	892	1438	2280	1019	1213	2291	10	
10/11	530490	3690	1370	5060	30	3720	73	10/11	3637	6881	9948	0	0	347	10/11	1450	670	2120	940	792	1882	10	
10/12	523520	3640	1340	4980	30	3670	72	10/12	3578	6440	10018	0	0	351	10/12	2272	238	2530	638	451	1585	10	
10/13	516310	3870	1430	5300	30	3900	78	10/13	3802	6150	9952	0	0	343	10/13	1887	781	2670	917	1280	2117	10	
10/14	508140	3920	1540	5480	30	3950	79	10/14	3851	6275	10226	0	0	339	10/14	1502	1458	2960	1021	1077	2098	10	
10/15	501470	3540	1500	5040	30	3570	89	10/15	3481	6071	9552	0	0	331	10/15	1112	1658	2720	1281	1141	2423	10	
10/16	493860	3520	1520	5040	30	3550	89	10/16	3461	6081	9482	0	0	323	10/16	1533	1167	2700	1284	1058	2347	10	
10/17	487160	2140	1520	4160	30	2670	67	10/17	2603	5938	8541	0	0	311	10/17	1841	879	2720	1617	66	2276	10	
10/18	481140	2720	1380	4150	30	2800	70	10/18	2730	5652	8382	0	0	311	10/18	1684	1196	2880	1746	731	2477	10	
10/19	476140	2870	1070	3940	30	2900	72	10/19	2824	5358	8182	0	0	322	10/19	1518	1012	2530	1330	718	2048	10	
10/20	471100	1860	1000	2860	30	1890	47	10/20	1839	5280	7119	0	0	319	10/20	545	1475	2020	503	542	1195	10	
10/21	467200	2080	900	2980	30	2110	53	10/21	2048	4103	6151	0	0	319	10/21	715	725	1440	-120	796	676	10	
10/22	463760	2570	900	3470	20	2590	65	10/22	2516	3771	6287	0	0	311	10/22	-87	1317	1230	-120	738	618	10	
10/23	458960	3060	880	3940	20	3080	77	10/23	2994	3874	6838	0	0	311	10/23	794	826	1620	-40	731	697	10	
10/24	451460	4130	860	4990	20	4150	104	10/24	4037	3860	7897	0	0	311	10/24	1978	692	2670	1369	701	2070	10	
10/25	443270	4670	860	5530	20	4690	117	10/25	4564	3848	8412	0	0	299	10/25	2198	702	2900	1744	714	2458	10	
10/26	433760	5420	860	6280	20	5440	136	10/26	5295	3727	9022	0	0	303	10/26	2466	134	2600	1952	588	2540	10	
10/27	422250	5740	860	6600	20	5760	144	10/27	5607	3919	9526	0	0	331	10/27	1690	990	2680	1842	360	2202	10	
10/28	410340	5810	850	6660	20	5830	146	10/28	5675	3881	9556	0	0	335	10/28	1727	953	2680	1846	547	2373	10	
10/29	398710	5920	850	6770	10	5930	148	10/29	5773	3818	9591	0	0	375	10/29	1513	1187	2700	1855	459	2319	10	
10/30	387580	5840	840	6680	10	5850	146	10/30	5695	3786	9481	0	0	359	10/30	1561	1119	2680	1912	459	2371	10	
10/31	375840	5880	840	6720	10	5890	147	10/31	5734	3707	9441	0	0	351	10/31	1715	1055	2720	1769	493	2262	10	
10/32	364830	5190	840	6030	10	5200	130	10/32	5061	3790	8551	0	0	408	10/32	1149	1451	2600	1265	592	1857	10	
10/33	355840	3770	840	4610	10	3780	95	10/33	3676	3735	7411	0	0	351	10/33	1375	865	2240	1257	596	1853	10	
10/34	347520	3660	830	4490	10	3670	92	10/34	3569	3548	7117	0	0	335	10/34	1293	1017	2310	1194	590	1784	10	
10/35	340790	3200	830	4030	10	3210	80	10/35	3121	3573	6694	0	0	371	10/35	1017	1283	2300	1278	557	1835	10	
10/36	334930	3020	820	3840	10	3030	76	10/36	2945	3275	6220	0	0	395	10/36	994	956	1950	899	541	1390	10	
10/37	328470	4480	820	5300	10	4490	112	10/37	4669	2961	7330	0	0	379	10/37	2190	-120	2070</					

D-B BR.		W-B BR.		PENALTY		DAILY SUMMARY OF DATA AT AND BETWEEN SNAKE RIVER GAGING STATIONS 1931										MINIDOKA CANALS					
NORM.	TOTAL	LOSS STOR.	NORM. FLOW	STOR.	BLACKFOOT BR.	BLACK. RIV.	CLOUGHS	DATE	AM. FALLS	NEELEY	DATE	LAKE									
					STOR.	NORM.	TOTAL	1931	RES. CONT. AC. FT.	STOR.	NORM.	TOTAL	1931	WALCOTT		NORTH	SOUTH	TOTAL	STOR.	NORM.	STOR.
2898	1523	93	-1630	3088	-2605	483	0	Jun 12	998 550	6670	2880	9550	Jun 13	94 840	1300	1120	2420	2620	0	39	
3100	1865	124	-287	2238	-1984	254	0	13	986 530	6670	2880	9550	14	95 180	1510	1160	2670	2610	0	23	
3127	2209	112	-255	2014	-1987	67	0	14	973 930	6670	2880	8900	15	94 720	1430	1160	2590	2590	0	23	
3423	3292	72	-248	1379	-974	405	0	15	962 140	6700	2880	8580	16	92 160	1560	1160	2670	2620	0	23	
3431	3296	104	-258	1888	-1144	744	0	16	950 150	6760	2880	9140	17	95 740	1590	1160	2700	2700	0	23	
3387	3253	100	-123	1691	-1393	298	0	17	937 350	6460	2880	9340	18	95 710	1520	1160	2680	2680	0	23	
2813	3709	11	-124	289	-76	213	0	18	926 840	6306	2880	9220	19	96 150	1520	1160	2680	2680	0	23	
2533	2941	17	-108	374	-144	230	0	19	914 300	5737	3063	8740	20	96 750	1520	1170	2690	2690	0	23	
1757	2869	36	-15	572	-515	57	0	20	902 980	5660	2880	8540	21	96 270	1500	1160	2660	2660	0	23	
223	2242	0	-31	-146	-146	0	0	21	891 950	5420	2880	8300	22	95 930	1440	1120	2560	2560	0	23	
242	1882	31	-38	517	-517	0	0	22	881 340	5500	2880	8380	23	94 250	1330	1140	2470	2470	0	23	
951	1589	99	-73	1628	-1609	19	0	23	867 240	6020	2880	8960	24	94 250	1230	1130	2360	2360	0	23	
1200	2117	58	-50	964	-734	230	0	24	857 570	5940	2880	8820	25	93 790	1230	1130	2370	2370	0	23	
1133	2117	30	-44	517	-380	137	0	25	846 900	5900	2880	8780	26	92 860	1250	1150	2500	2500	0	23	
1077	2098	29	-48	500	-237	263	0	26	835 460	6180	2880	9060	27	92 510	1440	1150	2590	2590	0	23	
1141	2422	0	-12	-157	-472	315	0	27	827 460	6670	2880	9550	28	91 670	1470	1150	2620	2620	0	23	
1058	2342	15	-55	289	-255	34	0	28	811 800	6800	2880	9680	29	91 460	1470	1140	2610	2610	0	23	
661	2278	13	-57	268	-258	10	0	29	798 090	7010	2880	9890	30	91 810	1470	1130	2600	2600	0	23	
731	2477	0	-45	-17	97	80	0	30	783 360	7220	2880	10100	Jul 1	92 860	1500	1140	2640	2640	0	23	
718	2048	11	-47	224	-157	67	0	1	770 380	7320	2880	10200	2	93 440	1570	1140	2710	2710	0	23	
692	1195	3	-47	86	127	213	0	2	755 960	7820	2880	10600	3	93 090	1590	1150	2740	2740	0	23	
796	676	50	-30	815	-223	592	0	3	737 580	7920	2880	10800	4	94 950	1590	1140	2730	2730	0	23	
738	618	2	-38	69	293	362	0	4	722 830	7010	2880	9890	5	94 020	1590	1110	2700	2700	0	23	
737	697	50	-48	832	-554	278	0	5	711 030	6460	2880	9340	6	95 550	1560	1120	2680	2680	0	23	
701	2070	37	-57	629	-585	44	0	6	699 750	6880	2880	9760	7	96 150	1570	1130	2700	2700	0	23	
714	2458	27	-30	457	-369	88	0	7	685 070	7220	2880	10100	8	96 870	1590	1140	2730	2730	0	23	
588	2540	31	-2	485	-425	60	13	8	670 030	7220	2880	10100	9	96 870	1590	1140	2730	2730	0	23	
360	2202	0	-2	-150	155	5	30	9	655 750	6960	2880	9840	10	94 720	1580	1140	2720	2720	0	23	
547	2393	0	-2	-117	119	2	30	10	638 780	6880	2880	9760	11	94 950	1590	1150	2740	2740	0	23	
459	2314	0	-2	-340	340	0	47	11	623 760	6590	2880	9470	12	95 070	1590	1150	2740	2740	0	23	
459	2371	0	-2	-349	352	3	51	12	610 920	7120	2880	10000	13	94 720	1590	1150	2740	2740	0	23	
493	2262	0	-11	-43	55	12	80	13	597 470	7220	2880	10100	14	94 720	1590	1150	2740	2740	0	23	
592	1857	0	-55	-61	210	149	85	14	582 550	7220	2880	10100	15	99 250	1590	1150	2740	2740	0	23	
596	1853	7	-63	174	10	184	73	15	568 620	7420	2880	10300	16	99 890	1590	1170	2760	2760	0	23	
590	1784	6	-63	156	-47	109	65	16	553 230	7420	2880	10300	17	94 840	1590	1170	2760	2760	0	23	
557	1835	0	-55	-266	320	174	74	17	538 850	7320	2880	10200	18	94 600	1590	1170	2760	2760	0	23	
541	1390	9	-55	191	-76	115	45	18	523 070	7320	2880	10200	19	94 020	1590	1160	2750	2750	0	23	
541	1757	58	-3	919	-862	57	17	19	508 830	7320	2880	10200	20	94 370	1590	1160	2750	2750	0	23	
541	1788	3	-3	50	-5	45	28	20	494 100	7420	2880	10300	21	94 370	1590	1160	2750	2750	0	23	
535	1712	11	-4	172	-100	72	37	21	479 720	7220	2880	10100	22	94 720	1590	1160	2750	2750	0	23	
526	1736	16	-3	247	-158	89	22	22	464 630	7220	2880	10100	23	95 070	1590	1160	2750	2750	0	23	
526	2221	7	-2	115	-77	38	5	23	451 440	7220	2880	10100	24	94 720	1590	1160	2750	2750	0	23	
492	2228	0	-3	-63	66	27	0	24	437 290	7050	2880	9930	25	94							

1931
MINIDOKA CANALS

SOUTH CANALS				HOWELLS				DATE	LAKE MILNER GRADE	GOODING			P.A. LATERAL	MAIN N.S. CANAL	N.S. CANAL CO			T.F. CANAL CO			MILNER LOW LIFT					PLATE NO. 12						
STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.			TOTAL	STOR.	NORM.			TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL		
200	1120	2620	2620	0	3970	2880	6350	JUN 14	10.92	928	0	5	61	2430	2157	339	2496	419	2501	2501	130	0	130	12	0	12	130	0	130	12	0	12
210	1120	2670	2670	0	3970	2880	6220	15	10.89	927	0	5	61	2340	2067	339	2406	389	2501	2501	130	0	130	14	0	14	130	0	130	14	0	14
220	1120	2570	2570	0	3970	2880	5290	16	10.60	927	0	0	61	2280	2002	339	2341	329	2501	2501	130	0	130	15	0	15	130	0	130	15	0	15
230	1120	2620	2620	0	3970	2880	5560	17	10.92	937	0	0	61	2370	2072	339	2431	419	2501	2501	130	0	130	16	0	16	130	0	130	16	0	16
240	1120	2700	2700	0	3970	2880	5870	18	10.87	940	0	0	61	2350	2072	339	2411	399	2501	2501	130	0	130	17	0	17	130	0	130	17	0	17
250	1120	2680	2680	0	3970	2880	5970	19	10.76	919	0	5	61	2260	1987	339	2326	329	2501	2501	130	0	130	18	0	18	130	0	130	18	0	18
260	1120	2680	2680	0	3970	2880	5970	20	10.68	925	0	5	0	1830	1492	343	1835	249	2501	2501	130	0	130	19	0	19	130	0	130	19	0	19
270	1120	2670	2670	0	3970	2880	5970	21	10.71	943	0	5	0	1840	1492	353	1845	190	2501	2501	130	0	130	20	0	20	130	0	130	20	0	20
280	1120	2560	2560	0	3970	2880	5570	22	10.78	943	0	5	0	2000	1666	339	2005	339	2501	2501	130	0	130	21	0	21	130	0	130	21	0	21
290	1120	2470	2470	0	3970	2880	5640	23	10.67	940	0	5	0	2100	1766	339	2105	309	2501	2501	130	0	130	22	0	22	130	0	130	22	0	22
300	1120	2380	2380	0	3970	2880	6160	24	10.83	933	0	5	62	2620	2348	339	2607	369	2501	2501	130	0	130	23	0	23	130	0	130	23	0	23
310	1120	2370	2370	0	3970	2880	6270	25	10.84	933	0	5	62	2620	2348	339	2607	409	2501	2501	130	0	130	24	0	24	130	0	130	24	0	24
320	1120	2500	2500	0	3970	2880	6300	26	10.75	930	0	5	61	2570	2277	339	2636	409	2501	2501	130	0	130	25	0	25	130	0	130	25	0	25
330	1120	2620	2620	0	3970	2880	6410	27	10.75	920	0	0	61	2600	2322	339	2661	519	2501	2501	130	0	130	26	0	26	130	0	130	26	0	26
340	1120	2620	2620	0	3970	2880	6410	28	10.71	918	0	0	61	2610	2332	339	2671	599	2501	2501	130	0	130	27	0	27	130	0	130	27	0	27
350	1120	2610	2610	0	3970	2880	6850	29	10.74	935	0	0	61	2700	2422	339	2761	659	2501	2501	130	0	130	28	0	28	130	0	130	28	0	28
360	1120	2400	2400	0	3970	2880	6880	30	10.67	925	0	5	61	2670	2377	339	2736	709	2501	2501	130	0	130	29	0	29	130	0	130	29	0	29
370	1120	2680	2680	0	3970	2880	6880	31	10.69	925	0	5	61	2670	2377	339	2736	709	2501	2501	130	0	130	30	0	30	130	0	130	30	0	30
380	1120	2710	2710	0	3970	2880	6820	32	10.61	933	0	5	61	2640	2367	339	2706	689	2501	2501	130	0	130	31	0	31	130	0	130	31	0	31
390	1120	2740	2740	0	3970	2880	6880	33	10.37	918	0	5	61	2570	2277	339	2636	639	2501	2501	130	0	130	32	0	32	130	0	130	32	0	32
400	1120	2740	2740	0	3970	2880	7570	34	10.82	1005	0	5	61	2730	2457	339	2796	789	2501	2501	130	0	130	33	0	33	130	0	130	33	0	33
410	1120	2730	2730	0	3970	2880	7020	35	10.53	976	0	0	61	2680	2402	339	2741	649	2501	2501	130	0	130	34	0	34	130	0	130	34	0	34
420	1120	2700	2700	0	3970	2880	7020	36	10.70	976	0	0	61	2730	2452	339	2791	659	2501	2501	130	0	130	35	0	35	130	0	130	35	0	35
430	1120	2680	2680	0	3970	2880	6110	37	10.67	974	0	0	61	2720	2442	339	2781	649	2501	2501	130	0	130	36	0	36	130	0	130	36	0	36
440	1120	2700	2700	0	3970	2880	6910	38	10.74	854	0	0	62	2740	2463	339	2802	679	2501	2501	130	0	130	37	0	37	130	0	130	37	0	37
450	1120	2730	2730	0	3970	2880	7050	39	10.78	880	0	5	62	2730	2458	339	2797	769	2501	2501	130	0	130	38	0	38	130	0	130	38	0	38
460	1120	2730	2730	0	3970	2880	7080	40	10.60	882	0	5	62	2640	2368	339	2707	749	2501	2501	130	0	130	39	0	39	130	0	130	39	0	39
470	1120	2720	2720	0	3970	2880	7080	41	10.73	882	0	5	62	2650	2378	339	2717	759	2501	2501	130	0	130	40	0	40	130	0	130	40	0	40
480	1120	2740	2740	0	3970	2880	7110	42	10.84	900	0	5	62	2740	2488	339	2827	819	2501	2501	130											

DATE	JACKSON LAKE CONT. AC. F.E.	MORAN			TWIN LAKES		NORM. HEISE LOSS STOR.	DATE	HEISE + RILEY			DIV. HEISE-WOODVILLE	HEISE TO WOODVILLE LOSS STOR.	REXBURG	DATE	WOODVILLE			DIV. WOOD-BB			W-BB LOSS STOR.	PENNEY NORM. F.E. STOR.		
		STOR.	NORM.	TOTAL	DISCH.	+MORAN			STOR.	NORM.	TOTAL					STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL			STOR.	NORM.
1	144 150	3560	400	3960	0	3560	89	9	3962	3193	6605	3193	2674	5800	161	474	Aug 8	187	1153	1340	493	31	806	0	-
2	150 850	6090	500	4590	0	4090	102	9	3979	3099	7078	3163	2804	5847	174	418	9	832	738	1560	1053	5	1527	0	-
3	150 380	3760	400	4160	0	3760	94	9	3657	2731	6388	3163	2804	4305	178	408	10	1978	-18	1960	905	25	1257	69	-
4	193 180	3630	350	3980	0	3630	91	9	3530	2653	6183	3163	2804	4453	172	480	11	1805	589	2370	1104	19	1678	42	-
5	135 530	4230	300	4530	0	4230	106	9	4119	2653	6768	3163	2804	4384	201	530	12	2426	424	2740	1870	21	1647	33	-
6	126 120	5090	300	5390	0	5090	127	9	4954	2728	7732	3163	2804	4671	247	548	13	2832	838	3730	1842	28	1283	63	-
7	116 250	4740	300	5040	0	4740	118	9	4613	3087	7732	3163	2804	4721	225	595	14	2632	668	3300	1824	27	2511	48	-
8	103 510	2670	1400	4070	0	2670	67	9	2614	4756	7370	3163	2804	5090	128	670	15	536	2404	2940	1653	16	2349	0	-
9	103 100	1480	1130	2610	0	1480	37	9	1434	3602	5036	3163	2804	5053	70	745	16	-346	2496	2150	740	717	1917	0	-
10	100 170	1390	650	2040	0	1390	35	9	1697	3382	5079	3163	2804	4115	66	760	17	501	1579	2040	668	28	1314	0	-
11	97 420	1750	630	2380	0	1750	44	9	985	3873	4858	3163	2804	4548	83	760	18	237	1523	1750	570	20	2240	0	-
12	93 940	1020	870	1890	0	1020	26	9	802	3034	4138	3163	2804	4484	40	720	19	-448	1938	1870	562	23	1167	0	-
13	91 920	555	550	1110	0	555	14	9	532	3606	4138	3163	2804	4312	26	675	20	-743	2283	1740	507	24	1376	0	-
14	90 820	832	315	1150	0	832	21	9	1112	2774	3884	3163	2804	4244	34	680	21	-154	1544	1390	786	25	1859	0	-
15	89 170	1150	290	1440	0	1150	29	9	2409	2119	4528	3163	2804	3948	54	595	22	179	1276	1600	780	26	1124	0	-
16	86 070	2480	290	2770	0	2480	62	9	2653	2803	5456	3163	2804	4249	130	615	23	1262	118	1480	307	27	1110	38	-
17	80 490	3080	290	3370	0	3080	77	9	1960	3107	5017	3163	2804	4249	130	615	24	1981	159	2140	1283	28	1640	42	-
18	75 790	2730	290	3020	0	2730	68	9	1278	2798	5076	3163	2804	4700	96	625	25	602	1228	1820	1101	29	1578	0	-
19	70 730	2020	290	2310	0	2020	51	9	1795	2451	4244	3163	2804	3971	62	650	26	92	1508	1620	745	30	1151	0	-
20	67 870	1320	290	1610	0	1320	33	9	1941	2430	4371	3163	2804	4190	78	710	27	592	407	970	575	31	1020	1	-
21	64 480	1850	290	2140	0	1850	46	9	2409	2431	4840	3163	2804	4511	118	660	28	425	532	957	171	316	287	15	-
22	60 920	2000	290	2290	0	2000	50	9	2497	2603	5100	3163	2804	4125	122	625	29	1031	439	1670	553	32	592	23	-
23	56 280	2480	290	2770	0	2480	62	9	2156	2874	5030	3163	2804	4119	105	645	30	816	984	1800	921	33	1414	0	-
24	51 300	2570	310	2880	0	2570	64	9	1816	2984	4800	3163	2804	3659	89	615	1	1014	644	1780	930	34	1472	5	-
25	46 280	2220	410	2630	0	2220	55	9	1465	3070	4553	3163	2804	3650	72	600	2	653	1257	1710	1158	35	1456	0	-
26	41 800	1870	570	2440	0	1870	47	7	1540	2784	4326	3163	2804	3263	75	552	3	1127	863	2000	1318	36	1487	0	-
27	38 100	1510	680	2190	0	1510	38	7	1306	2830	4136	3163	2804	2897	64	548	4	1170	770	1940	1200	37	1436	0	-
28	35 110	1580	410	1990	0	1580	40	6	495	3190	3685	3163	2804	2777	24	544	5	387	1123	1810	867	38	1318	0	-
29	31 980	1340	300	1640	0	1340	34	6	415	2766	3181	3163	2804	3043	30	521	6	71	907	978	449	39	959	0	-
30	29 890	508	290	798	0	508	13	6	415	2766	3181	3163	2804	3299	37	512	7	207	479	824	122	40	510	5	-
31	29 370	426	280	706	0	426	11	6	760	2370	3130	3163	2804	3834	50	512	8	41	583	544	-26	41	349	4	-
32	28 670	780	280	1060	0	780	20	6	1024	2397	3520	3163	2804	3497	55	498	9	-60	559	499	-26	42	283	0	-
33	26 590	1050	270	1320	0	1050	26	6	1121	2397	3520	3163	2804	3527	50	524	10	-65	715	450	-26	43	176	0	-
34	24 320	1150	270	1420	0	1150	29	6	1024	2476	3500	3163	2804	3112	44	575	11	17	776	490	-26	44	340	0</	

2-BB

W-BB

PENALTY
NORM FLOW
STOR.

DAILY SUMMARY OF DATA AT AND BETWEEN SNAKE RIVER GAGING STATIONS 1931

BLACKFOOT BR.

BLACK RIV.

CLOUGHS

DATE

AM. FALLS

NEELEY

DATE

LAKE

MINIDOKA CANALS

LOSS STOR.

STOR.

NORM

TOTAL

STOR.

NORM

STOR.

NORM

TOTAL

1931

RES.
CONT. AC. FT.

STOR.

NORM

TOTAL

1931

WALCOTT
CONT. AC. FT.

NORTH

SOUTH

TOTAL

STOR.

NORM

806

0

- 7

- 277

301

2

181

0

187

130

317

Aug 9

254 650

3530

2880

6410

Aug 10

56 760

1140

902

2062

1537

0

- 50

- 181

198

17

151

0

178

130

308

10

248 010

3430

2880

6310

11

51 170

1140

812

1972

1678

64

- 51

1060

- 1052

8

130

0

134

130

269

11

240 640

3220

2880

6200

12

55 450

1140

820

1780

2452

33

- 55

714

- 640

74

130

0

134

130

281

12

234 330

3280

2880

6160

13

40 380

1140

817

1977

2533

63

- 19

592

- 467

75

130

0

134

130

308

14

222 760

3250

2880

6130

15

29 590

1140

798

1928

2511

48

- 27

1807

- 559

448

171

0

151

130

730

15

217 670

3250

2880

6130

16

25 230

1140

753

1813

2569

0

- 32

- 1085

1329

254

220

0

421

130

551

16

210 550

4990

2880

7870

17

24 920

1140

756

1816

1917

0

- 70

- 1061

1078

62

228

0

322

130

452

17

199 130

6220

2880

9100

18

26 340

1140

778

1858

1316

0

- 58

- 109

236

127

235

0

274

130

404

18

187 090

6180

2880

9060

19

26 340

1140

761

1841

1390

0

- 61

- 282

717

435

244

0

396

130

526

19

175 830

5780

2880

8620

20

26 340

1140

758

1838

1189

0

- 56

- 979

1146

167

226

0

356

130

486

20

165 400

5960

2880

8340

21

25 330

1140

756

1816

1376

0

- 19

- 1431

1466

35

220

0

258

130

388

21

155 220

5260

2670

7950

22

24 820

1140

758

1808

1059

0

- 17

- 923

923

0

210

0

224

130

359

22

147 640

3830

2670

6520

23

23 800

1140

733

1931

MINIDOKA CANALS

PLATE NO. 13

SOUTH CANALS				HOWELLS				DATE	LAKE MILNER GAGE	GOODING			P.A. LATERAL	MAIN N.S. CAN.	N.S. CANAL CO.			T.F. CANAL CO.			MILNER LOWLIFT			PLATE NO. 13 SNAKE R. AT MILNER		
YTH	SOUTH	TOTAL	STOR.	NORM.	STOR.	NORM.	TOTAL			STOR.	NORM.	PROJECT			STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL
160	702	2062	2062	0	4280	2880	7160	Aug. 11	10.62	995	0	585	62	2210	2510	339	2857	879	2591	3420	160	0	160	10	0	10
160	812	1972	1972	0	4280	2880	7160	12	10.61	995	0	585	62	2200	2500	337	2847	809	2591	3360	196	0	196	10	0	10
160	820	1780	1780	0	4230	2880	7110	13	10.65	995	0	585	62	2180	2480	339	2827	799	2591	3300	196	0	196	10	0	10
150	821	1977	1977	0	4170	2880	7050	14	10.67	985	0	585	62	2160	2460	337	2807	809	2591	3300	197	0	197	10	0	10
150	826	1956	1956	0	4260	2880	7140	15	10.70	985	0	580	62	2160	2460	339	2802	819	2591	3360	196	0	196	10	0	10
130	798	1928	1928	0	4260	2880	7140	16	10.67	1000	0	580	62	2150	2450	339	2792	819	2591	3360	195	0	195	10	0	10
160	753	1813	1813	0	4230	2880	7110	17	10.66	1000	0	580	62	2150	2450	339	2792	809	2591	3300	192	0	192	9	0	9
160	754	1816	1816	0	4260	2880	7140	18	10.68	1000	0	580	62	2150	2450	339	2792	799	2591	3200	90	0	90	9	0	9
160	778	1858	1858	0	4140	2880	7020	19	10.73	1010	0	580	62	2150	2450	339	2792	709	2591	3200	93	0	93	10	0	10
160	261	1841	1841	0	3110	2880	6990	20	10.66	1000	0	580	61	2130	2430	339	2771	689	2591	3200	90	0	90	9	0	9
160	758	1838	1838	0	4070	2880	6950	21	10.60	990	0	580	61	2130	2430	339	2771	699	2591	3200	91	0	91	9	0	9
160	754	1816	1816	0	2650	2690	5340	22	10.54	1070	0	510	61	997	1229	339	1568	679	2591	3290	109	0	109	103	0	103
160	723	1773	1773	0	2650	2690	5340	23	10.68	1090	0	510	61	0	254	317	571	717	2591	3290	115	0	115	312	0	312
160	736	1776	1776	0	2650	2690	5340	24	10.68	1040	0	510	62	0	255	317	572	877	2371	3260	113	0	113	306	0	306
160	772	1842	1842	0	2670	2690	5360	25	10.70	1040	0	510	62	0	255	317	572	847	2371	3220	116	0	116	317	0	317
160	795	195	195	0	2670	2690	5360	26	10.50	1010	0	510	62	0	255	317	572	797	2371	3170	117	0	117	312	0	312
160	789	789	789	0	3050	2690	5740	27	10.73	1000	0	500	61	159	403	317	720	847	2371	3130	116	0	116	306	0	306
160	725	725	725	0	4170	2690	6860	28	10.54	1015	0	495	61	1890	2129	317	2496	717	2371	3090	114	0	114	275	0	275
160	764	764	764	0	4500	2690	7190	29	10.44	1025	0	465	61	1930	2139	317	2456	587	2371	2960	110	0	110	267	0	267
160	700	700	700	0	4530	2690	7220	30	10.45	1035	0	465	61	1970	2179	317	2496	517	2371	2890	106	0	106	285	0	285
160	659	659	659	0	4390	2690	7080	31	10.40	1055	0	445	62	1960	2150	317	2467	507	2371	2880	101	0	101	70	0	70
160	659	659	659	0	4050	2690	6740	32	10.51	995	0	445	61	1990	2179	317	2496	547	2371	2920	98	0	98	11	0	11
160	641	641	641	0	2300	2690	4990	2	10.70	1015	0	445	61	165	354	317	671	577	2371	2950	99	0	99	11	0	11
160	641	641	641	0	1720	2690	4410	3	11.01	975	0	445	62	0	190	317	507	577	2371	2950	101	0	101	13	0	13
160	711	711	711	0	930	2690	3620	4	11.00	945	0	435	62	0	180	317	497	457	2371	2890	101	0	101	14	0	14
160	736	736	736	0	730	2690	3420	5	10.79	935	0	435	63	0	181	317	498	337	2371	2710	100	0	100	12	0	12
160	733	733	733	0	750	2690	3440	6	10.59	925	0	435	63	0	181	317	498	227	2371	2600	100	0	100	12	0	12
160	725	725	725	0	770	2690	3460	7	10.36	930	0	430	63	0	176	317	493	217	2371	2570	100	0	100	11	0	11
160	708	708	708	0	890	2690	3580	8	10.07	980	0	430	63	0	176	317	493	177	2371	2550	82	0	82	10	0	10
160	645	645	645	0	970	2690	3660	9	10.01	965	0	425	63	0	171	317	488	97	2371	2470	80	0	80	11	0	11
160	633	633	633	29	2019	2661	4680	10	9.90	985	0	415	61	467	626	317	943	17	2371	2390	103	0	103	11	0	11
160	633	633	633	29	2019	2661	4680	11	9.99	1015	0	405	57	812	874	400	1274	0	2230	2250	93	0	93	0	11	11
160	641	641	641	159	2039	2431	4470	12	9.92	1025	0	375	52	887	914											

NAME	No.	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
SWAN VALLEY	1																																				
POPLAR IRR. DIST.	2																																				
PROGRESSIVE IRR. DIST.	3																																				
FARMERS FRIEND	4																																				
ENTERPRISE	5																																				
NELSON	6																																				
MATTSON-CARRIG	7																																				
HANSBERGER	8																																				
ROSS & HAND	9																																				
HARRISON	10																																				
CHENEY	11																																				
RUDY	12																																				
KITE & NORD	13																																				
BURGESS	14																																				
LOWDER & JENNINGS	15																																				
CONSOLIDATED FEEDER	16																																				
LENROOT	17																																				
REID	18																																				
HILL-PETTINGER	19																																				
RIGBY	20																																				
DILTS	21																																				
W. LABELLE & LONG ISLAND	22																																				
WHITE	23																																				
HENRY'S FORK CANALS	24																																				
CONANT CREEK	25																																				
BOONE CREEK	26																																				
MARYSVILLE	27																																				
FARMERS OWN	28																																				
ENTERPRISE IRR. DIST.	29																																				
FALL RIVER	30																																				
CHESTER	31																																				
SILKY	32																																				
DEWEY	33																																				
LAST CHANCE	34																																				
TWIN GROVES	35																																				
SALEM UNION	36																																				
INDEPENDENT	37																																				
CONSOLIDATED FARMERS	38																																				
WHITE & MARKET LAKE	39																																				
OSGOOD	40																																				
BEAR ISLAND	41																																				
SMITH	42																																				
IDAHO & BOOMER	43																																				
KENNEDY	44																																				
MARTIN	45																																				
NEW SWEDEN DISTRICT ET AL.	46																																				
WOODVILLE	47																																				
SNAKE RIVER VALLEY	48																																				
TOTAL HEISE TO WOODVILLE	49																																				
BLACKFOOT	50																																				
NEW LAVA SIDE	51																																				
PEOPLES	52																																				
ABERDEEN	53																																				
CORBETT	54																																				
DANSKIN	55																																				
TREGO	56																																				
TOTAL WOODVILLE TO BLACKFOOT	57																																				
MINIDOKA CANALS	58																																				
MILNER LOW LIFT IRR. DIST.	59																																				
TWIN FALLS CANAL CO.	60																																				
NORTH SIDE CANAL CO.	61																																				
RODING PROJECT	62																																				
UBANO POWER CO.	63																																				

[illegible][illegible]

CANALS 1931

25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	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	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500
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8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
0	0	0	3	2	2	2	1	1	1	1	1	2	2	3	3	3	3	2	2
0	0	0	1	2	2	10	10	11	11	11	0								
30	325	351	-40	-40	-40	99	104	65	0										
0	99	95	350	350	350	0	0	0	0	0	168	0							
18	71	60	42	52	47	52	50	0	0	0	0	12	0	0	0	0	0	35	16
46	46	46	58	56	0														
0	0	0	0	0	0	0	1	1	0										
0	96	118	120	111	118	0	0	0	0	0	119	118	68	86	89	89	31	0	
26	0	14	14	14	14	14	15	16	15	15	16	15	0						
72	0																		
0	0	0	0	0	0	10	10	10	10	10	16	0							
						0	2	2	2	2	2	2	2	2	2	0			
23	23	0																	
72	72	72	72	72	72	0	0	0	0	0	72	72	72	72	72	72	72	72	72
0	0	0	4	3	0														
0	0	1	0																
12	90	0																	
3	2	1	1	2	0	3	1	0											
29	48	24	21	13	18	29	41	44	53	40	0								
30	23	23	28	32	36	37	44	64	68	69	0	0	0	0	25	26	25	26	26
18	231	234	236	91	22	0													
33	1124	1039	710	760	643	258	279	214	160	148	394	221	144	163	189	190	131	135	116
0	0	0	0	0	0	0	0	352	206	0									
10	-18	-18	-18	-18	-18	-18	-18	60	60	60	60	0	-18	60	60	60	60	38	0
0	0	0	0	0	152	152	204	198	0										
0																			
12	-8	-8	-8	-8	-8	-8	33	0											
12	-26	-26	-26	-26	126	126	229	610	266	60	60	0	-18	60	60	60	60	38	0
18	665	609	482	282	127	42	126	537	672	746	718	712	361	372	58	0			
28	80	103	93	85	63	49	49	49	53	49	52	51	55	55	52	49	47	46	15
17	97	17	0																
16	171	626	879	914	914	702	47	10	10	12	19	24	802	820	790	770	279	289	220
50	945	985	1015	1025	1040	975	375	0											

No	TOTAL SEC. FT.	TOTAL AC. FT.	JACKSON LAKE EQUIV. AC. FT.	JACKSON LAKE RIGHT AC. FT.	AM. FALLS RIGHTS AC. FT.	AM. FALLS LEASE AC. FT.	PURCHASES AC. FT.	TOTAL RIGHT AC. FT.
1	580	1150	1240	0	0	0	0	1240
2	1343	2670	2880	825	193	362	(A) 900	2880
3	12807	25910	27466	0	14629	6680	(A) 6680	27466
4	643	1275	1375	1375	0	0	0	1375
5	5225	10380	11172	4190	10509	4800	(A) -8307	11172
6	47	93	100	0	0	0	0	100
7	187	371	400	0	0	0	0	400
8	33	65	70	0	0	0	0	70
9	-63	-124	-134	0	0	0	0	-124
10	12137	24100	25924	3430	11998	5500	(A) 5500	25924
11	87	164	177	0	0	0	0	177
12	3819	7580	8190	1370	2600	920	(A) 3500	8190
13	0	0	0	0	0	0	0	0
14	6750	13400	14446	3520	7996	2430	0	14446
15	568	1130	1215	715	0	0	(A) 500	1215
16	2400	4760	5137	2750	0	0	(A) 2387	5137
17	3425	6800	7330	2060	3497	2060	0	7330
18	1194	2370	2550	0	3802	1370	(A) -1370	2550
19	0	0	0	0	0	0	0	0
20	-187	-371	-400	0	0	0	0	-400
21	707	1400	1514	0	1074	480	0	1514
22	-502	-995	-1073	0	0	0	(A) -995	-1073
23	-28	-55	-54	0	0	0	(A) -55	-55
24	278	552	595	0	0	0	(A) 595	595
25	65	129	140	0	0	0	(A) 140	140
26	1546	3067	3307	0	0	0	(A) 3307	3307
27	486	963	1038	0	0	0	(A) 1038	1038
28	8283	16430	17716	0	12000	5500	(A) 216	17716
29	1524	3023	3258	0	0	0	(A) 3258	3258
30	448	897	1000	0	0	0	(A) 1000	1000
31	20	40	43	0	0	0	(A) 43	43
32	86	171	183	0	0	0	(A) 183	183
33	140	278	300	0	0	0	(A) 300	300
34	2535	5027	5420	0	0	0	(A) 5420	5420
35	1356	2690	2900	0	0	0	(A) 2900	2900
36	185	366	370	0	0	0	(A) 370	370
37	1309	2597	2800	0	0	0	(A) 2800	2800
38	3960	7860	8474	0	3802	1370	(A) 4102	8474
39	9900	19600	21200	0	15852	7250	(A) 440	21200
40	141	280	302	0	225	103	(A) -2	302
41	26	52	54	0	19	36	0	54
42	20582	40800	43786	0	26986	12400	(A) 4600	43786
43	245	486	525	245	0	0	(A) 280	525
44	1856	3680	3964	1030	1909	1025	0	3964
45	21647	42900	46275	3430	28520	13100	(A) 1217	46275
46	4195	8310	8980	0	9600	4084	(A) -4000	8980
47	26481	52500	56643	10300	27643	12700	(A) 6000	56643
48								
49								
50								
51	157,898	313,151	337,793	35,240	180,104	83,140		337,793
52								
53	9825	19480	21033	0	15033	5000	(A) 1000	21033
54	1404	2780	3000	0	0	0	(A) 3000	3000
55	19650	39000	42121	5490	22337	10300	(A) 4000	42121
56	48820	96900	104382	29300	41333	(A) 20749	(A) 13000	104382
57	2722	5400	5820	0	4000	1830	0	5820
58	-1260	-2500	-2645	0	0	0	(A) -2500	-2645
59	997	1980	2132	0	1462	670	0	2132
60								
61	82,158	163,040	173,803	34,790	84,159	38,549		173,803
62								
63	287401	570,060			534,532		(A) 40618	570,060
64	18795	37,280			38,670		(A) -947	37,280
65	74645	148,060			153,896		(A) -9142	148,060
66	302377	604,600			379,967		(A) 68,811	604,600
67	127,841	253,200			256,430		0	253,200
68	2553	5060			5,060		0	5060

NOTES

- (a) From Enterprise Canal Co.
 - (b) 6507 Transfer from Enterprise, 100 O.S. Lee purchase from pool, less 400 sold to Mattson-Craig.
 - (c) Transfer 6507 to Progressive Dist, 900 to Poplar Dist, 900 to Rudy.
 - (d) Purchase from Pool.
 - (e) 400 purchase from Progressive, 300 purchase from Pool, less 300 sold to Marysville.
 - (g) Sold to pool.
 - (j) Purchase from Gov't. 3000; purchase from Enterprise Canal 900.
 - (h) 1000 purchase from Pool, 240 from Gov't.
 - (i) 1077 " " " , 1370 " Reid.
 - (m) Sold to Consolidated Feeder.
 - (w) Purchase 720, less 43 transferred to Silky, less 82 to Fall River Canal.
 - (x) Purchase 3400 from Pool, 300 from Mattson-Craig, less 393 transferred to Fall River Canal.
 - (y) Purchase 1167 from Pool, less 129 transferred to Fall River Canal.
 - (z) Purchase 570 from Pool, Carried 200 for Canyon Creek, 345 for Siddoway, less 919 transferred to Fall River.
 - (aa) Purchased 1600 from Pool, 373 transfer from Marysville, 129 from Farmers Own, 919 from Enterprise, 82 from Conant Creek, 135 for Siddoway.
 - (bb) Transfer from Conant Creek.
 - (cc) 5000 from Gov't. 420 from Pool
 - (n) 4000 from Pool, 100 from Osgood, and 2 from Bear Island.
 - (o) 1620 from Twin Lakes, less 1080 transferred to New Sweden and 100 sold to Butte and Market Lake.
 - (p) Transfer to Butte and Market Lake.
 - (r) 120 purchase by Hartert, 17 by Keller, 1080 transfer from Osgood.
 - (s) 3000 sold to New Lava Side, 1000 donated to Pool.
 - (t) 10000 purchase from Gov't., less 4000 sold to Pool.
 - (u) Purchase from Woodville.
 - (v) Includes 1880 transferred from Blackfoot.
 - (f) Held at Jackson Lake.
 - (dd) 84759 purchase from T.F.C.Co. less 15448 used by Minidoka
 - (ee) 26607 for Power Co., 3654 Hillsdale & 1887 1st Sag. pumps
 - (ff) 17060 remaining in Lake Walcott Sept. 30, exchanged for Am. Falls; 15948 from N.S.C.Co.; 447 from Milner Law List; 6663 from T.F.C.Co.
 - (gg) Used by Minidoka Dist.
 - (hh) Sold 84759 To N.S.C.Co., 6663 used by Minidoka Dist.
- Note: Lower valley holdovers on Sept 30 were partly in American Falls Res. and partly in Lake Walcott

Note: Lower valley holdovers on Sept 30 were partly in American Falls Res. and partly in Lake Walcott

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY
STORED NORMAL FLOW AT MORAN FOR LOWER VALLEY CANALS

File Number Washington
District

Acres Feet per day (Moran dates)

Plate 15

Day	April		May			June		
	Milner North	Mineola Project	Milner North	Milner South	Mineola Project	Milner North	Milner South	Mineola Project
1								
2			360	0	1450	90	700	820
3			830	0	1420	1740	0	3300
4			820	0	1440	5320	0	3200
5			1430	0	1270	3490	700	3930
6			1200	0	1510	530	940	3930
7			1580	0	1350	130	960	3260
8			2120	0	1270	120	890	1690
9			1480	0	1920	50	370	2180
10			0	0	2730	30	250	1450
11			0	0	2040	70	560	560
12			0	790	0	0	0	0
13			0	0	0			
14			0	0	0			
15			260	0	2920			
16			2270	0	0			
17	1120	0	2220	0	990			
18	0	0	0	0	0			
19	0	0	0	0	0			
20	0	0	0	0	0			
21	220	0	0	0	0			
22	994	0	0	0	0			
23	1570	0	0	0	0			
24	1340	0	0	0	0			
25	445	445	0	0	910			
26	0	900	1230	0	3310			
27	0	890	460	210	3430			
28	0	1120	160	510	3430			
29	1310	1160	30	170	0			
30	1170	1000	0	0	0			
31			0	0	0			
Season Total Acres Feet						36189	7050	62305

DAILY DISCHARGE IN SEC. FT. OF HENRYS FORK CANALS FOR MAY 1931

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
HARRISFIELD	0	0	0	0	0	0	0	0	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	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
TOTAL ABOVE SQUIRREL	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
FARMERS OWN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	68	66	72	78	88	90	96	102	104	54	0	0	0	0	110	54	100	136	148	125	104	102	113	115	110	146	74	0	0	0	0	0
BELL	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	9	8	7	4	2	1	3	7	13	13	10	8	8	5	2	6	0
FALL RIVER	237	237	237	237	237	250	260	270	280	284	311	338	364	357	350	431	287	348	362	387	387	368	383	448	462	455	421	431	404	373	409	0
MCBEE	2	2	2	2	2	2	2	2	2	2	3	4	4	5	6	7	6	4	4	3	4	4	4	4	4	4	7	6	8	6	4	0
CHESTER	75	75	75	74	72	71	69	68	67	66	71	76	76	38	0	0	46	80	80	67	0	0	0	0	0	50	84	83	80	72	30	0
SILKEY	1	1	1	1	1	1	2	3	4	5	7	9	2	2	2	23	22	8	7	3	1	1	15	32	36	24	20	20	15	10	16	0
CURR	24	24	24	24	24	24	40	57	57	57	58	54	56	53	50	46	46	43	38	32	32	33	41	47	51	50	53	51	43	41	22	0
WHITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL SQUIRREL TO CHESTER	405	405	411	416	420	438	469	502	519	468	450	486	502	459	527	588	552	714	683	629	539	511	563	670	737	823	710	643	592	467	463	0

HENRYS FORK CANALS

DEWEY	20	21	20	20	20	20	19	19	19	10	0	0	0	0	0	11	11	18	10	0	0	0	0	0	10	14	19	20	21	8	2
LAST CHANCE	70	73	72	71	70	68	67	66	65	63	32	0	54	30	0	0	92	46	15	40	0	0	0	0	45	88	80	84	90	10	10
ST. ANTHONY UNION	480	484	485	487	488	480	482	481	470	460	468	477	486	488	440	487	444	465	457	484	500	487	486	484	468	471	473	481	484	463	484
FARMERS FRIEND	213	213	216	214	220	222	223	190	158	126	63	0	0	0	0	0	236	248	214	0	0	0	0	0	112	236	203	0	150	0	0
TWIN GROVES	54	54	67	80	94	108	121	136	148	148	54	54	55	54	63	67	58	51	47	46	44	0	0	0	31	55	53	123	107	162	121
SALEM UNION	215	215	218	210	222	225	227	211	215	214	222	225	217	231	235	239	215	219	187	248	252	226	0	54	167	231	241	217	213	217	241
TOTAL ASHTON TO ST. ANTHONY	1052	1060	1078	1077	1114	1133	1151	1103	1075	1035	849	756	827	808	788	798	1054	1050	938	825	801	613	486	538	833	1100	1041	925	1065	840	858
EGIN	337	337	336	335	334	332	330	329	328	259	322	325	327	330	332	335	346	335	331	355	353	355	355	354	351	344	317	331	310	353	367
ST. ANTHONY UNION FEEDER	88	88	87	87	86	86	86	85	88	52	60	68	76	84	92	98	84	73	62	80	80	81	86	86	81	76	77	81	77	76	87
INDEPENDENT	334	334	331	323	315	307	294	282	284	190	140	95	0	0	0	265	347	327	327	0	0	0	0	0	347	357	314	347	273	231	280
CONSOLIDATED FARMERS	311	311	254	314	321	311	318	306	253	167	201	284	304	334	348	334	314	304	271	245	254	167	160	160	206	225	221	223	188	104	206
TOTAL ST. ANTHONY TO REXBURG	1075	1075	1013	1049	1056	1036	1033	1012	913	672	773	867	892	748	772	1033	1071	1034	941	680	687	603	601	610	985	996	934	982	840	764	948

TETON RIVER CANALS

SEROWAY	5	5	5	5	6	5	5	5	4	4	3	2	1	0	0	8	13	9	10	7	4	6	5	5	6	13	12	13	15	14	14	214
WILFORD	126	139	151	163	156	163	154	151	143	135	128	121	114	106	151	66	71	149	163	116	82	80	71	77	80	84	71	61	62	60	67	3476
TETON IRRIGATION	0	0	0	0	0	3	6	4	7	39	43	47	51	54	54	60	71	68	62	60	58	64	55	53	57	54	63	63	54	47	46	1254
GOOD LUCK	0	2	4	6	5	7	7	7	7	7	18	24	40	50	44	47	51	10	33	19	26	17	16	17	24	28	19	17	16	14	15	602
PIONEER	4	14	19	24	26	25	25	23	22	21	22	23	24	26	30	12	14	17	17	15	13	9	11	11	11	13	12	13	14	11	10	536
STEWART	0	5	10	16	17	17	18	16	12	13	12	14	15	16	18	11	13	16	18	11	15	13	12	13	16	14	9	7	7	7	7	514
PINCOCK BYINGTON	12	12	13	13	13	13	12	12	12	13	13	14	15	15	15	16	19	20	15	4	8	8	8	8	8	9	8	8	8	8	8	718
PINCOCK GARNER	21	21	22	23	23	31	31	32	26	20	22	25	27	30	34	37	39	27	19	16	20	20	19	18	0	31	13	14	16	20	16	10445
TETON ISLAND FEEDER	247	273	299	325	364	375	381	386	331	244	320	346	372	349	443	508	536	360	300	276	264	244	219	236	304	340	322	328	356	328	334	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	625
ROXANA	0	17	34	53	54	17	0	5	10	16	10	17	24	31	54	40	38	31	21	19	11	5	4	8	8	11	20	21	18	17	25	272
ISLAND WARD	0	7	14	23	14	7	0	5	9	14	14	14	15	15	24	0	22	44	21	0	0	0	0	0	0	0	0	0	0	0	0	812
WOODMANSEE JOHNSON	13	17	41	55	32	37	42	35	24	22	24	26	28	30	43	27	27	23	18	14	16	21	18	24	40	24	18	12	13	12	12	1300
CITY OF REXBURG	39	40	40	41	47	48	49	50	45	39	38	38	36	36	43	51	51	47	38	35	34	36	35	39	48	42	41	43	46	45	38	4452
REXBURG IRRIGATION	117	122	127	132	145	145	144	143	142	142	146	150	155	159	164	105	173	164	120	95	100	100	120	100	125	137	150	175	201	194	160	62
SOLIMULI DOWNS	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
TOTAL	571	686	781	881	895	881	881	802	781	816	860	919	974	1174	1076	1151	997	867	689	663	630	615	611	731	817	760	777	828	774	754	25544	

DAILY DISCHARGE IN SEC. FT. OF HENRYS FORK CANALS FOR JUNE 1961

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HARRIGFIELD	16	18	15	14	14	12	9	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116
MARYSVILLE	180	179	0	184	172	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	80	82	81	81	0	0	0	0	0	1632
TOTAL ABOVE SQUIRREL	204	197	15	198	186	12	9	10	0	0	0	0	0	0	0	0	0	0	0	0	45	80	82	81	81	0	0	0	0	0	1206
FARMERS OWN	45	44	45	0	45	0	0	0	0	0	0	6	6	6	6	6	6	0	0	0	0	31	42	41	26	26	0	0	0	0	381
ALMY	0	4	4	4	3	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
ENTERPRISE	0	190	142	138	138	104	0	0	0	0	0	0	0	0	0	120	60	0	0	0	0	20	33	0	0	68	82	81	81	81	1326
BELL	10	11	9	9	5	6	6	3	2	2	4	3	3	3	2	2	6	9	9	8	4	4	4	6	7	7	7	4	0	0	155
FALL RIVER	451	459	409	341	320	324	371	354	379	435	446	431	415	444	444	291	366	453	448	440	383	366	337	337	341	337	341	358	335	329	11984
McBEE	6	6	6	6	4	4	4	2	2	1	3	3	2	2	3	2	3	2	4	3	1	0	0	0	0	0	0	0	0	0	69
CHESTER	99	100	96	95	85	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	560
SILKEY	26	26	25	25	18	18	17	12	12	8	9	7	12	9	12	21	20	17	16	9	4	2	0	0	9	23	20	11	0	0	388
CURR	25	25	25	24	24	24	24	64	57	48	48	48	46	44	44	45	48	46	38	29	24	30	6	6	33	18	37	31	28	43	1032
TOTAL SQUIRREL-CHESTER	660	813	761	642	642	600	425	436	452	494	516	498	484	508	511	487	563	527	515	489	447	444	421	375	416	453	487	485	444	448	15419

HENRYS FORK CANALS

DEWEY	19	19	15	11	11	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	6	20	20	10	0	0	0	176
LAST CHANCE	74	74	73	74	68	62	62	14	0	0	0	0	0	0	0	44	52	44	36	28	0	0	0	0	0	0	0	0	0	0	703
ST ANTHONY UNION	492	448	467	459	471	475	478	467	465	486	491	487	484	481	484	479	475	475	476	486	481	481	489	481	471	484	481	484	481	471	14356
FARMERS FRIEND	55	150	146	99	90	86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	11	21	21	21	0	0	719	
TWIN GROVES	96	111	110	99	95	126	127	122	115	111	71	72	75	77	0	0	0	0	0	0	120	109	110	115	91	0	0	110	101	101	2264
SALEM UNION	203	197	132	155	189	207	245	225	217	177	203	187	177	161	173	159	143	125	107	99	0	0	114	161	143	181	187	153	161	181	4662
TOTAL ASHTON-ST. ANTHONY	939	1019	943	897	924	976	933	828	797	779	765	746	736	719	657	618	662	652	671	671	679	590	718	782	736	711	619	768	743	753	22882
EGIN	349	306	306	306	292	328	324	353	353	351	360	364	340	338	364	290	304	218	244	279	272	286	331	340	337	311	320	196	197	194	9153
ST. ANTHONY UNION FEEDER	90	67	67	64	61	83	80	81	70	57	75	76	72	74	83	76	75	88	87	94	94	92	81	74	55	89	70	76	108	70	2385
INDEPENDENT	55	331	292	258	277	277	254	151	0	0	0	0	0	0	46	42	39	50	55	41	43	42	41	40	33	68	39	42	41	39	2990
CONSOLIDATED FARMERS	278	274	264	211	218	216	199	164	144	144	155	142	125	102	87	77	59	58	71	77	142	169	181	80	40	56	80	117	171	146	4274
TOTAL ST ANTHONY-REXBURG	1076	978	931	839	848	904	857	754	567	552	590	582	537	514	580	485	477	454	457	511	551	589	634	534	465	524	529	453	511	469	18722

TETON RIVER CANALS

SIDDOWAY	14	15	14	14	13	13	13	17	15	14	14	13	13	12	11	10	10	10	11	13	13	13	14	14	13	7	0	0	0	0	333
WILFORD	48	73	121	125	122	122	121	121	117	114	113	108	79	68	68	70	69	67	65	66	65	65	62	64	64	55	48	68	63	59	2486
TETON IRRIGATION	48	53	56	54	52	51	49	59	53	48	48	48	48	46	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	1732
GOOD LUCK	14	15	16	15	14	14	14	14	13	13	13	12	12	12	12	12	12	11	11	10	11	11	11	11	11	11	11	11	11	11	368
PIONEER	11	13	13	14	13	14	14	13	15	14	14	13	13	15	14	14	10	10	11	11	11	11	11	11	11	11	11	11	11	11	366
STEWART	8	9	12	21	20	20	20	21	19	17	18	13	11	9	11	11	9	8	9	8	8	8	8	8	8	7	8	8	8	8	353
PINCOCK BYINGTON	8	8	13	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	298
PINCOCK GARNER	12	14	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	392
TETON ISLAND FEEDER	320	430	440	379	353	363	372	389	356	331	340	337	389	369	331	340	291	285	198	175	170	148	118	123	105	99	125	116	112	105	7911
NORTH SALEM	0	0	0	0	0	0	0	3	3	3	3	3	3	3	3	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	32
ROXANA	23	19	21	23	28	26	25	30	30	24	19	18	13	13	13	12	16	19	22	17	12	10	8	7	7	7	7	7	7	7	489
ISLAND WARD	0	0	0	0	0	0	0	26	24	17	8	8	7	7	6	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	117
WOODMANSEE JOHNSON	11	23	24	35	34	37	36	35	28	29	26	13	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	884
CITY OF REXBURG	31	39	35	41	45	42	40	40	37	36	36	35	29	27	26	28	24	30	31	34	36	38	39	38	36	37	37	37	37	37	1039
REXBURG IRRIGATION	118	177	237	194	177	173	171	144	123	125	131	125	171	135	129	123	105	109	112	109	107	113	122	126	128	129	134	135	127	126	4189
REXBURG GOWE	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	60
TOTAL	746	890	1034	944	985	909	929	947	871	819	817	771	731	681	720	732	640	652	547	533	528	504	480	485	467	436	482	456	441	429	20599

DAILY DISCHARGE IN SEC. FT. OF HENRYS FORK CANALS FOR JULY 1931
FALL RIVER-CANALS

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	
YELLOWSTONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HARRIGFELD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MARYSVILLE	143	143	143	144	141	141	70	0	0	0	0	0	0	0	0	132	137	137	137	134	134	56	0	0	0	0	0	0	0	0	0	0	1792
TOTAL ABOVE SQUIRREL	143	143	143	144	141	141	70	0	0	0	0	0	0	0	0	132	137	137	137	134	134	56	0	0	0	0	0	0	0	0	0	0	1792
FARMERS OWN	40	40	40	46	45	45	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	40	40	40	40	0	0	0	0	467	
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	99	116	118	118	117	118	118	117	118	118	118	118	120	120	120	120	118	118	119	120	120	120	120	121	121	131	139	141	140	140	136	3777	
BELL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
FALL RIVER	217	98	50	0	0	0	0	0	0	0	56	111	106	111	111	111	115	123	0	0	73	55	55	65	52	58	45	41	41	0	0	1694	
MCBEE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CHESTER	0	0	0	0	0	0	0	0	0	0	0	15	19	19	18	17	1	0	20	20	9	16	17	19	20	19	18	20	19	20	20	326	
SILKEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CURR	41	9	39	57	60	59	28	24	28	29	26	28	27	26	21	21	22	12	39	37	32	42	33	33	31	47	27	28	28	28	28	990	
TOTAL SQUIRREL-CHEST.	397	263	247	221	222	222	157	141	146	147	200	272	272	276	270	269	256	253	178	177	234	233	265	278	264	295	269	230	228	188	184	7254	

HENRYS FORK CANALS

DEWEY	0	0	0	0	0	0	10	19	18	20	20	21	21	20	20	20	16	17	15	15	15	18	18	18	18	0	0	0	0	0	339	
LAST CHANCE	0	50	48	44	46	47	44	44	48	48	48	24	0	0	0	0	0	48	48	46	46	47	0	0	0	0	0	0	0	0	726	
ST ANTHONY UNION	431	417	290	340	411	409	404	409	417	407	411	401	419	415	414	422	451	463	454	454	447	478	346	372	216	290	275	296	270	270	411	11970
FARMERS FRIEND	0	0	0	0	0	0	0	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	114	88	88	87	85	80	79	78	101	96	77	76	78	80	0	0	0	0	0	0	46	39	32	27	27	20	16	16	0	0	0	1430
SALEM UNION	161	217	217	217	215	161	159	181	181	119	60	0	0	0	0	0	0	0	0	0	0	0	96	93	0	0	0	0	0	0	0	2077
TOTAL ASHTON-ST ANTHONY	746	772	643	688	657	697	686	722	764	688	616	521	518	516	434	442	471	479	519	517	554	578	443	513	354	328	311	312	270	270	411	16592
EGIN	196	205	205	202	199	205	196	208	202	205	208	244	244	244	246	239	246	249	242	241	184	197	200	241	247	200	194	200	197	194	197	6677
ST ANTHONY UNION FEEDER	86	97	97	96	93	94	92	95	93	94	97	100	95	95	93	93	86	95	92	97	90	83	87	83	39	45	42	42	44	45	2567	
INDEPENDENT	38	109	109	98	89	100	95	104	98	103	106	92	100	100	102	100	102	106	103	98	103	98	106	98	106	98	97	0	0	0	0	2682
CONSOLIDATED FARMERS	95	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	1679
TOTAL ST ANTHONY-REXBURG	415	494	589	569	521	516	510	549	537	533	534	500	439	439	441	432	434	450	437	430	377	375	395	488	503	371	327	242	241	242	285	13603

TETON RIVER CANALS

BIDDOWAY	0	0	7	7	7	8	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	157
WILFORD	55	35	33	33	33	36	36	33	33	33	32	33	33	37	41	40	41	42	34	25	32	28	20	21	21	22	22	29	29	26	26	976
TETON IRRIGATION	59	53	50	40	39	34	36	33	41	40	44	40	43	33	32	30	31	30	27	22	17	17	16	31	34	30	29	30	28	27	31	1044
GOOD LUCK	9	9	8	8	8	8	8	8	7	7	8	7	7	6	6	6	5	5	5	5	5	5	7	7	7	7	6	6	5	5	5	201
POWELL	11	11	13	12	12	12	12	12	11	12	11	10	10	10	10	10	9	9	9	10	10	10	10	10	10	10	10	10	11	11	12	331
STEWART	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	211
PINGOCK BYINGTON	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	236
PINCKNEY GARNER	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	254
TETON ISLAND FEEDER	103	103	101	103	91	95	99	103	103	103	101	99	97	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	2318
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	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	120
ISLAND WARD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WOODMANSEE JOHNSON	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	77
CITY OF REXBURG	23	23	26	26	23	22	19	18	17	18	25	22	21	22	24	23	23	22	17	21	19	21	23	31	27	28	26	25	17	18	19	703
REXBURG IRRIGATION	192	191	134	144	142	143	138	130	121	111	112	105	105	120	116	113	112	109	105	107	107	118	118	104	115	113	120	121	117	117	123	3742
MCCORMICK ROWE	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	76
TOTAL	426	413	405	404	387	340	384	376	371	374	373	397	358	354	348	342	343	330	295	311	301	307	312	317	330	326	343	352	334	334	380	11014

DAILY DISCHARGE IN SEC. FT. OF HENRYS FORK CANALS FOR AUGUST 1931

FALL RIVER CANALS

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
YELLOWSTONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HARRIGFELD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MARYSVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0
FARMERS OWN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	121	133	122	120	124	120	128	128	128	122	121	121	118	115	115	114	135	135	135	135	127	123	122	122	0	24	25	26	25	24	26	3157
BELL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FALL RIVER	0	0	0	0	0	65	80	52	41	41	41	41	57	60	0	0	0	0	0	45	46	46	0	0	0	119	104	0	167	0	1172	
MCBEE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHESTER	0	0	19	19	19	19	20	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SILKEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CURR	27	27	28	27	27	26	27	27	27	27	27	27	27	27	28	28	28	28	28	28	28	25	25	25	27	27	25	26	26	26	28	834
TOTAL SQUIRREL-CHESTER	163	160	169	166	170	238	255	227	216	190	189	189	202	202	143	142	163	163	163	208	201	194	147	147	27	218	169	156	51	277	54	5299

HENRYS FORK CANALS

DEWEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAST CHANCE	0	0	0	10	40	36	14	10	9	10	6	0	0	0	0	0	0	0	29	31	29	30	0	0	0	0	0	0	0	0	0
ST ANTHONY UNION	383	385	387	380	374	391	390	332	296	315	318	324	334	331	331	324	324	162	319	319	319	319	323	319	0	301	302	302	100	321	9749
FARMERS FRIEND	0	0	0	0	0	0	0	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	0	0	0	0	0	35	32	32	32	34	0	0	0	0	0	0	36	37	38	0	0	0	0	0	0	36	26	22	22	36	0
SALEM UNION	0	0	0	0	0	86	88	80	0	0	0	0	0	0	0	0	83	85	83	0	0	0	0	0	0	80	0	0	0	83	0
TOTAL ASHTON-ST ANTHONY	419	383	385	377	420	536	525	522	373	340	321	318	324	334	331	331	443	446	312	350	348	349	319	323	319	124	327	324	332	227	321
ECIN	200	194	197	196	192	183	192	192	208	202	192	197	191	194	194	191	10	5	217	197	191	194	204	194	194	200	191	194	191	191	197
ST ANTHONY UNION FEEDER	70	70	70	70	88	83	85	84	94	63	62	63	64	64	64	64	66	66	33	66	80	83	58	60	60	0	62	63	63	78	2113
INDEPENDENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONSOLIDATED FARMERS	0	0	0	0	0	107	123	0	0	0	0	0	0	0	0	0	111	104	107	0	0	0	0	0	0	90	0	0	0	90	0
TOTAL ST ANTHONY-REXBURG	290	284	287	286	280	373	400	276	302	265	254	260	255	250	250	255	187	175	357	263	271	277	262	254	254	434	253	257	254	462	275

TETON RIVER CANALS

SIDDOWAY	12	14	14	7	0	0	0	0	0	0	0	0	0	0	0	0	14	14	14	14	0	0	0	0	0	0	0	0	0	0	103
WILFORD	30	34	33	25	22	21	21	21	21	20	17	17	18	19	19	18	18	18	18	17	16	17	16	16	15	14	13	12	12	12	592
TETON IRRIGATION	36	44	44	33	30	29	32	30	32	28	25	23	23	28	28	28	27	28	28	27	25	28	28	26	28	20	20	16	19	18	849
GOOD LUCK	4	7	6	4	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	119
PIONEER	11	11	10	10	12	11	12	12	11	11	11	11	11	13	12	11	11	10	11	13	9	12	11	12	12	11	11	11	11	11	357
STEWART	8	8	8	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	211
PINCOCK BYINGTON	8	8	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	215
PINCOCK GARNER	10	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	9	9	9	9	9	8	8	8	8	8	8	8	8	270
TETON ISLAND FEEDER	116	112	105	93	101	95	106	97	95	93	91	91	95	118	132	127	110	99	97	99	97	95	88	82	84	75	75	75	75	75	80
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ISLAND WARD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WOODMANSEE JOHNSON	17	11	9	17	18	17	18	17	18	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	226
CITY OF REXBURG	20	20	21	20	23	23	24	32	31	31	31	31	31	34	35	38	31	31	33	33	27	26	27	25	23	21	23	23	20	10	856
REXBURG IRRIGATION	130	127	125	125	121	125	129	123	125	126	118	117	127	140	147	151	145	135	133	133	127	127	124	148	122	114	119	129	126	123	117
PIEDMONT SOWE	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	93
TOTAL	410	421	398	360	356	350	373	347	345	338	322	319	328	384	407	405	375	365	364	364	357	346	341	349	321	297	304	301	295	286	10825

DAILY DISCHARGE IN SEC. FT. OF HENRYS FORK CANALS FOR SEPTEMBER 1931
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	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	
MARYSVILLE	0	0	0	0	0	0	0	26	0	14	14	14	14	14	15	16	15	15	14	16	16	16	16	16	17	17	16	17	18	18	18	358
TOTAL ABOVE SQUIRREL	0	0	0	0	0	0	0	26	0	14	14	14	14	14	15	16	15	15	14	16	16	16	16	16	17	17	16	17	18	18	18	358
FARMERS OWN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	15	19	11	11	12	12	12	12	12	12	12	159
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	
ENTERPRISE	26	28	28	90	91	92	91	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	44	52	676	
BELL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
FALL RIVER	0	0	0	0	0	0	113	111	85	0	0	0	0	43	43	40	40	40	40	0	0	0	0	0	0	0	0	0	0	0	0	575
MCBEE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CHESTER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SILKEY	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	5	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	
CURR	27	26	27	26	26	26	25	25	26	26	25	25	26	25	25	25	25	23	23	23	22	20	19	18	18	18	18	14	14	14	680	
TOTAL SQUIRREL-CHESTER	53	54	55	114	117	118	129	127	111	26	25	25	31	73	73	70	70	68	107	43	41	31	30	30	30	30	30	64	75	78	2130	

HENRYS FORK CANAL

DEWEY	0	0	0	0	0	10	10	10	10	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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TETON RIVER CANALS

SIDDOWAY	0	0	0	0	11	11	12	12	12	0	0	0	0	11	11	11	14	13	12	11	0	0	0	0	0	0	0	0	0	141	
WILFORD	13	12	12	12	12	11	11	10	10	10	9	9	9	9	9	9	9	9	9	9	9	9	12	18	19	19	19	18	18	362	
TETON IRRIGATION	16	16	19	18	17	18	18	13	14	14	11	15	15	27	28	37	37	40	37	18	20	16	13	14	14	14	15	14	17	589	
GOOD LUCK	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	101	
PIONEER	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	10	11	11	11	11	12	10	11	10	10	10	9	9	296	
STEWART	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	123	
PINCOCK BYINGTON	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	7	189	
PINCOCK GARNER	7	7	7	7	10	10	10	10	10	11	10	10	10	0	0	9	8	1	6	6	14	15	15	15	15	14	10	10	10	293	
TETON ISLAND FEEDER	80	78	76	75	68	71	68	68	64	64	68	75	75	95	95	114	136	116	108	114	80	105	99	99	99	91	110	112	100	114	2733
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	
ROXANA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ISLAND WARD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WOODMANSEE JOHNSON	9	9	10	9	7	1	1	1	1	0	0	0	0	0	7	4	2	2	3	5	1	0	0	0	0	1	2	11	13	13	128
CITY OF REXBURG	19	19	23	23	22	23	22	29	28	28	22	20	20	0	0	0	0	0	0	0	0	14	20	15	14	15	17	13	14	14	446
REXBURG IRRIGATION	123	124	128	125	119	118	116	120	120	120	121	113	114	116	101	95	94	82	76	83	125	133	127	124	126	123	107	101	100	98	3379
REXBURG 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	75	
TOTAL	360	297	304	297	293	290	285	289	285	273	267	268	269	300	283	306	331	294	282	268	240	325	310	307	314	307	312	304	307	311	8885

Henry's Fork at Lake	Henry's Fork at Warm River			Date	Henry's Fork at Warm River			Loss Stored W. R. to Ashlon	Date	Henry's Fork at Warm River		
	Stored	Normal	Total		Stored	Normal	Total			Stored	Normal	Total
May 14	0	9	9						May 14			
15	0	9	9				837		May 15			
16	0	9	9				861		16			
17	0	9	9				874		17			
18	0	9	9				893		18			
19	0	9	9				891		19			
20	0	9	9				812		20			
21	0	9	9				794		21			
22	0	9	9				782		22			
23	0	9	9				770		23			
24	0	9	9				759		24			
25	0	9	9				759		25			
26	0	9	9				770		26			
27	0	9	9				770		27			
28	0	9	9				770		28			
29	0	9	9				770		29			
30	10	10	20				764		30			
31	11	11	22				747		31			
June 1	11	11	22				741		June 1			
2	11	11	22				747		2			
3	11	11	22				753		3			
4	11	11	22				764		4			
5	11	11	22				770		5			
6	11	11	22				747		6			
7	11	11	22				741		7			
8	11	11	22				735		8			
9	11	11	22				735		9			
10	11	11	22				741		10			
11	11	11	22				753		11			
12	11	11	22				747		12			
13	0	24	24		0	153	753		13	0	1030	1030
14	17	40	57	0	17	765	782	0	14	17	1013	1030
15	37	38	75	1	15	746	782	0	15	36	994	1030
16	46	37	83	1	16	743	788	0	16	45	965	1010
17	49	35	84	1	17	734	782	0	17	48	949	997
18	51	34	85	1	18	750	800	1	18	49	948	997
19	104	33	137	2	19	741	843	1	19	101	939	1040
20	141	31	172	2	20	741	880	1	20	138	962	1100
21	144	30	174	3	21	708	899	1	21	140	960	1150
22	167	28	195	4	22	689	970	1	22	180	920	1200
23	163	27	190	5	23	675	990	2	23	200	917	1230
24	1587	26	1613	5	24	678	996	2	24	216	884	1180
25	1497	24	1521	5	25	660	976	2	25	214	866	1180
26	14312	23	14335	4	26	676	931	1	26	240	840	1200
27	13786	21	13807	4	27	701	950	1	27	248	802	1270
28	13245	20	13265	4	28	690	983	1	28	242	738	1230
29	12600	19	12619	5	29	669	964	1	29	244	676	1170
30	11541	17	11558	4	30	659	938	1	30	245	620	1140
31	11026	16	11042	4	31	681	950	1	31	255	591	1160
July 1	10484	15	10499	4	1	688	944	1	1	256	588	1160
2	9857	14	9871	4	2	676	944	1	2	269	599	1170
3	9277	13	9290	4	3	688	950	1	3	261	599	1170
4	8672	12	8684	4	4	688	950	1	4	259	573	1260
5	8076	11	8087	4	5	692	938	1	5	287	545	1180
6	7424	10	7434	4	6	692	938	1	6	284	516	1140
7	6824	9	6833	4	7	675	874	1	7	248	437	1110
8	6224	8	6232	4	8	681	837	1	8	243	400	1040
9	5624	7	5631	4	9	681	837	1	9	244	363	1040
10	5024	6	5030	4	10	681	837	1	10	244	326	1040
11	4424	5	4429	4	11	681	837	1	11	244	289	1040
12	3824	4	3828	4	12	681	837	1	12	244	252	1040
13	3224	3	3227	4	13	681	837	1	13	244	215	1040
14	2624	2	2626	4	14	681	837	1	14	244	178	1040
15	2024	1	2025	4	15	681	837	1	15	244	141	1040
16	1424	0	1424	4	16	681	837	1	16	244	104	1040
17	824	0	824	4	17	681	837	1	17	244	67	1040
18	224	0	224	4	18	681	837	1	18	244	30	1040
19	64	0	64	4	19	681	837	1	19	244	0	1040

DAILY SEGREGATION OF FLOW - HENRYS FORK																	
Henry's Fork at Ashton		Diversion to St. Anthony			Henry's Fork at St. Anthony			Diversion below St. Anthony			Stored below diversion		Date	Henry's Fork at Lake		Henry's Fork at Warm River	
Stored	Normal	Total	Stored	Normal	Total	Stored	Normal	Total	Stored	Normal	Total	Stored		Normal	Stored	Normal	
15		1200	110	1280	1280	110	1280	1280	0		772	-110	Jul 18	5324	53	1	
16		1200	0	1200	1200	0	1200	1200				0	19	5117	54	1	
17		1210	0	1210	1210	0	1210	1210			1032	0	20	5130	54	1	
18		1210	0	1210	1210	0	1210	1210			1091	0	21	5056	57	1	
19		1180	0	1180	1180	0	1170	1170			1024	0	22	4443	52	1	
20		1160	0	1160	1160	0	917	917			991	0	23	4433	50	1	
21		1170	125	1295	1295	-125	1125	1000			680	0	24	4880	57	1	
22		1150	104	1254	1254	-104	1144	1040			687	-125	25	4820	56	1	
23		1110	102	1212	1212	-102	1110	1110			601	-104	26	4781	54	1	
24		1080	113	1193	1193	-113	1070	1070			610	-113	27	4724	56	1	
25		1060	115	1175	1175	-115	1045	1045			985	-115	28	4678	56	1	
26		1060	0	1060	1060	0	1260	1260			996	0	29	4633	53	1	
27		1030	0	1030	1030	0	1060	1060			934	0	30	4591	51	1	
28		1030	0	1030	1030	0	1030	1030			981	0	31	4545	53	1	
29		1070	0	1070	1070	0	846	846			846	0	Aug 1	4486	55	1	
30		1080	0	1080	1080	0	730	730			764	0	2	4463	57	1	
31		1050	0	1050	1050	0	978	978			948	0	3	4424	55	1	
1		1040	0	1040	1040	0	1260	1260			1076	0	4	4389	53	1	
2		1080	0	1080	1080	0	1300	1300			978	0	5	4374	51	1	
3		1070	-125	945	945	125	1185	1340			931	155	6	4353	50	1	
4		1080	0	1080	1080	0	1300	1300			834	0	7	4334	48	1	
5		1070	-30	1040	1040	30	1020	1060			848	38	8	4322	46	1	
6		1040	-143	897	897	143	643	836			904	143	9	4315	44	1	
7		1020	-7	1013	1013	7	864	871			857	7	10	4307	42	1	
8		1020	-7	1013	1013	7	745	752			754	7	11	4302	40	1	
9		1050	-7	1043	1043	7	609	616			567	7	12	4300	38	1	
10		1050	0	1050	1050	0	574	574			552	0	13	4300	36	1	
11		1010	0	1010	1010	0	608	608			590	0	14	4300	34	1	
12		1040	0	1040	1040	0	574	574			582	0	15	4300	32	1	
13		1040	0	1040	1040	0	557	557			537	0	16	4300	30	1	
14	0	1030	0	1030	1030	0	540	540	0		514	0	17	4300	28	1	
15	17	1013	0	1013	1013	17	540	557	46	534	580	-29	18	4300	26	1	
16	36	944	0	944	944	36	473	509	42	443	485	-6	19	4300	24	1	
17	45	965	0	965	965	45	433	478	39	438	477	6	20				
18	48	949	0	949	949	48	400	448	40	414	454	8	21				
19	49	948	0	948	948	49	413	462	15	442	457	34	22				
20	101	934	50	984	984	51	473	524	101	410	511	-50	23				
21	138	962	145	1107	1107	-57	623	566	103	448	551	-160	24				
22	140	960	189	1149	1149	1	607	608	100	489	589	-89	25				
23	280	920	389	1309	1309	-29	673	644	101	533	634	-130	26				
24	313	917	325	1242	1242	-12	552	540	100	434	534	-112	27				
25	316	884	324	1208	1208	62	434	501	67	348	415	-5	28				
26	314	886	201	1087	1087	111	113	222	124	400	524	-11	29				
27	240	940	117	1057	1057	143	347	490	119	419	538	-24	30				
28	248	1024	163	1187	1187	-15	532	517	159	294	453	-174	31	4300			
29	242	938	343	1281	1281	-51	560	509	222	289	511	-273	Aug 1				
30	244	876	363	1239	1239	-64	531	467	185	284	469	-254	2				
31	278	862	173	1035	1035	-245	736	491	133	282	415	-428	3				
1	255	905	160	1065	1065	-365	858	493	196	300	496	-261	4				
2	268	891	670	1561	1561	-402	968	566	245	300	585	-697	5				
3	261	899	16	915	915	-411	951	540	267	248	565	-678	6				
4	261	899	16	915	915	-406	907	501	224	242	521	-625	7				
5	259	911	92	1003	1003	-321	887	566	217	249	516	-538	8				
6	287	973	608	1581	1581	-245	835	540	222	288	510	-517	9				
7	250	930	141	1071	1071	-115	778	663	242	303	545	-357	10				
8	245	955	360	1315	1315	-85	734	654	224	308	537	-314	11				
9	224	916	304	1220	1220	-104	738	634	169	364	533	-273	12				
10	148	912	303	1215	1215	-120	840	720	151	383	534	-271	13				
11	173	885	323	1208	1208	-184	881	692	138	301	434	-357	14				
12	155	913	344	1257	1257	-214	863	644	139	300	434	-372	15				
13	127	922	172	1094	1094	-233	846	613	142	244	441	-308	16				
14	118	922	165	1087	1087	-166	848	682	135	247	432	-448	17				
15	103	987	165	1152	1152	-313	947	634	142	242	434	-460	18				
16	87	910	42	952	952	-310	811	443	146	304	450	-477	19				
17	73	903	341	1274	1274	-325	834	504	145	242	437	-402	20	4300			
18	69	941	85	1026	1026	-259	766	501	134	241	430	-419	21				
19	71	905	324	1276	1276	-280	773	493	134	241	430	-419	22				
20	57	914	180	1094	1094	-280	773	493	134	241	430	-419	23				

Henry's Fork at Lake	Henry's Fork at Lake			Loss Stored Lake to Warm River	Date	Henry's Fork at Warm River			Loss Stored W. R. to Ashlon	Date	Henry's Fork at Ashlon		
	Stored	Normal	Total			Stored	Normal	Total			Stored	Normal	Total
1931	0	9	9		May 14					May 15			
		9	9		15			837		16			
		9	9		16			861		17			
		9	9		17			874		18			
		9	9		18			893		19			
		9	9		19			861		20			
		9	9		20			812		21			
		9	9		21			794		22			
		9	9		22			782		23			
		9	9		23			770		24			
		9	9		24			759		25			
		9	9		25			759		26			
		9	9		26			770		27			
		9	9		27			770		28			
		9	9		28			770		29			
		10	10		29			764		30			
		11	11		30			747		31			
		11	11		31			741		June 1			
		11	11		1			747		2			
		11	11		2			753		3			
		11	11		3			764		4			
		11	11		4			770		5			
		11	11		5			747		6			
		11	11		6			741		7			
		11	11		7			735		8			
		11	11		8			735		9			
		11	11		9			741		10			
		11	11		10			753		11			
		11	11		11			747		12			
		12	12		12			741		13			
	0	24	24	0	13	0	153	753		14	0	1030	1030
	17	40	57	0	14	17	765	782	0	15	17	1023	1040
	37	38	75	1	15	36	746	782	0	16	36	944	1030
	46	37	83	1	16	45	743	788	0	17	45	965	1010
	49	35	84	1	17	48	734	782	0	18	48	944	997
	51	34	85	1	18	50	750	800	1	19	49	948	997
	104	33	137	2	19	102	741	843	1	20	101	934	1040
	141	31	172	2	20	139	741	880	1	21	138	963	1100
	144	30	224	3	21	141	708	849	1	22	140	960	1150
	205	28	313	4	22	201	689	970	1	23	200	920	1200
	310	27	347	5	23	315	675	990	2	24	313	917	1230
	323	26	349	5	24	318	678	996	2	25	316	844	1180
	321	24	345	5	25	316	660	976	2	26	314	846	1180
	265	23	288	4	26	261	676	931	1	27	260	846	1200
	253	21	274	4	27	249	701	950	1	28	248	1024	1270
	247	20	317	4	28	243	690	983	1	29	242	938	1230
	300	19	319	5	29	245	669	964	1	30	244	876	1170
	283	18	301	4	30	279	659	938	1	31	278	862	1140
	260	17	277	4	July 1	256	688	944	1	1	260	844	1160
	273	16	289	4	2	269	681	950	1	2	261	844	1160
	246	15	281	4	3	262	688	950	1	3	261	844	1160
	244	15	279	4	4	260	710	970	1	4	259	844	1160
	243	14	306	4	5	268	676	944	1	5	250	844	1160
	253	14	269	4	6	251	687	938	1	6	245	844	1160
	244	14	264	4	7	246	692	938	1	7	244	844	1160
	218	14	242	3	8	235	680	905	1	8	242	844	1160
	202	13	215	3	9	249	675	874	1	9	242	844	1160
	177	13	190	3	10	174	681	855	1	10	242	844	1160
	158	13	171	3	11	156	681	837	1	11	242	844	1160
	130	13	143	3	12	128	703	831	1	12	242	844	1160
	121	12	133	2	13	119	693	812	1	13	242	844	1160
	106	12	118	2	14	104	696	800	0	14	242	844	1160
	88	12	100	1	15	87	701	788	0	15	242	844	1160
	75	12	87	1	16	74	702	776	0	16	242	844	1160
	70	12	82	1	17	69	719	788	0	17	242	844	1160
	71	12	84	1	18	71	705	776	0	18	242	844	1160
	71	12	84	1	19	71	712	770	1	19	242	844	1160

DAILY SEGREGATION OF FLOW - HENRY'S FORK - 1931 - IN 5

Diversion to St. Anthony				Henry's Fork at St. Anthony				Diversion below St. Anthony				Storage below Ashlon	Date	Henry's Fork at Lake				Loss stored Lake to W. R.	Date
Stored	Normal	Total	Loss	Stored	Normal	Total	Loss	Stored	Normal	Total	Loss			Stored	Normal	Total			
1200	110	1310	788	-110	1210	1400		0		772	-110	Aug 8	3324	23	12	65	1	Aug 8	
1200	0	1200	798	0	1200	1400		0		772	-110	9	3317	24	12	66	1	9	
1210	0	1210	1056	0	1210	1400		0		1032	0	10	3310	25	11	55	1	10	
1210	0	1210	1056	0	1210	1400		0		1032	0	11	3304	26	11	49	1	11	
1160	0	1160	938	0	1170	1170		0		1029	0	12	3293	27	11	43	0	12	
1160	0	1160	938	0	1170	1170		0		1029	0	13	3284	28	11	37	0	13	
1170	125	1295	801	-125	1125	1000		0		1027	-125	14	3276	29	11	30	0	14	
1150	104	1254	613	-104	1144	1040		0		1025	-104	15	3268	30	11	24	0	15	
1110	102	1212	538	-102	1112	1040		0		1023	-102	16	3260	31	11	18	0	16	
1080	113	1193	833	-113	1080	1040		0		1021	-113	17	3252	32	11	12	0	17	
1080	115	1195	833	-115	1065	1040		0		1019	-115	18	3244	33	11	6	0	18	
1030	0	1030	1064	0	1030	1064		0		1017	0	19	3236	34	11	0	0	19	
1030	0	1030	925	0	1030	1030		0		1015	0	20	3228	35	11	0	0	20	
1070	0	1070	1065	0	1070	1065		0		1013	0	21	3220	36	11	0	0	21	
1080	0	1080	860	0	1080	860		0		1011	0	22	3212	37	11	0	0	22	
1050	0	1050	858	0	1050	858		0		1009	0	23	3204	38	11	0	0	23	
1040	0	1040	934	0	1040	934		0		1007	0	24	3196	39	11	0	0	24	
1080	0	1080	860	0	1080	860		0		1005	0	25	3188	40	11	0	0	25	
1070	-155	915	943	155	1070	1340		0		1003	155	26	3180	41	11	0	0	26	
1080	0	1080	847	0	1080	1300		0		1001	0	27	3172	42	11	0	0	27	
1070	-30	1040	924	30	1040	1060		0		999	-30	28	3164	43	11	0	0	28	
1040	-193	847	976	193	1040	836		0		997	-193	29	3156	44	11	0	0	29	
1020	-7	1013	933	7	1013	811		0		995	-7	30	3148	45	11	0	0	30	
1020	-7	1013	818	7	1013	752		0		993	-7	31	3140	46	11	0	0	31	
1050	-7	1043	797	7	1043	616		0		991	-7	1	3132	47	11	0	0	1	
1050	0	1050	774	0	1050	574		0		989	0	2	3124	48	11	0	0	2	
1010	0	1010	765	0	1010	608		0		987	0	3	3116	49	11	0	0	3	
1040	0	1040	746	0	1040	574		0		985	0	4	3108	50	11	0	0	4	
1040	0	1040	736	0	1040	557		0		983	0	5	3100	51	11	0	0	5	
1030	0	1030	719	0	1030	540		0		981	0	6	3092	52	11	0	0	6	
1030	0	1030	657	0	1030	557		0		979	0	7	3084	53	11	0	0	7	
1030	0	1030	618	0	1030	509		0		977	0	8	3076	54	11	0	0	8	
1010	0	1010	662	0	1010	478		0		975	0	9	3068	55	11	0	0	9	
1030	0	1030	652	0	1030	448		0		973	0	10	3060	56	11	0	0	10	
1030	0	1030	627	0	1030	413		0		971	0	11	3052	57	11	0	0	11	
1040	50	1090	621	50	1040	473		0		969	50	12	3044	58	11	0	0	12	
1100	145	1245	629	-57	1043	566		0		967	-57	13	3036	59	11	0	0	13	
1150	104	1254	540	-1	1053	608		0		965	-1	14	3028	60	11	0	0	14	
1200	304	1504	718	-24	1179	644		0		963	-24	15	3020	61	11	0	0	15	
1230	323	1553	702	-12	1141	632		0		961	-12	16	3012	62	11	0	0	16	
1180	354	1534	736	62	1122	604		0		959	62	17	3004	63	11	0	0	17	
1180	201	1381	711	113	1294	400		0		957	113	18	2996	64	11	0	0	18	
1200	117	1317	619	143	1176	397		0		955	143	19	2988	65	11	0	0	19	
1270	263	1533	708	-15	1518	517		0		953	-15	20	2980	66	11	0	0	20	
1230	343	1573	743	-51	1522	509		0		951	-51	21	2972	67	11	0	0	21	
1170	363	1533	753	-64	1529	462		0		949	-64	22	2964	68	11	0	0	22	
1140	573	1703	746	-243	1463	441		0		947	-243	23	2956	69	11	0	0	23	
1160	620	1780	772	-265	1515	493		0		945	-265	24	2948	70	11	0	0	24	
1160	670	1830	843	-402	1438	546		0		943	-402	25	2940	71	11	0	0	25	
1160	672	1832	888	-411	1421	548		0		941	-411	26	2932	72	11	0	0	26	
1170	665	1835	92	-406	1429	501		0		939	-406	27	2924	73	11	0	0	27	
1240	608	1848	697	-321	1527	566		0		937	-321	28	2916	74	11	0	0	28	
1180	545	1725	686	-245	1480	540		0		935	-245	29	2908	75	11	0	0	29	
1200	360	1760	722	-115	1645	623		0		933	-115	30	2900	76	11	0	0	30	
1140	304	1644	764	-85	1559	634		0		931	-85	31	2892	77	11	0	0	31	
1110	302	1612	688	-104	1508	720		0		929	-104	1	2884	78	11	0	0	1	
1110	243	1353	616	-120	1233	801		0		927	-120	2	2876	79	11	0	0	2	
1040	344	1384	521	-184	1200	642		0		925	-184	3	2868	80	11	0	0	3	
1040	346	1386	518	-114	1272	644		0		923	-114	4	2860	81	11	0	0	4	
1040	351	1391	516	-233	1158	663		0		921	-233	5	2852	82	11	0	0	5	
1010	264	1274	434	-166	1108	684		0		919	-166	6	2844	83	11	0	0	6	
997	180	1177	42	-313	864	634		0		917	-313	7	2836	84	11	0	0	7	
976	291	1267	471	-318	949	643		0		915	-318	8	2828	85	11	0	0	8	
1010	294	1304	474	-325	979	634		0		913	-325	9	2820	86	11	0	0	9	
976	228	1204	514	-254	950	501		0		911	-254	10	2812	87	11	0	0	10	
976	228	1204	514	-254	950	501		0		911	-254	11	2804	88	11	0	0	11	
976	228	1204	514	-254	950	501		0		911	-254	12	2796	89	11	0	0	12	
976	228	1204	514	-254	950	501		0		911	-254	13	2788	90	11	0	0	13	
976	228	1204	514	-254	950	501		0		911	-254	14	2780	91	11	0	0	14	
976	228	1204	514	-254	950	501		0		911	-254	15	2772	92	11	0	0	15	
976	228	1204	514	-254	950	501		0		911	-254	16	2764	93	11	0	0	16	
976	228	1204	514	-254	950	501		0		911	-254	17	2756	94	11	0	0	17	
976	228	1204	514	-254	950	501		0		911	-254	18	2748	95	11	0	0	18	
976	228	1204	514	-254	950	501		0		911	-254	19	2740	96	11	0	0	19	
976	228	1204	514	-254	950	501		0		911	-254	20	2732	97	11	0	0	20	
976	228	1204	514	-254	950	501		0		911	-254	21	2724	98	11	0	0	21	
976	228	1204	514	-254	950	501		0		911	-254	22	2716	99	11	0	0	22	
976	228	1204	514	-254	950	501		0		911	-254	23	2708	100	11	0	0	23	
976	228	1204	514	-254	950	501		0		911	-254	24	2700	101	11	0	0	24	
976	228	1204	514	-254	950	501		0		911	-254	25	2692	102	11	0	0	25	
976	228	1204	514	-254	950	501		0		911	-254	26	2684	103	11	0	0	26	
976	228	1204	514	-254	950	501		0		911	-254	27	2676	104	11	0	0	27	
976	228	1204	514	-254	950	501		0		911	-254	28	2668	105	11	0	0	28	
976	228	1204	514	-254	950	501		0		911	-254	29	2660	106	11	0	0	29	
976	228	1204	514	-254	950	501		0		911	-254	30	2652	107	11	0	0	30	
976	228	1204	514	-254	950	501		0		911	-254	31	2644	108	11	0	0	31	
976	228	1204	514	-254	950	501		0		911	-254	32	2636	109	11	0	0	32	
976	228	1204	514	-254															

[illegible]

Plate No. 21

New No.	Storage below diversion	Date	Henry's Fork at Warm River			Date	Henry's Fork at Ashton			Date	Henry's Fork at St. Anthony			Henry's Fork at St. Anthony			Henry's Fork at St. Anthony			Total	Below diversion			
			Stored	Normal	Total		Stored	Normal	Total		Stored	Normal	Total	Stored	Normal	Total	Stored	Normal	Total					
772	-110	July 18	5324	53	12	65	1	52	718	770	0	52	924	976	449	105	554	-397	859	462	56	321	377	-453
1032	0	19	5217	54	12	66	1	53	711	764	0	53	902	955	341	237	578	-288	701	413	0	375	375	-288
1091	0	20	5130	44	11	55	1	43	721	764	0	43	912	955	311	132	443	-268	730	462	0	395	395	-455
1029	0	21	5056	37	11	48	1	36	723	759	1	35	904	939	383	130	513	-348	872	524	107	381	488	-455
991	0	22	4993	32	11	43	1	22	727	759	0	32	891	923	367	-13	354	-335	901	566	119	384	503	-454
680	0	23	4933	30	11	41	1	27	711	740	0	29	894	923	256	72	328	-227	890	663	0	371	371	-227
687	-125	24	4880	27	11	38	0	27	710	735	0	27	928	955	260	51	311	-233	943	710	0	371	371	-233
603	-109	25	4828	26	11	37	1	25	710	735	0	25	951	976	223	89	312	-198	970	772	0	371	371	-198
601	-101	26	4781	24	11	35	0	24	711	735	0	24	942	966	204	66	270	-180	1005	825	0	371	371	-180
610	-113	27	4724	26	11	37	1	26	703	729	0	26	905	931	175	95	240	-149	932	783	0	371	371	-149
985	-115	28	4678	26	11	37	1	25	716	741	0	25	922	947	164	247	411	-139	869	730	0	371	371	-139
996	0	29	4632	23	11	34	0	23	718	741	1	22	954	976	156	283	419	-114	897	783	0	371	371	-114
994	0	30	4591	21	11	32	0	21	720	741	0	21	926	947	133	250	383	-112	864	751	0	371	371	-112
982	0	31	4545	23	11	34	1	22	707	729	0	22	917	939	141	244	385	-119	860	741	0	371	371	-119
848	0	Aug 1	4496	25	12	37	0	25	693	718	0	25	906	931	149	248	397	-124	834	710	0	371	371	-124
764	0	2	4463	17	12	29	0	17	689	706	0	17	898	915	183	237	440	-166	838	672	0	371	371	-166
948	0	3	4424	15	12	27	0	15	697	712	0	15	900	915	213	223	536	-248	864	566	107	266	373	-405
1076	0	4	4399	13	12	25	1	12	689	701	0	12	903	915	209	216	525	-297	806	509	123	277	400	-420
978	0	5	4374	11	12	23	0	11	690	701	0	11	904	915	272	250	522	-261	762	501	0	276	276	-261
931	155	6	4353	10	12	22	0	10	679	689	0	10	905	915	219	154	373	-209	817	608	0	276	276	-209
839	0	7	4334	6	12	18	0	6	689	695	0	6	917	923	186	154	340	-180	862	682	0	276	276	-180
848	38	8	4322	4	12	16	0	4	685	689	1	4	919	923	136	185	321	-132	824	692	0	276	276	-132
904	143	9	4315	4	12	16	0	4	680	684	0	4	919	923	121	197	318	-117	847	730	0	276	276	-117
857	7	10	4307	3	12	15	0	3	686	689	0	3	929	931	118	206	324	-116	888	772	0	276	276	-116
754	7	11	4302	1	12	13	1	1	718	718	0	1	947	947	115	219	334	-115	1021	906	0	276	276	-115
567	7	12	4300	0	12	12	0	0	712	712	0	0	947	947	115	216	331	-115	1021	906	0	276	276	-115
552	0	13	4300	0	11	11	0	0	701	701	0	0	931	931	114	217	331	-114	946	881	0	276	276	-114
590	0	14	4300	0	10	10	0	0	695	695	0	0	907	907	147	246	443	-147	899	752	0	276	276	-147
582	0	15	4300	0	11	11	0	0	684	684	0	0	907	907	147	249	446	-147	791	644	0	276	276	-147
537	0	16	4300	0	11	11	0	0	684	684	0	0	907	907	146	146	312	-166	980	814	0	276	276	-166
514	0	17	4300	0	12	12	0	0	684	684	0	0	899	899	148	202	350	-148	858	710	0	276	276	-148
580	-29	18	4300	0	12	12	0	0	684	684	0	0	899	899	127	221	348	-127	819	692	0	276	276	-127
485	-6	19	4300	0	11	11	0	0	678	678	0	0	907	907	123	226	349	-123	843	720	0	276	276	-123
477	6	20	4300	0	11	11	0	0	689	689	0	0	907	907	122	197	319	-122	863	741	0	276	276	-122
454	8	21	4300	0	11	11	0	0	684	684	0	0	907	907	122	201	323	-122	884	762	0	276	276	-122
457	34	22	4300	0	11	11	0	0	678	678	0	0	899	899	0	319	319	0	772	772	0	276	276	0
511	-50	23	4300	0	10	10	0	0	667	667	0	0	899	899	36	88	124	-36	896	860	0	276	276	-36
551	-160	24	4300	0	10	10	0	0	662	662	0	0	907	907	43	284	327	-43	837	794	0	276	276	-43
589	-99	25	4300	0	10	10	0	0	656	656	0	0	907	907	43	181	324	-43	784	741	0	276	276	-43
634	-130	26	4300	0	10	10	0	0	662	662	0	0	907	907	15	307	322	-15	797	772	0	276	276	-15
634	-112	27	4300	0	11	11	0	0	662	662	0	0	907	907	24	203	227	-24	872	848	0	276	276	-24
465	-5	28	4300	0	12	12	0	0	662	662	0	0	907	907	26	295	321	-26	756	730	0	276	276	-26
524	-11	29	4300	0	12	12	0	0	662	662	0	0	907	907	26	349	425	-26	788	762	0	276	276	-26
524	24	30	4300	0	12	12	0	0	667	667	0	0	907	907	28	444	472	-28	720	692	0	276	276	-28
453	-174	31	4300	0	12	12	0	0	656	656	0	0	907	907	28	426	454	-28	729	701	0	276	276	-28
511	-273	Sept 1	4300	0	14	14	0	0	650	650	0	0	907	907	90	234	324	-90	842	752	0	276	276	-90
469	-294	2	4300	0	14	14	0	0	645	645	0	0	907	907	91	230	321	-91	843	752	0	276	276	-91
415	-428	3	4300	0	14	14	0	0	645	645	0	0	907	907	92	241	333	-92	844	752	0	276	276	-92
496	-261	4	4300	0	13	13	0	0	645	645	0	0	907	907	91	240	331	-91	773	682	0	276	276	-91
585	-687	5	4300	0	13	13	0	0	645	645	0	0	907	907	98	241	339	-98	752	654	0	276	276	-98
565	-678	6	4300	0	12	12	0	0	645	645	0	0	907	907	0	342	342	0	682	682	0	276	276	0
521	-635	7	4300	0	10	10	0	0	645	645	0	0	907	907	14	315	329	-14	776	762	0	276	276	-14
516	-598	8	4300	0	10	10	0	0	645	645	0	0	907	907	14	312	326	-14	818	814	0	276	276	-14
510	-517	9	4300	0	8	8	0	0	645	645	0	0	907	907	14	312	326	-14	818	814	0	276	276	-14
545	-357	10	4300	0	12	12	0	0	650	650	0	0	907	907	16	303	319	-16	830	814	0	276	276	-16
537	-314	11	4300	0	10	10	0	0	650	650	0	0	907	907	26	329	355	-26	830	804	0	276	276	-26
533	-273	12	4300	0	9	9	0	0	656	656	0	0	891	891	27	325	352	-27	810	783	0	276	276	-27
524	-271	13	4300	0	9	9	0	0	656	656	0	0	891	891	28	318	346	-28	832	804	0	276	276	-28
500	-319	14	4300	0	9	9	0	0	662	662	0	0	907	907	27	316	343	-27	831	804	0	276	276	-27
434	-357	15	4300	0	9	9	0	0	656	656	0	0	899	899	27	310	337	-27	840	804	0	276	276	-27
434	-312	16	4300	0	9	9	0	0	656	656	0	0	907	907	36	301	337	-36	840	804	0	276	276	-36
441	-358	17	4300	0	9	9	0	0	656	656	0	0	899	899	19	300	319	-19	844	825	0	276	276	-19
432	-348	18	4300	0	12	12	0	0	672	672	0	0	907	907	2	388	390	-2	817	825	0	276	276	-2
434	-466	19	4300	0	15	15	0	0	667	667	0	0	915	915	2	385	387	-2	850	848	0	276	276	-2
430	-471	20	4300	0	16	16	0	0	667	667														

[illegible]

o.f.	Res. Bn.	595	140	3307	583	1038	17716	3258	1000	43	183	435	300	1313	5420	2900	3443	35900	5774	813	390	4781	2800	2860	3140	8454
a.f.	"right"	595	140	3307	583	1038	17716	3258	1000	43	183	435	300	1313	5420	2900	3443	35900	5774	813	390	4781	2800	2860	3140	8454
		(6)	(5)	(4)		(3)	(2)	(1)	(0)	(9)	(8)	(7)	(6)	(5)	(4)	(3)	(2)	(1)	(0)	(9)	(8)	(7)	(6)	(5)	(4)	(3)

⑥. Purchased 3700 from Pool, less 393 Transferred to Fall River

② Purchased 1167 " " " 129 " " " "
 ③ Am. F. H. rights 12,000; lease 5,500 purchase from Pool 52

② Purchased 1167 " " " 129 " " " "

① Purchased 1167 " " " 129 " " " "
 ② Am. Falls right 12,000; lease 5,500, purchase from Pool 570, carried for Canyon Creek 200 and for
 Sildoway 365 purchases from Pool, less 419 transferred to Fall River
 129 from Farmers Own, 82 from

② Purchased 1600 ac ft. from Pool plus transfers 393 from Marysville, 129 from Farmers Own, 82 from Conant Cr., 919 from Enterprise, 135 from Siddoway

④ Transferred from Conant Creek

④ Owned 1158; bought 155 from Egin

(h) Owned 968; sold 155 to Last Chance

(L) Owned 3813; bought 968 from St. Anthony Union

(K) Purchase from Pool

⑤ Purchase from Pool
⑥ Purchase 5000 from U.S. Govt. & 420 from Pool

④ Purchase 5000 from U.S. Govt. 12/2/71
All quantities referred to in above notes are at Reservoirs before deducting losses.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	246140	287210	309520	327990	346650	361760	385150	420450	475450	463760	191640	38100
2	246550	268060	310170	328660	347080	362420	386030	422700	480490	458960	186470	35110
3	247170	268900	310810	329720	347740	362850	386700	424960	489010	451460	185500	31980
4	247790	289540	311450	330370	348170	363510	387360	427660	497550	443270	179990	29890
5	248410	290390	312100	331030	348820	363950	388030	430370	504700	453760	172590	29370
6	249030	291030	312740	331680	349260	364390	388690	433300	512130	422250	166150	28670
7	253170	291660	313170	332330	349700	364830	389360	436690	519100	410340	158050	26590
8	257300	292300	313810	332980	350360	365490	390240	440090	526070	398710	150380	24320
9	260610	292930	314460	333630	350890	366140	391350	442820	532130	387580	143100	22410
10	262470	293570	314890	334060	351450	367020	392010	444860	539620	375840	135550	20330
11	264970	294630	315530	334710	351890	367900	392680	446910	544300	364830	126120	18060
12	267280	295480	316390	335370	352550	368560	394020	449410	545470	355840	116250	16160
13	268740	296330	317250	336020	352990	369210	395140	451460	545230	347520	107510	14440
14	270210	296960	317680	336670	353640	370090	396480	454190	546870	340790	103100	13410
15	271460	297810	318320	337100	354300	370750	397820	457370	546170	334930	100170	12380
16	272510	298670	318750	337750	354960	371190	398940	459640	545230	328420	97420	11520
17	273560	299720	319390	338400	355620	371860	400060	462850	543830	317460	93940	10660
18	274400	300780	320250	339060	356280	372520	401620	466510	539850	306520	91920	9630
19	275650	301630	321110	339710	356930	373190	403410	469030	536340	295690	90820	8770
20	276700	302480	321750	340360	357370	373850	404530	464660	530490	283400	89170	7910
21	277750	303330	322400	341010	358030	374520	405640	459420	523520	270210	86090	7390
22	279000	304390	322830	341660	358690	375620	407210	456460	516310	257300	80490	7220
23	279840	305240	323470	342310	359130	376730	408780	455550	508640	246340	75790	5710
24	280890	306090	323900	342740	359570	377400	410120	454190	501470	235280	70720	5530
25	281730	306730	324330	343180	360000	378060	411010	455100	493860	226510	67670	6020
26	282770	307160	324970	343610	360440	378940	411910	459540	487150	219320	64460	5500
27	283610	307590	325400	344260	360880	379610	412800	464220	481640	213190	60920	5160
28	284450	308020	326050	344700	361320	380050	413920	468800	476140	205550	56280	4640
29	285300	308450	326480	345130	-----	380720	416390	472470	471100	196570	51300	5160
30	285930	308880	326910	345560	-----	381380	416640	472930	467300	194600	46300	4990
31	286570	-----	327340	346000	-----	382930	-----	473840	-----	192630	41800	-----

MEAN												
LOW												
HIGH												

YUAN MEAN

Discharge, in second-feet, of Snake River near Moran, Wyoming

For the year ending September 30, 1923

Plate 24

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	332	30	30	24	21	25	23	30	2560	3470	1340	2190
2	46	30	29	24	21	25	23	30	1580	3940	2220	1990
3	40	30	29	24	21	24	23	30	50	4990	2550	1640
4	36	32	29	24	21	24	23	36	38	5530	3800	798
5	35	32	29	24	21	24	23	30	36	6280	4000	706
6	35	32	29	24	21	24	23	30	30	6600	3960	1060
7	36	32	29	24	21	24	30	33	28	6560	4590	1320
8	38	32	29	24	21	24	33	32	28	6770	4160	1420
9	38	32	29	24	21	24	36	33	95	6680	3980	1320
10	38	32	29	24	21	24	38	30	246	6720	4530	1200
11	38	30	29	24	21	24	38	30	1500	6030	5390	1110
12	36	30	29	24	21	24	38	270	2610	4610	5040	1030
13	36	30	29	24	21	24	36	1280	2020	4460	4090	947
14	35	30	25	24	21	24	36	2050	1980	4030	2610	881
15	35	30	25	24	22	24	36	2630	2760	5840	2040	825
16	35	30	25	24	22	24	38	3460	2720	5300	2380	784
17	32	30	25	24	23	24	38	1050	3360	6480	1290	744
18	32	32	25	24	23	24	38	1210	3470	6420	1110	706
19	32	32	25	24	24	24	38	2880	4160	6580	1150	668
20	32	32	25	24	25	24	33	5390	5060	7110	1440	637
21	32	32	25	24	25	24	30	3470	4980	6920	2770	625
22	32	32	25	24	25	25	30	2570	5300	6730	3370	607
23	32	32	25	24	25	26	30	3030	5480	6440	3020	596
24	32	32	25	24	25	26	30	3510	5040	6040	2310	578
25	32	30	25	24	25	26	30	2570	5040	5530	1610	573
26	32	30	25	24	25	26	30	1510	4160	3680	2140	555
27	32	30	25	24	25	26	30	1220	4150	3900	2290	544
28	32	30	24	24	25	26	30	1510	3940	3850	2770	527
29	32	30	24	21		23	36	1840	2860	3430	2880	508
30	32	30	24	21		29	36	2590	2980	1980	2630	307
31	30		24	21		30		2590		1050	2440	

MEAN	44.1	30.9	26.5	24.0	22.6	25.0	32.9	1520	2610	5830	2920	907
ACRE-FOOT	2710	1840	1680	1480	1260	1540	1960	93500	155000	322000	180000	54000

U. S. GOVERNMENT PRINTING OFFICE: 1923

YEAR
1923

MEAN 1,130
ACRE-FOOT 817,000

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3880	3560	2840			2250	2670	4370	9070	6140	4480	4200
2	3900	3250	2040			2180	3140	4300	9960	6270	3900	4550
3	3800	3230	2840			2250	2910	4500	10900	6520	4570	4320
4	3620	3200	2840			2250	2660	4370	9930	7880	4750	4130
5	3540	3160	2810		2400	2220	2620	4960	9350	8190	5960	3680
6	3480	3160	2810			2220	2710	5100	9000	9000	6570	3180
7	3540	3140	2710			2220	3090	5380	9100	9500	6600	3130
8	4590	3110	2710			2220	3840	5500	9180	9530	7070	3360
9	5000	3090	2710			2220	4200	5220	9420	9570	6380	3520
10	5380	3070	2590		2410	2190	3840	4820	9350	9460	6730	3500
11	5220	3050	2510		2330	2250	3760	4550	8360	9420	6760	3420
12	5130	3040	2510		2250	2250	3920	4550	8830	8830	7720	3330
13	4960	3090	2510		2180	2280	4260	4910	9750	7390	7690	3250
14	4570	3180	2350		2100	2250	4460	6540	9100	7100	7260	3180
15	4390	3090	2510	2200	2100	2250	4260	8520	8730	6680	5880	3130
16	4240	2980	2510		2100	2220	4070	10300	9780	6220	4940	3110
17	4050	2950	2660		2100	2250	4110	12100	9820	7330	5030	3070
18	3960	2930	2510		2180	2280	4370	9780	10200	8730	4870	3020
19	3990	2940	2670		2330	2330	4430	8530	9240	8760	4130	3000
20	3940	2940	2510		2320	2410	4300	7940	9350	8790	3840	3000
21	3880	2940	2670		2330	2490	3990	10800	9930	9280	3280	3020
22	3820	2950	2510		2330	2660	3800	8790	10000	9180	4520	3070
23	3740	2890	1500		2250	2740	3720	7240	9930	9040	5600	3070
24	3660	2880			2250	2600	3540	7780	10200	8790	5450	3070
25	3720	2670			2330	2570	3440	9890	9530	8390	5060	3050
26	3740	2860	2500		2330	2600	3350	10400	9460	8160	4070	3000
27	3660	2850			2250	2570	3310	9420	8520	6410	4240	2930
28	3600	2840			2250	2410	3360	9180	8260	6120	4370	2890
29	3460	2840				2410	3760	8930	8160	6360	4840	2860
30	3380	2840				2410	4410	8100	7100	6570	5100	2600
31	3230					2470		8520		5480	5030	

MEAN	4040	3020	2570	2200	2300	2380	5680	7280	9320	7920	5400	5310
ACRE-FOOT	248000	190000	152000	135000	128000	144000	219000	448000	555000	487000	338000	197000

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2210							3030	3800	2020	2260	1800
2	2470							2900	3920	1440	1580	1780
3	2740							2670	4480	1230	1390	1910
4	2740							2880	5070	1620	1050	2000
5	2600							3050	3850	2670	785	1940
6	2670							3240	3180	2900	775	1510
7	2650							3280	2600	2600	1260	978
8	2700							3640	2500	2680	1340	686
9	3590							3520	2340	2680	1560	544
10	3920							3070	2390	2700	1960	499
11	5100							2680	2580	2680	2390	650
12	5120							1940	2370	2770	2960	690
13	5140							1320	2840	2600	3730	795
14	5160							650	4380	2240	3300	890
15	4960							890	4220	2310	2940	1140
16	4680							3320	3870	2300	2150	1400
17	4540							5180	3520	1950	2040	1500
18	4450							6380	3370	2070	1750	1550
19	4590							4450	2830	2140	1470	1600
20	4540							2670	2280	2140	1340	1480
21	4400							2120	2120	2160	1390	1200
22	4300							4560	2530	2500	1400	1140
23	4200							3750	2670	2550	1480	990
24	4140							3130	2670	2480	2140	1050
25	4070							3430	2960	2570	2070	992
26	4020							4120	2770	2250	1630	1020
27	4170							4650	2700	2450	1600	1040
28	4070							3900	2720	2370	999	964
29	4000							3640	2880	2370	957	914
30	3900						3030	3660	2530	2650	1070	865
31	3800							3370		2830	1670	

Mean	3920							3,260	3,100	2,350	1,770	1,180
Accum.	141,000							200,000	184,000	144,000	109,000	70,200

YEAR
OR
PERIODMEAN
ACCUM.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	414							1550	13	213	110	12
2	587							1420	263	592	290	6
3	958							1250	372	362	90	0
4	1330							1270	1100	278	0	0
5								1390	667	44	0	0
6								1430	37	88	0	0
7								1480	4	60	0	14
8								1930	15	5	2	0
9								1550	294	2	17	0
10								1050	551	0	8	0
11								475	483	3	74	0
12								134	254	12	75	0
13								0	67	140	440	0
14								0	405	184	536	0
15								0	744	100	254	0
16								426	340	174	62	0
17								1300	213	115	127	0
18								2670	230	57	435	0
19								1610	57	45	167	0
20								564	0	72	35	0
21								0	0	80	0	0
22								740	10	38	0	180
23								1320	250	3	0	14
24								584	137	27	14	145
25								571	263	146	42	190
26								656	315	127	63	14
27								896	34	67	2	64
28								666	10	130	43	19
29							1200	270	80	17	0	0
30							1280	236	57	50	43	0
31								135		163	10	

Mean	822						1240	685	242	111	96.0	25.7
Acres	6520						4920	54400	14400	6820	5900	1530

XXXXX
XXXX
XXXX

Mean
Acres-Feet

Blackfoot River near Blackfoot, Idaho

Plate 28

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								283	0	0	151	0
2								367	0	0	148	0
3								343	0	0	167	0
4								319	0	0	176	0
5								295	0	0	198	0
6								271	0	0	212	0
7								246	0	13	206	0
8								246	0	50	181	0
9								84	0	30	151	0
10								176	0	47	130	0
11								205	0	51	138	0
12								102	0	80	138	0
13								16	0	85	171	0
14								12	0	73	191	0
15								12	0	65	220	0
16								17	0	74	228	0
17								22	34	45	235	0
18								43	123	17	244	0
19								16	0	28	226	0
20								3	0	32	220	0
21								0	0	22	210	22
22								1	0	17	206	24
23								28	0	5	206	33
24								14	0	0	219	34
25								8	0	0	242	43
26								8	0	0	255	58
27								8	0	0	96	78
28								8	0	0	27	50
29							248	21	0	1	18	37
30							215	0	0	123	4	72
31								0		132	0	

Mean												
Range												
Mean							130	102	5.2	31.9	16.8	15.0
Range							913	6370	309	1960	10300	893



MEAN
ACRE-FOOT 20,000

Plate 27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	832	3620	2620	1090	2400	2470	2510	1780	233	172	359	159
2	1100	3560	2710	1080	2340	2510	2730	1900	201	409	324	161
3	1440	3640	2650	1200	2290	2540	3090	1740	303	430	446	149
4	1660	3640	2700	1400	2300	2620	3430	1690	920	344	344	152
5	1890	3660	3140	1430	2350	2650	2980	1740	969	257	335	144
6	2010	3620	3230	1510	2300	2620	2750	1820	299	195	344	152
7	2110	3580	3200	1780	2320	2470	2900	1710	179	195	340	147
8	2200	3520	2970	1860	2320	2290	2970	1780	166	212	317	141
9	2470	3490	2730	1790	2360	2380	3040	1820	209	189	308	141
10	3660	3430	2490	1860	2430	2360	3660	1530	463	195	269	141
11	4440	3410	2360	1930	2430	2430	3540	1140	526	199	286	139
12	4690	3430	2300	1960	2380	2600	3410	667	373	219	281	139
13	4800	3410	2510	1980	2410	2570	3430	257	223	223	309	152
14	4780	3510	2650	1980	2430	2630	3540	169	312	215	730	149
15	4570	3620	2780	2000	2460	2540	3850	152	779	208	551	163
16	4380	3720	2830	2110	2430	2570	3900	175	515	219	452	182
17	4240	3730	2870	2100	2430	2630	3660	1090	383	226	404	159
18	4020	3640	2730	2070	2470	2820	3340	2380	389	212	526	152
19	4020	3620	2540	2120	2510	2880	3090	1940	269	189	486	182
20	4060	3160	2470	2180	2460	3070	3290	695	169	182	383	209
21	3870	2880	2520	2220	2440	3090	3160	212	149	179	359	219
22	3750	2760	2510	2170	2490	2950	3050	474	147	172	344	233
23	3680	2710	1910	2040	2510	2900	2900	1650	149	152	344	226
24	3600	2460	1640	2000	2400	2930	2620	594	163	149	354	249
25	3640	2320	1460	1980	2280	2920	2510	582	179	145	383	263
26	3810	2490	1350	2160	2280	2780	2340	653	344	153	383	263
27	3900	2650	1400	2170	2430	2590	1900	936	201	152	261	290
28	3890	2730	1280	2110	2430	2550	1580	920	175	163	165	261
29	3790	2680	1230	2220		2550	1520	544	172	166	169	231
30	3750	2670	1200	2280		2470	1450	394	179	201	159	233
31	3680		1170	2360		2410		344		217	155	

Mean	3380	3240	2330	1910	2400	2640	3940	1080	325	214	354	187
Acres-Fert.	208000	193000	143000	117000	133000	162000	175000	86400	19300	13200	21600	11100

YEAR 1910
 MEAN 1,740
 ACRES-FERT 1,260,000

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	556200	843090	932090	930880	1079490	1279110	1456260	1505980	1141380	770380	326680	54950
2	554990	847280	930480	930480	1087150	1265440	1457810	1496550	1127550	755960	313970	49720
3	572860	854520	929260	930070	1094370	1291770	1464090	1486080	1111950	737580	302020	46240
4	581940	860620	927650	929260	1102930	1298590	1469330	1477180	1101130	722830	292650	43790
5	591220	868810	926430	928860	1112400	1306400	1475090	1468280	1088510	711030	284860	42460
6	597790	875080	927250	928860	1120630	1313330	1480850	1459900	1076780	699750	276400	41260
7	606540	881360	929670	930070	1127080	1320750	1484510	1449360	1064310	685070	267410	39700
8	613100	887630	932900	934520	1134920	1328180	1489750	1439790	1051980	670030	261780	38320
9	621060	891950	933310	938970	1142760	1333620	1497600	1431050	1037460	655750	254650	36940
10	629440	898220	933710	942630	1151520	1341050	1506500	1421790	1023020	638780	248010	32710
11	638140	902170	932900	946810	1158890	1347980	1514440	1410480	1011860	623960	240640	28960
12	650770	905400	930880	952650	1165900	1354410	1522960	1398780	998550	610920	234330	26840
13	662730	907430	929670	956070	1172960	1360960	1524030	1385670	986530	597470	228470	26180
14	673350	913090	928050	964330	1179550	1371550	1530420	1371550	973930	582550	222760	27330
15	681990	913090	927250	970180	1185680	1379120	1538930	1357940	962660	568620	217670	28060
16	693950	919150	926430	975600	1192270	1386180	1546920	1345490	950150	555220	210550	28960
17	708980	924820	926030	981030	1199330	1392730	1551710	1321350	937350	538850	199130	29280
18	720020	928450	925620	988250	1205920	1399290	1550110	1317780	926840	523070	187090	29610
19	731510	931290	926430	993830	1212110	1403320	1548520	1307880	914300	508830	175830	29860
20	743200	933310	927250	1001560	1219300	1408430	1553840	1296640	902980	494100	165400	30020
21	753070	933310	928050	1010140	1225540	1414600	1547990	1282520	891950	479720	155220	29040
22	764610	932900	929670	1016150	1232250	1416650	1544790	1268400	881360	464630	147640	28710
23	775430	932090	930480	1022590	1239440	1423650	1543190	1256710	867240	451440	140870	27330
24	784450	932500	930070	1026890	1245680	1428480	1543190	1247600	857570	437290	132270	28060
25	791420	931290	932090	1033490	1252390	1431560	1543190	1233210	846900	422830	123780	30590
26	803280	931290	934520	1040540	1258660	1444430	1542660	1216900	838460	409530	111280	32850
27	814590	930880	932900	1046700	1265960	1442360	1539470	1204040	827460	394460	104320	34360
28	825550	930480	931690	1053300	1272780	1444930	1534140	1191800	811800	380600	94540	36110
29	835080	930480	931290	1059020		1446480	1525620	1180030	798090	365840	85050	37400
30	838130	931690	931290	1065190		1449360	1515510	1167310	783360	353130	74400	39330
31	840620		931290	1071820		1449360		1154280		339020	64390	

Mean												
Acres												
Feet												

YEAR
OR
PERIOD

MEAN
ACRE-FOOT

1	2220	5180	4420	4390	1240	1970	3960	9430	9470	10200	9510	6390
2	140	4300	6230	4420	1240	1990	3960	9430	9590	10600	9430	5910
3	140	2530	6230	4420	1190	1990	3960	9430	9890	10800	2070	4240
4	140	2690	6160	4420	1190	1930	3180	9430	9630	9890	7180	3780
5	140	2710	6160	4420	1190	1800	2890	9100	9060	9340	7140	3380
6	1910	3460	6050	4450	1240	1780	2860	8820	9220	9760	7110	3380
7	1910	3460	5590	4240	1220	1800	2430	8820	9220	10100	6770	3430
8	1910	3460	4170	2240	1220	1800	2080	9220	9260	10100	6410	3380
9	1910	3290	5620	2150	1220	1800	2080	9430	9430	9840	6410	4240
10	1910	3660	5180	2080	1220	1800	1930	9390	9550	9760	6310	4910
11	1930	4200	5280	2080	1220	1820	1910	9430	9550	9970	6200	4390
12	2060	4200	6310	1760	1610	1820	2990	9680	9550	10000	6160	3640
13	2060	4840	6270	1760	1840	1800	3410	9840	9550	10100	6160	2710
14	2060	4940	6230	1760	1840	1800	2780	10100	8900	10100	6130	2530
15	1800	5110	6160	1760	1930	1910	2780	10200	8580	10300	6130	2660
16	1400	5180	5870	1760	1930	1890	3160	10200	9140	10300	7870	2730
17	1370	4550	6230	1760	1930	2040	4140	10300	9340	10200	9100	2760
18	1240	4940	6270	1780	1930	2780	5590	10200	9220	10200	9060	2780
19	1240	5420	5770	1800	1950	3180	6630	10100	8740	10200	8620	2780
20	1240	6050	5730	1800	1970	3640	6560	10100	8540	10300	8540	3350
21	1250	6230	4970	1800	1970	3610	7030	10100	8300	10100	7950	3640
22	1250	5910	4710	1800	1970	3720	7480	9680	8380	10100	6520	3690
23	1250	5590	5070	1800	1910	3610	6590	8980	8900	10100	6770	3290
24	1280	5210	5070	1800	1890	3610	5950	9020	8820	9930	7290	2530
25	1300	6050	4840	1800	1910	3660	5950	9180	8780	9930	7520	2150
26	1310	5620	2290	1800	1930	3610	5950	9470	9060	9590	7910	2120
27	1310	5260	4170	1800	1930	3690	6700	9970	9550	10000	7910	2170
28	1310	5240	5010	1800	1950	3780	7870	10000	9680	10300	7760	2260
29	2410	5700	4390	1820		3960	9060	9890	9890	10100	7720	2290
30	5240	5520	4390	1840		3990	9430	9680	10100	9760	7680	2310
31	5210		4390	1840		4020		9590		9680	7720	

Year	1970	4700	5230	2420	1640	2660	4710	9620	9230	10100	7450	5300
Sum	103000	280000	328000	149000	91100	164000	280000	592000	549000	621000	456000	196000

Year 1970
 Mean 5.260
 Accum-Prod 3,810,000
 Mean 369
 Accum-Prod 413000

Monthly discharge, in normal feet, of Lake Walcott near Minutka, Idaho

For the year ending September 30, 1921

Plate 32

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	95550	63040	72050	69190	53970	39750	80040	93670	96390	92260	94950	37060
2	90990	64470	72720	69410	52570	39960	82640	93900	95910	93440	94020	37160
3	85870	63260	73170	69410	51060	40380	85870	94140	95310	93090	92620	36230
4	81280	62380	73170	69410	49680	40490	88900	95430	95550	94950	88780	34980
5	76660	59670	73170	69410	48410	40590	89830	95910	96150	94020	84240	33740
6	72050	59130	72720	69190	47250	40380	90880	96030	95670	95550	78920	32080
7	71390	59770	71280	68530	45980	40170	92620	93440	95310	96150	73390	30420
8	70290	59990	70510	66990	44820	39960	92860	93550	94490	96870	67980	28780
9	69190	59990	71170	66440	43550	39860	93670	93550	94020	96870	62380	27150
10	68530	59990	70950	66110	42280	39750	94270	93200	93220	94720	56760	26340
11	66990	61940	71610	65890	40800	39960	94270	92970	93440	94950	51170	26550
12	66110	63260	72260	65230	39650	39960	94720	93090	93900	95070	45450	24920
13	65230	67650	72260	64690	39440	40380	95070	93220	94840	94720	40380	22280
14	64360	73280	72720	64030	39340	40800	95910	92620	95180	94720	34980	19140
15	61940	76100	72050	63480	39130	41230	94950	93090	94720	94250	29590	18650
16	61300	75650	72260	62820	39030	41650	93670	92620	92160	94840	25230	19040
17	61280	76100	72600	62160	39130	42070	92270	90410	95790	94840	24920	18850
18	60850	75980	72260	61720	39230	43450	90990	91810	95910	94600	26340	17260
19	60420	76550	71830	61060	39340	45670	90060	92160	96150	94020	26340	16070
20	60420	76660	71060	60420	39650	48200	92620	92740	96750	94370	26340	16470
21	59880	77900	70950	59560	39750	51490	91230	94020	96270	94370	25330	16070
22	59360	77680	70400	58910	39860	53210	92860	95180	95430	94720	24820	18150
23	59340	77680	70510	58270	39860	56440	93550	95430	94250	95070	23800	17460
24	58480	76210	70730	57840	39750	59560	92970	95180	94250	94720	24010	17260
25	57190	74520	69410	57410	39750	59670	92320	94250	93790	94600	25530	17860
26	56980	72720	67870	57190	39650	64260	91690	93790	92860	94840	26550	17260
27	56230	72160	69850	56870	39750	66000	90760	93790	92510	94950	32290	16670
28	53790	71390	70620	56440	39550	68530	90640	94720	91690	95430	34880	16670
29	55360	72050	70510	56120		71170	91690	95430	91460	96390	35190	15580
30	57840	71390	69630	55690		74180	93090	95910	91010	95910	35400	17030
31	60630		69410	55040		76440		96150		95670	35920	

Mean												
Area												
Per												

YEAR
OF
PERIOD

MEAN
AREA-FEET

WORTH CREEK IRRIGATION CANAL NEAR LINDSEY, IOWA

for the year ending September 30, 1914

Plate 33

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	557	401				0	209	1530	1190	1500	1360	0
2	547	366				0	210	1510	1310	1570	1230	0
3	536	366				0	274	1510	1450	1590	1160	0
4	531	364				0	276	1220	1510	1590	1180	0
5	531	359				0	276	1280	1550	1590	1190	0
6	520	358				0	327	1230	1600	1560	1180	0
7	532	358				0	362	1180	1600	1570	1180	0
8	519	358				0	390	1130	1600	1590	1170	0
9	456	359				0	425	1180	1600	1590	1160	0
10	445	359				0	464	1220	1600	1580	1160	0
11	442	359				0	484	1260	1600	1590	1160	0
12	440	362				0	486	1400	1550	1590	1160	0
13	440	370				0	549	1480	1500	1590	1160	0
14	439	374				0	676	1520	1510	1590	1150	0
15	430	386				0	814	1580	1430	1590	1130	80
16	430	342				25	925	1600	1460	1590	1060	734
17	429	269				50	1030	1580	1540	1590	1060	941
18	425	269				50	1150	1520	1520	1590	1080	912
19	422	269				87	1190	1490	1520	1590	1080	883
20	420	269				89	1210	1410	1520	1590	1080	886
21	418	271				30	1320	1250	1500	1590	1060	736
22	416	271				0	1040	1160	1440	1590	1050	923
23	416	271				0	572	1060	1330	1590	1040	826
24	413	263				45	996	1110	1230	1590	1040	482
25	410	269				90	960	1220	1230	1590	1070	404
26	410	267				92	959	1370	1250	1590	0	457
27	409	267				149	1130	1210	1440	1590	0	340
28	406	122				151	1360	1090	1470	1590	0	0
29	403	0				153	1430	1100	1470	1560	0	0
30	413	0				156	1530	1100	1470	1480	0	0
31	416					205		1100		1590	0	0

Dry during winter

MEAN	455	297				44.2	769	1300	1470	1570	915	287
ACRE-Feet	27900	17700	0	0	0	2720	45800	79900	87500	96800	56300	17100

MEAN Year 596
ACRE-Feet 431,000

Daily discharge, in second-feet, of

South Side Minidoka Canal near Minidoka, Idaho

for the year ending September 30, 1931

Plate 34

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	347						0	1080	1000	1140	1120	654
2	340						0	1060	1070	1140	1120	641
3	311						0	1040	1110	1150	1100	641
4	292						0	1030	1140	1140	1110	711
5	286						0	971	1150	1110	1120	736
6	288						0	962	1140	1120	1120	733
7	290						Dry 0	986	1130	1130	1110	725
8	287						0	968	1150	1140	1120	709
9	287						0	962	1150	1140	1070	665
10	200						0	971	1160	1140	902	633
11	345						0	977	1160	1150	812	641
12	299						0	986	1160	1150	820	631
13	298						0	1030	1120	1150	817	536
14	296						0	1060	1160	1150	806	501
15	142						0	1080	1160	1150	799	505
16	0						150	1090	1160	1170	755	272
17	0						300	1100	1160	1170	756	220
18	0						304	1100	1160	1170	773	324
19	0						307	1100	1160	1160	761	345
20	0						391	1110	1170	1160	753	326
21	Dry						550	1080	1160	1160	756	233
22	0						633	983	1120	1160	758	247
23	0						668	962	1140	1160	733	281
24	0						673	1000	1150	1160	736	356
25	0						700	1030	1140	1160	772	426
26	0						764	1030	1150	1150	795	421
27	0						837	1030	1150	1150	789	419
28	0						890	1030	1150	1160	775	419
29	0						977	986	1140	1160	764	413
30	0						1030	977	1130	1150	700	426
31	0							986		1140	659	

Canal Dry during winter months

MEAN	139						306	1020	1140	1160	871	493
AGG.	8550						16200	62700	67800	70700	53600	29300

MEAN
AGG.

MEAN 430
AGG. 311,000

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2280	3440	5440	4730	1910	1860	2040	6320	7370	6820	7340	6740
2	2160	3440	6000	4730	2020	1900	2110	6410	7480	6880	7340	4990
3	2040	3420	6240	4680	2070	1850	1910	6380	7400	7570	7370	4410
4	1950	3420	6190	4520	2050	1920	1800	6540	6650	7020	7310	3620
5	1770	3420	6220	4500	2030	1910	1660	6540	6350	6060	7130	3420
6	1950	3050	5920	4410	2000	1900	1520	6680	6490	6110	7310	3440
7	1940	2900	5210	3270	2020	1910	1520	7110	6540	6910	7370	3460
8	1850	2870	4750	2680	1950	1850	1210	7160	6570	7050	7310	3560
9	2020	2870	5280	2380	2030	1920	1140	7050	6740	7080	7280	3650
10	1850	2290	5210	2300	1990	1850	1060	6940	6800	7080	7160	4680
11	2020	2890	5480	2140	1990	1810	1180	6940	6570	7110	7160	4470
12	1920	2310	5710	2150	1990	1800	1560	6990	6320	7220	7110	4230
13	1870	1690	5970	2160	2040	1750	2120	7250	6350	7050	7050	4100
14	1920	2140	5920	2220	2040	1720	2260	7340	6220	7050	7140	3360
15	2090	3760	5690	2250	1960	1610	2370	7340	5240	7020	7140	2120
16	1540	4730	5790	2250	2040	1940	2540	7370	5560	7050	7110	1870
17	1490	4660	6030	2210	2040	2190	2980	7740	5970	7110	7160	1900
18	1380	4630	5870	2070	1980	2190	3720	7660	5890	7160	7140	1940
19	1230	4220	5280	2190	2030	1780	4820	7450	5480	7190	7020	2050
20	1420	5110	4820	2370	2040	1740	4750	7280	5310	7110	6990	2250
21	1350	5970	4700	2380	2030	1990	5040	6990	5510	7020	6910	2870
22	1360	5390	4590	2180	1920	2190	5440	6990	5640	6990	5340	2480
23	1390	5610	5340	2120	2000	2160	4470	7080	6160	7080	5140	2150
24	1400	5220	5160	2070	1990	2060	4160	7140	6270	7250	5140	1870
25	1670	6630	4850	1980	2030	2210	4590	7250	6200	7190	5160	1720
26	1400	5920	4750	1980	1990	2120	4500	7460	6410	6380	5180	1770
27	1450	5610	4820	1990	2040	2040	4540	7570	6630	6680	5740	1830
28	1500	5210	4630	2050	1980	2080	4850	7570	6850	7190	6880	1870
29	2550	5710	4870	2080		2110	5380	7220	6880	7110	7190	1950
30	3420	5210	4900	2050		2050	6160	7190	6880	7140	7220	1880
31	3440		4750	2070		1990		7250		7370	7080	

Mean	1650	4200	5370	2680	2010	1950	3110	7100	6360	7000	6800	3020
Ann-Peak	114000	250000	330000	165000	112000	120000	185000	437000	378000	430000	418000	180000

Year
1925

Mean 4310
Ann-Peak 3,120,000

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10.09	6.68	7.60	7.65	7.66	7.78	9.76	11.00	10.93	10.69	10.67	10.51
2	9.85	7.20	7.88	7.56	7.64	7.88	9.73	10.97	10.96	10.61	10.70	10.70
3	9.99	7.56	7.84	7.68	7.66	7.60	10.18	10.87	10.94	10.37	10.70	11.01
4	9.98	8.04	7.76	7.72	7.72	7.34	10.16	10.94	11.14	10.82	10.60	11.00
5	9.94	9.60	7.60	7.68	7.78	7.77	10.14	10.90	11.93	10.53	10.61	10.79
6	9.84	10.43	7.60	7.72	7.73	7.65	9.92	10.94	10.87	10.70	10.56	10.59
7	10.01	10.22	7.50	7.63	7.65	7.56	9.58	10.46	10.98	10.67	10.54	10.36
8	10.10	10.07	7.50	7.64	7.69	7.46	9.30	11.09	10.97	10.74	10.58	10.07
9	10.00	9.85	7.77	7.56	7.66	7.56	9.32	11.05	10.87	10.78	10.62	10.01
10	9.95	9.87	7.82	7.54	7.68	7.77	9.18	11.08	10.93	10.66	10.65	9.90
11	9.82	9.83	7.68	7.65	7.67	7.66	8.96	11.00	11.05	10.73	10.62	9.99
12	9.86	9.80	7.82	7.66	7.72	7.45	8.94	10.94	11.01	10.84	10.61	9.92
13	9.92	9.64	7.67	7.60	7.70	7.48	8.91	10.95	10.96	10.88	10.65	9.90
14	9.90	9.66	7.79	7.67	7.72	7.42	9.32	10.91	10.95	10.83	10.67	9.94
15	9.78	9.84	7.65	7.68	7.73	7.32	9.48	10.93	10.84	10.79	10.70	9.95
16	9.80	9.99	7.59	7.63	7.60	7.09	9.68	10.90	10.60	10.79	10.67	10.02
17	9.86	9.61	7.58	7.64	7.72	7.32	9.78	10.65	10.92	10.80	10.66	9.99
18	9.61	9.64	7.89	7.67	7.68	7.62	9.66	10.81	10.87	10.77	10.68	9.86
19	9.63	9.65	7.74	7.58	7.50	7.20	9.58	11.07	10.76	10.77	10.75	9.65
20	9.50	9.71	7.56	7.58	7.68	8.03	10.64	11.12	10.68	10.86	10.66	9.75
21	9.40	9.71	7.66	7.68	7.77	8.23	10.56	11.13	10.71	10.83	10.60	9.88
22	9.34	8.98	7.64	7.93	7.79	7.68	11.02	11.00	10.78	10.78	10.54	10.19
23	9.34	8.36	7.58	7.87	7.72	8.38	10.89	10.88	10.67	10.75	10.65	10.02
24	9.33	7.83	7.95	7.60	7.68	8.72	10.64	10.84	10.83	10.68	10.68	9.86
25	9.24	7.93	7.96	7.51	7.64	8.35	10.74	10.78	10.80	10.67	10.70	9.92
26	9.16	7.82	7.51	7.68	7.71	9.23	10.83	10.80	10.75	10.68	10.50	9.86
27	9.21	7.52	7.88	7.78	7.51	9.32	10.63	10.96	10.75	10.68	10.73	9.88
28	9.03	7.55	8.02	7.67	7.78	9.40	10.83	11.04	10.71	10.77	10.54	9.90
29	7.04	7.90	7.92	7.59	-----	9.47	10.84	11.09	10.74	10.69	10.44	9.79
30	6.32	7.96	7.93	7.54	-----	9.76	11.00	10.98	10.67	10.65	10.45	9.95
31	6.44	-----	7.72	7.60	-----	9.76	-----	10.23	-----	10.53	10.40	-----

MEAN												
ACRE-												
FEET												

YEAR
OR
PERIOD

MEAN
ACRE-FOOT

Daily discharge, in second-feet, of P. A. Lateral Near Milner, Idaho

for the year ending September 30, 1924

Plate 37

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0										
2		0					0	60	60	61	62	61
3		0					0	60	60	61	62	61
4		0					0	59	61	61	62	62
5		0					0	60	61	61	62	62
6		0					0	60	61	61	62	63
7		0					0	60	61	61	62	63
8		0					0	60	61	61	62	63
9		0					0	59	61	62	62	63
10		0					0	59	61	62	62	63
11		0					0	60	61	62	62	61
12		0					0	59	61	62	62	57
13		0					0	59	61	62	62	52
14		0					0	60	61	62	62	47
15		0					0	60	61	61	62	47
16		0					0	59	61	61	62	47
17		0					6	59	61	61	62	0
18		0					15	59	61	62	62	0
19		0					19	59	61	62	62	0
20		6					35	60	61	62	62	0
21		13					35	60	0	62	61	0
22		13					30	60	0	62	61	0
23		13					32	59	0	62	61	0
24		13					35	59	0	62	61	0
25		13					41	60	62	61	62	0
26		7					48	60	62	61	62	0
27		0					48	60	61	62	62	0
28		0					48	60	61	62	61	0
29		0					53	61	61	62	61	0
30		0					57	61	61	62	61	0
31							57	60	61	62	61	0

Dry during winter months

Dry

MEAN		2.6				18.6	52.9	61.6	61.7	29.1
ACUM-FEET		155				1110	3150	3790	3790	1730

YEAR
PERIOD

MEAN 24.0
ACUM-FEET 17,400

Daily discharge, in second-feet, of

Hilner Low Lift Canal near Hilner, Idaho

for the year ending September 30, 1921

Plate 38

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							0	84	135	148	162	98
2							0	84	138	154	164	99
3							0	85	135	159	164	101
4							0	88	140	158	152	101
5							0	89	140	158	145	100
6							0	90	128	160	149	100
7							0	26	125	153	162	100
8							0	96	124	58	162	82
9							0	119	123	158	163	80
10							0	118	123	158	161	103
11							0	135	122	158	160	93
12							0	140	123	160	146	85
13							0	140	122	160	146	63
14							25	149	134	162	147	49
15							25	157	138	163	146	49
16							25	157	91	163	145	49
17							24	158	132	165	142	55
18							36	158	132	162	90	49
19							39	158	134	163	93	52
20							40	126	135	167	90	51
21							36	141	111	167	81	55
22							21	142	132	164	109	55
23							0	141	139	163	115	52
24							0	137	139	164	113	49
25							0	138	140	166	116	47
26							0	128	140	163	117	46
27							49	133	0	164	116	15
28							80	135	93	160	114	0
29							81	136	130	165	110	0
30							82	135	132	162	106	0
31								135		164	101	

Mean							568	124	124	158	132	62.5
Area							1120	7620	7580	9720	6120	3720

Year

Mean 52.1

Area-Foot 57,700

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	405	192	135		0	60	450	735	1070	980	1530	1440
2	405	192	175		0	60	450	735	1090	978	1560	1460
3	405	192	175		0	90	478	753	782	923	1590	1420
4	576	192	175		0	107	478	770	320	1010	1590	1400
5	576	192	225		0	126	478	774	694	376	1610	1370
6	576	192	225		0	118	478	763	772	0	1600	1360
7	596	192	225		0	150	598	763	790	574	1610	1360
8	623	192	300		0	153	762	806	852	854	1610	1380
9	623	192	300		0	182	853	787	925	885	1580	1390
10	623	192	325		0	223	853	787	906	887	1580	1400
11	623	245	325		0	228	426	818	910	887	1580	1420
12	623	245	325		0	229	0	841	920	905	1580	1400
13	623	190	325		0	228	0	853	913	992	1570	1410
14	623	190	325		0	242	0	862	933	1500	1570	1300
15	623	220	325		0	243	0	871	232	1500	1580	775
16	623	220	325		0	245	8	835	0	1540	1580	410
17	623	220	325		20	238	79	865	337	1530	1580	410
18	638	220	325		40	270	199	884	780	1530	1580	412
19	638	220	325		40	285	199	898	824	1530	1590	136
20	638	220	122		40	285	372	926	840	1540	1580	0
21	638	220	0		40	295	468	943	848	1500	1570	0
22	638	220	0		47	295	608	954	903	1530	1580	0
23	638	220	0		50	332	622	972	907	1530	1550	0
24	638	220	0		50	350	622	979	938	1530	1550	0
25	638	220	0		50	355	650	967	918	1530	1550	0
26	638	220	0		50	375	650	974	935	744	1520	0
27	638	220	0		57	410	650	970	920	640	1500	0
28	638	220	0		60	410	650	985	918	1220	1510	0
29	238	220	0		—	410	650	997	935	1430	1490	0
30	173	220	0		—	442	735	997	930	1530	1500	0
31	178		0		—	450		1000		1520	1500	

MEAN	561	210	171		19.4	255	449	673	802	1150	1560	722
ACRE-FOOT	34500	12500	10500		1080	15700	26700	53700	47700	70700	95900	43000

Daily discharge, in second-feet, of GOODING PROJECT WATER IN GOODING CANAL NR. MILBURN, IDAHO, for the year ending September 30, 1954. Page 40

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	90	85	135		0	60	445	735	1070	975	950	995
2	90	85	175		0	60	445	735	1090	975	980	1015
3	90	85	175		0	90	475	755	782	915	1010	975
4	90	85	175		0	107	475	770	520	1005	1010	965
5	90	85	225		0	126	475	774	694	276	1030	935
6	90	85	225		0	110	475	759	772	0	1010	925
7	90	85	225		0	150	475	759	785	574	1020	930
8	110	85	300		0	159	475	801	847	654	1025	950
9	110	85	300		0	182	475	782	920	880	995	965
10	110	85	325		0	225	475	782	901	882	995	985
11	110	79	325		0	225	226	813	905	882	995	1015
12	110	79	325		0	225	0	836	915	900	995	1025
13	110	90	325		0	225	0	842	913	947	985	1060
14	110	90	325		0	237	0	857	922	980	985	975
15	110	104	325	DRY	0	245	0	866	227	970	1000	375
16	110	104	325		0	240	0	830	0	1010	1000	0
17	110	104	325		20	233	72	860	257	1000	1000	0
18	125	104	325		40	265	190	870	780	955	1000	0
19	125	104	325		40	280	190	893	810	955	1010	0
20	125	104	122		40	280	372	921	835	965	1000	0
21	125	104	0		40	290	402	932	845	925	990	0
22	125	104	0		47	290	602	940	892	955	1070	0
23	125	104	0		50	327	522	967	902	940	1040	0
24	125	104	0		50	345	622	974	933	940	1040	0
25	125	104	0		50	350	650	962	913	940	1040	0
26	125	104	0		50	370	650	960	936	154	1010	0
27	125	104	0		51	405	650	965	920	0	1000	0
28	125	104	0		60	405	650	980	912	640	1015	0
29	125	104	0			405	650	992	935	850	1035	0
30	125	104	0			437	735	992	925	950	1035	0
31	125		0			454		1000		940	1055	

Month	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Acres-Foot	6900	5650	10500	0	1080	15482	23900	53452	47522	50100	61900	20000

U. S. GOVERNMENT PRINTING OFFICE: 1954

YEAR
1954
Rainfall

Month
ACRES-FOOT 304,466

Daily discharge, in second-feet, of NORTH SIDE PROJECT WATER IN GOODING CANAL NR. ELMER, IDAHO, for the year ending September 30, 1923. Plate 41

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	515	107	0		0	0		0	0		580	445
2	515	107	0		0	0		0	0		580	445
3	515	107	0		0	0		0	0		580	445
4	486	107	0		0	0		0	0		580	435
5	486	107	0		0	0		0	0		580	435
6	486	107	0		0	0		0	0		580	430
7	506	107	0		0	0	12	0	0		585	430
8	513	107	0		0	0	28	0	0		585	425
9	513	107	0		0	0	30	0	0		585	415
10	513	107	0		0	0	30	0	0		585	405
11	513	107	0		0	0	0	0	0		585	375
12	513	107	0		0	0	0	0	0		585	350
13	513	100	0		0	0	0	0	0	4	585	325
14	513	100	0		0	0	0	0	0	30	580	400
15	513	116	0	DRY	0	0	0	0	0	30	580	410
16	513	116	0		0	0	0	0	0	30	580	410
17	513	116	0		0	0	0	0	0	30	580	412
18	513	116	0		0	0	0	0	0	30	580	136
19	513	116	0		0	0	0	0	0	30	580	0
20	513	116	0		0	0	0	0	0	30	580	0
21	513	116	0		0	0	0	0	0	30	580	0
22	513	116	0		0	0	0	0	0	30	580	0
23	513	116	0		0	0	0	0	0	30	580	0
24	513	116	0		0	0	0	0	0	30	580	0
25	513	116	0		0	0	0	0	0	30	580	0
26	513	116	0		0	0	0	0	0	30	580	0
27	513	116	0		0	0	0	0	0	30	580	0
28	513	116	0		0	0	0	0	0	30	580	0
29	513	116	0		0	0	0	0	0	30	580	0
30	513	116	0		0	0	0	0	0	30	580	0
31	513	116	0		0	0	0	0	0	30	580	0

Mean												
Acres	7606	6250	0		0	213	8800	240	170	20500	34000	15000
Feet												

U. S. GOVERNMENT PRINTING OFFICE: 1923

YEAR
or
Period

Mean

Acres-Feet 107,500

Daily discharge, in second-feet, of

SOUTH FORK JOHN FALLS CANAL AT MINER, IDAHO

for the year ending September 30, 1922

Plate 42

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	1130	534	546	509	439	711	2910	3040	2670	2250	1990
2	0	1120	550	531	509	433	697	2910	3060	2640	2260	165
3	0	1070	524	534	494	430	724	2870	3060	2570	2240	0
4	0	704	457	550	487	415	724	2890	3170	2730	2210	0
5	0	0	424	569	475	442	718	2870	2800	2680	2210	0
6	0	0	406	556	460	436	704	2890	2520	2730	2200	0
7	0	0	395	553	451	433	663	2710	2540	2720	2190	0
8	0	0	392	582	445	466	0	3040	2540	2740	2200	0
9	0	232	404	528	445	506	0	3020	2510	2730	2210	0
10	0	433	413	518	445	594	0	3020	2530	2640	2220	467
11	0	472	401	503	442	624	639	2970	2550	2650	2210	812
12	0	566	409	503	448	697	1410	2940	2530	2760	2200	887
13	0	594	401	524	445	748	1470	2950	2450	2540	2180	917
14	0	594	404	506	448	742	1390	2970	2430	2160	2160	730
15	0	594	398	503	451	728	1320	3000	2340	2240	2160	0
16	0	604	445	497	445	704	1350	2990	2380	2250	2150	0
17	0	585	518	500	451	721	1370	2880	2570	2250	2150	0
18	0	591	562	503	448	742	1400	2950	2350	2240	2150	0
19	0	594	518	512	439	766	1660	3060	2260	2260	2150	283
20	0	594	515	524	442	776	2030	3100	1830	2230	2130	424
21	0	604	531	506	442	787	2110	3090	1840	2200	2130	902
22	0	607	546	515	436	724	2510	3040	2000	2200	997	1220
23	0	585	543	512	433	794	1850	2970	2100	2210	0	1190
24	0	546	575	503	430	819	1520	2970	2620	2210	0	1170
25	0	543	630	509	430	790	1900	2970	2620	2220	0	1040
26	0	550	556	509	430	851	1910	3000	2570	2250	0	973
27	239	534	594	515	424	766	1900	3070	2600	2260	159	969
28	647	531	585	509	436	721	1900	3090	2610	2280	1890	969
29	604	546	627	506		728	1980	3120	2700	2250	1930	963
30	851	550	624	506		735	2550	3060	2670	2240	1970	977
31	1060		670	506		742		3040		2220	1960	

Year	109	585	502	521	451	655	1300	2900	2520	2420	1770	568
Acres-Foot	6700	31900	30900	32000	25000	40300	77400	183000	180000	149000	109000	33800

YEAR
END
1922

MEAN 1,200

ACRES-FOOT 869,000

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1670	123	808	780	760	560	676	2780	3100	3250	3440	2920
2	1590	100	788	780	760	554	686	2890	3120	3230	3460	2950
3	1560	100	765	782	760	548	689	2890	3120	3180	3460	2950
4	1480	100	772		760	548	695	2900	3300	3330	3440	2830
5	1410	322	795		760	551	701	2990	3120	3190	3430	2710
6	1360	2040	756		710	548	701	3010	3060	3200	3420	2600
7	1340	1190	743		700	548	704	2930	3060	3190	3410	2590
8	1310	818	775		670	542	698	3350	3070	3220	3460	2550
9	1280	815			660	551	679	3370	3060	3310	3450	2470
10	1220	795			660	562	560	3220	3080	3290	3440	2390
11	1170	778			661	615	211	3190	3120	3300	3420	2250
12	1180	778			652	606	84	3170	3060	3360	3350	2020
13	1180	785		770	667	815	85	3200	2970	3340	3340	1930
14	1130	772			652	872	240	3280	2960	3300	3350	1870
15	1030	773			648	855	862	3290	2930	3280	3360	1820
16	945	805			648	838	914	3280	2870	3300	3360	1820
17	906	769			639	852	1160	3210	2960	3320	3350	1810
18	914	778			633	882	1780	3250	2940	3330	3280	1790
19	931	769			615	903	2050	3350	2870	3380	3250	1790
20	934	769	780		603	917	1960	3370	2820	3450	3230	1770
21	931	782			606	924	2140	3350	2840	3400	3240	1780
22	893	792		762	606	903	2410	3250	2880	3400	3240	1670
23	886	808		762	603	727	2230	3190	2850	3430	3290	1480
24	889	785		762	606	603	2090	3180	2910	3420	3250	1230
25	872	782		762	571	627	2100	3140	2950	3480	3220	1080
26	848	782		762	554	624	2100	3150	2950	3490	3170	1080
27	785	792			557	633	2110	3190	3060	3500	3220	1080
28	727	802			557	645	2270	3220	3140	3530	3090	1070
29	736	792		760		653	2350	3230	3200	3440	2960	1060
30	571	808				661	2700	3150	3250	3430	2890	1050
31	281					676		3110		3400	2880	

MEAN	1060	737	779	768	655	589	1290	3160	3020	3340	3300	1950
ACRE-Feet	65200	43900	47900	47200	36300	42400	76800	194000	180000	205000	203000	118000

U. S. GOVERNMENT PRINTING OFFICE: 1910 6-7159

YEAR
1910

MEAN 1740

ACRE-Feet 1,250,000

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1410	2190	4090	3380	890	1120	34	13	10	10	11	11
2	275	2140	4590	3380	880	1090	33	16	11	10	10	11
3	486	2240	5410	3180	890	1050	42	14	11	10	10	13
4	530	1670	5460	3280	906	574	30	14	24	11	10	14
5	416	714	5380	3280	984	776	30	11	12	10	10	12
6	293	859	5160	3280	1090	1050	26	10	10	10	10	12
7	407	2470	4690	3330	1090	1050	18	11	11	10	10	11
8	647	2730	2980	2000	1040	750	35	15	10	10	9	10
9	750	2340	3340	1700	1050	470	34	12	10	10	9	11
10	750	2100	4550	1410	1050	637	33	12	11	10	9	11
11	642	2100	4420	1090	1050	672	21	12	11	10	10	11
12	593	1610	4760	1120	1050	398	14	11	11	10	10	11
13	593	797	4910	1120	1050	168	13	11	11	10	10	11
14	647	627	5180	828	1050	93	15	20	12	10	10	11
15	682	1290	5120	984	1060	92	17	11	14	11	10	11
16	693	4070	4490	1120	890	58	10	10	12	11	10	11
17	693	4130	4070	1120	984	33	10	10	11	11	9	11
18	632	3390	4940	1120	1060	22	17	10	11	11	9	11
19	296	3680	5200	1120	1020	13	17	12	10	10	10	11
20	166	3680	4520	880	932	13	20	20	10	11	10	10
21	166	5060	3870	880	1090	14	20	22	10	11	9	10
22	170	5720	3500	906	1090	11	66	14	11	11	10	10
23	170	5340	3540	1460	1080	15	40	10	10	11	10	12
24	170	4660	3480	1140	1060	10	30	10	10	10	10	12
25	377	5060	3430	885	1070	16	27	10	10	10	10	11
26	438	5380	2680	745	1060	27	23	10	11	10	10	11
27	570	4010	2100	984	906	28	25	10	10	10	10	11
28	1200	3810	3180	1080	1010	28	21	11	10	10	10	11
29	3630	3670	3280	1050		31	20	16	11	10	10	11
30	2240	4590	3430	1000		34	10	11	11	10	10	10
31	2270		3770	901		35		11	11	10	10	11

103
312
306
317
312
306
275
267
70

Mean	765	3080	4170	1800	1010	535	47.6	12.9	11.2	10.3	66.9	11.1
Actual	47000	183000	256000	98400	56100	30600	2830	793	666	633	5470	660

Year 1930
Actual 672,000

Daily discharge, in cubic feet, of **Henry's Lake near Lake, Idaho**, for the year ending September 30, 19 **31** Plate 45

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1									17828	10484	4496	4300
2										9957	4453	
3										9377	4429	
4										8872	4399	
5										8376	4374	
6	4997									7924	4353	
7										7524	4334	
8										7172	4322	
9										6858	4315	
10									13528	6600	4307	
11			6100							6360	4302	
12								17077		6150	4300	
13										5976		
14										5828		
15						9909			18428	5688		
16								11757	18078	5546		
17									17690	5430		
18									17464	5324		
19									17184	5217		
20									16799	5130		
21									16234	5056		
22									15537	4993		
23									14947	4933		
24									14312	4880		
25									13786	4828		
26									13285	4781		
27								17127	12695	4729		
28									12100	4678		
29									11541	4633		
30									11026	4591		4300
31	5502									4545		

Mean												
Acres												
Feet												

U. S. GOVERNMENT PRINTING OFFICE: 1919

YEAR
OR
PERIOD

MEAN
ACRES-FEET

daily discharge, in second-feet, of

Henrys Fork near Lake, Idaho

for the year ending September 30, 1953

Plate 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	22	4							11	281	37	14
2	30								11	279	29	14
3	23								11	306	27	14
4	22								11	260	25	13
5	22								11	264	23	13
6	30								11	242	22	12
7	30								11	215	19	10
8	31								11	190	16	10
9	24								11	171	16	8
10	12								12	143	15	12
11	4								24	133	13	10
12	4							9	57	113	12	9
13	4							9	75	100	11	9
14	4								83	87	10	9
15	4								84	82	11	9
16	4								85	84	11	9
17	4								137	71	12	9
18	4								172	65	12	12
19	4								224	66	11	15
20	4								313	55	11	18
21	4								347	42	11	25
22	4								349	43	11	23
23	4								345	41	10	18
24	15								288	39	10	14
25	6								274	37	10	11
26	5							9	317	35	10	11
27	4							9	310	37	11	11
28	4							10	301	37	12	10
29	4							11	277	34	12	14
30	4							11	260	32	12	15
31	4							11		34	12	

Mean	11.9	4.0						9.35	149	117	14.9	12.6
Acum-Precip	732	56						371	6870	7190	916	750

1953
XXXXXX
Panion

Mean
Acum-Precip 16,900

Daily discharge, in second-feet, of **Hear's Fork at Warm River, Idaho**

for the year ending September 30, 1902

Plate 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	812	800	735	560	575	672	724	964	747	944	741	667
2	845	806	869	735	596	701	719	938	753	950	729	656
3	837	794	831	794	612	701	724	944	764	950	718	650
4	843	800	837	764	684	701	695	996	770	970	706	645
5	831	800	818	679	724	662	684	983	747	964	712	645
6	824	794	729	706	724	607	712	944	741	938	701	645
7	861	788	695	735	689	673	712	931	735	938	701	645
8	919	788	662	679	623	623	735	931	735	905	689	645
9	918	788	581	678	550	729	753	912	741	874	695	645
10	905	788	656	679	712	706	753	886	753	855	689	645
11	912	788	718	735	701	701	741	855	747	837	684	645
12	918	788	824	689	662	724	812	837	741	831	689	650
13	893	824	764	689	560	706	905	824	755	812	718	650
14	874	880	735	645	602	713	976	837	782	800	719	656
15	855	788	678	678	729	695	970	861	782	788	712	656
16	837	800	678	678	729	706	957	874	788	776	701	662
17	824	794	678	678	712	701	983	893	782	788	695	656
18	818	812	634	678	718	735	1100	861	800	776	684	656
19	831	782	678	678	718	724	1200	812	843	770	684	656
20	831	782	678	667	729	701	1090	724	880	770	684	672
21	831	724	678	656	706	706	1010	782	899	764	678	667
22	831	724	678	678	645	724	931	770	970	764	689	667
23	824	782	623	689	672	712	831	759	990	759	684	667
24	818	782	623	735	724	712	868	759	996	759	678	678
25	899	782	520	673	619	724	855	770	976	740	667	678
26	849	770	667	684	645	560	868	770	931	735	662	662
27	818	782	545	689	729	662	880	770	950	735	656	656
28	806	667	650	689	718	729	931	770	983	735	662	662
29	806	695	623	695		695	996	764	964	729	662	689
30	800	570	591	656		695	990	747	938	741	662	667
31	800		591	706		735		741		741	662	

MEAN	847	775	686	609	672	695	870	848	833	881	691	668
ANNUAL	52100	46100	42200	42400	37300	42700	51800	53100	49600	50500	42500	39200

YEAR
END
1902

MEAN 757
ANNUAL 548,000

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1080	981	992	960	970	981	1010	1450	1040	1140	976	907
2	1070	1000	992	1020	970	981	1010	1340	1080	1160	947	907
3	1070	1020	1040	1060	970	981	1010	1230	1070	1160	939	907
4	1090	1040	1060	1060	970	981	1010	1500	1080	1160	931	907
5	1120	1040	1010	992	992	970	1000	1400	1070	1170	915	907
6	1100	1020	1020	940	992	950	1000	1360	1040	1260	915	907
7	1090	1020	970	940	992	930	997	1360	1020	1180	915	907
8	1130	1020	910	950	992	930	1010	1320	1020	1200	915	907
9	1210	1040	920	970	981	992	1020	1320	1050	1140	915	907
10	1210	1020	940	970	981	1000	1100	1320	1050	1110	923	907
11	1200	1010	940	930	981	910	1120	1270	1010	1110	923	907
12	1210	1020	960	992	981	1010	1120	1200	1040	1040	923	907
13	1160	1060	981	992	981	1000	1180	1180	1040	1040	931	907
14	1090	1080	981	992	981	992	1310	1200	1030	1040	947	907
15	1090	1080	992	950	981	970	1280	1200	1040	1010	947	891
16	1120	1000	992	950	992	992	1300	1200	1030	997	931	891
17	1080	1000	992	960	992	981	1360	1210	1010	976	907	907
18	1030	1070	970	960	992	910	1400	1210	997	1010	907	890
19	1040	992	960	960	992	1040	1580	1180	997	976	907	907
20	1040	890	960	960	992	1020	1630	1160	1040	976	890	890
21	1070	900	960	960	981	970	1300	1170	1100	976	890	907
22	1070	940	960	950	970	970	1300	1150	1150	955	907	915
23	1060	950	960	960	970	1060	1270	1110	1200	955	907	947
24	1050	970	920	970	981	1010	1230	1020	1230	939	907	915
25	1060	970	910	970	981	1010	1170	1080	1180	923	890	923
26	1050	950	890	970	981	970	1150	1060	1180	923	890	923
27	1120	950	870	970	981	970	1150	1030	1200	955	907	923
28	1080	950	870	970	981	960	1230	1030	1270	976	907	915
29	1050	960	870	970		970	1320	1070	1230	966	907	923
30	1040	960	870	970		970	1370	1080	1170	931	907	931
31	1010		910	970		992		1050		947	907	

Mean	1090	997	954	972	963	980	1200	1210	1090	1040	916	910
Sum	67000	59200	58700	59800	54500	60300	71400	74400	64900	64000	56400	54100

YEAR
1900
FADE

MEAN 1.030
AUG. PREC. 755.000

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								1110	1260	441	783	762
2								1110	1300	493	752	692
3								1000	1340	566	741	701
4								1380	1300	540	710	752
5								1320	1060	501	672	752
6								1190	836	566	566	752
7								1170	871	540	509	682
8								1030	752	663	501	654
9								917	616	654	608	682
10								783	574	634	682	762
11								882	608	720	692	814
12								928	574	692	730	814
13								1120	557	644	772	814
14								1230	540	663	906	804
15								1900	557	682	906	783
16								2950	509	634	882	804
17								3020	478	493	752	804
18								2090	448	509	644	804
19								1170	462	501	814	804
20								917	524	493	710	825
21								1000	566	462	692	825
22								1040	608	413	720	848
23								1190	644	462	741	794
24								1650	540	524	762	814
25								1880	501	566	772	848
26								1260	485	663	860	860
27								1060	540	710	794	848
28							860	1030	517	772	741	814
29							1020	848	509	825	772	814
30							1120	730	462	733	848	783
31								978		730	730	

1000	1290	685	598	734	764
5950	79300	40600	36600	45100	46700

MEAN
ACRE-FOOT 255,000

Daily discharge, in second-feet, of KENNEY FOUNTAIN NEAR REYSBURG, IDAHO

for the year ending September 30, 1921

Plate 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1220	1540					1400	287	440	319	680	615
2	1240	1580					1420	274	570	311	665	600
3	1250	1630					1440	260	745	311	635	552
4	1260	1640					1330	247	824	311	620	548
5	1270	1630					1190	367	775	299	600	544
6	1260	1630					1160	387	605	303	566	521
7	1230	1630					1100	387	503	331	476	512
8	1310	1620					1040	391	494	335	418	512
9	1650	1630					1010	379	467	375	408	498
10	1820	1640					1020	347	444	359	480	526
11	1920	1640				1550	1000	331	431	351	530	575
12	1940	1650					960	323	422	408	548	580
13	1930	1700					960	319	404	351	595	575
14	1810						1030	319	395	335	670	570
15	1680						1020	544	383	371	745	539
16	1680						775	1250	367	395	760	530
17	1630						665	2120	359	379	760	544
18	1580						665	1770	363	307	720	544
19	1530						824	929	355	283	675	534
20	1500						740	540	355	268	680	552
21	1520	1620					685	562	347	264	595	552
22	1530						508	620	351	261	585	562
23	1510					1560	454	705	343	254	590	590
24	1490					1490	480	836	330	250	615	585
25	1500					1380	431	1240	331	250	625	595
26	1530					1330	355	964	331	254	650	585
27	1550					1340	342	650	323	351	710	585
28	1570					1350	328	462	311	467	660	580
29	1560					1360	315	462	327	620	625	615
30	1510					1340	301	418	319	720	645	610
31	1490					1420		391		720	665	

MEAN	1530	1620				1510	833	616	434	558	619	561
ACQ-FT	94100	96400				92800	49500	57900	25800	33000	38100	33400

MEAN
PERIOD

MEAN
ACQ-FT 490,000

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	185	180	177	177	174	166	180	203	177	169	169	169
2	185	180	177	177	166	174	177	197	177	169	169	166
3	185	185	177	177	166	174	177	203	177	169	169	166
4	185	185	177	177	174	177	177	200	177	169	171	166
5	185	185	177	177	183	180	177	200	177	169	169	152
6	185	180	177	177	174	177	177	200	177	169	171	169
7	185	185	177	177	171	171	177	197	177	169	171	169
8	185	180	177	177	166	174	180	194	177	169	171	169
9	185	180	177	177	166	174	183	191	174	169	171	169
10	185	185	177	177	177	177	183	188	177	169	171	169
11	185	185	177	177	177	177	183	188	177	169	169	169
12	191	185	177	177	166	177	191	183	174	169	171	169
13	185	185	177	177	171	177	203	180	174	169	180	169
14	185	185	177	177	166	180	200	183	174	169	174	169
15	185	185	177	177	169	174	197	180	174	169	171	169
16	185	185	177	177	174	174	217	180	171	169	169	169
17	185	185	177	177	177	177	214	180	171	169	169	169
18	185	185	177	177	171	174	226	180	171	169	169	169
19	185	174	177	177	174	174	226	180	171	169	171	169
20	185	180	177	177	174	177	203	180	171	169	169	169
21	185	180	177	171	171	177	203	180	171	169	169	169
22	185	180	177	177	166	177	197	180	171	169	169	169
23	185	180	177	177	166	174	194	180	171	169	169	169
24	185	180	177	177	183	177	194	180	171	169	169	169
25	185	180	177	177	177	177	194	180	169	169	169	169
26	185	180	177	174	177	174	191	177	169	169	169	169
27	185	180	177	174	174	194	197	177	169	169	169	169
28	185	180	177	177	174	177	200	183	169	171	169	169
29	185	180	177	174		174	203	180	169	169	169	169
30	180	180	177	166		174	200	180	169	169	169	169
31	180		177	169		177		177		169	169	

Mean	185	182	177	176	172	176	194	186	173	169	170	163
Count	11400	10800	10900	10800	9550	10800	11500	11400	10300	10400	10500	10000

YEAR
1911

Mean 177
Count-Prod. 128,000

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	52	51				44	59	170	73	43	41	39
2	52	51				44	59	179	73	43	39	37
3	54	51				47	56	217	70	43	39	37
4	52	51				46	50	217	65	43	38	37
5	52	51	55			47	50	194	65	44	38	39
6	52	49				47	62	179	63	41	38	39
7	58	49				49	74	177	62	41	38	38
8	87	51			49	53	78	156	59	41	38	38
9	73	51				45	92	151	58	40	38	38
10	61	51				58	92	130	59	41	39	38
11	77	51				45	92	124	59	39	38	37
12	71	49	55			46	105	124	58	40	39	37
13	62	53				46	134	120	58	40	43	37
14	57					47	129	122	57	39	44	37
15	57			50		46	97	116	55	39	44	38
16	53					47	129	120	53	38	41	41
17	51	56				47	140	104	51	37	39	40
18	51					47	154	94	50	37	39	40
19	53					47	167	92	52	37	40	40
20	52		55			47	129	92	51	37	39	42
21	51	57				47	147	90	49	37	39	42
22	51	45				47	124	87	49	37	39	40
23	51	50				47	120	83	49	37	39	40
24	51	55				47	120	78	47	37	39	42
25	53					47	109	76	46	37	39	44
26	53					46	107	74	45	37	39	37
27	53					51	128	73	47	37	38	40
28	51	55				51	149	87	46	37	39	41
29	49					47	172	94	44	37	38	41
30	49					47	174	81	44	37	38	41
31	51					51		73		41	39	

Mean	56.8	52.9	55.0	50.0	47.0	49.3	110	122	55.2	39.2	39.3	39.2
Acres	2490	3150	3380	3070	2650	3030	6550	7500	3280	2410	2420	2330

Daily discharge, in second-feet, of FALL RIVER NR. SQUIER, IDAHO

for the year ending September 30, 1931

Plate 53

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
1	340	340	360		300	340	386	910	1460	265	340	318	
2	329	340				329	388	1060	1720	255	329	318	
3	329	340				339	352	1100	1570	255	329	324	
4	340	340				318	352	1100	1240	255	318	324	
5	329	340				307	352	1120	1010	255	318	324	
6	329	340				307	364	1050	1050	245	329	290	
7	550	340				318	442	1050	890	364	324	312	
8	702	340				275	518	990	774	364	318	324	
9	566	340				225	442	850	684	364	318	324	
10	526	340				275	456	830	830	364	312	307	
11	486	340	364	300		329	518	830	702	364	324	302	
12	470	340	360			318	340	566	1010	666	364	307	302
13	442	388				255	329	702	1220	614	364	364	302
14	388	364				285	329	614	2170	596	352	364	302
15	376	340				340	329	582	2430	566	352	364	318
16	364	340	330			352	329	614	3060	534	225	346	318
17	340					340	329	774	3120	518	215	334	307
18	329					340	329	910	2000	518	230	329	296
19	307					340	340	870	1260	502	215	334	296
20	329					318	340	792	1140	486	215	324	340
21	340		300		340	340	792	1010	400	205	324	340	
22	364				364	352	720	870	388	205	318	318	
23	329				352	364	598	1220	376	340	296	318	
24	329				340	340	630	2460	364	329	312	334	
25	329	340			340	598	2370	364	329	312	329		
26	352	340			340	582	1890	428	329	324	329		
27	376	340			340	340	648	1570	428	329	324	318	
28	400				340	340	792	1440	400	318	324	302	
29	400				—	329	930	950	400	318	312	302	
30	376				364	364	990	850	400	329	318	302	
31	352					388		1360		340	318		

MEAN	291	342	334	300	319	326	609	1430	695	296	326	315
ACRE-Feet	24000	20400	20500	18400	17700	20000	36200	87900	41400	18300	20000	18700

YEAR
ONE
INCHESMEAN 475
ACRE-Feet 344,000

Discharge, in second-feet, of Fall River near Victor, Idaho

for the year ending September 30, 1921

Plate 54

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								887	1180	17	185	278
2								924	1270	17	185	278
3								924	1260	18	178	269
4								1060	1100	56	178	221
5								1040	844	56	174	196
6								951	735	55	139	196
7								1030	768	73	122	115
8								887	571	264	113	108
9								703	375	251	122	174
10								623	273	242	125	264
11								643	380	242	108	278
12								688	288	160	133	278
13								869	196	139	181	288
14								1300	181	136	264	260
15								1810	174	133	269	251
16								2620	108	82	233	283
17								2630	99	20	200	256
18								1630	71	19	170	246
19								979	71	39	170	238
20								768	62	54	153	274
21								711	45	35	142	293
22								571	32	19	142	288
23								683	14	41	163	293
24								1470	17	95	167	288
25								1830	14	97	229	293
26								1400	17	88	147	388
27							498	1100	19	97	139	269
28							719	1040	19	110	185	256
29							873	776	19	120	233	229
30							905	607	17	144	160	212
31								896		185	217	

MEAN							750	1100	341	100	172	249
ACRE-FOOT							5950	67600	20300	6150	10600	14800

PERIOD

MEAN
ACRE-FOOT 125,000

Daily discharge, in second-feet, of Teton River near Teton, Idaho

for the year ending September 30, 1931

Plate 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	335	293					170	244	183	226	285	174
2	335	293						223	196	223	264	174
3	335	289						219	193	223	252	174
4	335	289						230	193	230	237	172
5	335	289						212	230	234	230	172
6	335	282						196	281	234	249	172
7	335	278						186	241	234	244	166
8	438	282						174	223	234	230	163
9	508	278						169	226	237	212	158
10	467							169	219	230	212	158
11	450						206	163	223	226	212	163
12	427							163	223	234	209	163
13	378		203					160	219	230	234	163
14	364							155	219	230	285	160
15	359							223	219	226	281	172
16	345							216	219	226	244	190
17	331							212	219	223	230	180
18	331							209	230	226	230	177
19	331							209	234	226	212	174
20	322	230						206	237	226	206	196
21	322						206	163	237	223	206	212
22	314						206	174	241	226	202	212
23	310						206	158	237	230	199	209
24	310					133	206	147	234	230	190	212
25	310						202	150	234	241	183	212
26	349						209	152	237	230	174	209
27	349						209	158	244	241	180	199
28	318						206	196	244	234	177	193
29	301						209	260	241	234	174	183
30	297						237	212	230	248	180	183
31	293							190		299	180	

MEAN	351	247	Est. 200	Est. 170	Est. 140	Est. 130	194	179	227	233	219	182
ACRE-FOOT	21600	14700	12300	10500	7780	7990	11500	11000	13500	14300	13500	10800

discharge, in second-feet, of **Teton River near St. Anthony, Idaho**

for the year ending September 30, 19 **31**

Plate 56

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								611	754	504	499	371
2								591	930	480	490	367
3								641	948	480	461	367
4								765	883	475	443	362
5								871	831	471	434	362
6								860	877	466	429	362
7								973	877	457	442	362
8								942	854	457	434	362
9								776	792	452	420	358
10								651	770	452	411	346
11								591	760	443	406	337
12								611	733	434	406	337
13								765	686	429	429	337
14								1020	676	425	480	333
15								1120	686	420	504	337
16								1200	723	416	475	358
17								1140	671	416	443	358
18								948	621	411	438	341
19								760	616	406	434	341
20								646	601	416	429	352
21								621	601	420	416	384
22								576	586	420	406	388
23								571	581	425	406	388
24								636	581	416	398	382
25								717	556	420	393	393
26								744	551	425	375	388
27							416	712	556	420	371	380
28							420	765	542	425	371	371
29							443	831	527	425	371	363
30							561	712	523	443	371	380
31								686		490	375	

Mean							460	776	696	440	425	363
Acres							13850	47700	41400	27100	26100	21600

PERIOD

MEAN

ACRE-Feet 168,000