State of Idaho

H. C. BALDRIDGE, GOVERNOR

DEPARTMENT OF RECLAMATION

GEORGE N. CARTER, COMMISSIONER

BOISE

May 5, 1927

HONORABLE H. C. BALDRIDGE
Governor of Idaho
Boise, Idaho

SIR:

The eighth annual report of G. CLYDE BALDWIN, Special Deputy Commissioner of Reclamation and Watermaster of Water District No. 36, Snake River, is herein transmitted.

It is doubtful if there is any other single item of interest of so great importance to as many people involved as a unit in Idaho as the equitable apportionment of the waters of the Snake River, and I assure you that the responsibility of carrying through an irrigation season, the faithful administration of the decrees of courts and laws of the State, as they relate to the distribution of irrigation water in this district, is no light task.

The diversity of the problems which are constantly presented in this work requires most careful consideration and correct solutions are necessarily based on the soundest of judgment.

During the year 1926 the first use of American Falls Reservoir was had and 1927 will witness a full use of this latest addition to the irrigation resources of Idaho. With its use will come changes in the characteristics of the flow of Snake River; thus, information gathered heretofore, and so completely assembled and analyzed in the Watermaster's office, will be of incalculable value in future distribution of water from this river.

A great amount of credit is due Mr. Baldwin and his organization for the orderly manner in which Snake River water has been parceled out to its rightful owners and users during the period of his administration, and I take this means of expressing, on behalf of the Department of Reclamation, a grateful acknowledgment of the value of Mr. Baldwin's service.

Yours very respectfully

GEO. N. CARTER
Commissioner of Reclamation

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
GEORGE N. CARTER, COMMISSIONER
G. CLYDE BALDWIN, DEPUTY

WATER DISTRICT NO. 36

C. BALDRIDGE, GOVERNOR

IDAHO FALLS, IDAHO

April 30, 1927.

Mr. George N. Carter,
Commissioner of Reclamation,
Boise, Idaho.

Dear Sir:

It is with considerable pleasure that I submit herewith the technical report covering all regular water distribution and hydrometric operations in Water District No. 36 for the irrigation season of 1926.

The year marked the first use of the American Falls Reservoir for the storage of water for irrigation purposes and although the amount actually impounded was relatively small in proportion to the final capacity, it was of material benefit in supplementing the sub-normal supply. Furthermore, this reservoir afforded an excellent equalizing basin and, used for this purpose, helped both to prevent any waste of water and also to maintain the power head at the Minidoka Dam. Its use, however, introduced new problems in connection with the equitable segregation of stored water from normal flow and necessitated the revision of methods heretofore used. The practice of the past season is quite fully described herein but it appears probable that further modification of the plan of operation may be required as this new development becomes more fully utilized.

The normal stream flow was somewhat better sustained and more storage was available for use in 1926 than in the other recent "low water" years of 1919 and 1924. Through the exchange of normal flow for storage and by temporary transfers, as these were finally agreed upon, it was also possible after June 18th for many canals to adopt a sort of rotation system of delivery which helped to conserve their valid rights and increased the water duty. Because of these facts and advanced climatic conditions crop losses were generally not very serious.

U. S. Geological Survey methods have been used throughout as a standard for the collection and compilation of the hydrometric data which are presented in this report. In this, in the recomputation of records since the close of the irrigation season and in other respects the report is consistent with those which have been issued for the seven preceding years.

The so-called Normal Flow Fund was continued as a means of financing that portion of the work eventually paid for under the annual Water Master Bill. This fund was maintained during the past year through the advance of money by the Water Users Protector Association of the North Fork of Snake River and Tributaries, the Upper Snake River Water Users Protective Union, the Twin Falls Canal Company and the North Side Canal Company, Ltd.

Special acknowledgments are due to the North Fork Reservoir Company, the Snake River Valley Irrigation District and the Aberdeen-Springfield Canal Company for gage readings and to the Upper Snake River Water Users Protective Union, D. G. Martin, Thomas R. Newell, the U. S. Indian Irrigation Service, the U. S. Bureau of Reclamation, the Twin Falls Canal Company and the North Side Canal Company, Ltd. for gage readings, results of current meter measurements and other data which were furnished without charge.

Appreciation should also be expressed to you and to your predecessor in office, W. G. Swendsen, as well as to the members of the Water Users Committee of Nine of District No. 36 for kindly cooperation and for advice and assistance which was freely given whenever required.

The conscientious service of the hydrographers, deputy water masters and other members of the regular organization must again be recognized and full credit be given for their part in the success of the year's operations.

For valued assistance in the preparation of this report acknowledgment is accorded to C. A. McClelland, Mans H. Coffin and Miss Helen George.

Respectfully yours,

J. Clyde Baldwin

Deputy.

WATER DISTRIBUTION AND HYDROMETRIC WORK

In District No. 36

1926

by G. Clydo Baldwin

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INTRODUCTION

At the annual meeting and election held in Idaho Falls, Idaho on March 1, 1926, G. Clyde Baldwin was again reelected to the position of Water Master of District No. 36 and F. A. Miller, Eph Peterson, John W. Hart, W. O. Cotton, John E. Kelley, L. C. Walker, E. B. Darlington, C. J. Miller and R. E. Shepherd were selected as members of the Committee of Nine.

After considerable discussion the following majority report of the resolutions committee was finally adopted as the program or plan to govern operations during the 1926 season, with only the Minidoka Project and the Twin Falls Canal Company recorded as voting in the negative:

"Your committee have to recommend that for the year 1926, water administration of Snake River, Water District No. 36, be had as follows:

I.

That from Jackson Lake (Moran) to Heise storage water shall be charged a transmission loss of 2½%, and in an attempt to establish conditions at Heise as nearly as practicable to pre-reservoir times, that storage water shall be charged a reasonable amount to cover lag and other causes of loss in return flow. Said amount to be repaid and returned to storage water interests before the close of the irrigation season, or before the storage water interests shall have exhausted their rights. It is understood that when a decreed right shall have been cut under river regulations that right shall not be reinstated until such time as its proportion of this amount shall have been repaid.

II.

That from Heise to Lorenzo bridge a minimum 3% channel transmission loss be charged storage water, and when it shall be shown by a "two day mean method" that there is an additional loss in excess of said 3% the natural or direct flow users must be credited with the additional amount. It being understood that a measuring station will be maintained at or near Lorenzo.

III.

That from Lorenzo to Woodville a loss of 0.5% be charged storage water for evaporation.

IV.

That from Woodville to Blackfoot a loss of 6% be charged to storage water.

V.

That the practice of temporary exchange, or temporary transfer shall be permitted; provided, however, that no exchanges or temporary transfers between water users shall be permitted or practiced until decreed rights shall have been invalidated or cut off, to a priority dating as of July 1, 1900, or rights superior thereto, and shall not continue after any right with a priority date as of July 1, 1900, may be reinstated. The date July 1, 1900 is fixed for the purpose of protecting direct flow users in what is called the lower valley from any possible harm through such practices.

VI.

That the salary of the Watermaster for the year 1926, be fixed in the same amount paid him for the year 1925, and that said Watermaster shall select such assistants and in the same manner as practiced during 1925, and that the total expenditure for river administration be kept within the total expended for like services and administration as that of 1924. That the Watermaster's bond be fixed at $500.00 and his bond as Treasurer of the Normal Flow fund be fixed at $4500.00.

VII.

In the matter of further investigation on Snake River and its tributaries your committee feels that this matter should be left to the water users at this meeting.

VIII.

These recommendations are offered for adoption with the understanding that the regulations therein provided for are temporary only for the irrigation of 1926 and for the purpose of harmonizing the interests of the various water users in District No. 36 for the said irrigation season of 1925 and are not offered in the light of admission that the plan therein proposed establishes any fixed or accurate facts touching the matters therein dealt with for the future irrigation seasons and are only binding for said irrigation

season of 1926. Nor shall the adoption of these recommendations be considered as an estoppel for future years."

The opposition to this plan was directed chiefly against paragraph V although the Twin Falls Canal Company also sought to have a section added which would provide for a storage transmission loss charge of 5% between the Blackfoot Bridge and Heeley gaging stations.

At this annual meeting the Committee of Nine was authorized to approve or incur whatever expenditures were in their judgment necessary for the proper administration of the affairs of Water District No. 36.

A resolution endorsing and recommending favorable action by Congress on legislation which would permit the creation of the so-called Bechler or Fall River Meadows Reservoir, in what is now the south-west corner of Yellowstone National Park, was also unanimously adopted.

On March 29, 1926 the Committee of Nine met at Idaho Falls, considered the annual Water Master budget and approved same in the amount of $15817.50 as the estimated cost of all regular work properly chargeable against normal flow water users.

The following statement was unanimously approved for immediate transmission to the different canal companies and for release to the press of the district:

"To the Water Users of District No. 36.

The following general outline of the 1926 irrigation water supply prospects as same appear at the present time is furnished

for the information and use of water users of the District or others directly concerned:

Reports from Joseph Markham, Supt. Jackson Lake Dam, under date of March 17, 1926 show an average depth of snow above the outlet of Jackson Lake Reservoir of 53 inches with a mean water content of 18 inches. This is slightly more than was recorded for the same date of 1924 but is less than for any other year since the monthly snow surveys were first inaugurated in 1920. Earlier reports indicated a still more unfavorable situation over the upper Snake drainage area below Jackson Lake. For the Henrys Fork territory west of the Teton Mountains reports are less reliable but show a similar condition, although relative snow-fall appears to be slightly greater.

On March 20th, 540,090 acre-feet were stored in Jackson Lake Reservoir as against 180,380 acre-feet on the same date during the preceding year and 281,100 acre-feet in 1924. 360,440 acre-feet of the total now available represents the hold-over from 1925. Nearly 50,000 acre-feet are also understood to be now available at Henrys Lake Reservoir of which the major portion represents 1925 carry-over.

Mild weather was generally experienced during most of March, as a consequence of which the snow is well packed. Light winds during the winter resulted in very little drifting. In view of these conditions an early run-off may be expected unless cool weather continues.

From the above it seems possible that Jackson Lake Reservoir may fill to capacity although this will depend upon the time when storage draft begins.

Latest information is to the effect that work at American Falls Dam will not be advanced sufficiently to permit beginning the storage of water there before about April 15. How much can be impounded after that time will of course depend upon the extent of the supply available thereafter which is not required for immediate direct diversion use. Flood water waste up to a maximum of about 300,000 acre-feet can doubtless be eliminated by storage at this point.

Normal Flow users may reasonably expect to have little if any more water than in 1924 and should precipitation from now on be deficient or should the present snow reserve be materially depreciated by an early flood run-off, later irrigation water supply may be considerably less than in that year. Hence those depending chiefly upon normal flow rights are advised to prepare to use water during the early part of the season and to consider these prospects carefully in determining the best crops to plant for the season.

All users are urged to conserve water in every way possible to the end that waste may be eliminated and the highest possible duty obtained."

Action taken upon other matters is outlined in the following quotation from the minutes of this meeting:

"Moved by J. B. Stocking and seconded by John E. Kelley that the committee recommend the appointment of G. Clyde Baldwin as Deputy State Commissioner of Reclamation. Carried.

Moved by L. C. Walker and seconded by John E. Kelley that Water Master Baldwin be authorized to request advances to the Normal Flow Fund of Water District No. 36 in the manner heretofore followed and up to the limit of normal flow expense set forth in the budget, upon the understanding that these advances will be called for from Water Users' associations or canal companies approximately as the funds may be required to cover current bills and that interest at the rate of 6 per cent per annum will be allowed for the use of this money. Carried."

On March 10, 1926, the directors of the Twin Falls Canal Company, the Minidoka Irrigation District and the Burley Irrigation District jointly adopted a formal resolution protesting against the authorization of the exchange of normal flow for storage and the temporary transfer of water as provided for in paragraph V of the plan of operations which was adopted by majority vote at the annual meeting held in Idaho Falls on March 1, 1926. (See page 2). A copy of this protest was forwarded to W. G. Swendsen, Commissioner of Reclamation, Boise, Idaho and the latter in a letter to the Water Master under date of March 17, 1926, thereupon rendered the following opinion:

"It is your duty as watermaster to distribute the water in District 36, comprising Snake River and certain tributaries, pursuant to laws governing such distribution and the existing decrees of courts defining the rights to the use of water therein.

As I interpret the statutes and under legal advice I have obtained, no administrative officer has a right to or is justified

in departing from court decrees affecting water rights and distribution except by common consent of all users or owners of rights in and to the supply in question.

I have carefully examined the court decrees relating to rights in District 36 and find nothing therein which I am able to construe as giving you authority to carry out the provisions of Paragraph V of the resolution quoted in the foregoing. To carry out the said resolution would therefore be a departure from the provisions of the court decrees. Since a protest has been filed against the practice of temporary exchange covered by Paragraph V of the said resolutions, and common or unanimous consent to its adoption was not had, any administrative officer putting the resolution into effect under these conditions would in all probability be guilty of contempt of court and liable for damages under his bond."

Under this opinion, efforts to put into effect any modified rotation system of water delivery as between different canals were apparently blocked so long as this protest remained valid. Therefor when it later appeared certain, not only that a considerable shortage in the normal flow water supply would exist, but also that Jackson Lake Reservoir would not be filled and the amount of storage impounded at American Falls would be too small to afford material relief, the Committee of Nine went to Twin Falls, Idaho and on May 21, 1926, met there with the directors of the protestant irri_ation interests in an attempt to agree upon some emergency plan which would help to eliminate threatened loss of crops by promoting a higher duty in the use of water throughout District No. 36.

Much difference of opinion was apparent and when no mutually satisfactory solution had been developed after an all day session, the meeting was continued at Rupert, Idaho on the next day. Here, after another long series of conferences and discussions which were participated

in by a number of attorneys as well as by committee members, canal directors and others, a compromise agreement was finally reached, drafted and signed. This waived the former protests and authorized both the exchange of normal flow for storage and the temporary transfer of water, after decreed rights were cut back to a priority of April 15, 1898, upon a net loss basis of 17½ per cent (except in the Henry's Fork area where temporary transfers were permitted without deduction). The 17½ per cent penalty was prorated on the basis of 12½ to normal flow rights at Neeley and 5 to the Minidoka Project.

Water distribution and hydrometric work were administered in 1926 under the same general cooperative plan which has been described in detail in preceding reports.* Funds for securing hydrometric data of a wide-spread interest character were provided by the State of Idaho and the U. S. Geological Survey while operations conducted primarily in connection with water distribution were sustained at the expense of normal flow and stored water users of the district.

Beginning in 1923 the offices of Water Master and Special Deputy were consolidated, but aside from this the organization and division of work has changed but little since the central office at Idaho Falls was first established on a permanent basis in May 1919.

*Water Distribution and Hydrometric Work in District No. 36, 1919; 1920; 1921; 1922; 1923; 1924 and 1925 by G. Clyde Baldwin.

Actual water deliveries, storage transmission via natural stream channels and other phases of river operation have been conducted each year in accordance with certain regulations and schedules usually adopted by the water users at the annual March election meeting. These regulations cover points on which the statutes and decrees are not sufficiently definite or concerning which available data are too incomplete to afford satisfactory basis for a single fixed method of procedure. Occasionally also, when unanimous consent has been secured, certain departures from statutory methods prescribed for water distribution have been authorized. The former reports of the Deputy State Commissioner of Reclamation, already referred to, should be consulted for further details or information concerning the changes in these regulations which were in force during former years.

In addition to the usual early season activities of re-establishing stations which had been temporarily discontinued for the winter and securing meter measurements for the fixation of current ratings, gages were established and records of flow initiated on all spring and tributary stream diversions in the vicinity of Springfield and Sterling, Idaho. This new work was made necessary by reason of a formal demand on the part of the Twin Falls Canal Company for the regulation of all canals and ditches in this area.

Regular river riders and deputy water masters were required to begin their work for the season on May 19.

Because of the unusually low stream discharges noted and in order to obtain a more complete record of upper Valley diversions than would otherwise have been practicable, four of these men had already been on duty as gage readers for a period of about two weeks prior to this date. As in 1925, however, this pre-season employment was at the expense of lower valley canal companies.

PERSONNEL

The personnel engaged in the work of distribution during the season of 1926 was as follows:

G. Clyde Baldwin	Deputy State Commissioner of Reclamation, Special Deputy in charge of Jackson Lake, Twin Lakes, Market Lake and American Falls Stored Water Delivery and Water Master of District No. 36.
C. A. McClelland	Hydrographer, Deputy Water Master and Special Deputy in charge of Henry's Lake Stored Water Delivery
L. L. Bryan	Hydrographer
Hans H. Coffin	Hydrographer
Leo K. Homer	Hydrographer
Alfreda Haggerty	Clerk and office assistant, Idaho Falls office
Mrs. Wilma Adams	" " " " St. Anthony office
Bruno Albert	Deputy Water Master, Upper Fall River division
T. W. Luetjen	" " " St. Anthony division
John H. Reed	" " " and Hydrographer Teton River division
Wm. Burton	" " " Swan Valley Canals
W. J. Kremer	" " " Heise division
Wm. Sauer	" " " Rigby division
Chas. McCurdy	" " " Idaho Falls division (May 19-July 24)
S. W. Dennis, Jr.	" " " " " " (July 25-Sept.30)
Delbert Taylor	" " " Blackfoot division
C. T. Judah	" " " and Hydrographer Springfield-Sterling Section
Fred J. Anderson	" " " Minidoka Dam
W. N. McConnel	" " " and 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.

1926 DISTRIBUTION WATER DISTRICT NO 36.

PLATE NO. I.

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	HENRYS LAKE RESERVOIR NR. LAKE IDA.
19	HENRYS FORK NR. LAKE IDA.
20	HENRYS FORK NR ASHTON IDA.
21	HENRYS FORK AT ST. ANTHONY IDA.
22	HENRYS 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 POCATELLO 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.

Mrs. J. L. Carter, Harold Ruqua, Mrs. Irvin Siepert, W. H. Kremer, Eva Davis, J. A. Clough, A. J. Ayers and G. S. Gilham, Gage Readers.

T. R. Smith and Eugene Anderson of the U. S. Bureau of Reclamation, W. G. Steward and H. G. Haight of the Twin Falls Canal Company also did a large amount of hydrometric work between the Blackfoot Bridge and Neeley gaging stations which was made available for use in connection with the preparation of this report.

DESCRIPTIVE OUTLINE OF 1926 DISTRIBUTION

Throughout the upper Snake Valley temperatures were generally considerably above, while precipitation was somewhat below normal during each of the months of March, April, May and June. This situation resulted in an unusually early, although rather dry spring. May demands for irrigation water were consequently heavier than usual while at the same time stream flow was far below normal. Everyone was anxious to have the maximum possible amount of storage impounded to afford protection for the latter part of the summer and for this reason, presumably, the demand for beginning the regulation of diversions was postponed until Snake River became practically dry at Blackfoot Bridge when it came almost simultaneously from several sections of the district.

Consequently, the impounding of stored water ceased and all canals were ordered cut to record rights on May 20, 1926 while the first storage was released from Jackson Lake Reservoir on the following day.

Diversions under permit and license rights together with those under some of the youngest decreed rights were first ordered stopped on June 1. Prior to this date and before regulation was

initiated, many rights were automatically curtailed, either because of deficient normal flow in certain sections of the river to fill them, or because of inability of the respective canals to divert full heads of water at the low river stages which then prevailed.

Thereafter, decreed rights were regulated in accordance with the following schedule:

June	6	Cut off rights having a priority date subsequent to	Mar.	26,	1903
"	12	Reinstated rights having a priority date earlier than	June	11,	1903
"	14	Cut off rights having a priority date subsequent to	Mar.	26,	1903
"	17	" " " " " " " "	Oct.	11,	1900
"	19	" " " " " " " "	Apr.	14,	1898
"	21	" " " " " " " "	July	1,	1895
"	22	" " " " " " " "	Mar.	25,	1895
"	23	" " " " " " " "	Feb.	6,	1895
"	24	" " " " " " " "	Aug.	18,	1894
"	25	" " " " " " " "	June	1,	1892
"	26	" " " " " " " "	Dec.	14,	1891
July	1	Reinstated rights having a priority date earlier than	May	2,	1892
"	10	" " " " " " " "	May	1,	1893
"	11	" " " " " " " "	Aug.	18,	1894
"	14	Cut off rights having a priority date subsequent to	May	1,	1892
"	15	" " " " " " " "	Dec.	14,	1891
"	16	" " " " " " " "	Jan.	24,	1891
"	17	" " " " " " " "	Oct.	16,	1890
"	18	" " " " " " " "	June	10,	1890
"	19	" " " " " " " "	Mar.	1,	1890
"	20	" " " " " " " "	July	10,	1889
Aug.	5	Reinstated rights having a priority date earlier than	Oct.	17,	1890
"	6	" " " " " " " "	Jan.	24,	1891
"	7	Cut off rights having a priority date subsequent to	June	2,	1890
"	8	" " " " " " " "	Mar.	2,	1890
"	12	Reinstated rights having a priority date earlier than	Oct.	16,	1890
"	24	" " " " " " " "	Dec.	14,	1891
"	26	Cut off rights having a priority date subsequent to	Jan.	24,	1891
"	27	" " " " " " " "	Oct.	16,	1890
"	28	" " " " " " " "	Mar.	1,	1890
"	31	" " " " " " " "	July	10,	1889
Sept.	3	" " " " " " " "	May	11,	1889
"	8	Reinstated rights having a priority date earlier than	April	30,	1890
"	9	" " " " " " " "	July	12,	1890
"	20	Cut off rights having a priority date subsequent to	July	10,	1889
"	25	Reinstated rights having a priority date earlier than	June	10,	1890

Demand for water decreased materially after the latter date and following a very general storm on September 29-30 regulation for the season (except a small amount of supervision of distribution to lower valley canals) was ended.

As in 1925 and also to some extent in former years, upper valley canals were regulated slightly later than canals below American Falls in an effort to take into account and make allowance for the socalled storage transmission lag as provided for in paragraph I of the 1926 program of operations (see page 1).

Sales of storage by upper to lower valley canals at irregular intervals during August and September delayed the damming of Snake River below Blackfoot which usually occurs in the latter part of seasons of very deficient water supply and made equitable distribution somewhat more difficult because of the resulting fluctuations in river stage. In fact, on several occasions canals between Idaho Falls and Blackfoot were allowed to divert water under other than strict adherence to the regulation schedule previously outlined, because, had they not been allowed to do so, rights with still younger priorities located farther downstream would have received the surplus which perhaps really should have been given to canals in the Heise-Rigby section had it been practicable to anticipate the changes in flow with sufficient accuracy.

By the end of September Jackson Lake Reservoir was nearly empty and the release of storage was terminated. The entire normal flow of the river was allowed to pass the dam, however, until October 6 when the gates were ordered closed to begin impounding water for the 1927 irrigation season.

DEPARTMENT OF THE INTERIOR UNITED STATES GEOLOGICAL SURVEY (WATER RESOURCES BRANCH)

HYDROGRAPH FOR JACKSON LAKE BEGINNING OCTOBER

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

STORAGE IN ACRE-FEET

600,000
500,000
400,000
300,000
200,000
100,000

1925-26
1922-23
1921-22
1918-19
1920-21
1923-24
1924-25
1926-27
1919-20

Plotted by Checked by Date

UNITED STATES GEOLOGICAL SURVEY (WATER RESOURCES BRANCH)

HYDROGRAPH FOR JACKSON LAKE, BEGINNING OCTOBER 1, 1918. PLATE II

File No. | Washington Field

December | January | February | March | April | May | June | July | August | September

1925-26
1922-23
1921-22
1923-24
1924-25
1926-27
1919-20
1920-21
1922-23
1921-22
1918-19
1923-24
1924-25
1925-26
1919-20
1918-19
1926-27
1927-28
1928-29
1921-22
1923-24
1919-20
1920-21
1924-25
1925-26
1927-28
1926-27
1928-29

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

STORAGE IN ACRE-FEET

Plate II shows graphically the manner in which Jackson Lake was filled and drawn down during the period from October 1, 1918 to March 31, 1927. All graphs are plotted on the basis of 1919 capacity tables. (See 1925 report for similar graphs covering the period from November 15, 1914 to September 30, 1918).

WATER SUPPLY

If the comparison of annual run-off at the Moran and Neeley gaging stations which has been included in the six preceding reports, is extended to include the year ending September 30, 1926 the data may be summarized as follows:

Station	Mean annual run-off for 23 years ending September 30, 1926	Run-off for year ending September 30, 1926	% of Mean
Moran	1,093,000	761,000	69.6
Neeley	6,525,000	4,789,000	73.4

In this tabulation all Moran records beginning with the year 1910 have been corrected to take account of the storage in Jackson Lake which is held over from one climatic year to another. Neeley records, on the other hand, represent actual totals measured at the gaging station except in the year ending September 30, 1926 when a single correction was made to take into account the storage then remaining in the American Falls Reservoir. Variations in the amount diverted for irrigation, as well as in the quantity of inflow entering between the two stations, also affect the Neeley comparisons. If dependable corrections could be computed to cover all these different factors, their application to the Neeley data would undoubtedly make

the records at the latter station more consistent with those at Moran. This has not been attempted because the development of such corrections from the data available would be difficult, if not almost impossible, and for the further reason that total annual run-off is often not a true measure of the summer water supply.

Additional information concerning the latter together with comparisons showing the relative normal flow supply and use by months will be found further on in the text of this report and in the tables on Plate XIX.

STORAGE VERSUS FLOOD WATER DIVERSIONS

No appreciable conflict between the use of water for storage under permit rights and its use by direct flow diversion under prescriptive or non record rights existed during the season. Something of this character might have developed had regulation been demanded at an earlier date but even then it would have been of short duration.

DOMESTIC WATER

The practice first inaugurated in 1920 of making no allowance of water for domestic or culinary use to canals whose entire rights had become invalidated, was again continued.

In the early part of the summer very little stored water was offered for sale and purchasers of small quantities at that time were compelled to pay about $2.00 per acre-foot for 1926 use. Later, when the requirements of the respective canals were more definitely established, comparatively large quantities were disposed of at $0.75 per acre-foot.

TEMPORARY TRANSFERS

In accordance with the agreement signed at Rupert on May 22 the temporary transfer of water was permissible beginning June 19 when regulation reached the stage where decreed rights with a priority date subsequent to April 14, 1898 were cut off.

During the balance of the season the total amount released for transfer to other canals amounted to about 70,000 acre-feet of which 30,469 acre-feet in the central area was subject to the 17½ per cent deduction while the remainder, representing transfers in the Henry's Fork area, covers transactions not penalized.

Under date of June 26, 1926 a written protest against the continuation of the practice of allowing temporary transfer of water was forwarded to both the Commissioner of Reclamation and the Water Master of District No. 36 by officials of the Fall River Irrigation Company and the Twin Groves Canal and Irrigation Company.

In the Water Master's reply, dated June 28, attention was called to the fact that at the annual election meeting of March 1, 1926 these companies had at least tacitly agreed (through failure to register any objection) to paragraph V of the plan of operations which authorized these temporary transfers under fewer restrictions than were finally provided in the Rupert agreement. In view of these circumstances the opinion was given that the later protest could hardly be considered in connection with the 1926 water distribution. This position was also approved by the Commissioner of Reclamation.

EXCHANGE OF NORMAL FLOW FOR STORAGE

The general conditions under which it was possible during 1926 to release normal flow in exchange for stored water to be delivered at a later date have already been described. (See pages 5-7).

With the exceptions noted herein these exchanges were carried out under the same regulations provided in 1924 and described on pages 16-17 of the report on "Water Distribution and Hydrometric Work in District No. 36" for that year.

During the season a total of 156,202 acre-feet was released by upper valley canals for exchange in this manner, all of which was subject to the 17½ per cent penalty charge.

During the latter part of the summer several of the canals which succeeded in accumulating the largest storage credits through the medium of these exchanges found that, because the normal flow of the river had been better sustained than had been expected, they would not require all this water for their own use. Therefore, they proceeded to sell part or all of their storage accumulation to other canals - chiefly in the lower valley - whose need was greater than their own. Most of these sales were made at the rate of $0.75 per acre-foot measured at the Woodville gaging station.

Normal flow was substituted for storage under authority of Section 5560 of the Idaho Compiled Statutes in two instances as follows:

1. The water being diverted from Snake River by the Reservation Canal of the U. S. Indian Service was turned back to the stream in lieu of stored water from Blackfoot-Marsh Reservoir for delivery to the

North Side Canal Company, Ltd. during the period May 26-June 15. This was done in order to expedite the storage delivery and avoid delays which must otherwise result from the limited carrying capacity of lower Blackfoot River - the normal outlet for water from the Blackfoot Reservoir. The usual 6 per cent loss was charged for transmission of this water from the Reservation heading to Blackfoot Bridge.

2. Stored water sold by the Farmers Friend Irrigation Company to the Enterprise Irrigation District whose canal diverts from Fall River was turned down Snake River to replace normal flow diverted from the latter stream. This is the only method by which Jackson Lake storage can now be delivered to canals in the Henry's Fork area.

LITIGATION

On June 3, 1926, a temporary injunction was issued by Ralph W. Adair, Judge of the Sixth Judicial District restraining G. Clyde Baldwin, Water Master and C. T. Judah, Deputy Water Master, from regulating or in any way interfering with the diversion and use of water from Alkali Spring and Colborn Creeks in the vicinity of Sterling, Idaho by R. A. Ward, L. D. Bronson, John W. Herbert, Mark Colborn, Mrs. L. A. Nugent and John W. Wright, all of whom were plaintiffs in an action brought against these two officials.

The principal question at issue is whether or not State and Water District authorities have the right to prevent diversion of water from the above named streams under permit and license rights at times when the normal flow of Snake River is insufficient

to fill decreed rights with an older priority date located below American Falls, Idaho. It is generally understood that most if not all of the water in these small streams has appeared since the American Falls or Aberdeen-Springfield Canal has been in operation.

On September 16, 1926 a complaint in intervention in this case was filed by the Twin Falls Canal Company but up to date no regular hearing has been scheduled.

On December 15, 1926 a decision was handed down by the Supreme Court of the State of Idaho in the case of the Independent Irrigation Company, Ltd., et. al., versus G. Clyde Baldwin, Water Master of District No. 36, et. al., in which the judgment of the lower court in granting a nonsuit was reversed. It, therefore, appears probable that this action will again come before the District Court for trial on its merits. (See 1922, 1923 and 1924 reports on "Water Distribution and Hydrometric Work in District No. 36" for summary of the earlier history of this case).

On February 25, 1927 the first hearing on demurrers in the case of Woodville Canal Company versus Clark and Edwards Canal and Irrigating Company et. al., or the socalled "High Water Decree" case was held before Geo. W. Edgington, Judge of the Ninth Judicial District. At the time this report was prepared negotiations were in progress looking towards a stipulated agreement between the different parties at interest concerning many of the principal issues involved and no final hearing date had as yet been fixed.

No decision has as yet been rendered by the State Supreme Court on the appeal from Judge Edgington's verdict sustaining the validity of the permanent transfer of 40 second-feet of water from the Long Island to the Farmers Friend Irrigation Company. (See 1925 report for further description).

The action brought by the Minidoka and Burley Irrigation Districts during 1924 in the Court of the Eleventh Judicial District against the Water Master of District No. 36 and others on the matter of temporary transfer and exchange of water has not as yet been dismissed although it now seems unlikely that it will ever come up for trial.

CANAL DELIVERIES

The total amount diverted daily through each canal heading either in the South Fork or main river during the period from May 1 to September 30, 1926 is shown on Plates III, IV, V, VI and VII.

Following the practice inaugurated in the 1919 report, except for a few of the smaller canals where estimates were used, all data were recomputed prior to their presentation herein. This practice affords opportunity to more thoroughly analyze the records at each station than is possible in the limited time available during the field season. Wherever changes in rating have been noted, either because of the growth of vegetation, variation of checks or for any other reason, all meter measurements, notes and other information have been carefully reviewed to the end that the final computed data may represent the most reasonable interpretation of these changes, particularly as regards time. On days when more than one stage has

U.S. DISTRIBUTION WATER DISTRICT NO. 36

DAILY DISCHARGE IN SECOND FEET OF CANALS DIVERTING FROM SNAKE RIVER FOR MAY 1926

PLATE NO. III

DAILY DISCHARGE IN SECOND FEET OF CANALS DIVERTING FROM SNAKE RIVER FOR JUNE 1926

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
RILEY	23	24	23	24	24	24	24	24	23	24	23	24	23	24	22	22	19	15	11	11	15	16	15	11	10	10	13	13	16	16	557
ANDERSON	313	313	323	348	348	350	353	350	351	354	340	330	330	330	334	334	330	324	310	290	265	324	340	320	329	330	331	331	331	331	9,911
EAGLE ROCK & WILSON CREEK	496	496	491	494	476	476	486	476	481	466	466	466	466	466	466	476	486	466	466	466	466	476	476	476	472	482	466	466	458	466	14,206
FRANKLIN FRIEND	343	343	341	343	343	346	346	343	343	343	343	343	343	337	343	340	341	342	334	332	340	194	342	340	346	344	343	344	343	345	10,213
ENTERPRISE	189	190	189	189	189	182	190	190	190	189	190	190	187	185	190	187	181	189	77	6	5	6	6	5	54	96	99	100	99	100	4,086
NELSON	1	1	1	0	0	1	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	19
MATTSON & CRAIG	20	20	20	20	20	20	20	20	20	20	19	19	19	20	20	20	19	13	8	3	0	0	0	0	0	0	0	0	17	19	413
SENNEBERGER	6	6	6	6	6	6	6	6	6	6	5	5	5	5	6	6	6	4	3	3	4	4	4	5	6	6	7	7	6	6	154
ROSS & BAND	5	5	6	6	5	5	5	5	5	5	5	5	5	5	5	6	6	4	4	4	5	5	6	6	6	7	7	6	6	6	169
BUTLER ISLAND	40	40	43	40	40	40	30	30	40	30	30	40	40	40	40	40	40	42	34	40	44	40	46	52	54	52	52	52	52	52	1,408
STEELE	0	0	7	7	7	7	7	7	7	7	8	7	7	7	7	7	7	7	4	7	0	0	0	0	0	7	7	7	6	6	215
HARRISON	457	457	460	454	454	460	465	460	460	457	457	457	460	454	460	447	407	454	136	0	6	7	7	290	466	466	465	465	465	467	11,463
CHENEY	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	6	2	0	0	0	0	0	5	5	5	4	4	4	133
BOOMER	248	243	237	234	248	248	236	243	243	263	260	260	260	260	257	236	85	260	87	0	0	0	0	0	34	30	161	161	172	178	5,491
PIPE	188	187	183	186	186	186	186	186	186	184	184	184	184	186	184	183	183	184	63	0	3	3	3	3	130	183	183	186	183	181	4,677
ALICE & NORD	6	6	9	8	8	8	9	6	6	5	5	5	5	5	5	1	1	5	3	0	0	0	0	0	0	0	0	0	4	6	168
BURGESS	801	801	805	805	801	803	803	801	801	801	801	801	805	797	797	805	797	797	272	28	28	26	28	336	690	828	820	816	820	820	22,290
CLARK & EDWARDS	72	70	72	72	72	72	72	71	72	72	71	71	71	70	71	70	70	70	2	72	71	72	71	70	71	71	71	71	72	72	2,137
LOWDER	34	31	31	47	47	43	45	44	44	44	44	43	44	44	44	44	43	42	28	0	0	0	0	35	32	17	0	0	0	0	954
JENNINGS	10	3	10	11	8	7	7	8	8	7	8	8	8	8	8	8	7	8	4	0	0	0	0	4	4	2	0	0	0	0	162
LA BELLE	141	136	142	141	141	136	136	132	144	141	141	140	139	135	140	136	134	141	128	141	141	141	141	141	139	142	139	141	141	140	4,175
CONSOLIDATED FEEDER	158	164	164	164	163	162	164	165	133	133	149	147	146	138	133	137	108	66	46	37	64	58	68	37	34	61	68	63	59	39	3,446
LENROOT	170	216	222	220	222	167	116	120	118	113	119	156	202	160	120	121	181	122	57	0	0	0	0	10	10	10	86	135	134	137	3,426
REID	149	151	147	145	153	149	132	151	150	150	146	142	137	145	133	144	133	153	141	123	147	132	131	112	58	68	64	64	64	65	4,077
TEXAS FEEDER	281	279	281	270	279	280	281	275	270	270	275	275	270	273	282	273	257	266	208	204	91	186	214	289	240	227	216	220	221	146	7,427
NELSON COREY	16	17	14	14	14	16	17	10	16	16	16	17	16	16	16	17	17	16	13	13	17	16	17	13	16	17	17	17	17	17	491
HILL PETTINGER	4	4	4	4	4	3	3	3	3	3	3	0	3	3	3	3	2	0	0	0	1	2	2	2	2	2	2	2	2	2	71
LONG ISLAND	460	470	477	453	448	445	417	417	423	421	423	422	416	412	401	392	387	380	371	319	316	376	364	360	373	377	447	446	443	443	12,361
ISLAND	209	204	202	205	205	209	209	213	223	223	212	212	212	210	214	210	221	221	203	165	121	134	104	241	240	246	244	243	243	243	6,445
RIGBY	161	164	164	163	158	155	156	156	157	157	156	156	156	157	157	156	158	155	160	156	157	156	156	142	155	157	156	156	157	164	4,708
DILTS	32	31	29	30	29	20	23	29	25	25	26	22	22	22	26	24	27	28	12	0	0	0	0	0	13	23	17	23	21	22	617
WEST LABELLE	109	110	110	110	112	110	110	112	111	111	110	107	107	106	107	109	109	100	120	100	106	110	109	104	107	107	107	106	107	108	3,269
PARKS & LEWISVILLE	330	321	341	340	341	343	341	331	340	345	341	340	336	340	340	345	345	345	361	340	346	348	343	324	346	336	336	331	329	362	10,175
NORTH RIGBY	47	49	47	50	51	50	51	49	55	51	50	51	50	52	53	52	50	50	52	49	49	49	49	46	49	49	49	49	49	49	1,500
WHITE	6	5	5	5	6	6	7	8	7	8	9	8	8	8	8	8	8	8	4	0	7	7	7	6	9	7	6	7	6	6	205
CAMPBELL	10	10	9	8	9	9	11	11	11	11	10	10	10	10	10	10	10	10	7	10	10	10	10	3	10	10	10	10	11	11	296
LILLO	6	5	5	5	5	5	6	5	5	5	5	5	5	5	5	5	5	5	4	4	4	3	6	6	7	6	6	6	7	7	154
INDEPENDENT	59	59	60	61	59	59	21	31	21	32	32	33	32	51	54	54	54	54	53	24	30	31	30	51	52	50	53	52	52	53	1,599
BUTTE & MARKET LAKE	313	313	314	313	312	312	330	327	330	348	334	345	345	270	324	344	332	331	183	0	0	0	0	0	0	0	0	0	0	0	6,436
SHEPARD	2	0	0	3	5	4	5	4	4	4	5	5	5	5	5	5	5	5	2	0	0	0	0	0	0	0	0	0	0	0	79
OSGOOD	101	101	103	104	102	104	107	104	104	104	105	104	104	104	105	104	105	102	77	76	90	80	82	76	79	73	79	73	74	73	2,777
KENNEDY & BURGERFF	13	13	13	13	13	18	13	13	13	13	13	12	12	12	12	13	12	12	11	11	11	11	11	10	10	10	11	11	4	0	339
BEAR ISLAND & SMITH	3	0	3	4	3	4	3	4	3	3	3	3	0	3	4	0	0	0	1	0	3	3	1	0	0	0	0	0	0	3	72
IDAHO	744	741	735	737	741	739	741	742	744	739	757	733	741	741	733	737	739	723	246	0	0	0	0	0	76	464	446	465	466	492	13,512
GREAT WESTERN	371	360	359	366	365	365	367	374	371	369	368	363	362	337	356	353	353	376	360	359	120	0	0	0	247	381	390	426	427	426	9,963
PORTER	193	193	188	193	171	200	209	207	209	209	207	205	204	206	204	209	202	203	203	203	60	0	0	0	133	214	209	204	203	204	5,278
IDAHO FALLS CITY MAIN	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	130
WOODVILLE	121	123	121	119	113	111	110	112	108	94	93	92	90	96	94	86	82	82	27	0	0	0	38	49	44	44	44	42	42	43	2,231
SNAKE RIVER VALLEY	708	704	697	693	704	706	710	708	710	704	655	603	593	593	597	597	613	603	198	0	0	0	0	0	461	733	752	765	760	759	16,509
TOTAL DIVERSIONS HERE TO WOODVILLE	8222	8226	8304	8267	8237	8186	8190	8176	8150	8140	8077	8016	8048	7910	7970	7981	7874	7855	5899	3758	3551	3548	3	4403	5700	6866	6794	7078	7115	7079	216,234
RESERVATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	365	396	388	380	388	180	378	605	536	386	536	243	0	0	776	792	7,435
BLACKFOOT	361	343	340	347	387	363	376	367	347	337	339	339	340	325	323	331	290	367	143	0	0	0	0	0	0	0	260	337	337	335	7,777
NEW LAVA SIDE	130	130	145	132	141	136	145	135	132	130	130	147	133	130	143	146	132	133	58	2	2	2	31	10	52	100	100	132	131	144	3,464
TROPICS	423	421	423	427	421	423	423	427	423	423	423	423	423	423	423	423	423	423	143	2	2	2	2	2	2	2	2	2	2	2	10,141
AMERICAN FALLS	1280	1280	1280	1280	1270	1250	1250	1250	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	417	2	2	2	2	2	2	608	608	616	619	578	27,184
CORBETT	162	160	163	163	169	160	162	194	193	199	181	135	17	140	138	178	159	149	130	143	119	120	117	117	117	100	100	104	101	98	4,446
NIELSEN HANSEN	14	11	11	11	13	16	16	15	15	14	11	11	11	13	13	12	12	11	3	0	0	0	0	11	11	0	0	0	13	16	316
MIDPARK	102	102	100	100	99	98	98	96	97	96	93	94	94	93	92	91	90	89	43	0	0	0	0	1	1	56	98	100	98	100	2,355
BINGHAM	179	180	175	180	179	178	180	180	182	179	180	175	169	171	172	170	169	166	128	0	0	0	0	0	0	0	0	0	0	0	1,748
MINIDOKA	69	67	60	61	61	69	70	70	73	68	68	66	65	63	65	64	62	63	28	0	0	0	0	0	0	0	0	0	0	0	1,708
MERRYNICK	41	41	41	41	40	40	41	40	40	40	39	40	40	39	39	38	38	38	39	39	36	38	36	37	38	36	36	36	37	36	2,076
WATSON	35	36	34	37	36	36	37	37	37	37	37	36	35	35	34	34	33	33	34	36	36	36	36	34	37	36	36	36	36	36	845
PERSONS	23	23	23	23	22	22	22	22	22	21	22	21	21	21	21	21	21	21	22	22	21	22	21	21	21	21	21	21	21	21	645
TOTAL DIVERSIONS WOODVILLE TO BLACKFOOT	2301	2285	2274	2293	2276	2240	2290	2301	2293	2290	2284	2233	2203	2034	2205	2140	2044	1980	1344	755	1108	1138	1120	1118	1150	1147	1137	1202	1196	1224	73,773
SOUTH FARMERS	16	16	15	16	16	16	17	18	18	18	18	17	20	20	21	21	21	19	20	21	21	22	22	21	18	16	16	15	14	13	540
TOTAL DIVERSIONS BLACKFOOT TO CLOVER	16	16	15	16	16	16	17	18	18	18	18	17	20	20	21	21	21	19	20	21	21	22	22	21	18	16	16	15	14	13	540
NORTH SIDE MINIDOKA	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	44,700
SOUTH SIDE MINIDOKA	1040	1040	1040	1040	1040	1030	1020	1020	1030	1030	1020	1020	1020	1020	1020	997	902	797	800	3	3	3	3	3	3	3	3	3	3	3	32,617
TOTAL MINIDOKA CANALS	2530	2530	2530	2530	2530	2520	2510	2510	2520	2520	2510	2490	2510	2510	2510	2487	2392	2287	2290	1493	1493	1493	1493	1493	1493	1493	1493	1493	1493	1493	77,317
P.W. CENTRAL	47	48	48	47	48	47	48	48	47	48	48	48	48	48	47	48	47	47	47	48	47	48	47	48	47	48	47	48	47	47	1,464
NORTH SIDE TWIN FALLS	2800	2840	2790	2790	2840	2830	2870	2810	2800	2800	2780	2770	2770	2780	2780	2760	2760	2760	2760	2760	2760	2760	2760	2760	2760	2760	2760	2760	2760	2760	81,000
MILNER LOW LIFT	100	100	90	96	96	96	96	96	96	96	96	96	93	79	76	5	52	50	3	60	30	34	5	15	0	0	0	0	0	0	2,100
SOUTH SIDE TWIN FALLS	3000	3000	2990	3000	3000	2990	3000	2990	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	87,990
TOTAL TWIN FALLS CANALS	5947	5988	5928	5933	5984	5973	6014	5944	5943	5944	5924	5908	5911	5907	5903	5808	5799	5797	5803	5808	5790	5794	5792	5775	5760	5760	5760	5760	5760	5760	171,090

1926 DISTRIBUTION WATER DISTRICT NO 36

DAILY DISCHARGE IN SECOND FEET OF CANALS DIVERTING FROM SNAKE RIVER FOR JULY 1926

PLATE NO V

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
MILNER	0	0	0	0	0	0	0	0	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 & YELLOW CREEK	471	439	514	540	533	539	539	541	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	16709
PERRINE'S FRIEZ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTER PAL	98	96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	194
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
BRITSON & CRANE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANNEBERGER	19	19	18	19	19	18	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FOSS & 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
BUTLER ISLAND	3	3	3	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0
SIKELL	32	30	31	42	32	30	36	40	40	40	40	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CARRON	6	3	2	1	3	3	0	6	6	7	6	6	14	14	14	30	30	30	49	30	11	40	40	40	40	40	40	40	40	40	40	1067
GALANT	463	173	10	6	6	0	0	6	6	7	6	6	7	7	7	7	7	7	7	6	3	4	3	3	3	3	3	3	3	3	3	109
BOSTER	6	6	6	2	3	2	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	180
RUBY	170	170	210	210	210	210	203	208	210	192	174	191	192	188	182	209	236	246	257	267	237	231	237	231	243	243	231	233	236	233	237	6306
RICE & ROPE	100	174	174	171	170	66	9	9	9	9	7	120	107	107	107	100	104	192	100	188	192	103	103	100	106	130	107	103	190	107	100	4869
BURGESS	6	3	3	3	3	3	3	3	3	7	6	6	7	7	6	6	6	6	6	3	0	0	0	0	0	0	0	0	0	0	0	130
CLARK & EDWARDS	824	287	19	13	19	19	340	805	798	803	790	801	803	727	803	803	818	805	230	33	33	341	803	801	801	809	809	803	803	812	803	18116
LOUDER	70	71	72	70	72	72	72	70	72	71	70	71	70	70	70	72	72	70	74	73	71	70	70	70	71	70	71	72	70	72	70	2201
JENNINGS	0	0	0	0	0	0	0	31	41	41	41	42	43	44	44	46	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LA BELLE	140	149	141	48	0	43	78	69	71	119	135	125	138	134	134	141	142	140	133	141	138	118	135	128	124	123	134	138	139	141	134	3707
CONSOLIDATED FEEDER	102	106	114	116	117	74	50	51	47	51	46	42	38	41	44	47	71	71	72	72	72	82	86	84	84	79	78	80	83	77	82	2364
ENPORT	135	129	132	132	132	134	73	37	37	37	42	42	42	42	40	30	30	28	23	85	117	140	144	164	157	143	78	26	25	25	24	2413
NEW	86	110	108	104	93	100	90	100	100	98	99	93	91	119	145	148	147	140	140	131	130	150	150	130	150	150	147	150	152	148	120	3731
NELSON CANAL	90	91	46	36	30	155	206	236	227	234	246	227	201	230	203	206	203	206	204	214	214	205	203	180	203	149	131	136	138	140	108	3492
HILL PETTINGER	10	11	16	17	16	16	15	13	14	14	14	13	12	12	12	16	13	13	13	13	13	13	13	13	13	13	12	12	12	12	12	326
LONG ISLAND	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	62
ISLAND	404	346	362	352	342	339	323	347	343	343	333	323	363	332	343	340	360	330	330	361	369	390	365	352	330	336	331	324	324	324	321	10744
RIGBY	298	220	213	225	219	213	203	219	200	203	190	180	173	171	166	123	80	83	87	90	96	94	91	90	94	91	90	94	95	97	97	4341
BIRCH	156	171	126	146	155	153	154	132	134	133	133	136	126	126	126	156	156	157	156	146	147	146	142	142	162	162	161	161	161	162	162	4096
WEST LABELLE	7	0	0	0	0	23	26	24	23	10	0	0	0	0	0	0	17	30	28	34	30	22	9	0	0	0	25	31	34	34	32	450
FORKS & LEWISVILLE	109	119	106	95	102	101	103	99	102	101	97	109	108	108	108	103	103	94	96	119	100	102	103	102	86	96	87	86	90	91	93	3133
NORTH RIGBY	319	362	330	287	280	280	314	280	287	286	279	223	283	270	314	304	309	330	370	380	345	325	340	355	345	340	340	330	330	322	325	8634
WHITE	43	43	43	46	46	46	46	47	46	47	45	45	31	46	49	49	51	50	66	52	49	49	51	46	47	47	34	37	37	37	42	1263
BRADWELL	6	6	11	7	2	7	7	7	6	7	6	5	5	7	7	7	7	6	6	12	6	6	9	6	6	6	5	6	6	6	6	201
ELLIS	11	11	11	10	9	9	9	9	9	9	8	8	7	6	6	5	4	7	10	9	8	8	5	5	5	5	5	5	6	6	6	204
INDEPENDENT	7	6	6	6	6	6	6	5	5	5	4	4	4	3	3	2	0	0	3	3	3	8	8	3	3	1	6	7	7	6	6	237
32	32	30	30	48	30	44	44	46	42	40	38	37	34	34	33	31	32	33	34	34	36	34	34	34	34	34	34	42	38	38	1206
BUTTE & MARKET LAKE	195	314	332	333	336	308	320	323	318	300	213	133	169	164	164	166	164	132	137	136	162	156	136	132	132	132	137	133	132	135	138	6436
MILNER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GOODE	73	73	42	0	0	53	72	79	80	74	74	74	74	80	92	91	93	93	94	35	36	38	100	33	32	33	32	100	93	97	98	2402
KENDRICK & SUPERIOR	9	9	9	9	9	6	11	11	10	10	10	9	9	9	9	9	8	8	8	7	6	6	5	4	4	4	4	4	4	4	4	201
ALMA ISLAND & SMITH	0	3	0	0	0	0	0	0	0	2	0	2	2	2	2	5	2	0	2	2	2	0	0	0	1	2	3	2	3	3	1	37
IDAHO	495	502	491	500	502	519	509	504	517	508	486	501	568	579	582	623	663	663	661	660	636	665	660	654	643	672	677	686	670	668	670	15026
UNION WESTERN	413	416	416	413	405	404	406	406	402	397	399	318	387	402	403	401	401	404	416	410	410	324	386	381	340	323	322	325	328	332	332	10285
PORTER	207	204	209	207	207	207	140	110	96	104	101	152	181	195	191	202	200	193	193	207	207	204	177	162	171	171	171	171	172	172	172	5167
IDAHO FALLS CITY MAIN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	93
IDAHOVILLE	43	43	38	66	66	66	53	41	42	38	37	30	38	37	40	39	48	45	42	46	31	30	46	47	47	47	46	46	46	47	47	1396
SNAKE RIVER VALLEY	233	0	0	0	0	503	734	732	763	730	601	403	350	343	340	340	338	336	330	337	338	333	336	334	332	332	333	405	407	397	383	12113
TOTAL DIVERSIONS FROM HEAD TO WIDENILL	6467	5301	4997	4800	4738	5575	6235	6340	6377	6246	6335	6169	6613	6604	6763	6758	6760	6670	6532	6247	5946	6263	6430	6280	6320	6432	6397	6348	6406	6402	6334	195234
RESERVATION	502	500	598	212	3	3	3	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BLACKFOOT	371	337	337	339	120	0	0	0	0	239	361	347	361	359	120	0	0	0	232	338	361	361	353	336	120	0	0	0	0	232	337	6006
NEW SOUTH SIDE	130	148	147	150	153	150	132	132	144	132	32	3	1	96	146	147	104	80	79	127	137	136	139	102	85	86	68	87	84	79	80	3585
PEOPLES	414	412	412	412	412	139	2	2	1	1	224	423	427	425	427	427	425	142	1	1	1	1	1	1	1	274	414	414	412	138	1	6885
MICHIGAN FALLS	870	873	870	873	870	291	1	1	1	1	1	1	1	1	1	1	1	1	631	345	342	342	372	384	384	387	384	390	390	1	1	6885
CORBETT	101	103	103	103	100	103	98	98	97	97	98	98	97	97	100	94	35	37	98	99	101	102	100	101	101	100	100	103	113	113	113	3134
NIELSEN BRANEN	13	14	15	16	8	16	14	14	14	14	13	11	11	11	13	9	4	4	4	13	14	16	15	15	6	13	15	16	15	15	15	396
RIVERSIDE	118	117	114	118	119	108	58	100	100	98	97	98	96	96	94	93	101	104	102	102	116	115	117	113	116	116	120	120	110	102	102	3391
WILSON	172	177	179	167	145	172	172	171	171	168	162	156	164	173	177	171	172	129	172	172	174	175	177	175	176	176	176	176	176	176	176	4918
TYEE	69	70	67	85	22	0	0	0	0	0	42	62	62	65	60	62	64	0	0	0	0	0	0	0	23	40	36	32	33	34	34	1000
MURRY RICK	35	36	33	39	34	34	33	22	32	31	43	41	31	43	46	39	40	40	40	40	40	40	40	40	40	40	40	39	41	41	41	1220
WATSON	97	96	96	96	97	99	97	98	98	97	97	100	99	98	101	97	99	99	98	97	97	97	97	97	97	97	97	97	97	97	97	2911
PARSONS	21	20	20	20	20	20	19	21	21	21	20	20	19	20	20	20	22	22	21	21	22	21	21	22	22	22	22	22	21	22	22	645
TOTAL DIVERSIONS FROM HEAD TO BLACKFOOT	3026	3011	3014	2630	2115	1177	689	691	701	941	1237	1336	1390	1408	1311	1197	1200	1110	1032	1209	1206	1264	1230	1175	1409	1029	1043	1119	1101	1061	1095	36023
SOUTH PARKWELL	14	14	15	16	16	16	16	16	16	16	13	10	5	4	2	2	0	2	3	1	0	0	0	0	0	0	0	0	0	0	0	197
TOTAL DIVERSIONS BLACKFOOT TO CLOVER	14	14	15	16	16	16	16	16	16	16	13	10	5	4	2	2	0	2	3	1	0	0	0	0	0	0	0	0	0	0	0	197
NORTH SIDE MINIDOKA	1440	1490	1480	1440	1440	1440	1440	1440	1390	1200	1170	1150	1130	1120	1120	1100	1200	1200	1190	1190	1200	1190	1200	1200	1200	1200	1180	1150	1130	1130	1160	39010
SOUTH SIDE MINIDOKA	1040	1030	1040	1040	1040	1040	1040	1040	1040	1040	1010	991	939	939	945	939	905	798	820	1020	1030	1040	1040	1040	1050	1030	962	962	935	945	956	977	31131
TOTAL MINIDOKA CANALS	2480	2520	2520	2480	2480	2480	2480	2480	2430	2290	2181	2089	2069	2059	2065	2039	2105	1998	2010	2210	2230	2230	2240	2240	2250	2230	2142	2112	2065	2075	2116	2116	70341
HEAD LATERAL	43	48	49	48	45	43	45	45	45	45	45	45	45	45	44	45	43	43	43	44	45	45	44	44	45	47	48	48	48	48	48	1412
NORTH SIDE TWIN FALLS	2640	2620	2640	2640	2590	2590	2590	2590	2590	2590	2540	2510	2180	2160	2060	2060	2060	1980	1930	1930	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	58210
MILNER LOW LIFT	60	60	49	1	115	102	104	104	104	104	104	98	98	97	95	93	93	42	54	59	63	82	86	86	89	85	84	86	83	84	84	2510
SOUTH SIDE TWIN FALLS	3570	3570	3570	3570	3260	3570	3260	3260	3260	3260	3260	3260	3260	3270	3260	3260	3260	3260	3260	3260	3260	3260	3260	3260	3260	3260	3260	3260	3260	3260	3260	97810
TOTAL TWIN FALLS CANALS	6210	6190	6189	6189	5850	6189	5850	5850	5850	5850	5850	5850	5850	5850	5850	5850	5850	5850	5850	5850	5850	5850	5850	5850	5850	5850	5850	5850	5850	5850	5850	176020

PLATE No XI

DAILY DISCHARGE IN SECOND FEET OF CANALS DIVERTING FROM SNAKE RIVER FOR AUGUST 1926

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
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] CREEK	278	268	213	230	240	241	270	230	[illegible]	232	221	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	493	333	333	333	326	324	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	342	232	336	330	[illegible]	282	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	13	27	10	6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] ISLAND	48	50	50	40	52	40	41	44	41	44	46	43	43	42	42	42	40	41	41	41	38	37	33	34	14	33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	0	[illegible]	[illegible]	4	204	15	456	127	72	64	110	256	301	[illegible]	366	[illegible]	350	350	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	3	3	5	2	1	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	46
[illegible]	226	[illegible]	218	209	200	206	207	214	202	209	204	209	204	204	196	190	191	188	[illegible]	[illegible]	[illegible]	160	160	192	203	[illegible]	200	196	170	200	108	6104
[illegible]	192	187	181	134	136	139	139	141	141	141	139	141	[illegible]	140	133	133	120	116	[illegible]	[illegible]	122	127	127	135	133	133	133	123	131	[illegible]	118	4154
[illegible] & NORE	0	0	0	0	0	0	3	4	4	4	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75
BURGESS	809	801	809	508	398	400	394	396	398	398	399	401	390	401	394	540	591	588	602	602	236	550	550	563	576	576	584	415	415	570	424	15909
CLARK & EDWARDS	72	70	71	70	67	66	65	66	65	64	65	64	65	64	63	63	61	60	58	65	62	53	40	44	44	44	44	69	73	70	70	[illegible]
LOWDERS	10	0	0	0	0	0	0	0	32	41	45	45	30	23	21	21	21	21	21	22	20	20	30	34	39	39	41	43	[illegible]	46	46	760
JENNINGS	3	0	0	0	0	0	0	0	6	9	7	6	6	5	5	2	5	3	2	4	4	4	[illegible]	5	6	5	7	6	[illegible]	6	8	176
LA BELLE	143	139	141	127	133	125	120	121	[illegible]	129	125	126	119	122	55	12	12	93	100	106	93	85	77	55	59	61	71	84	50	58	54	2918
CONSOLIDATED FEEDER	82	71	73	33	42	36	44	50	52	52	36	34	30	30	44	42	42	43	46	47	[illegible]	33	31	30	33	33	45	48	50	53	56	1406
[illegible]	24	23	23	95	156	161	160	140	76	27	27	26	27	27	24	27	26	26	33	44	37	87	84	86	92	84	69	78	67	69	76	2121
[illegible]	150	151	150	122	84	74	72	87	102	104	100	87	85	84	91	112	117	131	95	98	41	37	34	44	49	50	84	70	71	60	72	2665
[illegible] FEEDER	180	142	162	85	18	14	12	137	157	160	153	139	137	134	125	111	110	105	111	139	102	91	73	70	64	64	71	155	179	135	142	3336
NELSON COREY	12	11	12	8	2	1	2	0	3	12	11	9	9	5	[illegible]	5	5	5	6	6	0	0	3	3	[illegible]	3	3	12	12	11	12	226
HILL PETTINGILL	2	2	2	1	1	0	2	2	2	2	2	2	2	2	1	1	1	1	1	1	0	0	1	1	1	1	2	2	2	2	2	44
LONG ISLAND	324	330	34	273	111	111	133	133	194	239	266	255	252	244	216	187	176	173	203	246	[illegible]	168	154	144	14	41	216	261	266	266	271	6674
ISLAND	85	84	86	60	37	34	27	57	70	96	88	78	78	87	74	58	69	62	71	77	56	48	43	47	49	51	70	89	92	89	90	2100
RIGBY	161	159	161	139	160	161	162	154	162	161	[illegible]	157	[illegible]	151	154	152	150	145	142	142	144	[illegible]	[illegible]	120	127	125	145	132	144	144	141	4343
BITTS	0	0	0	0	0	0	0	13	24	24	23	23	21	18	17	17	17	15	12	15	11	11	11	5	[illegible]	[illegible]	22	19	24	23	19	391
WEST LABELLE	109	104	106	103	102	100	99	96	96	96	93	94	95	95	92	88	90	84	82	85	72	68	64	52	56	37	73	76	91	85	74	2666
PARKS & LEWISVILLE	307	268	269	270	266	263	260	244	250	268	245	225	221	234	239	237	237	237	234	241	212	200	206	136	148	141	214	236	238	242	236	7233
NORTH RIGBY	60	57	57	57	53	51	49	49	49	51	56	42	44	44	46	46	[illegible]	42	41	46	26	33	7	1	0	0	44	57	54	51	46	1258
WHITE	5	5	5	5	5	4	4	4	6		7	7	[illegible]	[illegible]	6	[illegible]	5	5	2	2	0	0	0	0	0	0	0	0	[illegible]	2	2	101
BRAMWELL	0	0	5	7	7	7	7	6	8	8	6	7	7	7	6	6	4	4	7	2	0	0	0	0	0	0	0	5	10	11	11	162
ELLIS	3	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3	2	2	1	1	0	0	0	0	0	0	0	0	1	1	1	57
INDEPENDENT	46	46	46	48	42	38	36	34	36	36	38	39	38	40	40	38	38	36	38	38	38	38	39	38	36	36	36	38	38	36	33	1192
BUTTE & MARKET LAKE	153	152	152	147	153	153	155	149	155	155	155	131	105	105	113	105	115	113	128	134	132	168	158	198	199	204	140	165	163	164	169	4396
SHEPPARD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CROOKED	73	71	73	72	73	72	72	72	72	71	71	72	71	71	72	72	73	73	73	72	[illegible]	72	73	73	[illegible]	74	76	74	75	73	76	2266
KENNEDY & BURGESS	5	4	4	4	1	1	1	1	5	6	6	6	5	5	5	5	4	4	4	4	5	4	3	3	2	2	3	4	4	[illegible]	6	142
BEAR ISLAND & SMITH	3	2	2	1	1	1	1	1	1	1	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	1	1	1	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
IDAHO	679	665	675	667	661	674	667	658	660	653	651	645	645	647	646	635	621	620	616	620	[illegible]	607	616	606	611	607	624	638	670	669	678	20059
GREAT WESTERN	[illegible]	236	236	235	231	229	234	233	[illegible]	227	222	227	224	224	218	216	217	212	222	236	277	275	271	311	309	318	303	293	284	283	[illegible]	[illegible]
PORTER	164	169	164	164	[illegible]	164	164	160	167	171	171	171	154	146	144	[illegible]	134	[illegible]	147	[illegible]	147	134	123	120	117	110	106	123	120	111	[illegible]	[illegible]
IDAHO FALLS CITY MAIN	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	[illegible]	155
WOODVILLE	43	43	43	43	41	39	37	37	41	44	42	41	41	44	44	42	42	35	41	36	46	[illegible]	40	44	41	38	39	44	47	32	39	[illegible]
SNAKE RIVER VALLEY	383	391	287	304	306	239	284	270	270	271	273	275	271	295	319	331	336	316	336	336	334	333	330	340	340	334	330	304	292	296	294	[illegible]
TOTAL DIVERSIONS HEISE TO WOODVILLE	6240	5865	5838	5156	5094	5179	5146	5056	5096	5172	5185	5209	5197	5210	5002	[illegible]	5038	5034	5240	[illegible]	[illegible]	4676	4614	4588	4728	4713	5242	5111	5177	5119	5099	159356
RESERVATION	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	31
BLACKFOOT	361	362	353	120	0	0	0	0	205	327	343	[illegible]	337	335	327	310	294	288	290	284	282	260	238	222	201	192	183	200	233	252	269	7440
NEW LAVASIDE	80	81	79	81	81	73	73	77	74	81	80	81	78	[illegible]	[illegible]	[illegible]	99	[illegible]	102	102	112	99	83	65	59	59	46	59	78	[illegible]	77	[illegible]
PEOPLES	1	1	1	1	1	1	281	412	406	716	76	170	219	220	222	234	[illegible]	322	119	24	24	24	24	24	24	24	24	143	244	274	226	[illegible]
AMERICAN FALLS	1	624	933	933	933	933	933	933	936	546	1	1	1	1	1	1	392	[illegible]	387	387	387	195	1	1	1	1	1	1	93	142	143	11030
CORBETT	118	105	103	104	96	73	56	40	35	35	73	76	74	73	69	60	48	32	35	35	36	36	44	37	32	24	21	22	65	80	94	1830
NIELSEN HANSEN	13	14	13	14	13	13	9	0	0	0	0	0	[illegible]	[illegible]	0	0	0	2	[illegible]	2	3	3	3	3	3	2	2	2	[illegible]	4	12	[illegible]
RIVERSIDE	100	102	100	24	1	69	101	98	102	101	102	96	98	101	101	104	[illegible]	100	100	100	102	102	100	100	100	101	96	92	96	101	102	[illegible]
ABERDEEN	177	170	172	172	173	164	109	10	144	146	164	147	144	144	143	138	123	142	137	135	158	165	146	156	149	144	152	144	160	166	162	[illegible]
TREGO	34	32	[illegible]	33	34	34	31	31	28	28	33	37	65	65	64	59	43	[illegible]	32	40	43	40	36	40	38	34	32	[illegible]	36	32	32	[illegible]
WEARYRICK	41	40	42	41	41	38	40	36	35	36	49	[illegible]	39	41	39	36	36	31	30	35	36	33	36	34	32	30	27	26	29	29	30	[illegible]
WATSON	97	98	97	97	95	91	72	3	58	75	94	97	95	94	92	90	73	69	69	91	100	93	97	90	89	90	73	67	73	72	88	[illegible]
[illegible]	22	27	22	22	22	22	15	0	0	6	23	23	23	22	22	22	21	16	15	22	25	23	21	23	18	15	16	13	16	16	22	[illegible]
TOTAL DIVERSIONS WOODVILLE TO BLACKFOOT	1040	1602	1950	1630	1491	1514	[illegible]	1641	[illegible]	1706	1620	1082	[illegible]	1204	1100	1276	1555	[illegible]	1510	[illegible]	[illegible]	1070	362	396	[illegible]	402	678	801	1125	[illegible]	1906	[illegible]
SMITH MAXWELL	0	0	0	0	0	0	0	0	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 DIVERSIONS BLACKFOOT TO [illegible]	0	0	0	0	0	0	0	0	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 SIDE MINIDOKA	1150	1150	1150	1150	1140	1150	1150	1140	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1150	1140	1140	1140	1140	1140	965	0	0	0	32065
SOUTH SIDE MINIDOKA	965	942	939	945	942	953	956	927	945	939	965	[illegible]	[illegible]	[illegible]	[illegible]	934	954	945	937	934	851	980	837	831	857	845	840	795	575	365	369	26035
TOTAL MINIDOKA CANALS	2115	2092	2089	2095	2082	2103	2106	2067	1995	2009	2015	2009	1997	1995	1990	2074	2084	2095	2077	1994	1961	1990	1977	1971	1977	1985	1980	1760	575	366	367	58090
[illegible] LATERAL	48	48	48	48	48	48	48	48	48	48	48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NORTH SIDE TWIN FALLS	1620	2120	2100	2080	2090	2090	2090	1960	[illegible]	424	411	400	411	414	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] LOW LIFT	86	86	86	86	[illegible]	86	84	84	81	86	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SOUTH SIDE TWIN FALLS	2770	2800	2800	2800	2800	2620	2600	2600	2600	2600	2530	2040	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL TWIN FALLS CANALS	4544	5056	5034	5016	5055	4874	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

1926 DISTRIBUTION WATER DISTRICT NO 36

SHEET NO VII

DAILY DISCHARGE IN SECOND FEET OF CANALS DIVERTING FROM SNAKE RIVER FOR SEPTEMBER 1926.

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
MILNER																															
ANDERSON	279	289	287	276	276	272	250	253	293	296	293	294	291	281	279	289	289	287	291	295	292	292	292	216	213	215	204	202	161	170	7261
ANDERSON, ROCK & MILLER CREEK	302	344	322	319	306	306	330	325	309	308	296	304	303	303	307	290	300	312	314	309	302	296	265	256	206	232	279	264	254	235	9344
PEORIA (MILNER)	270	239	232	241	232	193	176	164	134	138	176	204	292	296	296	299	292	283	301	304	302	296	265	256	206	232	279	264	254	235	7261
CATTERIDGE	36	31	10	10	10	10	1	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	18	12	12	10	6	8	34	31	6	0	0	601
NORTH SIDE CANAL	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
SPAFFORD CREEK	12	11	9	9	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	53
STRUBLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROCK CREEK	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
ROCK CREEK	35	34	34	33	34	34	34	34	33	34	33	37	37	40	39	39	39	39	39	34	34	33	44	43	43	41	41	40	44	43	44	0	0	0	1134
BUHLER (N. SIDE)	5	5	5	7	7	6	5	6	6	6	6	7	8	7	7	6	10	7	7	6	7	7	7	7	7	7	6	6	6	6	6	6	6	6	216
STEELE	119	119	119	117	107	236	226	117	34	36	237	276	201	201	201	207	209	220	34	33	36	178	250	143	30	30	30	158	242	247	6040
KIMBERLY	1	1	1	1	1	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	1	1	1	23
KILGORE	184	136	192	191	203	191	184	178	190	204	193	155	161	204	203	198	198	198	202	210	209	210	210	186	197	192	186	192	164	198	5763
KILGORE	120	133	118	112	119	120	113	144	132	130	144	131	130	127	142	135	132	141	144	142	144	142	140	131	142	135	135	120	135	142	4220
KILGORE	2	3	3	2	4	2	2	3	2	3	1	2	2	2	2	1	1	2	2	3	3	3	3	2	2	2	2	2	1	2	1	2	2	1	64
KILGORE	424	440	429	424	432	426	418	429	460	427	461	427	511	504	504	543	542	542	486	490	424	387	404	370	404	378	378	414	398	412	13676
BURGESS	66	64	64	63	66	64	58	60	62	58	58	59	62	58	57	58	60	59	62	63	60	64	64	58	61	57	57	61	59	61	1820
CARNEY EDWARDS	12	16	0	0	0	0	0	0	6	9	10	11	11	13	13	13	10	14	15	0	0	0	0	0	0	13	13	13	13	13	250
LOVEDEE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	12
DENNIS	6	5	0	0	0	0	0	0	4	5	5	6	5	5	5	4	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75
LA BELLE	30	88	100	96	109	96	89	96	97	99	85	103	114	103	103	104	104	108	110	117	120	127	121	98	109	106	103	108	102	103	3087
CONSOLIDATED FEEDER	33	34	33	30	41	42	36	34	31	76	73	64	50	57	54	54	66	64	70	70	70	76	70	73	70	60	50	30	32	36	1767
LEADER	67	64	61	67	71	83	105	81	76	74	72	60	50	50	48	49	46	89	102	96	96	82	84	78	82	80	81	74	70	80	2251
LEADER	72	70	73	71	66	52	39	36	26	24	20	3	1	4	4	4	4	4	16	47	62	80	81	63	36	61	66	63	66	67	60	1350
PAUL	138	126	104	97	90	68	35	31	44	30	20	16	8	8	7	7	6	1	11	3	4	4	1	1	1	4	2	2	2	1	1	1	1	1	326
ALBION FEEDER	11	12	11	11	10	8	6	6	6	5	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75
ALBION CANAL	2	2	2	2	2	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
HILL PETTINGER	256	248	243	246	236	194	161	137	135	125	114	83	65	61	57	56	54	82	177	172	180	157	139	135	135	131	130	144	127	142	4391
LONG ISLAND	87	84	77	64	57	49	42	33	45	43	16	24	13	12	10	9	8	22	62	98	47	54	45	43	43	46	46	39	41	47	1270
ELDER	136	146	141	140	141	141	142	147	140	133	146	133	132	146	140	140	146	146	150	135	138	138	137	131	131	33	12	138	138	164	4224
RIDER	14	14	16	12	7	6	23	5	22	21	13	10	10	19	20	20	20	20	20	19	20	20	20	19	20	20	20	20	10	20	326
BLISS	73	74	70	69	74	71	24	66	60	63	51	65	69	63	65	64	63	62	67	70	68	70	63	39	39	39	38	39	43	63	1333
WEST LA BELLE	226	225	212	225	236	236	182	202	203	218	160	223	257	231	239	244	237	241	247	273	277	263	243	226	226	273	221	196	185	203	6036
PARKS & LEWISVILLE	41	41	32	35	29	28	16	20	23	21	12	24	27	28	31	34	31	36	37	34	32	46	49	41	45	49	49	44	42	47	1070
NORTH MUDDY	2	2	1	1	2	2	1	2	2	2	2	3	3	3	2	2	2	3	3	4	5	3	3	4	4	3	3	3	4	4	3	3	4	3	93
BELLE	7	9	8	7	3	2	1	1	1	1	2	2	2	2	2	2	2	2	4	3	10	10	10	9	8	10	10	10	9	10	10	10	10	10	163
BARNWELL	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14
ELLIS	33	32	33	34	34	34	34	34	31	30	31	28	24	23	23	22	21	21	20	20	30	30	32	31	32	33	31	31	32	32	884
INDEPENDENT	110	115	113	99	10	12	4	4	4	4	201	110	36	97	153	149	147	65	1	1	1	1	1	1	38	39	37	60	140	143	2038
BOYLE & MARKET LAKE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHERWOOD	71	75	57	54	56	20	16	34	32	19	15	26	25	25	21	33	32	32	41	40	1	1	1	28	16	1	1	3	1	14	1	1	1	1	1142
OSBORNE	8	8	7	3	6	6	6	3	4	3	4	5	3	3	3	3	3	3	4	2	1	4	4	4	4	1	1	1	1	1	1	1	1	1	120
KENNEDY & BUNCRAFT	0	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
BIRD ISLAND & SMITH	0	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
LOW LEVEL	618	619	492	302	327	343	336	629	623	634	647	643	615	607	606	379	379	338	346	333	260	492	410	326	300	424	318	318	326	313	15635
GREAT WESTERN	314	321	321	325	323	339	337	241	211	323	343	361	337	331	321	203	158	165	136	135	146	146	134	133	165	167	164	164	138	142	7130
PORTER	111	110	108	110	112	110	106	48	41	112	103	104	79	70	73	63	67	45	46	43	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1300
IDAHO FALLS CITY MAIN	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	150
WOODVILLE	36	32	28	36	36	37	34	33	33	30	0	32	26	24	24	22	23	22	24	24	25	202	26	27	32	31	33	33	33	32	33	33	33	33	977
SNAKE RIVER VALLEY	296	296	300	298	298	294	264	205	230	283	368	403	305	312	323	282	209	233	232	209	204	201	204	204	204	207	211	214	211	179	7895
TOTAL DIVERSIONS HEISE TO WOODVILLE	5727	5706	5642	5456	5502	5411	5114	5396	5407	5089	5410	5505	5403	5495	5474	5430	5210	5341	5403	5404	5336	5036	5071	5391	5716	5621	5496	5368	5268	5242	214217
BOSTETTER	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
BLACKFOOT	31	0	0	0	0	161	206	244	260	236	214	181	166	146	124	144	137	126	101	66	0	31	144	137	230	233	246	248	208	176	4481
NEAL EASTSIDE	78	96	115	115	113	110	112	107	100	86	78	91	26	14	12	29	62	26	14	77	63	63	88	80	90	94	96	96	96	96	2418
PROVO	210	24	24	24	24	24	24	24	111	287	277	240	227	193	128	84	28	26	32	24	22	22	22	23	23	23	23	23	23	23	1197
GRIGGS CANYON FALLS	140																														
CORBETT	108	22	22	22	22	22	22	22	22	22	62	41	30	23	16	31	64	86	89	102	30	33	72	32	79	81	32	28	32	42	1298
ADAMS HANSEN	13	14	13	12	12	13	13	14	13	12	8	3	3	4	4	0	0	0	0	0	0	3	11	6	10	10	10	11	11	11	11	11	11	11	270
RIVERSIDE	102	104	100	102	100	93	92	91	94	100	90	90	86	70	80	85	86	80	73	68	91	86	92	94	94	88	88	88	88	88	2744
DANSKIN	172	183	174	170	169	170	167	162	157	143	128	124	128	103	80	120	126	112	116	121	124	135	120	112	122	126	98	92	98	98	3744
TAYLOR	30	28	29	30	29	29	29	29	29	44	40	42	32	28	16	13	28	3	22	32	36	42	38	40	4	32	32	32	32	32	1003
WILMARTH	32	34	34	33	32	36	38	37	36	32	27	18	17	10	3	8	22	12	10	27	32	42	38	40	4	33	33	33	33	33	1033
WILSON	97	92	91	92	91	93	90	90	89	78	65	57	28	18	12	32	42	33	27	67	92	92	92	98	9	97	102	102	104	98	2933
PERKINS	24	23	23	23	23	22	22	22	21	18	12	4	2	1	0	7	17	2	4	12	24	32	32	28	26	30	34	34	34	34	1033
TOTAL DIVERSIONS WOODVILLE TO BLACKFOOT	1039	703	706	707	699	836	889	918	1006	1125	1022	815	559	401	496	518	657	622	632	630	639	785	794	823	765	815	825	886	893	893	23305
SOUTH MODWELL	0	0	0	0	0	0	0	0	0	0	0	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 DIVERSIONS BLACKFOOT TO CLOUGH	0	0	0	0	0	0	0	0	0	0	0	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 SIDE HIGH BOOM	0	0	0	0	339	859	939	1110	1140	1130	804	1027	1024	1013	1024	1043	1116	1135	1141	1082	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045	1045	30339
SOUTH SIDE MINIDOKA	364	360	362	366	366	624	674	693	614	614	377	527	525	489	487	539	518	533	532	532	543	546	546	546	546	546	546	546	546	546	546	546	546	546	15750
TOTAL MINIDOKA CANALS	364	360	362	366	705	1483	1613	1803	1754	1744	1376	1554	1549	1502	1511	1582	1634	1668	1673	1614	1588	1591	1591	1591	1591	1591	1591	1591	1591	1591	1591	1591	1591	1591	46089
PALISADES	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	1080
NORTH SIDE TWIN FALLS	464	330	660	630	630	310	416	411	387	390	370	109	0	0	0	0	109	316	439	580	700	0	0	0	0	0	0	0	0	0	0	0	0	0	5691
PALMER LOW LIFT	48	47	47	47	47	47	47	47	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	1519
SOUTH SIDE TWIN FALLS	2000	2000	2010	2000	2000	2010	2110	2130	2180	2150	2110	2080	2030	2040	2040	2040	2040	2070	2060	2330	2390	2310	2070	2040	2040	2040	2040	2040	2040	2040	2040	2040	2040	2040	63240
TOTAL TWIN FALLS CANALS	2514	2377	2717	2677	2677	2357	2641	2670	2717	2589	2529	2268	2109	2119	2119	2119	2198	2435	2578	2959	3139	2389	2149	2089	2089	2089	2089	2089	2089	2089	2089	2089	2089	2089	70040

been observed mean discharges have been recorded. Daily summaries showing the total diversions between river gaging stations have also been included.

Data for upper valley canals for the first ten days of May have been partially estimated or interpolated but with this exception the records are based upon daily gage readings.

No record is included of the small amount of water which was diverted by the Morgan and Rostan canals prior to May 14 as thereafter the channel in which these canals head was shut off from its river supply, first because of low stage conditions and when regulation began, by the reconstruction of the old temporary dam.

Laterals which divert from several of the canals above the main gaging stations are, in these tables, in each case included with the flow in the main canal.

The canals are listed by divisions, each of which represents the territory covered by a deputy water master or river rider. The canals of each division in general are shown in down stream order.

RIVER DATA

The extensive tables found on Plates VIII, IX and X summarize data in regard to total flow, normal and stored water segregation, diversions, losses and gains for each section of the river between Jackson Lake and Milner.

These tables are prepared upon the following time interval basis:

Time from Jackson Lake In Hours	Gaging Station	Period used for comparable daily means.
0	Jackson Lake and Moran	Day ending at 4 a.m.
24	Heise	Day ending at 4 a.m. 1st day following
28	Lorenzo and Rexburg	Day ending at 8 a.m. 1st day following
42	Woodville	Day ending at 10 p.m. 1st day following
50	Blackfoot Bridge	Day ending at 6 a.m. 2nd day following
53	Blackfoot (Robertson)	Day ending at 9 a.m. 2nd day following
54	Blackfoot (Cloughs)	Day ending at 10 a.m. 2nd day following
66	American Falls	Day ending 10 p.m. 2nd day following
68	Neeley	Day ending at 12 midnight 2nd day following
92	Minidoka	Day ending at 12 midnight 3rd day following
116	Milner	Day ending at 12 midnight 4th day following.

This schedule for time of transmission is the same as the one adopted for the seven preceding years, and while not exactly correct for all stages of the river, it is believed to be fairly representative of average conditions, and on this account was used throughout the entire period of record.

The dates given on these three plates are those which agree most nearly with the midday hour on this schedule, but the discharges for all river stations have been computed from recording gage records and agree exactly with the schedule. The summaries of diversions or canal totals are for the dates indicated on the tables.

1926 DISTRIBUTION WATER DISTRICT NO 36.

DATE	JACKSON LAKE			MORAN				TWIN LAKE		DATE	HEISE						MORAN - HEISE				LORENZO		H-L			TEXBURG		VIERSE & RILEY	
1926	GAGE	CAPACITY	DRAIN	GAGE	DISCH	STD.	NOR.	DISCH	+ MORAN	1926	GAGE	DISCH	TRILEY	STD.	T.L.K.	NOR.	TOTON	STD.	L.T.L.	ON NOR	STD.	T.L.K.	L STD.	L.T.L.		ICE	DISCH	20 DISCH	
May 8	6.29	689440		0.26	34		34			May 9	4.35	9540	9564			9564	9530			9530						4.97	2190	11754	
9	6.29	694320		0.26	34		34			10	4.13	8800	8821			8821	8787			8787						4.85	1840	10661	
10	6.36	698480		0.33	45		45			11	3.97	8280	8295			8295	8253			8253						4.14	1520	9818	
11	6.31	702160		0.33	45		45			12	3.84	7870	7888			7888	7843			7843						3.00	1280	9168	
12	6.35	705600		0.33	45		45			13	3.73	7530	7546			7546	7501			7501						3.48	1070	8616	
13	6.34	708790		0.33	45		45			14	3.65	7280	7295			7295	7250			7250						3.17	895	8190	
14	6.36	712470		0.33	45		45			15	3.66	7310	7324			7324	7279			7279						2.98	795	8119	
15	6.35	716080		0.33	45		45			16	3.78	7680	7696			7696	7651			7651						2.99	800	8496	
16	6.41	724770		0.33	45		45			17	4.05	8540	8559			8559	8514			8514						3.26	945	9504	
17	6.44	732440		0.34	47		47			18	4.26	9230	9253			9253	9206			9206						3.74	1240	10473	
18	6.47	739860		0.36	51		51			19	4.25	9200	9223			9223	9172			9172						3.76	1230	10473	
19	6.51	748760		0.32	44		44			20	4.46	9920	9945			9945	9901			9901						3.79	1270	11215	
20	6.53	758980		11 D.	1770		1770			21	5.10	12410	12410			12410	10640			10640						4.58	1690	14300	
21	6.55	760230		5.72	5280		5280			22	6.00	16060	16104			16104	10824			10824						4.93	2250	18352	
22	6.54	756490	3740	6.60	6950	1886	5064			23	6.33	17650	17672	1839		15833	10722	47		10769	1734		55			4.83	2160	19852	
23	6.52	753510	2980	6.70	7170	1502	5668			24	6.35	18800	18825	1464		17361	11655	38		11693	1420		44			5.15	2490	21375	
24	6.52	752260	1250	6.48	6730	630	6100			25	6.47	18450	18475	614		17859	11743	16		11759	596		16			5.49	2640	21363	
25	6.52	751760	500	5.68	3250	252	4998			26	6.00	16490	16513	246		16267	11263	6		11269	239		7			5.23	2860	19113	
26	6.52	751760	0	4.53	3440	0	3440			27	5.41	14140	14163	0		14163	10723	0		10723	0		0			4.70	2120	16283	
27	6.52	751760	0	4.85	3900	0	3900			28	5.45	14290	14315	0		14315	10415	0		10415	0		0			4.52	1910	16125	
28	6.52	751510	250	5.16	4390	126	4264			29	5.53	14600	14622	123		14499	10232	3		10235	119		4			4.01	1560	16182	
29	6.51	749770	1740	5.45	4860	877	3983			30	5.60	14880	14905	855		14050	10045	22		10067	824		31			3.85	1440	16345	
30	6.50	746280	3490	5.91	5660	1760	3900			31	5.75	15420	15503	1716		13787	9843	44		9887	1642		74			3.30	1460	16923	
31	6.48	742080	4200	6.05	5910	2118	3792			Jun 1	5.70	15280	15303	2065		13238	9393	53		9446	1997		66			3.79	1400	16703	
Jun 1	6.46	737380	4700	6.10	6000	2370	3630			2	5.65	15080	15104	2311		12793	9104	59		9163	2242		69			3.53	1220	16324	
2	6.44	732440	4940	6.10	6000	2491	3509			3	5.63	15000	15023	2439		12594	9023	62		9085	2356		73			3.28	1070	16093	
3	6.42	727000	5440	6.10	6000	2743	3257			4	5.59	14840	14866	2674		12192	8566	69		8935	2534		80			3.06	940	14811	
4	6.40	721560	5440	6.11	6020	2743	3277			5	5.63	15000	15024	2674		12350	9004	69		9073	2594		80			2.85	831	15045	
5	6.39	716400	5160	6.11	6020	2602	3418			6	5.69	15240	15264	2537		12727	9244	65		9309	2469		78			2.75	786	16044	
6	6.38	710760	5640	6.26	6300	2844	3456			7	5.81	15720	15744	2773		12971	9444	71		9515	2664		109			3.08	934	16676	
7	6.32	704860	5300	6.32	6420	2975	3445			8	5.83	15800	15824	2901		12923	9404	74		9478	2755		146			3.13	1020	16640	
8	6.30	698970	5560	6.30	6380	2970	3410			9	5.80	15800	15823	2896		12927	9443	74		9517	2734		162			3.13	956	16777	
9	6.28	692860	6110	6.29	6360	3080	3280			10	5.78	15600	15624	3003		12621	9264	77		9341	2856		147			3.29	1050	16654	
10	6.25	686030	6830	6.30	6380	3443	2937			11	5.68	15200	15223	3357		11866	8843	86		8929	3252		105			3.39	1100	16315	
11	6.22	673960	7070	6.32	6420	3564	2856	15	6435	12	5.59	14840	14864	3475	15	11374	8429	89	0	8518	3371	15	104	0		3.14	951	15915	
12	6.19	671170	7790	6.34	6460	3927	2533	40	6500	13	5.51	14520	14543	3829	39	10675	8043	96	1	8142	3714	38	115	1		2.95	847	15390	
13	6.15	667120	9450	6.70	7170	4764	2406	45	7215	14	5.53	14600	14624	4645	44	9935	7409	119	1	7529	4506	43	139	1		2.83	780	15434	
14	6.11	661070	10650	6.83	7430	5369	2061	50	7400	15	5.51	14520	14543	5235	45	9260	7063	134	2	7199	5078	47	157	1		2.87	735	15330	
15	6.06	640230	10840	6.80	7370	5465	1905	50	7420	16	5.39	14060	14082	5328	49	8705	6662	137	1	6800	5168	48	160	1		2.76	730	14832	
16	6.00	629160	11070	6.81	7390	5581	1809	50	7440	17	5.32	13780	13799	5441	49	8310	6359	140	2	6581	5278	47	163	1		2.68	668	14467	
17	5.94	620530	10630	6.72	6040	4351	1689	52	6092	18	5.05	12750	12763	4842	51	8470	6671	109	1	6781	4115	49	127	2		2.61	668	13451	
18	5.92	617670	2860	11 D.	2900	1442	1458	50	2950	19	4.35	10200	10211	1406	48	8757	7261	36	2	7339	1363	47	43	1		2.98	654	10965	
19	5.92	615280	2390	4.06	2810	1205	1605	50	2860	20	4.10	9340	9351	1175	47	8127	6491	30	1	6522	1113	47	96	2		2.84	607	10281	

DAILY SUMMARY OF DATA AT AND BETWEEN

ALEXBURG		HEISE & RILEY ALEXBURG	DATE 1926	DIV. HEISE-WOOD			WOOD THEO BAL.	WOODVILLE			
GHGE	DISCH			TOTAL	STD.	NOR.		GHGE	DISCH.	STD.	NOR.
4.97	2190	11754	MAY 10	5764		5764	5990	7.14	6640		6640
4.55	1840	10661	11	5705		5703	4938	6.85	5700		5700
4.14	1320	9815	12	5646		5646	4172	6.60	4950		4950
3.80	1280	9168	13	6049		6049	3119	6.28	4090		4070
3.49	1070	8616	14	6452		6452	2164	5.92	3270		3270
3.17	895	8190	15	6408		6408	1782	5.56	2590		2590
2.98	795	8119	16	6668		6668	1451	5.27	2140		2140
2.99	800	8496	17	7204		7204	1292	5.23	2080		2080
3.26	945	9504	18	7960		7960	1544	5.32	2210		2210
3.74	1240	10473	19	8076		8076	2417	5.63	2710		2710
3.76	1250	10473	20	7829		7829	2644	5.74	2920		2920
3.79	1270	11215	21	7756		7753	3457	6.07	3590		3570
4.56	1890	14300	22	8005		8005	6295	6.57	5760		5760
4.95	2250	18354	23	7953		7953	10401	8.09	10000		10000
4.83	2160	19832	24	8096		8096	11736	8.57	11790	1775	10015
5.15	2490	21315	25	8056		8056	13257	8.98	13340	1413	11927
5.49	2840	21313	26	7984		7934	13329	9.03	13530	593	12937
5.23	2600	19113	27	8009		8009	11104	8.53	11630	238	11392
4.70	2120	16283	28	8185		8185	8098	7.75	8770	0	8770
4.32	1810	16125	29	8269		8269	7856	7.51	7920	0	7920
4.01	1560	16182	30	8165		8165	8017	7.55	8060	118	7942
3.85	1440	16345	31	8219		8219	8126	7.67	8490	820	7660
3.90	1450	16983	JUN. 1	8222		8222	8761	7.82	9020	1634	7386
3.79	1400	16703	2	8226		8226	8477	7.81	8970	1967	7003
3.53	1220	16324	3	8304	11	8293	8020	7.68	8520	2220	6300
3.28	1070	16093	4	8267	18	8249	7826	7.51	8200	2326	5874
3.08	945	15811	5	8257	17	8220	7574	7.52	7950	2564	5386
2.85	821	15645	6	8186	33	8153	7651	7.53	7980	2548	5432
2.78	780	16044	7	8190	49	8141	7854	7.60	8230	2338	5892
3.00	934	16678	8	8176	49	8127	8502	7.78	8680	2002	6278
3.23	1020	16844	9	8150	48	8102	8694	7.89	9270	2693	6377
3.13	956	16779	10	8140	52	8088	8639	7.90	9310	2668	6642
3.09	1050	16674	11	8077	53	8024	8597	7.94	9450	2789	6661
3.39	1100	16323	12	8016	52	7964	8307	7.85	9130	3184	5946
3.14	951	15945	13	8068	53	8015	7747	7.76	8810	3316	5494
2.95	847	15390	14	7910	54	7856	7480	7.66	8450	3679	4771
2.83	780	15404	15	7970	53	7917	7434	7.62	8300	4474	3826
2.87	795	15338	16	7941	51	7890	7397	7.63	8340	5049	3291
2.74	730	14812	17	7874	45	7831	6938	7.51	7920	5147	2773
2.62	668	14467	18	7835	64	7771	6632	7.40	7530	5235	2295
2.61	668	13431	19	5189	-2334	7823	8242	7.40	7530	6477	1053
2.50	654	10865	20	3756	-3140	7726	7107	7.32	7500	4913	2587
2.64	687	10030	21	3351	-3675	7026	6687	7.22	6970	4835	2075

FOR WOOD			HEISE-WOODVILLE				DIV WOOD BLACK.			BLACK THEO BAL.	BLACKFOOT DI			WOOD-BLACK		
STD	L.T.L.		TOT GN	S.S.	STD	L.T.L.	GN NOR	TOTAL	STD	NOR.		DISCH	STD	NOR	TOT GN	L STD
			650				650	3032		3032	3608	3580		3580	- 28	
			742				742	2914		2914	2786	2800		2800	14	
			778				778	2826		2826	2124	2120		2120	- 4	
			971				971	2566		2566	1524	1480		1480	- 44	
			1106				1106	2238		2236	1032	1010		1010	- 22	
			808				808	2147		2147	443	415		415	- 28	
			689				689	1641		1641	499	164		164	- 335	
			788				788	1661		1661	419	61		61	- 358	
			666				666	1942		1942	268	3		3	- 265	
			293				293	2428		2428	282	7		7	- 275	
			276				276	2641		2641	279	108		108	- 171	
			133				133	2950		2950	640	499		499	- 141	
			- 535				- 535	3241		3241	2519	2060		2060	- 459	
			- 401				- 401	3390		3390	6610	6280		6280	- 330	
9		54	64				118	3442		3442	8348	8130	1667	6461	- 218	106
7		81	51				132	3393		3393	9247	9530	1328	8202	- 417	85
3		201	21				222	3036	- 435	3471	10434	10000	966	9034	- 434	62
1		526	8				534	2865	- 597	3462	8745	8240	185	7455	- 505	50
0		672	0				672	2903	- 600	3503	5067	5400	564	4836	- 467	36
0		64	0				64	2893	- 600	3493	5027	4760	564	4196	- 267	36
1		43	5				48	2890	- 600	3490	5170	4940	675	4265	- 230	43
4		354	35				389	2897	- 600	3497	5583	5340	1335	4005	- 243	60
8		259	82				341	2901	- 600	3501	6119	5830	2100	3730	- 289	134
10		513	78				591	2892	- 600	3492	6038	5760	2432	3328	- 336	155
11		500	80				580	2874	- 600	3474	5646	5300	2651	2649	- 346	169
12		374	85				459	2890	- 600	3490	5310	5060	2750	2310	- 390	176
13		376	93				469	2896	- 600	3496	5054	4790	2974	1816	- 264	190
13		321	93				414	2890	- 600	3490	5090	4840	2959	1881	- 250	189
12		376	90				466	2901	- 600	3501	5327	5100	2878	2222	- 229	180
13		378	122				500	2913	- 600	3513	5967	5600	3010	2590	- 367	192
14		576	160				736	2919	- 600	3519	6[illegible]	6090	3095	2995	- 261	185
14		671	176				847	2896	- 600	3496	6414	6180	3072	3108	- 234	196
14		853	161				1014	2855	- 600	3455	6525	6220	3686	3134	- 305	203
16		823	121				944	2813	- 600	3413	6317	5940	3557	2383	- 377	227
17	0	1063	121	0			1184	2834	- 600	3434	5976	5620	3631	1989	- 356	235
19	0	970	134	1			1105	2765	- 600	3365	5665	5340	4022	1318	- 325	257
22	0	866	161	1			1028	3140	- 235	3375	5160	4920	4427	493	- 240	262
25	1	943	180	2			1127	3411		3411	4939	4710	4416	294	- 219	303
26	0	982	186	1			1169	3381		3381	4539	4300	4038	262	- 239	307
26	0	848	189	1			1038	3417		3417	4113	3910	4921	-1011	- 203	314
21	0	- 712	148	2			- 562	1953	-1456	3409	5577	5320	7457	-2137	- 257	476
7	0	393	50	1			444	1187	-2226	3413	6313	6080	6711	- 631	- 233	428
6	1	223	62	3			288	1138	-2252	3390	5772	5470	6662	- 1192	- 302	475

ETWEEN SNAKE RIVER GAGING STATIONS FROM JACKSON LAKE WYOMING TO MILNER IDAHO

F	WILSON BLACK			CUM LOSS STD	CORR APP STD	SMITH MILL CAN	BLACK RIVER				BB-C THEO BAL	CLOUGHS			BL BR CLOUGH GAIN	DATE	AMERICAN FALLS				MEDD INFLOW CL N	COMP INFLOW CL-N	NEELEY			
CH	TOTCH	STD	CH NOR				GAGE	DISCH	STD	NOR		GAGE	DISCH	STD	NOR		1926	GHGF	CAPAC	DRAFT AC FT	DRAFT SEC FT			GAGE	DISCH	STD	NOR
												5.62	5950	0	5950		May 1	4308.11	106280	1340	686	1528	2750	6.29	9460	760	8700
												5.59	5880	0	5880		2	0801	104760	1520	766	1505	2739	6.33	9610	991	8619
												5.80	6410	0	6410		3	07.92	103470	1290	650	1488	2700	6.33	9610	992	8618
												5.73	6230	0	6230		4	0779	101620	1850	933	1482	2697	6.33	9610	683	8927
												5.42	5460	0	5460		5	07.46	99760	1860	938	1456	2650	6.30	9200	1390	8110
												5.20	5170	0	5170		6	07.52	97770	1990	1003	1502	2734	6.22	9210	1306	7904
												5.53	5980	0	5980		7	07.42	96340	1430	721	1483	2697	6.12	8000	181	8677
												5.67	6330	0	6330		8	0742	96340	0	0	1484	2701	6.06	8650	- 381	9031
							(540)	101	38	63	5513	5.59	5630	38	5592	79	9	0740	96060	280	141	1459	2670	6.00	8440	178	8262
							6.15	248	188	60	4583	4.97	4690	188	4502	107	10	0723	94350	1710	862	1446	2661	6.01	8480	1317	7163
30	- 28		- 28			2	7.12	456	400	56	4034	4.73	4120	400	3720	86	11	0702	90640	3710	1871	1433	2651	6.10	8770	2419	6351
20	- 14		- 14			2	7.25	485	435	00	3283	4.42	3490	435	3055	207	12	0666	85850	4790	2415	1391	2573	6.08	8720	3092	5628
10	- 4		- 4			0	707	445	405	40	2565	4.03	2760	405	2355	195	13	0620	79740	6110	3081	1370	2576	5.99	8410	3479	4931
30	- 44		- 44			0	7.00	430	400	30	1910	3.57	2060	400	1660	150	14	0538	71940	7800	3933	1351	2540	6.00	8440	4240	4200
10	- 22		- 22			0	638	296	276	20	1306	3.14	1490	276	1214	184	15	0490	63720	8220	4144	1324	2529	5.90	8100	4357	3743
15	- 28		- 28			0	605	227	217	10	642	2.50	803	217	586	161	16	0403	53940	9780	4931	1287	2458	5.90	8100	5056	3044
4	- 335		- 335			0	634	287	287	0	451	2.33	677	287	390	226	17	0270	40620	13320	6716	1257	2426	6.12	8860	6044	2816
31	- 358		- 358			0	6.53	327	327	0	388	2.23	594	327	267	206	18	0159	30830	9790	4936	1256	2424	6.25	9320	6629	2691
3	- 265		- 265			0	6.80	386	386	0	369	2.17	543	386	162	159	19	0060	23170	7660	3862	1244	2426	5.70	8430	4844	2586
7	- 275		- 275			0	7.05	441	441	0	446	2.22	586	441	145	138	20	9971	17140	6030	3040	1234	2406	5.30	8160	3609	2551
08	- 171		- 171			0	7.33	503	503	0	611	2.27	626	503	123	15	21	9895	12570	4570	2304	1241	2432	5.14	8630	3135	2535
19	- 141		- 141			0	7.50	540	540	0	1037	2.40	722	540	182	- 317	22	9838	9710	2860	1442	1240	2430	4.86	8700	2259	2612
60	- 459		- 459			0	748	536	536	0	2596	3.78	2420	536	1884	- 176	23	9565	11060	-1350	- 681	1208	2381	4.74	8480	316	4264
30	- 330		- 330			11	7.23	481	481	0	6750	5.68	6410	481	5929	- 340	24	9949	15830	-4740	-2330	1210	2384	5.23	9150	- 2363	8113
01	- 218	106	- 112	0	0	21	7.01	432	432	0	8541	6.36	8240	2101	6139	- 301	25	0041	21520	-6020	- 3035	1220	2416	5.73	9730	- 1025	8553
72	- 417	85	- 332	0	0	21	6.87	401	401	0	9910	6.80	9540	1729	7811	- 370	26	0147	29860	-8040	-4054	1228	2431	5.87	9000	- 2342	10242
34	- 494	62	- 432	0	0	16	6.69	362	362	0	10346	6.93	9660	1328	8532	- 486	27	0251	38870	-9010	-4543	1222	2423	5.42	8530	- 4425	10355
35	- 505	50	- 455	0	0	14	5.47	114	114	0	8340	6.32	7890	899	6991	- 450	28	0323	45730	-6860	- 3459	1233	2454	5.33	8250	- 3195	9445
36	- 467	36	- 431	0	0	11	4.93	34	34	0	5423	5.35	5290	598	4692	- 133	29	0355	49000	-3270	-1649	1257	2501	5.34	8280	- 913	7193
96	- 267	36	- 231	0	0	8	5.02	42	42	0	4794	5.08	4670	606	4064	- 124	30	0342	47670	1330	670	1260	2520	5.80	7760	1176	6584
65	- 230	43	- 187	0	0	8	5.18	63	63	0	4995	5.16	4850	738	4112	- 145	31	0316	45020	2650	1336	1239	2476	6.13	8300	2312	6388
65	- 243	85	- 158	0	0	16	5.36	97	97	0	5421	5.33	5240	1432	3808	- 181	Jun. 1	0292	42640	2380	1200	1228	2468	6.08	8720	2444	6276
30	- 289	134	- 155	0	0	16	5.46	112	112	0	5926	5.52	5700	2212	3488	- 226	2	0278	41360	1280	645	1225	2462	6.07	8680	2730	5950
26	- 338	155	- 183	0	0	16	5.57	132	132	0	5876	5.50	5650	2504	3086	- 226	3	0268	40440	920	464	1236	2484	6.02	8810	2940	5870
49	- 346	169	- 177	0	0	15	5.40	101	101	0	5386	5.30	5170	2752	2418	- 216	4	0249	38690	1750	862	1227	2466	6.01	8480	3516	4864
70	- 290	176	- 114	0	0	16	5.32	87	87	0	5091	5.18	4960	2837	2123	- 131	5	0231	37030	1660	837	1226	2464	5.93	8300	3613	4587
16	- 264	190	- 74	0	0	16	5.40	101	101	0	4873	5.10	4780	3075	1705	- 95	6	0214	35470	1560	786	1217	2446	5.89	8070	3919	4151
81	- 250	189	- 61	0	0	16	5.45	110	110	0	4934	5.14	4870	3069	1801	- 64	7	0197	33940	1530	771	1220	2452	5.87	8000	3747	4253
82	- 221	150	- 49	0	0	17	5.76	209	209	0	5292	5.26	5150	3027	2123	- 142	8	0185	32960	980	494	1221	2454	5.91	8130	3593	4577
90	- 367	192	- 175	0	0	18	5.95	207	207	0	5787	5.50	5720	3217	2503	- 69	9	0184	32870	90	45	1225	2462	5.97	8240	3375	4965
75	- 261	198	- 63	0	0	18	5.78	173	173	0	6245	5.68	6180	3268	2912	- 65	10	0187	33120	- 250	- 126	1224	2460	5.97	8340	2466	5772
48	- 234	196	- 38	0	0	18	5.76	169	169	0	6331	5.68	6190	3241	2939	- 151	11	0195	33770	- 650	- 328	1293	2599	5.99	8410	2872	5538
24	- 305	203	- 102	0	0	18	5.56	130	130	0	6402	5.76	6280	3316	2964	- 122	12	0201	34270	- 500	- 252	1276	2565	6.03	8360	3011	5529
93	- 377	227	- 150	0	0	17	5.58	134	134	0	6057	5.56	5860	3691	2189	- 177	13	0205	34640	- 370	- 186	1285	2583	5.97	8340	3568	4772
79	- 356	235	- 121	0	0	20	5.72	161	161	0	5761	5.50	5720	3842	1878	- 41	14	0199	34100	540	272	1298	2609	6.01	8480	3993	4487
16	- 323	251	- 68	0	0	20	6.15	248	248	0	5569	5.40	5480	4270	1210	- 88	15	0184	32870	1230	620	1322	2657	6.12	8630	4993	3637
93	- 240	282	42	0	0	21	6.00	217	217	0	5116	5.22	5060	4644	416	- 56	16	0164	31240	1630	822	1283	2577	6.05	8520	5635	2885
96	- 319	303	84	36	- 36	21	5.65	187	187	0	4876	5.14	4870	4897	- 27	- 6	17	0134	28740	2450	1235	1281	2575	6.08	8720	6172	2548
78	- 239	307	70	574	- 538	21	5.74	165	165	0	4414	4.95	4450	4465	- 15	6	18	0092	25450	3340	1684	1265	2543	6.08	8720	6192	2526
11	- 203	314	111	1585	- 1011	19	5.33	88	88	0	3979	4.76	4040	3998	42	61	19	0049	22390	3060	1543	1267	2547	5.97	8560	5751	2809
37	- 57	476	419	3522	- 1937	20	4.65	16	16	0	5516	5.38	5430	5536	- 106	- 86	20	0047	22250	140	71	1252	2517	5.93	8500	5769	2411
11	- 313	428	115	4233	- 711	21	4.46	7	0	7	5986	5.54	5820	6000	- 180	- 166	21	0032	22600	- 350	- 176	1257	2527	5.96	8500	5953	2547
92	- 302	425	123	5425	- 1192	21	4.37	4	0	4	5453	5.38	5430	5470	- 40	- 23	22	0053	22670	- 70	- 35	1234	2480	5.96	8460	5806	2654

R IDAHO

WEELEY			GOODING WEELEY DRAIN	DATE	LAKE WALCOTT			N.S. MIN. CHN.		S.S. MIN. CHN.		N.S. & S.S. MIN. CANALS		MINID THEO. BAL	MINIDOKA			WEELEY MINID LOSS	DATE	LAKE MIL GAGE	P.A.L.A.T.		N.S.T.E. CAN		P.A.+N.S.T.E. CANALS		
SCH	STD.	NOR.		1926	GAGE	CU.FT.PER SEC.	DRAFT	GAGE	DISCH.	GAGE	DISCH.	STD.	NOR.		GAGE	DISCH.	STA.	NOR.		1926		GAGE	DISCH.	GAGE	DISCH.	TOTAL	STD.	NOR.
1460	7460	8780	2824	March	45.39	99280	- 181	944	1490	5.62	1060	2550	0	6729	6.84	6500	350	6150	229	March	10.79	124	55	861	2970	3025	- 125	3150
1410	9911	8669	2764	3	45.44	100490	- 308	945	1490	5.58	1040	2530	0	6772	6.82	6440	331	6087	332	4	10.84	124	55	851	2910	2965	- 124	3089
1410	9912	9118	2550	4	45.51	101330	- 423	944	1490	5.61	1050	2540	0	6647	6.73	6210	- 368	6578	437	5	10.82	123	54	844	2880	2934	- 251	3185
1410	6633	8927	2447	5	45.52	102290	- 484	944	1490	5.64	1060	2550	0	6576	6.78	6340	- 37	6377	236	6	10.77	123	54	839	2900	2954	- 231	3185
1390	8110	3102	6	45.59	102230	0	945	1490	5.65	1060	2550	440	2110	6950	6.81	6420	420	6000	530	7	10.77	123	54	860	2900	2954	- 46	3000
1410	1306	7204	3037	7	45.44	100490	907	944	1490	5.65	1060	2550	646	1904	7561	6.76	6290	290	6000	1277	8	10.78	123	54	843	2810	2864	- 136	3000
1460	1181	8679	2159	8	45.46	100730	- 121	943	1480	5.64	1060	2540	0	2540	6199	6.61	5900	- 239	6139	239	9	10.78	123	54	842	2810	2864	- 272	3135
1450	- 381	9031	2320	9	45.45	100610	60	945	1490	5.62	1050	2540	0	2540	6170	6.53	5690	- 801	6471	480	10	10.74	123	54	839	2790	2844	- 341	3185
1440	178	9262	2669	10	45.50	101210	- 302	945	1490	5.56	1030	2520	250	2262	5618	6.58	5820	- 180	6000	- 202	11	10.80	120	53	844	2820	2873	- 127	3000
1480	1317	7163	2928	11	45.54	101670	- 242	945	1490	5.54	1020	2510	784	1726	5728	6.60	5870	433	5437	- 142	12	10.86	121	54	849	2840	2894	457	2437
1470	2419	6371	2799	12	45.53	101570	60	945	1490	5.56	1030	2520	794	1726	6330	6.60	5870	1225	4645	460	13	10.79	124	49	847	2830	2879	234	1645
1420	3092	5628	2615	13	45.52	101450	60	943	1490	5.56	1020	2510	784	1726	6270	6.57	5790	1888	3902	480	14	10.74	176	45	830	2850	2095	1793	302
1410	3479	4931	2569	14	45.47	100650	303	945	1490	5.58	1030	2520	989	1531	6193	6.57	5790	2390	3400	403	15	10.76	182	48	845	2820	2868	2468	400
1440	4240	4200	2447	15	45.38	99760	550	945	1490	5.60	1030	2520	1720	800	6470	6.58	5820	2420	3400	650	16	10.81	182	48	841	2830	2878	2478	400
1400	4557	3743	2466	16	45.21	97720	1029	944	1490	5.57	1020	2510	2167	343	6619	6.56	5770	2370	3400	849	17	10.60	182	48	830	2750	2798	2398	400
1400	5036	3044	2366	17	45.32	99040	- 666	944	1490	5.57	1020	2510	2510	0	4924	6.65	6000	2956	3041	- 1076	18	10.82	181	48	845	2840	2888	2538	350
1360	6044	2816	1467	18	45.48	100970	- 973	947	1490	5.60	1030	2520	2520	0	5367	6.51	5640	2824	2816	- 273	19	10.78	182	48	841	2830	2878	2547	331
1320	6629	2671	3790	19	45.39	99580	550	945	1490	5.64	1040	2530	2530	0	7240	6.36	5260	2569	2691	2080	20	10.52	180	47	810	2170	2217	1900	317
1430	4842	2588	3020	20	45.43	100370	- 247	944	1490	5.64	1040	2530	2530	0	4653	5.54	3400	812	2588	1253	21	10.45	181	48	836	538	586	272	314
1400	3609	2551	2534	21	45.48	100970	- 303	947	1490	5.69	1050	2540	2540	0	3317	5.16	2720	167	2551	597	22	10.40	182	48	273	472	520	220	300
1390	3135	2555	2760	22	45.38	99760	610	945	1490	5.64	1040	2530	2530	0	3770	5.13	2670	115	2555	1100	23	10.35	182	48	252	416	464	165	301
1400	2288	2612	2736	23	45.22	97840	968	943	1480	5.60	1020	2500	2500	0	3768	5.17	2730	118	2612	638	24	10.06	182	48	252	416	464	157	307
1380	316	4264	2841	24	45.33	99160	- 666	944	1490	5.63	1030	2520	1656	864	1394	5.17	2730	- 670	3460	- 1336	25	10.20	182	48	250	411	459	59	400
1350	- 2363	8313	1930	25	45.60	102410	- 1639	946	1490	5.67	1040	2530	217	2313	1781	5.32	2990	- 910	6000	- 1209	26	10.25	182	48	253	411	459	- 2541	3000
1330	- 1025	8553	2325	26	45.79	104700	- 1155	945	1490	5.67	1040	2530	0	2530	3945	5.51	3340	- 2685	6025	505	27	10.10	182	48	247	403	451	2574	3025
1000	- 2252	10242	2514	27	45.85	105430	- 368	944	1490	5.67	1040	2530	- 812	3342	5702	5.55	3420	- 3480	6900	1682	28	10.22	182	48	250	411	459	- 2716	3165
1330	- 4425	10955	1213	28	45.87	105670	- 121	945	1490	5.68	1040	2530	- 1525	4055	3879	5.50	3320	- 3580	6900	539	29	10.33	186	51	H.D.	345	396	- 2789	3185
1250	- 3195	9445	1817	29	45.84	105310	182	945	1490	5.66	1030	2520	0	2520	3912	5.34	3020	- 3905	6925	892	30	10.10	H.D.	4	H.D.	47	51	- 3134	3185
1280	- 913	7193	2639	30	46.02	107490	- 1079	944	1490	5.72	1040	2530	804	1726	2651	5.62	3560	- 1907	5467	- 909	31	10.72	183	49	H.D.	1870	1869	- 598	2467
1760	1176	6584	2420	31	46.08	108240	- 378	946	1490	5.68	1030	2520	794	1726	4862	6.57	5790	932	4858	- 928	June 1	10.85	183	49	860	2820	2869	1071	1798
1700	2312	6588	2714	June 1	46.02	107490	378	944	1490	5.69	1030	2520	794	1726	6758	6.63	5950	1088	4862	806	2	10.94	182	48	865	2840	2188	1026	1862
1720	2444	6276	2280	2	46.02	107490	0	944	1490	5.73	1040	2530	804	1726	6190	6.65	6000	1450	4550	190	3	11.08	182	48	876	2900	2949	1725	1224
1680	2730	5950	2335	3	45.99	107110	192	945	1490	5.73	1040	2530	804	1726	6349	6.62	5920	1896	4224	427	4	11.08	183	49	865	2840	2885	2044	844
1510	2940	5570	2396	4	45.92	106270	424	945	1490	5.74	1040	2530	804	1726	6404	6.53	5690	1846	3844	714	5	10.96	182	48	863	2830	2879	2479	400
1430	3596	4884	2428	5	45.90	106030	121	945	1490	5.73	1040	2530	1046	1484	6071	6.52	5660	2260	3400	411	6	10.97	183	49	847	2830	2879	2479	400
1200	3613	4587	2403	6	45.86	105530	242	945	1490	5.72	1030	2520	1333	1187	5922	6.46	5510	2110	3400	412	7	10.78	183	49	842	2810	2864	458	406
1070	3919	4131	2504	7	45.77	104460	550	945	1490	5.68	1020	2510	1739	751	6110	6.48	5560	2160	3400	550	8	10.72	182	48	840	2800	2849	2449	400
1000	3747	4233	2359	8	45.66	103140	666	946	1490	5.69	1020	2510	1657	853	6156	6.52	5660	2260	3400	496	9	10.72	183	49	840	2800	2849	2449	400
1130	3553	4577	2486	9	45.63	102780	182	946	1490	5.73	1030	2520	1343	1177	5792	6.52	5660	2260	3400	132	10	10.74	183	49	842	2810	2864	2464	400
1340	3375	4965	2575	10	45.56	101930	429	946	1490	5.73	1030	2520	955	1565	6249	6.50	5610	2210	3400	639	11	10.66	182	48	834	2780	2828	2428	400
1340	2968	5372	2286	11	45.52	101450	242	945	1490	5.73	1020	2510	784	1726	6072	6.52	5660	2014	3646	412	12	10.68	183	49	838	2790	2838	2438	400
1410	2872	5538	2538	12	45.52	101450	0	938	1470	5.73	1020	2490	764	1726	5920	6.48	5560	1748	3912	360	13	10.62	182	48	823	2710	2758	2358	400
1340	3011	5529	2512	13	45.46	100730	363	927	1440	5.74	1020	2460	734	1726	6443	6.51	5640	1837	3803	803	14	10.62	183	49	811	2680	2729	2329	400
1340	3568	4772	2646	14	45.44	100490	121	912	1400	5.73	1020	2420	1048	1372	6041	6.50	5610	2210	3400	431	15	10.55	183	49	817	2690	2739	2339	400
1480	3993	4487	2458	15	45.52	101450	- 484	892	1350	5.75	1020	2370	1283	1087	5626	6.48	5560	2160	3400	66	16	10.60	182	48	827	2740	2789	2389	400
1360	4993	3867	2760	16	45.60	102410	- 484	872	1300	5.67	1010	2290	1030	467	6079	6.50	5610	2210	3400	469	17	10.76	183	49	836	2790	2839	2439	400
1620	5625	2995	2738	17	45.66	103140	- 368	850	1250	5.63	982	2232	2232	0	6020	6.50	5610	2615	2795	410	18	10.82	183	49	849	2840	2889	2489	400
1720	6172	2548	2615	18	45.70	103620	- 242	852	1250	5.68	997	2247	2247	0	6231	6.50	5610	3062	2543	821	19	10.86	184	49	852	2870	2919	2519	400
1720	6192	2528	2586	19	45.64	102900	363	850	1250	5.65	985	2235	2235	0	6040	6.40	5610	3062	2526	1236	20	10.64	183	49	844	2840	2889	2489	400
1340	5751	2589	2757	20	45.70	103620	- 363	849	1240	5.63	977	2217	2217	0	5780	6.51	5640	3051	2589	120	21	10.94	183	49	870	2930	2979	2579	400
1200	5789	2411	2699	21	45.74	104100	- 242	850	1250	5.68	991	2241	2241	0	5717	6.46	5510	3099	2411	207	22	11.01	183	49	847	2830	2879	2479	400
1300	5953	2347	2656	22	45.76	104340	- 121	852	1250	5.74	1010	2260	2260	0	5919	6.59	5740	2993	2341	579	23	10.94	186	51	842	2810	2864	458	406
1300	5860	2440	2705	23	45.80	104820	- 242	865	1280	5.75	1010	2290	2290	0	5768	6.35	5240	2800	2440	528	24	10.87	183	49	804	2680	2729	2329	400

ALL DISCHARGE QUANTITIES ARE GIVEN IN SECOND

PLATE NO VIII

LEY	N.S.T.F.CAN		P.R.+N.S.T.F.CANALS			S.S.T.F.CANAL			MIL. LOW LIFT CAN.				MIL THEO. BAL.	MILNER				MIN MIL LOSS
STU	GAGE	DISCH	TOTAL	STD.	NOR.	GAGE	DISCH	STD	NOR	GAGE	DISCH	STD	NOR		GAGE	DISCH	STD	NOR	
	8.61	2970	3025	- 125	3150	10.38	3560	560	3000	2.90	103	103	0	- 168	1.88	25	25	0	
	8.51	2910	2965	- 124	3089	9.96	3300	300	3000	H.D.	95	95	0	80	1.86	24	24	0	213
	8.44	2880	2934	- 251	3185	9.74	3170	- 223	3393	2.87	102	102	0	4	1.81	22	22	0	- 56
	8.57	2900	2954	- 231	3185	10.10	3390	128	3192	2.90	103	103	0	- 107	1.77	20	20	0	18
	8.60	2900	2954	- 46	3000	10.26	3420	420	3000	2.91	104	104	0	- 128	1.72	19	19	0	127
	8.43	2810	2864	- 136	3000	9.73	3160	160	3000	2.91	104	104	0	162	1.67	17	17	0	147
	8.42	2810	2864	- 275	3139	9.52	3030	30	3000	2.91	104	104	0	- 98	1.67	17	17	0	- 145
	8.39	2790	2844	- 341	3185	9.54	3040	- 266	3306	H.D.	93	93	0	- 287	1.67	17	17	0	115
	8.44	2820	2873	- 127	3000	9.56	3040	40	3000	2.91	104	104	0	- 197	1.62	15	15	0	304
	8.49	2840	2894	457	2437	9.54	3030	30	3000	2.93	104	104	0	- 158	1.66	16	16	0	212
	8.47	2830	2879	1234	1645	9.47	2990	- 10	3000	2.92	104	104	0	- 103	1.67	16	16	0	174
	8.50	2850	2895	1993	902	9.45	2970	- 30	3000	2.90	103	103	0	- 178	1.68	17	17	0	119
	8.45	2820	2868	2468	400	9.44	2960	- 40	3000	2.90	103	103	0	- 141	1.65	16	16	0	195
	8.47	2830	2878	2478	400	9.44	2950	- 50	3000	2.91	104	104	0	- 112	1.65	16	16	0	157
	8.30	2750	2798	2398	400	9.44	2950	- 50	3000	2.90	103	103	0	- 81	1.64	15	15	0	128
	8.48	2840	2888	2530	358	9.44	2940	254	2686	2.89	102	102	0	70	1.64	15	15	0	96
	8.47	2830	2878	2547	331	9.17	2780	295	2485	2.90	103	103	0	- 121	1.64	15	15	0	- 55
	H.D.	2170	2217	1900	317	8.75	2550	176	2374	2.89	102	102	0	391	1.63	15	15	0	136
	2.96	538	586	282	304	8.73	2540	256	2284	2.89	102	102	0	172	1.60	14	14	0	- 376
	2.73	472	520	220	300	8.74	2550	299	2251	2.88	102	102	0	- 452	1.55	13	13	0	- 158
	2.52	416	464	163	301	8.75	2550	296	2254	2.87	102	102	0	- 446	1.52	12	12	0	465
	2.52	416	464	157	307	8.73	2540	235	2305	2.87	102	102	0	- 376	1.52	12	12	0	458
	2.50	411	459	59	400	8.83	2600	- 400	3000	2.87	102	102	0	- 431	1.52	12	12	0	388
	2.5[illegible]	411	459	- 2541	3000	9.57	2990	- 10	3000	2.88	102	102	0	- 561	1.52	12	12	0	443
	2.47	403	451	- 2574	3025	9.52	2980	- 20	3000	2.89	102	102	0	- 193	1.50	12	12	0	573
	2.50	411	459	- 2726	3185	9.57	3010	- 590	3600	2.86	102	- 1	103	- 151	1.49	12	0	12	205
	H.D.	345	396	- 2789	3185	9.56	3000	- 600	3600	2.84	100	- 3	103	- 176	1.49	12	0	12	163
	H.D.	47	51	- 3134	3185	9.54	2990	- 610	3600	2.83	100	- 3	103	- 121	2.22	43	6	37	164
	H.D.	1820	1869	- 5[illegible]8	2467	9.58	3020	20	3000	2.83	100	100	0	- 1429	1.52	12	12	0	1441
	8.60	2820	2869	1011	1858	9.55	3000	0	3000	2.85	100	100	0	- 179	1.53	13	13	0	192
	8.65	2840	2888	1026	1862	9.55	3000	0	3000	2.85	100	100	0	- 36	1.55	13	13	0	51
	8.76	2900	2948	1398	1550	9.54	2990	- 10	3000	2.67	88	88	0	- 26	1.74	19	19	0	45
	8.75	2900	2949	1725	1224	9.56	3000	0	3000	2.63	86	86	0	- 115	1.84	22	22	0	137
	8.65	2840	2888	2044	844	9.55	3000	0	3000	2.63	86	86	0	- 284	1.59	14	14	0	298
	8.63	2830	2879	2479	400	9.54	2990	- 10	3000	2.64	86	86	0	- 295	1.57	14	14	0	309
	8.47	2830	2879	2479	400	9.55	3000	0	3000	2.63	86	86	0	- 455	1.55	13	13	0	468
	8.42	2810	2858	2458	400	9.54	2990	- 10	3000	2.63	86	86	0	- 374	1.53	13	13	0	387
	8.40	2800	2849	2449	400	9.55	3000	0	3000	2.63	86	86	0	- 275	1.52	12	12	0	287
	8.40	2800	2849	2449	400	9.55	3000	0	3000	2.64	86	86	0	- 275	1.50	12	12	0	287
	8.32	2760	2808	2408	400	9.55	3000	0	3000	2.63	86	86	0	- 284	1.46	11	11	0	295
	8.34	2770	2819	2173	646	9.55	3000	0	3000	2.58	83	83	0	- 242	1.46	11	11	0	253
	8.23	2710	2758	1946	812	9.56	3000	0	3000	2.50	79	79	0	- 277	1.48	11	11	0	286
	8.17	2680	2729	1926	803	9.55	3000	0	3000	2.45	76	76	0	- 165	1.48	11	11	0	176
	8.12	2650	2699	2299	400	9.55	3000	0	3000	2.05	57	57	0	- 146	1.46	11	11	0	157
	8.17	2680	2729	2329	400	9.57	3010	10	3000	1.95	52	52	0	- 230	1.48	11	11	0	241
	8.20	2700	2749	2349	400	9.55	3000	0	3000	2.08	58	58	0	- 197	1.48	11	11	0	208
	8.09	2640	2689	2337	352	9.55	3000	357	2643	2.05	57	57	0	- 136	1.48	11	11	0	147
	8.02	2600	2649	2349	300	9.54	2990	742	2248	2.20	64	64	0	- 93	1.48	11	11	0	104
	8.07	2630	2679	2382	297	9.56	3000	769	2231	H.D.	32	32	0	- 101	1.48	11	11	0	112
	8.15	2670	2719	2414	305	9.56	3000	716	2284	2.00	54	54	0	- 133	1.56	13	13	0	146
	8.15	2670	2719	2[illegible]35	284	9.54	2990	863	2127	H.D.	57	57	0	- 256	1.60	14	14	0	270
	8.10	2640	2691	2[illegible]15	276	9.56	3000	929	2071	H.D.	35	35	0	- 386	1.52	12	12	0	378
	8.04	2580	2629	2[illegible]43	287	9.55	3000	847	2153	2.13	60	60	0	- 449	1.51	12	12	0	461

ITIES ARE GIVEN IN SECOND FEET UNLESS OTHERWISE NOTED AT TOP OF COLUMN

1926 DISTRIBUTION WATER DISTRICT NO 36

DATE	JACKSON LAKE			MORAN				TWIN LAKES		DATE	HEISE						MORAN-HEISE				LORENZO		H-L		REXBURG	
1926	GAGE	CHAN. FT	DRAFT FT	GAGE	DISCH	STD	NOR	DISCH	MORAN	1926	GAGE	DISCH	+RILEY	STD	T.LK	NOR	TOT GN	L STD	L TL	GN NOR	STD	T LK	L STD	L TL	GAGE	DISCH
JUN 20	5.44	606480	4300	4.70	3680	2163	1512	53	3733	21	4.24	9640	9653	2114	51	7488	5920	54	2	5976	1965	47	149	4	2.67	805
21	5.22	605720	5240	4.97	4080	2652	1428	48	4128	22	4.29	9640	9656	2586	47	7023	5525	66	1	5595	2388	43	198	4	2.75	858
22	5.80	595730	9990	H.D.	6750	5037	1713	46	6796	23	4.68	10870	10885	4911	45	5929	4089	126	1	4216	4591	42	320	3	2.81	796
23	5.70	581490	14240	7.52	8900	7179	1721	46	8946	24	5.28	12900	12911	7000	44	5867	3965	179	2	4146	6651	42	349	2	2.67	726
24	5.56	566850	14640	7.65	9190	7381	1809	46	9236	25	5.44	13510	13520	7196	45	6279	4284	185	1	4470	6929	43	261	2	2.58	678
25	5.96	552250	14600	7.65	9190	7361	1829	46	9236	26	5.46	13590	13600	7177	45	6378	4364	184	1	4549	6962	44	215	1	2.47	636
26	5.84	537750	14500	7.67	9230	7310	1920	45	9275	27	5.45	13550	13563	7127	44	6372	4288	183	1	4472	6913	43	214	1	2.83	805
27	5.70	522820	14930	7.73	9500	7527	1973	44	9544	28	5.50	13740	13757	7339	43	6375	4213	188	1	4402	7119	42	220	1	2.89	842
28	5.54	507480	15340	7.83	9590	7734	1856	42	9652	29	5.53	13860	13876	7541	41	6224	4244	193	1	4438	7315	40	226	1	2.84	821
29	5.37	492010	15470	7.83	9590	7799	1791	39	9627	30	5.51	13780	13796	7604	38	6154	4167	195	1	4363	7376	37	228	1	2.90	852
30	5.18	476430	15580	7.46	8820	6847	1973	34	8854	JUL 1	5.45	13550	13566	6676	33	6857	4712	171	1	4884	6476	32	200	1	3.00	912
JUL 1	5.25	466280	12150	7.03	7850	6126	1724	30	7880	2	5.27	12640	12655	3973	29	6653	4775	153	1	4929	5794	28	179	1	3.05	943
2	5.21	453960	12320	7.01	7810	6211	1599	28	7838	3	5.11	12260	12275	6056	27	6197	1437	155	1	4593	5874	26	182	1	3.05	943
3	5.17	441680	12280	7.00	7790	6191	1599	25	7815	4	5.10	12220	12233	6036	24	6173	4418	155	1	4574	5855	23	181	1	3.10	979
4	5.16	429020	12660	7.01	7810	6384	1426	20	7830	5	5.07	12110	12121	6224	20	5877	4291	160	0	4451	6037	19	187	1	3.09	973
5	5.06	416610	12410	6.88	7540	6257	1283	20	7560	6	4.98	11780	11791	6101	19	5671	4231	156	1	4388	5918	18	183	1	3.12	1000
6	5.05	404300	12310	6.82	7410	6205	1205	20	7430	7	4.93	11600	11615	6050	20	5545	4185	155	0	4340	5868	19	182	1	3.03	951
7	5.05	394020	10280	6.83	7430	5183	2247	20	7450	8	4.98	11780	11801	5053	19	6729	4351	130	1	4482	4901	15	132	1	3.21	1064
8	4.96	384260	9760	6.73	7230	4921	2309	20	7250	9	4.98	11780	11785	4738	20	6967	4535	123	0	4658	4654	19	144	1	3.30	1120
9	4.91	373850	10410	6.52	6810	5248	1562	20	6830	10	4.90	11480	11500	5117	19	6364	4670	131	1	4802	4963	18	154	1	3.16	1048
10	4.86	353290	10560	6.43	6630	5324	1306	20	6650	11	4.75	10940	10964	5191	20	5753	4314	133	0	4447	5035	19	156	1	3.09	1013
11	4.81	342550	10740	6.42	6610	5415	1195	17	6627	12	4.70	10760	10777	5280	16	5481	4150	135	1	4286	5122	16	158	0	2.68	760
12	4.76	331660	10890	6.40	6570	5490	1080	15	6585	13	4.66	10620	10630	5353	15	5262	4045	137	0	4182	5192	15	161	0	2.62	705
13	4.79	331240	10420	6.39	6550	5253	1297	15	6565	14	4.62	10480	10493	5122	15	5356	3928	131	0	4059	4968	15	154	0	2.65	691
14	4.70	320680	10560	6.39	6550	5324	1226	15	6565	15	4.62	10480	10492	5191	15	5286	3927	133	0	4060	5035	15	156	0	2.73	810
15	4.62	309950	10730	6.39	6550	5410	1140	15	6565	16	4.56	10260	10273	5275	15	4983	3708	135	0	3843	5117	15	158	0	2.78	844
16	4.56	298870	11080	6.42	6610	5586	1024	13	6623	17	4.54	10200	10212	5446	13	4753	3589	140	0	3729	5283	15	163	0	2.71	811
17	4.51	287630	11240	6.43	6630	5667	963	12	6642	18	4.53	10160	10175	5525	12	4638	3523	142	0	3675	5359	12	166	0	2.71	811
18	4.46	276700	10930	6.43	6630	5511	1119	12	6642	19	4.57	10300	10322	5373	12	4937	3680	138	0	3818	5212	12	161	0	2.82	872
19	4.44	266440	10260	6.38	6530	5173	1357	11	6541	20	4.58	10340	10363	5044	11	5308	3822	129	0	3951	4893	11	151	0	2.93	935
20	4.36	255440	11000	6.40	6570	5546	1024	10	6580	21	4.51	10070	10111	5407	10	4694	3531	139	0	3670	5245	10	162	0	2.90	923
21	4.30	244070	11320	6.40	6570	5732	838	10	6580	22	4.47	9950	9971	5589	10	4372	3391	143	0	3534	5421	10	168	0	2.74	853
22	4.25	232840	11230	6.32	6420	5662	758	10	6430	23	4.43	9810	9831	5520	10	4301	3401	142	0	3543	5354	10	166	0	2.87	900
23	4.19	222030	10810	6.19	6170	5450	720	10	6180	24	4.35	9540	9560	5314	9	4237	3360	136	1	3517	5127	9	181	0	2.90	923
24	4.14	211380	10650	6.13	6060	5369	691	8	6068	25	4.32	9440	9458	5235	8	4215	3390	134	0	3524	5063	8	172	0	2.87	900
25	4.09	200750	10630	6.12	6040	5359	681	7	6047	26	4.29	9340	9357	5225	7	4125	3310	134	0	3444	5068	7	157	0	2.88	916
26	4.03	190050	10700	6.12	6040	5395	645	0		27	4.27	9270	9287	5260	0	4027	3247	135	0	3382	5093	0	167	0	2.98	966
27	3.98	179410	10640	6.11	6020	5364	656			28	4.30	9370	9387	5230		4157	3367	134		3501	5032		198		3.01	988
28	3.93	168880	10530	6.12	6040	5309	731			29	4.32	9440	9456	5176		4280	3416	133		3549	5021		155		2.91	926
29	3.85	158240	10640	6.12	6040	5364	676			30	4.29	9340	9356	5230		4126	3316	134		3450	5073		157		2.92	934
30	3.82	147690	10550	6.11	6020	5319	701			31	4.23	9130	9147	5186		3961	3127	133		3260	5030		156		2.91	926
31	3.76	137630	10060	3.92	5680	5072	608			AUG 1	4.18	8970	8987	4945		4042	3307	127		3434	4791		154		2.97	963
AUG 1	3.71	127820	9810	3.82	5500	4946	554			2	4.08	8640	8654	4922		3852	3154	124		3278	4674		148		3.04	1000
2	3.67	121060	6740	5.18	4420	3398	1022			3	4.00	8360	8375	3313		5082	3975	85		4060	3194		119		3.02	992
3	3.65	116420	4760	4.12	2870	2248	642			4	3.59	7100	7110	2192		4918	4220	56		4276	2126		66		2.97	963
4	3.63	113270	3350	3.91	2610	1689	921			5	3.35	6390	6395	1647		4748	3765	42		3927	1586		59		2.95	951
5	3.61	109370	3900	3.91	2610	1966	644			6	3.27	6160	6164	1917		4247	3554	49		3603	1773		144		3.03	994
6	3.59	105300	4070	3.92	2630	2052	578			7	3.20	6130	6134	2001		4133	3504	51		3535	1638		163		3.00	975
7	3.57	101450	3850	3.93	2640	1941	699			8	3.30	6240	6251	1892		4359	3611	49		3680	1758		134		2.94	898
8	3.53	97780	3670	3.94	2650	1850	800			9	3.37	6450	6461	1804		4657	3811	46		3857	1708		96		2.94	1058
9	3.51	93750	4030	3.92	2630	2032	598			10	3.36	6420	6431	1921		4450	3801	51		3852	1894		87		2.92	1052
10	3.49	89720	4030	3.91	2610	2032	578			11	3.33	6300	6310	1791		4329	3700	51		3751	1666		113		2.98	1031
11	3.47	86270	3450	3.91	2610	1759	871			12	3.30	6240	6250	1696		4554	3640	43		3683	1506		110		3.12	1058

DAILY SUMMARY OF DATA AT AND BETWEEN SNAKE

KEYBURG		HEISE + RILEY + KEYBURG	DATE	DIV HEISE-WOOD			WOOD THEO. BAL.	WOODVILLE				LOW WOOD	HEISE-WOODVILLE				DIV WOOD-BLACK			BLACK THEO. BAL.	BLACKFOOT BRIDGE			WOOD-BLACK			
GAGE	DISCH		1926	TOTAL	STD	NOR.		GAGE	DISCH	STD	NOR.	L STD	L.T.L.	TOTAL	L STD.	L.T.L	ON NOR	TOTAL	STD.	NOR.		DISCH	STD	NOR.	L STD	ON NOR	
2.87	805	10458	JUN 22	3348	-3594	6942	7110	7.36	7390	5596	1794	10	0	280	137	4	443	1120	-2300	3420	6270	6010	7422	-1412	-	-
2.95	852	10508	23	3388	-3345	6733	7120	7.43	7640	5764	1876	12	0	520	210	4	734	1118	-1656	2774	6522	6070	6975	-905	-	-
2.83	790	11675	24	4403	-2312	6715	7272	7.69	8550	6922	1628	23	0	1278	343	3	1624	1150	-795	1945	7400	7060	7254	-194	-	-
2.69	726	13637	25	5908	-726	6634	7329	7.90	9310	7386	1924	33	0	1581	382	2	1965	1147	-606	1753	8163	7440	7512	-72	-	-
2.58	678	14198	26	6868	345	6523	7330	7.71	8630	6592	2038	35	1	1300	302	3	1605	1437	72	1365	7193	6450	6129	321	-	-
2.49	636	14236	27	6764	410	6554	7272	7.70	8590	6561	2029	35	0	1318	250	1	1569	2072	954	1118	6518	6050	5271	779	-	-
2.83	805	14368	28	7076	527	6549	7292	7.73	8700	6395	2305	34	0	1408	248	1	1657	2286	1153	1133	6414	5880	4927	953	-	-
2.89	842	4599	29	7113	546	6567	7486	7.76	8810	6578	2232	36	1	1324	256	2	1582	2728	1253	1475	6082	4650	5006	644	-	-
2.84	821	14697	30	7079	525	6554	7618	7.73	8880	6793	2087	37	0	1262	263	1	1526	3026	1277	1749	5854	5320	3185	335	-	-
2.90	852	14648	JUL 1	6407	- 82	6489	8181	7.91	9350	7458	1892	37	0	1169	265	1	1435	3026	239	1794	6324	5983	5892	128	-	-
3.00	912	14478	2	5351	-1182	6563	9097	8.00	9670	7658	2012	32	0	573	232	1	806	3011	1259	1782	6669	6180	6043	137	-	-
3.05	945	13600	3	4997	-1530	6527	8603	7.99	9630	7322	2306	39	1	1027	208	2	1237	3014	1233	1781	6616	6140	5733	407	-	-
3.05	945	13220	4	4800	-1639	6439	8420	7.94	9450	7510	1940	39	0	1030	211	1	1242	2630	1226	1404	6820	6350	5907	443	-	-
3.10	979	13212	5	4793	-1695	6448	8459	7.95	9490	7544	1946	39	0	1031	210	1	1242	2112	936	1176	7378	6925	6212	708	-	-
3.09	979	13100	6	4573	- 857	6430	7527	7.82	9020	6983	2137	30	0	1493	217	1	1711	1137	- 66	1203	7883	7605	6532	1068	-	-
3.12	1000	12791	7	6235	- 226	6461	6556	7.60	8230	6132	2098	30	0	1674	213	1	1858	686	-506	1194	7342	7110	6240	870	-	-
3.03	951	12566	8	6340	- 47	6387	6226	7.42	7600	5905	1695	29	0	1374	211	1	1586	682	-1103	1785	6918	6490	6588	- 98	-	-
3.21	1060	12561	9	6575	186	6389	6286	7.48	7810	4707	3103	25	1	1524	177	2	1703	701	-1105	1806	7109	6800	5463	1337	-	-
3.30	1120	12905	10	6740	254	6492	6159	7.43	7810	4396	3414	23	0	1651	167	1	1819	241	- 866	1807	6567	6330	4946	1384	-	-
3.16	1040	12540	11	6535	-102	6637	6005	7.40	7530	5058	2472	25	0	1525	179	1	1703	1237	-1330	3067	6293	5740	6475	- 735	-	-
2.89	890	11854	12	6469	23	6446	5385	7.19	6810	5006	1804	25	0	1425	181	1	1607	1356	-1257	2613	5464	4970	5887	- 917	-	-
2.68	780	11557	13	6613	121	6492	4944	7.01	6200	4991	1209	26	0	1256	184	0	1440	1390	- 407	1797	4810	4430	5054	- 624	-	-
2.52	706	11336	14	6636	295	6391	4650	6.89	5820	4886	934	26	0	1170	187	0	1357	1488	- 264	1752	4332	3920	4841	- 921	-	-
2.45	673	11166	15	6765	365	6400	4401	6.80	5540	4593	947	25	0	1139	179	0	1318	1311	155	1156	4229	3810	4172	- 362	-	-
2.59	745	11237	16	6758	614	6144	4479	6.75	5390	4411	979	25	0	911	181	0	1092	1797	660	1137	3593	3010	3526	- 516	-	-
2.73	816	11089	17	6730	1127	5651	4309	6.70	5240	3977	1263	26	0	931	184	0	1115	2070	972	1098	3170	2710	2825	- 115	-	-
2.78	847	11059	18	6836	1488	5368	4203	6.65	5100	3782	1318	26	0	897	189	0	1086	1770	693	1077	3330	2990	2904	86	-	-
2.71	810	10985	19	6552	1346	5206	4433	661	4960	3798	982	27	0	547	193	0	740	1832	722	1110	3148	2800	3079	- 279	-	-
2.82	874	11196	20	6249	1166	5083	4947	6.73	5330	4032	1298	26	0	383	187	0	570	2009	901	1108	3321	3000	2943	57	-	-
2.93	934	11297	21	5946	836	5110	3351	6.85	5700	4044	1656	24	0	349	175	0	524	2067	951	1116	3633	3280	2907	373	-	-
2.90	923	11034	22	6263	1190	5073	4771	6.84	5660	4039	1621	26	0	839	189	0	1077	2068	1020	1048	3592	3300	2838	462	-	-
2.74	836	10807	23	6436	1366	5070	4371	6.72	5300	4038	1262	27	0	929	195	0	1124	2015	1002	1013	3285	3020	2854	166	-	-
2.87	906	10737	24	6280	1267	5013	4457	6.68	5180	4070	1110	27	0	723	193	0	916	1775	826	949	3405	3130	3049	81	-	-
2.90	923	10483	25	6305	1274	5031	4178	6.62	5010	3836	1174	26	0	832	213	0	1045	1459	571	918	3527	3190	3069	121	-	-
2.87	906	10364	26	6430	1526	4904	3934	6.57	4870	3520	1350	25	0	936	197	0	1133	1029	460	569	3641	3420	2876	544	-	-
2.88	912	10269	27	6547	1638	4909	3722	6.50	4670	3412	1258	23	0	948	182	0	1130	1045	406	639	3625	3200	2826	374	-	-
2.98	968	10255	28	6742	1778	4964	3513	6.38	4350	3289	1061	26		837	193		1030	1113	96	1017	3237	2860	3001	- 141	-	-
3.01	985	10372	29	6863	1872	4991	3509	6.34	4240	3135	1105	25		731	223		954	1101	71	1024	3139	2840	2875	- 35	-	-
2.91	928	10384	30	6842	1835	5007	3542	6.35	4270	3161	1109	23		728	180		908	1061	38	1023	3209	2940	2936	4	-	-
2.92	934	10290	31	6470	1441	5029	3820	6.36	4300	3607	693	25		480	182		662	1039	375	664	3261	2740	3038	- 98	-	-
2.91	928	10075	AUG 1	6240	1169	5071	3835	642	4150	3836	614	25		615	181		796	1048	381	667	3402	3000	3248	- 248	-	-
2.97	962	9949	2	5063	880	4983	4086	6.51	4700	3887	813	24		614	178		792	1652	991	661	3048	2620	2722	- 102	-	-
3.04	1000	9654	3	5838	742	5096	3816	6.52	4730	3909	821	23		914	171		1085	1950	936	1014	2780	2440	2795	- 355	-	-
3.02	991	9386	4	5258	383	4875	4128	6.48	4620	2795	1825	16		492	135		627	1658	634	1024	2962	2690	2031	659	-	-
2.97	962	8072	5	5099	- 428	5527	2973	6.20	3890	2543	1347	11		917	77		994	1491	409	1082	2599	2130	2006	124	-	-
2.95	951	7346	6	5179	- 666	5845	2167	5.86	3150	2246	904	8		983	67		1050	1514	377	1137	1636	1360	1747	- 387	-	-
2.83	884	7048	7	5146	526	4620	1902	5.62	2700	1238	1462	9		798	153		951	1727	653	1074	973	828	550	278	-	-
2.90	923	7057	8	5036	309	4747	2001	5.55	2580	1320	1060	9		579	172		751	1641	649	992	939	708	819	- 111	-	-
2.84	890	7147	9	5090	216	4874	2051	5.61	2680	1533	1147	9		629	143		772	2027	1035	992	653	423	468	- 45	-	-
3.04	1000	7461	10	5172	655	4517	2269	5.76	2950	1044	1906	9		601	105		766	1700	866	834	1250	908	167	* 741	-	-
3.12	1050	7481	11	5155	651	4504	2326	5.85	3130	1234	1896	9		804	96		900	1020	45	975	2110	1710	1118	592	-	-
3.08	1030	7340	12	5209	614	4595	2131	5.88	3190	1245	1945	9		1057	122		1181	1082	1	1081	2108	1650	1169	481	-	-
3.12	1050	7300	13	5197	432	4765	2103	5.83	3090	1146	1944	8		987	118		1105	1170	1	1169	1920	1510	1076	434	-	-

* MILNER LOW LIFT [illegible]

VEEN SNAKE RIVER GAGING STATIONS FROM JACKSON LAKE WYOMING TO MILNER

WOOD-BLACK			CUM. LOSS STD.	CORR APP. STD.	SMITH MRA. CHN	MOBT THEO BAL.	ROBERTSON				BLACK MOBT GAIN
TON	L. STD	VEN NOR.					GAGE	DISCH.	STD	NOR.	
260	474	214	6837	-1412	22						
452	445	- 7	7742	- 905	22						
340	463	123	7936	- 194	21						
723	480	- 243	8008	- 72	18						
743	391	- 352	7687	321	16						
460	336	- 132	6908	779	16						
534	315	- 219	5953	953	15						
432	319	- 113	5311	644	14						
334	331	- 3	4976	335	13						
344	374	30	4848	128	14						
479	386	- 93	4711	137	14						
476	366	- 110	4304	407	13						
470	377	- 93	3861	443	16						
458	396	- 62	3153	708	16						
283	417	134	2085	1068	16						
432	398	- 34	1215	870	16						
428	420	- 8	1313	- 98	16						
309	349	40	- 24	1337	16						
539	316	- 223	-1405	1384	16						
553	413	- 140	- 673	- 735	13						
484	376	- 108	244	- 917	10						
360	324	- 36	868	- 624	5						
412	309	- 103	1789	- 921	4						
419	266	- 153	2151	- 362	2						
383	225	- 358	2667	- 516	2						
460	180	- 280	2782	- 115	0						
340	185	- 155	2696	86	2						
348	197	- 151	2975	- 279	3						
321	188	- 133	2916	57	1						
353	186	- 167	2545	373	0						
372	181	- 111	2083	462	0						
265	182	- 83	1917	166	0						
275	195	- 80	1836	81	0						
331	196	- 135	1715	121	0						
401	164	- 237	1171	544	0						
425	180	- 245	797	374	0	3200	5.67	2940	3200	- 260	- 260
377	192	- 185	938	- 141	0	2860	5.45	2670	2860	- 190	- 190
299	183	- 116	973	- 35	0	2840	5.45	2630	2840	- 210	- 210
269	187	- 82	969	4	0	2940	5.53	2740	2940	- 200	- 200
141	194	- 127	1067	- 98	0	2940	5.53	2740	2940	- 200	- 200
402	207	- 195	1315	- 248	0	3000	5.64	2900	3000	- 100	- 100
328	174	- 254	1417	- 102	0	2620	5.28	2400	2620	- 220	- 220
340	178	- 162	1772	- 355	0	2440	5.23	2340	2440	- 100	- 100
272	130	- 142	1113	659	0	2690	5.37	2520	2690	- 170	- 170
269	128	- 141	989	124	0	2130	4.98	2030	2130	- 100	- 100
276	112	- 164	1386	- 397	0	1360	4.27	1270	1360	- 90	- 90
141	35	- 110	1108	278	0	828	3.54	702	828	- 126	- 126
231	52	- 179	1219	- 111	0	708	3.33	571	708	- 137	- 137
230	30	- 200	1264	- 45	0	423	2.82	317	423	- 106	- 106
342	11	- 331	541	717	0	908	3.74	843	908	- 65	- 65
100	71	- 329	- 21	568	0	1710	4.68	1680	1710	- 30	- 30
198	75	- 383	-476	457	0	1630	4.63	1620	1650	- 30	- 30
110	69	- 341	- 888	410	0	1510	4.41	1460	1510	- 50	- 50

* LOW LIFT IRRIGATION DISTRICT CREDITED WITH 24 SECOND

BLACKFOOT RIVER				BB-C THEO BAL.	K-C THEO BAL.	CLOUGHS				BB-C GAIN	MOBT CLOUGH GAIN
GAGE	DISCH	STD	NOR.			GAGE	DISCH	STD	NOR.		
4.47	8		8	5936		5.58	5920	6010	- 90	- 76	
4.60	13		13	6061		5.62	6020	6070	- 50	- 41	
4.47	8		8	7047		5.97	6940	7060	- 120	- 107	
4.28	2		2	7424		6.10	7290	7440	- 150	- 134	
4.28	2		2	6436		5.76	6380	6450	- 70	- 56	
4.26	2		2	6036		5.60	5980	6050	- 70	- 56	
4.23	2		2	5567		5.53	5800	5880	- 80	- 67	
4.18	1		1	5637		5.46	5630	5650	- 20	- 7	
4.84	27		27	5534		5.42	5530	5520	10	- 4	
4.27	2		2	5968		5.56	5880	5980	- 100	- 88	
4.40	5		5	6171		5.66	6120	6180	- 60	- 51	
4.67	16		16	6141		5.64	6080	6140	- 60	- 61	
4.63	14		14	6348		5.72	6280	6350	- 70	- 68	
4.36	4		4	6908		5.93	6830	6920	- 90	- 78	
4.26	2		2	7586		6.14	7410	7600	- 190	- 176	
4.19	1		1	7095		6.00	7020	7110	- 90	- 75	
4.19	1		1	6475		5.78	6440	6490	- 50	- 35	
4.21	1		1	6785		5.88	6700	6800	- 100	- 85	
4.21	1		1	6315		5.74	6330	6330	0	15	
4.19	1		1	5728		5.48	5680	5740	- 60	- 48	
4.24	2		2	4962		5.20	5010	4970	40	40	
4.17	1		1	4446		4.96	4170	4450	20	24	
4.24	2		2	3918		4.74	4000	3920	60	82	
4.10	0		0	3808		4.67	3850	3810	40	42	
DRY	0		0	3008		4.25	2980	3010	- 30	- 28	
DRY	0		0	2710		4.11	2730	2710	20	20	
DRY	0		0	2988		4.21	2910	2990	- 80	- 78	
DRY	0		0	2797		4.08	2680	2800	- 120	- 117	
DRY	0		0	2979		4.20	2890	3000	- 110	- 101	
DRY	0		0	3280		4.34	3150	3280	- 130	- 130	
DRY	0		0	3300		4.36	3180	3300	- 120	- 120	
DRY	0		0	3020		4.22	2930	3020	- 90	- 90	
DRY	0		0	3130		4.29	3050	3130	- 80	- 80	
H.D	0		0	3190		4.31	3090	3190	- 100	- 100	
H.D	0		0	3420		4.46	3410	3420	- 10	- 10	
H.D	1		1	3201	2941	4.34	3150	3200	- 50	- 51	209
H.D	1		1	2861	2671	4.17	2840	2860	- 20	- 21	169
H.D	0		0	2840	2630	4.14	2780	2840	- 60	- 60	150
H.D	1		1	2941	2741	4.21	2910	2940	- 30	- 31	169
H.D	26	26	0	2966	2766	4.24	2960	2966	- 6	- 6	194
5.87	183	183	0	3183	3083	4.37	3200	3183	17	17	117
6.11	227	227	0	2847	2627	4.16	2820	2847	- 27	- 27	193
6.06	217	217	0	2657	2537	4.10	2710	2657	53	53	153
5.71	148	148	0	2838	2668	4.16	2820	2838	- 18	- 18	152
5.57	121	121	0	2251	2151	3.96	2310	2251	59	59	159
6.20	245	245	0	1605	1515	3.46	1710	1605	105	105	195
6.34	275	275	0	1103	977	3.06	1210	1103	107	107	233
5.82	313	313	0	1021	881	2.92	1050	1021	29	29	166
6.92	415	415	0	830	732	2.77	900	838	62	62	168
7.44	514	514	0	1422	1357	3.22	1400	1422	- 22	- 22	43
7.73	577	577	0	2287	2257	3.85	2290	2287	3	3	33
6.35	277	277	0	1927	1897	3.68	2030	1927	103	103	133
6.08	221	221	0	1731	1601	3.56	1850	1731	119	119	169

AUG 10 TO SEPT. 14.

IDAHO

DATE 1926	AMERICA GAGE	AMERICA CAPAC	
JUNE 23	0.59	23100	
24	0.66	23930	
25	0.90	25310	
26	0.97	26590	
27	0.18	27490	
28	0.12	27820	
29	0.23	27900	
30	0.20	27650	
JULY 1	0.17	27410	
2	0.21	27730	
3	0.27	28220	
4	0.36	28960	
5	0.56	30590	
6	0.86	33040	
7	0.19	33930	
8	0.48	38600	
9	0.69	40530	
10	0.89	42370	
11	0.91	43480	
12	0.96	43790	
13	0.05	43890	
14	0.95	42920	
15	0.82	41720	
16	0.66	40230	
17	0.38	37650	
18	0.03	34460	
19	0.60	30920	
20	0.18	27490	
21	0.84	24580	
22	0.50	22460	
23	0.40	21750	
24	0.43	21960	
25	0.47	22250	
26	0.44	22030	
27	0.47	22250	
28	0.48	22320	
29	0.40	21750	
30	0.02	19040	
31	9.49	15800	
AUG 1	9.09	13370	
2	8.93	12470	
3	8.77	11670	
4	8.64	11010	
5	8.52	10410	
6	8.27	9960	
7	8.04	7560	
8	7.79	6960	
9	7.63	6320	
10	7.47	5750	
11	7.67	6480	
12	7.85	7120	
13	7.79	8360	
14	7.72	4680	

DAHO

AMERICAN FALLS				MEAS. INFLOW	COMP INFLOW	NEELEY				CLOUGH NEELEY	DATE	LAKE WALCOTT			N.S. MIN. CAN.		S.S. MIN. CAN.		NS + S.S. MIN. CANALS			MINID THEO	MINID	
GAGE	CAPAC	DRAFT AC. FT	DRAFT SEC. FT	CL-N	CL-N	GAGE	DISCH.	STD	NOR	GAIN	1926	GAGE	CAPAC.	DRAFT	GAGE	DISCH.	GAGE	DISCH.	TOTAL	STD	NOR.	BAL	GAGE	DISCH
00.59	23100	-430	-217	1237	2486	5.97	8340	5944	2390	2637	JUN 24	45.88	105790	-489	8.81	1320	5.77	1010	2330	2330	0	5521	6.41	5380
00.65	23530	-430	-217	1200	2412	6.00	8440	6076	2362	2657	25	45.93	106390	-303	9.12	1400	5.83	1030	2430	2430	0	5707	6.37	5250
00.90	25310	-1780	-897	1181	2374	6.00	8440	6186	2254	2397	26	46.00	107240	-429	9.43	1480	5.87	1040	2520	2520	0	5491	6.35	5310
01.07	26590	-1280	-645	1189	2390	6.13	8900	6660	2240	2255	27	46.02	107490	-126	9.46	1490	5.85	1040	2530	2530	0	6244	6.43	5440
01.18	27490	-900	-454	1193	2398	6.02	8510	6182	2328	2584	28	46.00	107240	126	9.45	1490	5.86	1040	2530	2530	0	6106	6.43	5440
01.22	27820	-330	-166	1181	2374	5.92	8170	5866	2304	2356	29	45.94	106510	368	9.45	1490	5.86	1040	2530	2530	0	6008	6.55	5690
01.23	27900	-80	-40	1182	2376	5.93	8200	5904	2296	2440	30	45.90	106030	242	9.40	1480	5.86	1040	2520	2520	0	5922	[illegible]	5840
01.20	27650	250	126	1205	2422	5.92	8170	5766	2402	2414	JUL 1	45.84	105310	363	9.28	1440	5.85	1040	2480	2480	0	6053	6.56	5770
01.17	27410	240	121	1221	2454	5.91	8130	5666	2464	2479	2	45.82	105070	121	9.45	1490	5.83	1030	2520	2520	0	5731	6.55	5740
01.21	27730	-320	-161	1233	2478	5.93	8200	5822	2378	2481	3	45.75	104220	429	9.41	1480	5.87	1040	2520	2520	0	6109	6.58	5820
01.27	28220	-490	-247	1229	2470	5.96	8300	5890	2410	2427	4	45.71	103740	242	9.26	1440	5.88	1040	2480	2480	0	6062	6.50	5610
01.36	28960	-740	-373	1227	2466	5.92	8170	5764	2406	2463	5	45.64	102900	424	9.25	1440	5.89	1040	2480	2480	0	6114	6.43	5440
01.56	30590	-1630	-822	1245	2503	5.82	7830	5397	2433	2372	6	45.62	102660	121	9.25	1440	5.88	1040	2480	2480	0	5471	6.38	5310
01.86	33040	-2450	-1235	1229	2470	5.90	8100	5720	2380	2505	7	45.62	102660	0	9.25	1440	5.88	1040	2480	2480	0	5620	6.49	5560
02.19	35930	-2890	-1457	1238	2488	5.96	8300	6002	2298	2347	8	45.67	103260	-303	9.26	1440	5.88	1040	2480	2480	0	5517	6.45	5480
02.48	38600	-2670	-1346	1247	2507	5.94	8240	5823	2417	2566	9	45.66	103140	61	9.03	1390	5.88	1040	2430	2430	0	5871	6.43	5440
02.69	40530	-1930	-973	1264	2541	5.88	8030	5539	2491	2565	10	45.71	103740	-303	8.58	1280	5.75	1010	2290	2290	0	5437	6.28	5060
02.89	42370	-1840	-928	1269	2551	5.90	8100	5649	2451	2326	11	45.81	104940	-605	8.15	1190	5.73	991	2185	2181	0	5314	6.30	5110
03.01	43480	-1110	-559	1270	2553	5.93	8200	5647	2553	2429	12	45.86	105550	-308	7.94	1150	5.55	939	2089	2089	0	5803	6.28	5060
03.06	43990	-510	-257	1269	2551	5.86	7960	5469	2491	2537	13	45.86	105550	0	7.94	1150	5.55	959	2089	2089	0	5871	6.30	5110
03.05	43890	100	50	1255	2523	5.71	7460	4897	2563	2400	14	45.84	105310	121	7.93	1150	5.57	945	2095	2095	0	5486	6.28	5060
02.95	42920	970	489	1243	2499	5.68	7360	4841	2519	2401	15	45.83	105190	60	7.94	1150	5.62	959	2109	2109	0	5311	6.09	4610
02.82	41720	1200	605	1239	2490	5.58	7040	4470	2570	2435	16	45.80	104820	187	8.08	1180	5.72	985	2165	2165	0	5062	6.10	4630
02.66	40250	1470	741	1229	2470	5.53	6880	4370	2510	2289	17	45.74	104100	363	8.15	1200	5.75	994	2194	2194	0	5049	6.10	4630
02.38	37680	2570	1296	1237	2486	5.53	6880	4424	2456	2604	18	45.68	103380	363	8.14	1200	5.82	1020	2220	2220	0	5023	6.10	4630
02.03	34460	3220	1624	1232	2476	5.55	6940	4444	2496	2586	19	45.62	102660	363	8.13	1190	5.85	1020	2210	2210	0	5095	6.12	4680
01.60	30920	3540	1785	1245	2503	5.63	7200	4777	2423	2505	20	45.66	103140	-242	8.13	1190	5.87	1030	2220	2220	0	4738	6.11	4650
01.18	27490	3430	1729	1251	2515	5.61	7130	4735	2395	2721	21	45.63	102780	182	8.14	1200	5.84	1040	2240	2240	0	5072	6.11	4650
00.84	24880	2610	1316	1244	2501	5.52	6840	4449	2391	2634	22	45.59	102290	247	8.13	1190	5.74	1040	2230	2230	0	4857	6.12	4680
00.50	22460	2420	1220	1247	2507	5.56	6970	4593	2377	2600	23	45.51	101330	484	8.14	1200	5.76	1040	2240	2240	0	5214	[illegible]	4350
00.40	21750	710	358	1228	2468	5.25	6010	3662	2348	2472	24	45.47	100850	242	8.15	1200	5.78	1050	2250	2250	0	4102	5.40	3130
00.43	21960	-210	-106	1229	2470	5.03	5370	2990	2380	2546	25	45.42	100250	302	8.17	1200	5.71	1030	2230	2230	0	3442	5.40	3130
00.47	22250	-290	-146	1223	2458	5.04	5400	3022	2378	2496	26	45.41	100130	60	8.15	1200	5.49	962	2162	2162	0	3298	5.36	3060
00.44	22030	220	111	1234	2480	5.08	5510	3130	2380	2309	27	45.43	100370	-121	8.08	1180	5.49	962	2142	2142	0	3247	5.36	3060
00.47	22250	-220	-111	1214	2440	5.14	5690	3260	2430	2391	28	45.49	101090	-363	7.96	1150	5.46	953	2103	2103	0	3224	5.34	3020
00.48	22320	-70	-35	1222	2456	5.12	5630	3224	2406	2515	29	45.54	101690	-302	7.93	1150	5.43	945	2095	2095	0	3233	5.34	3020
00.40	21750	570	287	1228	2468	5.11	5600	3152	2448	2473	30	45.70	103620	-973	7.96	1150	5.47	956	2106	2106	0	2521	5.33	3000
00.02	19040	2710	1366	1224	2460	5.44	6590	4190	2400	2444	31	45.82	105070	-731	7.97	1160	5.52	971	2131	2131	0	3728	5.48	3360
99.49	15800	3240	1634	1224	2460	5.58	7040	4610	2430	2496	AUG 1	45.75	104220	429	7.93	1150	5.50	965	2115	2115	0	5554	[illegible]	4970
99.09	13370	2430	1225	1226	2464	5.40	6470	4012	2458	2285	2	45.62	102660	786	7.94	1150	5.42	942	2092	2092	0	5164	[illegible]	4940
98.93	12470	900	454	1238	2488	5.23	5950	3445	2505	2296	3	45.42	100250	1215	7.93	1150	5.41	939	2089	2089	0	5076	6.12	4890
98.77	11670	800	403	1231	2474	5.18	5800	3353	2447	2577	4	45.17	97230	1523	7.93	1150	5.43	945	2095	2095	0	5228	6.17	5010
98.64	11010	660	333	1242	2496	5.07	5490	2941	2549	2447	5	44.98	94950	1149	7.91	1140	5.42	942	2082	2082	0	4557	6.08	4800
98.52	10410	600	302	1262	2537	5.07	5490	2971	2519	2368	6	44.76	92390	1291	7.93	1150	5.46	953	2103	2103	0	4678	[illegible]	4610
98.27	9160	1250	630	1273	2559	5.03	5370	2752	2618	2430	7	44.49	89250	1583	7.93	1150	5.40	936	2086	2086	0	4867	[illegible]	4870
97.94	7560	1600	807	1276	2565	4.92	5070	2400	2670	2553	8	44.31	87150	1059	7.91	1140	5.37	927	2067	2067	0	4062	[illegible]	3560
97.79	6960	600	302	1301	2615	4.52	4030	1308	2722	2518	9	44.20	85870	645	7.93	1150	5.08	845	1995	1995	0	2680	[illegible]	2700
97.63	6320	640	323	1285	2583	4.53	4060	1448	2612	2687	10	44.15	85290	292	7.94	1150	5.13	859	2009	2009	0	2343	4.92	2480
97.49	5750	570	287	1301	2615	4.44	3840	1163	2677	2653	11	44.06	84240	529	7.93	1150	5.15	865	2015	2015	0	2354	[illegible]	2370
97.67	6480	-730	-368	1316	2645	4.44	3840	1217	2623	2808	12	44.10	84700	-232	7.95	1150	5.13	859	2009	2009	0	1599	[illegible]	2290
97.83	7120	-640	-323	1310	2633	4.68	4430	1794	2636	2463	13	44.20	85870	-590	7.96	1150	5.05	837	1987	1987	0	1853	[illegible]	2250
97.79	6960	160	81	1297	2607	4.80	4740	2030	2710	2629	14	44.25	86450	-292	7.95	1150	5.08	845	1995	1995	0	2453	[illegible]	2250
97.72	6680	280	141	1301	2615	4.77	4660	1926	2734	2669	15	44.19	85750	353	7.94	1150	5.09	843	1998	1998	0	3015	[illegible]	2700

PLATE NO IX

MINIDOKA				NEELEY MINID. LOSS	DATE 1926	LAKE MIL GAGE	P.A. LAT		N.S.T.F. CAN.		P.A. + N.S.T.F. CANALS			S.S.T.F. CANAL				MIL. LOW LIFT CANAL				MIL THEO BAL	MILNER				MIN MIL LOSS
AGE	DISCH.	STD.	NOR.				GAGE	DISCH	GAGE	DISCH.	TOTAL	STD.	NOR	GAGE	DISCH.	STD.	NOR.	GAGE	DISCH.	STD.	NOR.		GAGE	DISCH.	STD.	NOR.	
41	5380	2984	2396	141	JUN 25	10.84	1.82	48	8.00	2520	2568	2286	282	9.56	3000	886	2114	2.17	62	62	0	-250	1.50	12	12	0	262
37	5280	2918	2362	427	26	10.84	1.83	49	8.01	2490	2539	2261	278	9.55	3000	916	2084	2.18	63	63	0	-322	1.50	12	12	0	334
38	5310	3056	2254	181	27	10.82	1.83	49	8.01	2460	2509	2244	265	9.55	3000	1011	1989	2.22	65	65	0	-264	1.49	12	12	0	276
43	5440	3200	2240	804	28	10.86	1.84	49	8.13	2520	2569	2305	264	9.55	3000	1024	1976	2.22	65	65	0	-194	1.49	12	12	0	206
43	5440	3112	2328	666	29	10.86	1.83	49	8.44	2620	2669	2395	274	9.55	3000	946	2054	2.20	64	64	0	-293	1.59	14	14	0	307
53	5690	3386	2304	318	30	10.97	1.84	49	8.48	2640	2689	2418	271	9.97	3310	1277	2033	2.30	69	69	0	-378	1.54	13	13	0	391
59	5840	3544	2296	82	JUL. 1	10.90	1.83	49	8.48	2640	2689	2419	270	10.07	3370	1344	2026	2.27	68	68	0	-287	1.54	13	13	0	300
56	5770	3368	2402	283	2	10.88	1.82	48	8.46	2630	2678	2395	283	10.06	3370	1251	2119	2.12	60	60	0	-338	1.52	12	12	0	350
55	5740	3276	2464	-9	3	10.80	1.83	49	8.49	2640	2689	2399	290	10.06	3370	1196	2174	H.D.	49	49	0	-368	1.58	14	14	0	382
58	5820	3442	2378	289	4	10.88	1.76	45	8.55	2660	2705	2425	280	9.93	3290	1192	2098	H.D.	1	1	0	-176	1.58	14	14	0	190
50	5610	3200	2410	452	5	10.87	1.76	45	8.38	2590	2635	2351	284	9.89	3260	1134	2126	H.D.	85	85	0	-370	1.54	13	13	0	383
43	5440	3034	2406	674	6	10.74	1.73	43	7.86	2390	2433	2150	283	9.90	3270	1147	2123	2.81	102	102	0	-365	1.52	12	12	0	377
38	5310	2877	2433	161	7	10.50	1.76	45	7.68	2300	2345	2059	286	9.89	3260	1113	2147	2.84	104	104	0	-399	1.51	12	12	0	411
48	5560	3180	2380	60	8	10.70	1.76	45	7.73	2330	2375	2095	280	9.92	3280	1180	2100	2.84	104	104	0	-199	1.51	12	12	0	211
45	5480	3182	2298	37	9	10.94	1.76	45	7.67	2300	2345	2075	270	9.88	3260	1232	2028	2.85	104	104	0	-229	1.61	15	15	0	244
43	5440	3023	2417	431	10	10.86	1.76	45	7.62	2270	2315	2031	284	9.89	3260	1127	2133	2.84	104	104	0	-239	1.54	13	13	0	252
28	5060	2569	2491	377	11	10.78	1.76	45	7.55	2240	2285	1992	293	9.89	3260	1062	2198	2.81	98	98	0	-583	1.53	13	13	0	596
30	5110	2659	2451	204	12	10.70	1.76	45	7.50	2210	2255	1967	288	9.88	3260	1097	2163	2.79	98	98	0	-503	1.52	12	12	0	515
28	5060	2507	2553	743	13	10.56	1.76	45	7.31	2120	2165	1865	300	9.90	3270	1017	2253	2.78	97	97	0	-472	1.51	12	12	0	484
30	5110	2619	2491	761	14	10.56	1.75	44	7.26	2100	2144	1851	293	9.89	3260	1062	2198	2.74	95	95	0	-389	1.52	12	12	0	401
28	5060	2497	2563	426	15	10.48	1.76	45	7.23	2090	2135	1833	302	9.59	2910	649	2261	2.70	93	93	0	-78	1.51	12	12	0	90
09	4610	2091	2519	701	16	10.44	1.77	45	7.22	2080	2125	1829	296	9.20	2800	577	2223	2.70	93	93	0	-408	1.50	12	12	0	420
10	4630	2060	2570	432	17	10.36	1.76	45	7.17	2060	2105	1803	302	9.21	2800	532	2268	H.D.	42	42	0	-317	1.50	12	12	0	329
10	4630	2120	2510	419	18	10.32	1.76	45	7.03	1990	2035	1740	295	9.20	2800	585	2215	1.91	54	54	0	-259	1.49	12	12	0	271
10	4630	2174	2456	393	19	10.30	1.75	44	6.99	1980	2024	1735	289	9.20	2800	633	2167	1.93	55	55	0	-249	1.48	11	11	0	260
12	4680	2184	2496	413	20	10.12	1.76	45	6.93	1950	1995	1701	294	9.21	2800	598	2202	H.D.	63	63	0	-178	1.48	11	11	0	189
11	4650	2227	2423	88	21	10.19	1.76	45	7.01	1980	2025	1740	285	9.21	2800	662	2138	2.70	89	89	0	-264	1.49	12	12	0	276
11	4650	2255	2395	422	22	10.09	1.76	45	6.99	1980	2025	1743	282	9.21	2800	687	2113	2.67	88	88	0	-263	1.48	11	11	0	274
12	4680	2289	2391	177	23	10.11	1.75	44	7.04	2000	2044	1763	281	9.20	2800	690	2110	2.65	86	86	0	-250	1.50	12	12	0	262
98	4350	1973	2377	864	24	10.00	1.75	44	H.D.	984	1028	748	280	9.21	2800	703	2097	2.64	86	86	0	436	1.48	11	11	0	-425
40	3130	782	2348	872	25	10.06	1.76	45	2.65	432	477	201	276	9.18	2790	718	2072	2.64	86	86	0	-223	1.48	11	11	0	234
40	3130	750	2380	312	26	10.07	1.80	47	2.60	419	466	186	280	9.21	2800	700	2100	2.64	86	86	0	-222	1.48	11	11	0	233
36	3060	682	2378	238	27	10.00	1.81	48	2.56	398	446	166	280	9.20	2800	702	2098	2.65	86	86	0	-272	1.48	11	11	0	283
36	3060	680	2380	187	28	10.07	1.81	48	2.60	398	446	166	280	9.19	2790	690	2100	2.65	86	86	0	-262	1.48	11	11	0	273
34	3020	590	2430	204	29	10.09	1.81	48	2.64	398	446	160	286	9.21	2800	656	2144	2.53	80	80	0	-306	1.48	11	11	0	317
34	3020	614	2406	213	30	10.12	1.82	48	2.69	401	449	166	283	9.20	2800	677	2123	2.58	83	83	0	-312	1.48	11	11	0	323
33	3000	552	2448	-479	31	10.05	1.81	48	2.74	414	462	174	288	9.22	2810	650	2160	2.64	86	86	0	-358	1.47	11	11	0	369
48	3360	960	2400	368	AUG. 1	10.08	1.81	48	H.D.	1620	1668	1386	282	9.19	2790	672	2118	2.64	86	86	0	-1184	1.48	11	11	0	1195
15	4970	2540	2430	384	2	10.00	1.81	48	7.37	2120	2168	1882	286	9.21	2800	656	2144	2.68	88	88	0	-86	1.50	12	12	0	98
14	4940	2482	2458	224	3	10.04	1.81	48	7.26	2100	2148	1859	289	9.20	2800	631	2169	2.65	86	86	0	-94	1.49	12	12	0	106
12	4890	2385	2505	186	4	9.94	1.81	48	7.16	2080	2128	1833	295	9.21	2800	590	2210	2.67	88	88	0	-126	1.47	11	11	0	137
17	5010	2563	2447	218	5	9.94	1.81	48	7.13	2090	2138	1850	288	9.20	2800	641	2159	2.74	87	87	0	-15	1.47	11	11	0	26
08	4800	2251	2549	-243	6	9.88	1.81	48	7.08	2090	2138	1838	300	8.93	2650	401	2249	2.79	86	86	0	-74	1.47	11	11	0	85
00	4610	2091	2519	68	7	9.84	1.81	48	7.08	2090	2138	1841	297	8.84	2600	378	2222	2.83	84	84	0	-212	1.48	11	11	0	223
11	4870	2252	2618	-3	8	9.81	1.81	48	H.D.	1560	1608	1300	308	8.83	2600	290	2310	2.83	84	84	0	578	1.48	11	11	0	-567
0.	3560	890	2670	502	9	9.78	1.81	48	2.59	427	475	161	314	8.84	2600	244	2356	2.85	85	85	0	400	1.48	11	11	0	-389
06	2700	-22	2722	-20	10	9.70	1.81	48	2.58	424	472	152	320	8.84	2600	198	2402	2.86	86	86	0	-458	1.48	11	11	0	469
92	2480	-132	2612	-137	11	9.52	1.81	48	2.53	411	459	152	307	8.71	2530	225	2305	H.D.	82	82	0	-591	1.48	11	11	0	602
84	2370	-307	2677	-16	12	9.32	1.81	48	2.52	408	456	141	315	7.75	2040	-322	2362	H.D.	64	64	0	-190	1.50	12	12	0	202
78	2290	-333	2623	-691	13	9.32	1.81	48	2.53	411	459	153	306	7.67	2000	-293	2293	2.67	76	52	24	-245	1.50	12	12	0	257
75	2250	-386	2636	-397	14	9.20	1.81	48	2.54	414	462	155	307	7.67	2000	-305	2305	2.76	80	56	24	-292	1.48	11	11	0	303
75	2250	-460	2710	203	15	9.14	1.81	48	2.57	421	469	153	316	7.67	2000	-370	2370	2.74	80	56	24	-299	1.48	11	11	0	310
0	2700	-34	2734	315	16	9.29	1.81	48	H.D.	1620	1668	1349	319	7.4	1870	-521	2391	2.52	68	44	24	-906	1.48	11	11	0	917

ALL DISCHARGE QUANTITIES ARE GIVEN IN SECOND FEET UNLESS OTHERWISE NOTED AT TOP OF COLUMN

1926 DISTRIBUTION WATER DISTRICT NO. 36

DATE 1926	JACKSON LAKE GAGE	JACKSON LAKE CAPACITY	JACKSON LAKE DRAFTAGE	MORAN GAGE	MORAN DISCH.	MORAN STO.	MORAN NOR.	TWIN LAKE DISCH	TWIN LAKE MORAN
AUG 12	3472	83020	3250	3.91	2610	1632	971		
13	3455	79950	3070	3.75	2420	1548	872		
14	3437	76620	3260	3.65	2300	1644	656		
15	3417	73080	3610	3.68	2340	1820	520		
16	33.96	69300	3780	3.65	2300	1906	394		
17	33.74	65380	3920	3.65	2300	1976	324		
18	3351	62360	3030	365	2300	1528	772		
19	3331	61280	1070	3.09	1690	539	1151		
20	33.49	60920	360	247	1120	182	938		
21	33.46	60380	540	220	357	272	685		
22	3341	59490	890	2.25	930	429	501		
23	3335	58070	1420	2.54	1180	716	464		
24	3321	55930	2140	2.83	1440	1079	361		
25	3302	52540	3390	3.38	2000	1709	291		
26	32.77	48140	4400	3.86	2530	2218	332		
27	32.56	44440	3700	3.87	2570	1865	725		
28	32.44	42330	2110	3.88	2580	1064	1516		
29	32.23	38630	3700	3.85	2540	1865	675		
30	31.99	34410	4220	3.80	2480	2128	352		
31	31.76	30410	4000	3.67	2320	2017	303		
SEP. 1	31.56	26930	3480	3.50	2130	1754	376		
2	31.38	23800	3130	3.33	1940	1578	362		
3	31.30	22410	1390	3.20	1800	701	1099		
4	31.19	20500	1910	2.97	1570	963	607		
5	31.11	19110	1390	2.46	1110	701	409		
6	31.05	18060	1050	2.32	1000	529	471		
7	31.00	17190	870	2.12	854	439	415		
8	30.94	16160	1030	2.14	861	519	350		
9	30.89	15300	860	2.13	862	434	428		
10	30.84	14440	860	2.11	847	434	413		
11	30.78	13410	1030	2.10	840	519	321		
12	30.73	12550	860	2.12	854	434	420		
13	30.68	11690	860	2.12	854	434	420		
14	30.62	10660	1030	2.12	854	519	335		
15	30.57	9800	860	2.11	847	434	413		
16	30.51	8770	1030	2.10	840	519	321		
17	30.45	7740	1030	2.12	854	519	335		
18	30.39	6710	1030	2.12	854	519	335		
19	30.33	5670	1040	2.11	847	524	323		
20	30.26	4470	1200	2.11	847	605	242		
21	30.20	3440	1030	2.09	833	519	314		
22	30.16	2750	690	1.78	630	348	282		
23	30.13	2240	510	1.62	536	257	279		
24	30.10	1720	520	1.61	531	262	269		
25	30.08	1380	340	1.48	461	171	290		
26	30.07	1290	180	1.37	405	91	314		
27	30.05	860	340	1.37	405	171	234		
28	30.05	860	0	1.28	361	0	362		
TOTAL+									
TOTAL-									
TOTAL			39370		51036	36849	19089	1294	
MEAN									

DATE 1926	HEISE GAGE	HEISE DISCH	HEISE HAILEY	HEISE STO.	HEISE T.L.K.	HEISE NOR.	MORAN-HEISE TOT.GN.	MORAN-HEISE L.STO.	MORAN-HEISE L.T.L.	MORAN-HEISE UNTHOY	LORLNZO STO.	LORLNZO T.L.K.	H-L L.STO	H-L L.T.L.
AUG 15	3.30	6240	6250	1578		4652	3640	41		3681	1495		113	
14	3.26	6130	6140	1509		4631	3720	39		3749	1410		99	
15	3.13	5760	5768	1603		4165	3468	41		3509	1506		97	
16	3.08	5620	5628	1774		3854	3288	46		3334	1691		143	
17	3.06	5570	5577	1858		3719	3277	48		3325	1682		176	
18	3.04	5510	5517	1927		3590	3217	43		3266	1772		155	
19	3.10	5680	5687	1490		4197	3387	38		3425	1375		115	
20	3.00	5620	5628	526		5102	3938	13		3951	492		34	
21	2.82	4930	4932	177		4755	3812	5		3817	168		9	
22	2.65	4500	4500	265		4235	3543	7		3550	230		27	
23	2.60	4380	4380	438		3742	3430	11		3441	361		71	
24	2.52	4190	4190	698		3492	3010	18		3028	570		128	
25	2.57	4310	4310	1052		3258	2870	27		2897	680		172	
26	2.63	4450	4450	1666		2784	2450	43		2493	1504		162	
27	2.96	5300	5300	2163		3137	2750	53		2805	2041		119	
28	3.00	5400	5400	1818		3582	2810	47		2857	1763		55	
29	3.04	5510	5510	1037		4473	2930	27		2957	1046		31	
30	3.04	5510	5510	1818		3692	2970	47		3017	1751		67	
31	3.01	5430	5430	2075		3355	2950	53		3003	1964		111	
SEPT 1	2.96	5300	5300	1967		3333	2980	50		3030	1840		121	
2	2.90	5140	5140	1710		3430	3010	44		3054	1591		119	
3	2.85	4960	4960	1539		3421	3020	39		3059	1409		130	
4	2.78	4830	4830	683		4147	3030	18		3048	617		66	
5	2.75	4750	4750	939		3811	3180	24		3204	846		93	
6	2.62	4430	4430	683		3747	3320	16		3338	617		66	
7	2.47	4080	4080	516		3564	3080	13		3093	462		54	
8	2.42	3960	3960	428		3532	3106	11		3117	372		56	
9	2.37	3850	3850	506		3344	2981	13		2994	447		59	
10	2.36	3830	3830	423		3407	2968	11		2979	385		38	
11	2.34	3790	3790	423		3367	2945	11		2954	387		36	
12	2.32	3740	3740	506		3234	2900	13		2913	464		42	
13	2.30	3700	3700	423		3277	2846	11		2857	383		40	
14	2.30	3700	3700	423		3277	2846	11		2857	383		40	
15	2.29	3680	3680	506		3174	2826	13		2839	459		47	
16	2.28	3660	3660	423		3237	2813	11		2824	378		45	
17	2.27	3630	3630	506		3124	2790	13		2803	448		58	
18	2.24	3570	3570	506		3064	2716	13		2729	445		61	
19	2.24	3570	3570	506		3064	2716	13		2729	453		53	
20	2.24	3570	3570	511		3059	2723	13		2736	478		33	
21	2.23	3550	3550	570		2960	2703	15		2718	550		40	
22	2.22	3530	3530	506		3024	2697	13		2710	456		50	
23	2.20	3480	3480	339		3141	2850	9		2859	301		38	
24	2.14	3360	3360	251		3109	2824	6		2830	222		29	
25	2.09	3260	3260	255		3085	2729	7		2736	228		27	
26	2.07	3220	3222	167		3055	2761	4		2765	145		22	
27	2.05	3180	3184	89		3095	2779	2		2781	76		13	
28	2.03	3140	3143	167		2976	2738	4		2742	146		21	
29	2.01	3100	3102	0		3102	2740	0		2740	0		0	
TOTAL+														
TOTAL-														
TOTAL			373270	1262		939300	738782	3571	32	742391	338531	1221	14747	41
MEAN														

DAILY SUMMARY OF DATA AT AND BETWEEN

BURG		HEISE & RILEY	DATE	DIV HEISE-WOOD			WOOD THEO BAL	WOODVILLE				LOW
DISCH		AL ABURN	1926	TOTAL	STD	NOR		GAGE	DISCH	STD.	NOR	STD
1070		7320										
985		7125		5210	419	4791	2110	5.79	3010	1038	1952	8
906		6614	15	5002	423	4579	2123	5.72	2880	980	1740	8
901		6329	16	5017	424	4593	1657	5.59	2640	1074	1566	7
901		6478	17	5038	365	4673	1491	5.43	2480	258	2222	4
926		6445	19	5034	417	4617	1444	5.31	2200	256	1944	8
965		6672	20	5248	237	5011	1197	5.29	2170	1526	644	9
1000		6628	21	5328	215	5113	1344	5.28	2150	1153	997	9
951		5883	22	4920	184	4736	1709	5.29	2170	305	1865	7
901		5401	23	4676	179	4497	1207	5.08	1890	- 12	1902	3
879		5257	24	4614	185	4429	787	4.85	1630	52	1473	1
879		5067	25	4823	203	4585	671	4.68	1460	162	1298	1
831		5141	26	4723	205	4523	341	4.53	1330	362	968	2
805		5255	27	4715	199	4518	428	4.39	1210	681	529	3
836		6136	28	5242	586	4656	13	4.25	1100	910	190	4
831		6231	29	5111	626	4485	1025	4.45	1260	1408	- 148	8
857		6367	30	5173	567	4604	1058	4.75	1530	1185	345	10
884		6394	31	5113	566	4547	1254	4.95	1740	435	1305	1
917		6347	SEPT 1	5079	591	4508	1295	5.05	1890	1151	739	5
1000		6300	2	5023	632	4391	1324	5.11	1920	1322	598	9
1010		6150	3	4986	629	4357	1314	5.13	1950	1208	742	10
979		5939	4	4642	640	4002	1508	5.17	2000	943	1057	8
1140		5970	5	4563	640	3923	1376	5.17	2000	762	1238	7
1170		5920	6	4382	618	3764	1388	5.18	2010	- 4	2014	3
1140		5570	7	4411	510	3901	1509	5.21	2050	332	1718	4
1030		5110	8	4114	331	3783	14.56	5.08	1890	283	1607	3
1030		4990	9	3936	147	3789	1174	5.00	1790	313	1477	2
1050		4900	10	3857	62	3795	1133	4.98	1770	308	1462	2
1060		4890	11	4088	32	4056	812	4.78	1560	413	1147	2
1020		4810	12	4410	31	4379	480	4.45	1260	352	908	2
923		4663	13	4505	20	4485	305	4.16	1030	365	665	2
879		4579	14	4483	14	4469	180	3.86	826	448	378	2
906		4606	15	4493	13	4480	86	3.69	724	368	356	2
934		4614	16	4474	10	4464	132	3.58	658	371	287	2
928		4588	17	4301	10	4291	313	3.77	772	447	325	2
934		4564	18	4210	22	4188	378	3.78	778	354	424	2
951		4521	19	4133	20	4113	431	3.75	760	426	334	2
940		4510	20	4057	69	3988	464	3.78	778	374	404	2
912		4482	21	4044	101	3943	466	3.96	892	350	542	2
956		4506	22	3936	103	3833	546	4.08	976	373	603	3
1000		4530	23	4030	167	3863	476	4.10	990	380	610	2
985		4465	24	3877	57	3820	653	4.21	1070	397	673	2
991		4351	25	3591	77	3514	874	4.27	1120	222	898	1
1070		4330	26	3714	0	3714	637	4.27	1120	221	899	1
1100		4322	27	3681	0	3681	649	4.26	1110	227	883	1
1130		4314	28	3498	0	3498	824	4.41	1230	144	1086	1
1100		4243	29	3582	0	3582	752	4.53	1330	76	1254	0
1200		4302	30	3633	0	3633	610	4.51	1310	145	1165	1
				3869	0	3869	433	4.50	1300	0	1300	0
					44104					741136	372340	
					27957					16	148	
										713914	341722	372192
150181		146401		852025	16234	835791	612076					

WOOD	HEISE-WOODVILLE				DIV. WOOD-BLACK			BLACK THEO BAL	BLACK FOOT BRIDGE			WOOD-
L.TL.	TOT.GN	L.STD.	L.TL.	GN NOR.	TOTAL	STD.	NOR		DISCH	STD.	NOR.	TOT.GN
900	121		1021	1204	1	1203	1806	1410	994	416	- 396	
757	106		863	1188	1	1187	1692	1300	920	380	- 392	
983	105		1088	1226	118	1108	1414	1070	899	171	- 344	
889	151		1040	1555	590	965	825	505	628	- 123	- 320	
756	165		941	1709	767	942	491	323	441	- 118	- 168	
773	164		1137	1518	655	863	652	797	819	- 422	- 255	
806	122		928	1491	587	904	659	426	532	- 106	- 233	
462	37		499	1511	587	924	659	426	691	- 265	- 233	
683	10		693	1070	195	875	920	807	782	- 195	- 233	
843	28		871	862	1	861	768	556	507	49	- 213	
789	73		862	796	1	795	664	417	151	266	- 247	
989	131		1120	747	1	746	583	335	339	- 4	- 248	
782	176		958	702	1	701	508	266	639	- 373	- 242	
1087	170		1257	678	1	677	422	226	854	- 628	- 196	
235	129		364	801	152	649	459	208	1181	- 973	- 251	
472	64		536	1125	345	780	405	202	790	- 588	- 203	
486	36		522	1247	424	823	493	242	10	232	- 251	
595	76		671	1306	429	877	584	342	677	- 335	- 242	
596	121		717	1098	446	652	822	592	873	- 281	- 230	
636	130		766	703	45	658	1241	975	1093	- 118	- 272	
492	127		619	706	65	641	1294	1020	825	195	- 274	
624	137		761	707	66	641	1293	1030	654	376	- 263	
622	69		691	696	63	633	1312	1030	- 03	1095	- 282	
541	97		638	856	60	796	1124	975	256	719	- 219	
434	69		503	889	33	856	1001	500	235	565	- 201	
616	56		672	918	28	890	872	721	268	453	- 51	
637	58		695	1006	20	986	764	566	271	295	- 198	
745	61		809	1125	0	1125	435	344	388	44	- 71	
730	40		820	1022	0	1022	238	182	331	- 149	- 56	
725	38		763	815	0	815	215	75	343	- 268	- 140	
646	44		690	752	0	752	74	47	421	- 374	- 27	
638	42		680	601	0	601	123	22	* 346	- 324	- 101	
526	42		568	498	0	498	160	8	349	- 341	- 152	
459	49		508	513	0	513	259	9	420	- 411	- 250	
400	47		447	637	0	637	141	11	333	- 322	- 130	
329	60		389	622	0	622	138	6	401	- 395	- 132	
314	63		377	632	8	624	146	3	344	- 341	- 143	
426	55		481	630	42	588	262	14	290	- 276	- 248	
430	35		465	659	50	609	317	100	304	- 204	- 217	
514	43		557	735	50	685	255	112	310	- 198	- 143	
417	52		469	754	11	743	316	75	363	- 288	- 241	
246	40		286	829	5	824	291	112	204	- 92	- 179	
483	30		513	852	0	852	268	116	208	- 92	- 152	
461	28		489	813	0	813	297	132	213	- 81	- 165	
406	23		429	825	0	825	405	215	135	80	- 190	
598	13		611	886	0	886	444	290	72	218	- 154	
700	22		722	952	0	952	358	274	136	139	- 84	
867	0		361	802	0	802	498	315	0	315	- 123	
103486			129923		33326					3193335	1279770	14
1645			1438		30765					525	22320	41595
1019309	16546	47	1184825	247081	2564	245317	466033	424452	310910	105542	- 94581	

* SEE NOTE PLATE No IX

ETWEEN SNAKE RIVER GAGING STATIONS

BLACK		CUM. LOSS	CORR APP.	SMITH MAX. CAN.	ROBT THEO BAL.	ROBERTSON				BLACK ROBT GAIN	BLACK FOOT	
STD.	GAIN NOR	STD.	STD.			GAGE	DISCH	STD	NOR		GAGE	DISCH
63	- 335	-1280	392	0	1410	4.39	1390	1410	- 30	- 30	7.28	478
59	- 333	-1636	356	0	1300	4.24	1250	1300	- 50	- 50	7.26	474
37	- 287	-1763	147	0	1070	3.95	1000	1070	- 70	- 70	7.06	430
28	- 140	-1494	- 142	0	505	3.00	397	505	- 108	- 108	6.61	332
52	- 203	-1048	- 446	0	397	2.62	238	323	- 85	- 85	6.61	332
34	- 199	- 918	- 130	0	426	2.75	286	397	- 109	- 109	6.70	351
17	- 250	-1585	667	0	426	2.83	321	426	- 105	- 105	6.64	334
12	- 245	-2343	758	0	587	2.84	325	426	- 101	- 101	6.92	392
3	- 210	-2826	483	0	535	3.17	482	587	- 105	- 105	7.07	432
10	- 237	-3068	242	0	417	2.84	325	417	- 92	- 92	6.10	224
22	- 226	-3040	- 28	0	335	2.62	238	335	- 97	- 97	H.D.	19
41	- 201	-2645	- 397	0	266	2.43	173	266	- 93	- 93	DRY	0
55	- 141	-1991	- 652	0	226	2.26	126	226	- 100	- 100	DRY	0
75	- 176	-1994	- 997	0	208	2.16	92	208	- 116	- 116	DRY	0
50	- 153	-382	- 612	0	202	2.18	98	202	- 104	- 104	H.D.	49
1	- 250	- 590	209	0	242	2.33	141	242	- 101	- 101	5.06	43
43	- 199	-2291	- 361	0	342	2.62	238	342	- 104	- 104	4.87	24
53	- 177	26	- 255	0	592	3.13	462	592	- 130	- 130	4.72	17
70	- 202	168	- 142	0	975	3.73	835	975	- 140	- 140	4.50	7
53	- 221	- 3	171	0	1020	3.83	910	1020	- 110	- 110	4.50	7
42	- 221	- 355	352	0	1030	3.84	918	1030	- 112	- 112	4.56	10
4	- 286	-1424	1069	0	1030	3.88	949	1030	- 81	- 81	4.63	13
16	- 203	-2119	695	0	975	3.78	872	975	- 103	- 103	4.83	23
15	- 186	-2660	541	0	800	3.54	702	800	- 98	- 98	4.95	32
17	- 134	-3089	429	0	721	3.40	612	721	- 109	- 109	4.55	9
17	- 181	-3360	271	0	566	3.10	446	566	- 120	- 120	4.15	0
25	- 66	-3292	- 68	0	344	2.80	231	344	- 113	- 113	DRY	0
21	- 35	-3119	- 173	0	182	2.30	132	182	- 50	- 50	DRY	0
22	- 118	-2827	- 292	0	75	1.93	38	75	- 37	- 37	DRY	0
27	0	-2429	- 398	0	47	H.D.	5	47	- 42	- 42	DRY	0
22	- 79	-2081	- 348	0							DRY	0
22	- 130	-1740	- 341	0							EST.	1
27	- 223	-1329	- 411	0							DRY	0
21	- 109	-1007	- 322	0							H.D.	1
25	- 107	- 612	- 395	0							4.61	15
22	- 121	- 271	- 341	0							4.69	10
18	- 230	5	- 276	0							4.77	31
19	- 198	209	- 204	0							4.86	23
20	- 123	407	- 198	0							4.82	23
23	- 218	695	- 286	0							4.89	45
13	- 166	787	- 92	0							5.14	53
13	- 139	879	- 92	0							5.30	70
14	- 151	960	- 81	0							5.52	112
9	- 181	880	80	0							5.77	165
3	- 150	662	218	0							5.66	146
9	- 75	524	130	0							5.48	106
0	- 123	149	375	0							5.60	181
0381	1619											
33	22752											
0348	-2333				869	57185		49053	34351	- 5238	- 5298	

FROM JACKSON LAKE WYOMING TO MILI ER

FOOT RIVER		BB-C THEO BAL.	R-C THEO BAL.	CLOUGHS				BL. BK. CLOUGH GAIN	ROBT. CLOUGH GAIN	DATE 1926	AM	
STD.	NOR			GAGE	DISCH	STD.	NOR				GAGE	CH
478	0	1888	1858	3.66	2000	1888	112	112	142	Aug 15	97.70	
474	0	1774	1724	3.58	1880	1774	106	106	156	16	97.63	
430	0	1500	1430	3.41	1640	1500	140	140	210	17	97.51	
332	0	837	729	2.84	970	837	133	133	241	18	9731	
332	0	655	570	2.58	722	655	67	67	152	19	97.23	
351	0	748	639	2.63	767	748	19	19	128	20	97.22	
339	0	764	659	2.67	803	764	39	39	144	21	97.21	
399	0	825	724	2.73	860	825	35	35	136	22	97.19	
432	0	1019	914	2.91	1040	1019	21	21	126	23	97.23	
224	0	760	681	2.62	950	760	170	170	269	24	97.15	
19	0	436	344	2.32	510	436	74	74	166	25	97.03	
0	0	335	238	2.16	377	335	64	64	161	26	96.95	
0	0	266	173	2.00	318	266	52	52	145	27	9695	
0	0	226	126	1.92	272	226	46	46	146	28	9690	
0	0	208	92	1.85	235	208	27	27	143	29	96.83	
0	42	251	147	1.95	289	202	87	38	142	30	96.83	
0	42	284	183	1.96	294	242	52	10	111	31	9690	
0	26	368	264	2.05	366	342	24	- 2	102	Sept 1	9692	
0	17	609	479	2.40	594	592	2	- 15	115	2	9702	
0	7	982	842	2.82	980	975	5	- 2	138	3	97.26	
0	7	1027	917	2.86	1020	1020	0	- 7	103	4	9723	
0	10	1040	928	2.87	1030	1030	0	- 10	102	5	9723	
0	13	1043	962	2.88	1040	1030	10	- 3	78	6	9724	
0	23	995	895	2.86	1020	975	45	22	125	7	9725	
0	32	832	734	2.70	890	800	90	58	156	8	97.24	
0	9	730	621	2.57	785	721	64	55	164	9	97.14	
0	0	566	446	2.42	677	566	111	111	231	10	9708	
0	0	344	231	2.09	432	344	88	88	201	11	9702	
0	0	182	132	1.90	324	182	142	142	192	12	96.93	
0	0	75	30	1.68	211	75	136	136	173	13	96.93	
0	0	47	5	1.60	179	47	132	132	174	14	2697	
0	0	22		1.54	154	22	132	132		15	96.86	
0	1	9		1.53	151	8	143	142		16	96.82	
0	0	9		1.53	151	9	142	142		17	96.86	
0	1	12		1.54	154	11	143	142		18	96.88	
0	12	18		1.54	154	6	148	136		19	96.86	
0	16	19		1.54	154	3	151	135		20	96.85	
0	20	34		1.57	167	14	133	133		21	96.86	
0	25	125		1.64	196	100	96	71		22	96.89	
0	23	135		1.68	216	112	104	81		23	9691	
0	28	103		1.67	211	75	136	108		24	96.92	
0	52	164		1.70	225	112	113	61		25	96.93	
0	76	192		1.78	267	116	151	75		26	9694	
0	115	247		1.91	342	132	210	95		27	9699	
0	163	318		2.07	446	215	231	68		28	97.01	
0	142	432		2.22	555	290	265	123		29	97.03	
0	105	382		2.23	562	274	288	180		30	9711	
0	181	556		2.34	650	375	275	94				
							164963	8693				
							2991	7623				
7721	6657	452710	56860		499218	337245	6/972	- 940	7577			

VER IDAHO

AMERICAN FALLS			RES INFLOW	COMP INFLOW	NEELY				NEELY GAIN	DATE	LAKE	WALCOTT		N.S. MIN. C.		S.S. MIN. C.		N.S. & S.S. MIN. CANALS			MIN THEO BAL	MINIDOKA				NEELY MINID LOSS	DATE
PAC.	DRAFT AC FT	DRAFT SEC FT			GAGE	DISCH	STD	NOR		1926	GAGE	CAPAC.	DRAFT SEC FT	GAGE	DISCH	GAGE	DISCH	TOTAL	STD	NOR		GAGE	DISCH	STD	NOR		1926
6600	80	40	1313	2639	4.73	4560	1807	2751	2520	Aug 16	43.98	83310	1230	8.05	1180	5.11	854	2034	2034	0	3756	5.71	3950	1199	2751		Aug 17
6400	200	101	1299	2611	4.72	4530	1813	2717	2549	17	43.68	79930	1704	8.12	1190	5.12	854	2044	2044	0	4190	5.78	4100	1383	2717		18
5840	560	282	1292	2597	4.64	4330	1593	2737	2408	18	43.35	75980	1991	8.11	1190	5.10	845	2035	2035	0	4286	5.79	4130	1393	2737		19
5030	810	405	1275	2559	4.47	3910	1218	2692	2532	19	42.94	71610	2203	8.10	1190	5.08	837	2027	2027	0	4086	5.81	4170	1478	2692		20
4710	320	161	1277	2567	4.31	3520	886	2634	2637	20	42.45	66220	2717	7.98	1160	5.08	834	1994	1994	0	4243	5.80	4150	1516	2634	93	21
4670	40	20	1256	2524	4.26	3410	867	2543	2623	21	42.25	63810	1215	7.88	1130	5.08	831	1961	1961	0	2664	H.D.	3100	557	2543	- 436	22
4630	40	20	1275	2563	4.28	3450	848	2602	2627	22	42.12	62600	610	7.93	1150	5.12	840	1990	1990	0	2070	4.93	2410	- 192	2602	- 340	23
4550	80	40	1283	2579	4.30	3500	886	2614	2600	23	42.01	61390	610	7.92	1140	5.12	837	1977	1977	0	2135	4.90	2370	- 244	2614	- 237	24
4710	- 160	- 81	1276	2565	4.30	3500	914	2586	2541	24	41.89	60100	650	7.92	1140	5.10	831	1971	1971	0	2179	4.91	2390	- 196	2586	- 211	25
4390	320	161	1274	2561	4.33	3570	839	2731	2459	25	41.66	57620	1250	7.91	1140	5.13	837	1977	1977	0	2843	4.93	2410	- 321	2731	433	26
3910	480	242	1260	2532	4.20	3270	664	2606	2516	26	41.44	55260	1190	7.90	1140	5.17	845	1985	1985	0	2475	4.92	2400	- 206	2606	75	27
3640	270	136	1264	2541	4.10	3050	445	2605	2515	27	41.20	52680	1301	7.91	1140	5.16	840	1980	1980	0	2371	4.90	2370	- 235	2605	1	28
3580	60	30	1245	2502	4.05	2940	386	2554	2592	28	41.06	51170	761	H.D.	945	4.78	735	1678	1678	0	2023	4.90	2370	- 184	2554	- 347	29
3480	100	50	1246	2504	4.04	2920	370	2550	2598	29	41.02	50740	217	DRY	0	4.12	573	573	573	0	2564	4.80	2240	- 310	2550	324	30
3270	210	106	1243	2498	4.03	2900	375	2525	2559	30	41.03	50850	- 55	DRY	0	4.10	566	566	566	0	2279	4.79	2230	- 295	2525	49	31
3270	0	0	1243	2498	4.02	2870	285	2585	2581	31	41.07	51280	- 217	DRY	0	4.12	569	569	569	0	2084	4.72	2140	- 445	2585	- 56	Sept 1
3480	- 210	- 106	1264	2541	3.96	2750	157	2593	2562	Sept 1	41.02	50740	272	DRY	0	4.11	564	564	564	0	2458	4.93	2410	- 183	2593	48	2
3550	- 70	- 35	1265	2543	4.04	2920	353	2567	2589	2	40.88	49260	746	DRY	0	4.09	560	560	560	0	3106	5.42	3220	653	2567	- 114	3
3870	- 320	- 161	1276	2565	4.10	3050	483	2567	2617	3	40.80	48410	429	DRY	0	4.10	562	562	562	0	2917	5.44	3260	693	2567	- 343	4
4830	- 960	- 484	1297	2607	4.22	3320	708	2612	2824	4	40.72	47570	424	DRY	0	4.12	566	566	566	0	3178	5.46	3340	728	2612	- 162	5
4910	- 80	- 40	1315	2643	4.33	3570	927	2643	2590	5	40.55	45770	908	H.D.	333	4.12	566	899	899	0	3579	5.61	3600	957	2643	- 21	6
4710	200	101	1289	2591	4.36	3610	1049	2591	2509	6	40.45	44710	534	H.D.	839	4.38	626	1465	1465	0	2709	5.12	2700	109	2591	9	7
4750	- 40	- 20	1280	2573	4.36	3640	1057	2583	2620	7	40.32	43340	691	7.42	995	4.58	674	1669	1669	0	2662	5.05	2590	7	2583	72	8
4790	- 40	- 20	1289	2591	4.30	3500	864	2636	2500	8	40.18	41860	746	7.94	1110	4.45	643	1753	1753	0	2495	5.09	2650	14	2636	- 157	9
4750	40	20	1291	2595	4.30	3500	815	2685	2590	9	39.98	39750	1064	8.06	1140	4.33	614	1754	1754	0	2610	5.03	2560	- 125	2685	250	10
4350	400	202	1301	2615	4.34	3600	921	2679	2613	10	39.82	38090	837	8.00	1130	4.33	614	1744	1744	0	2695	5.13	2720	41	2679	- 27	11
4110	240	121	1299	2611	4.24	3360	638	2722	2562	11	39.65	36330	887	H.D.	803	4.15	573	1376	1376	0	2871	5.33	3060	338	2722	- 189	12
3870	240	121	1278	2569	4.14	3140	483	2657	2587	12	39.52	34980	681	2.33	127	3.94	527	654	654	0	3167	5.18	2800	143	2657	367	13
3580	290	146	1284	2581	4.09	3030	307	2723	2560	13	39.44	34150	418	2.30	124	3.95	529	653	653	0	2795	5.08	2640	- 83	2723	155	14
3580	0	0	1289	2591	3.98	2790	63	2727	2579	14	39.36	33320	418	2.56	153	3.60	455	608	608	0	2600	5.12	2700	- 27	2727	- 100	15
3700	- 120	- 61	1294	2601	3.94	2700	- 33	2733	2582	15	39.34	33120	101	3.12	224	H.D.	187	411	411	0	2390	4.98	2480	- 253	2733	- 90	16
3360	340	171	1292	2597	4.04	2920	191	2729	2595	16	39.19	31560	787	3.26	243	1.40	139	382	382	0	3325	5.36	3110	381	2729	215	17
3240	120	61	1287	2587	3.96	2750	20	2730	2538	17	38.92	28780	1402	3.03	212	1.18	114	326	326	0	3826	5.76	3930	1200	2730	- 104	18
3420	- 180	- 91	1288	2589	3.92	2660	- 71	2731	2600	18	38.63	25830	1487	3.16	229	1.35	133	362	362	0	3785	5.76	3930	1199	2731	- 145	19
3420	0	0	1290	2593	3.94	2700	- 36	2736	2546	19	38.40	23500	1175	3.25	242	1.51	152	394	394	0	3481	5.76	3930	1194	2736	- 449	20
3360	60	30	1295	2603	3.97	2770	19	2751	2586	20	38.07	20150	1689	3.25	242	1.51	152	394	394	0	4065	5.77	3950	1199	2751	115	21
3330	30	15	1303	2619	3.98	2790	20	2770	2621	21	37.84	17860	1155	3.26	243	1.49	149	392	392	0	3553	5.67	3730	960	2770	- 177	22
3420	- 90	- 45	1314	2641	3.97	2770	- 24	2794	2648	22	37.54	14880	1502	3.24	241	1.46	146	387	387	0	3885	5.68	3750	956	2794	155	23
3450	- 30	- 15	1324	2661	3.98	2790	33	2757	2609	23	37.37	13200	847	3.43	267	1.41	140	407	407	0	3230	5.68	3750	993	2757	- 520	24
3510	- 60	- 30	1332	2677	4.00	2830	49	2781	2644	24	37.32	12700	252	3.62	294	1.41	140	434	434	0	2648	5.29	2990	209	2781	- 342	25
3550	- 40	- 20	1328	2669	4.02	2870	65	2805	2679	25	37.24	11910	398	3.60	292	1.40	139	431	431	0	2837	5.22	2860	55	2805	- 23	26
3580	- 30	- 15	1336	2685	3.96	2750	- 48	2798	2540	26	37.26	12110	- 101	3.60	292	1.41	140	432	432	0	2217	5.07	2620	- 178	2798	- 403	27
3610	- 30	- 15	1344	2701	4.03	2900	48	2852	2646	27	37.31	12610	- 252	3.61	293	1.43	142	435	435	0	2215	5.03	2560	- 292	2852	- 347	28
3760	- 150	- 76	1371	2756	4.03	2900	- 66	2966	2634	28	37.43	13790	- 595	3.60	292	1.45	145	437	437	0	1868	4.89	2360	- 606	2966	- 492	29
3830	- 70	- 35	1383	2780	4.10	3050	39	3011	2639	29	37.42	13700	45	3.62	294	1.48	148	442	442	0	2653	4.81	2250	- 761	3011	- 403	30
3910	- 80	- 40	1374	2762	4.13	3120	93	3027	2605	30	37.72	16670	- 1497	3.62	294	1.50	151	445	445	0	1178	5.03	2560	- 467	3027	- 1382	Oct 1
4230	- 320	- 161	1371	2756	4.23	3340	296	3044	2939	Oct 1	37.87	18150	- 746	3.65	299	1.50	151	450	450	0	2144	4.92	2400	- 644	3044	- 256	2
	117940	86683					403828						63421						230574					200478		45896	
	68530	34548					14822						22397						2337					28843		15818	
	49410	52135	195777	388687		939590	389006	550584	388887				41024		169270		129466	298736	228257	72479	681878		651800	171635	480165	30078	

ALL DISCH

PLATE NO X

KA		NEEDLE	DATE	LAKE	P.A.L.AT.		N.S.T.F.CAN		PA.+N.S.T.F.CANALS			S.S.T.F CANAL				MIL. LOW LIFT CAN.				MIL.	MILNER				MIN.
STD	NOR	MINUS LOSS	1926	MIL GAGE	GAGE	DISCH	GAGE	DISCH.	TOTAL	STD.	NOR.	GAGE	DISCH.	STD.	NOR.	GAGE	DISCH	STD.	NOR.	THEO BAL.	GAGE	DISCH	STD.	NOR.	MIL. LOSS
1799	2751		Aug 17	9.32	1.81	48	7.15	2140	2188	1667	321	7.42	1880	- 526	2406	1.99	46	22	24	- 164	1.48	11	11	0	175
1363	2717		18	9.25	1.81	48	7.12	2120	2168	1851	317	7.67	2000	- 376	2376	2.01	47	23	24	- 115	1.48	11	11	0	126
1393	2737		19	9.32	1.81	48	7.13	2130	2178	1859	319	7.67	2000	- 394	2394	2.02	48	24	24	- 96	1.49	J2	12	0	108
1478	2692		20	9.39	1.81	48	7.20	2160	2208	1894	314	7.68	2010	- 344	2354	2.05	47	25	24	- 97	1.50	12	12	0	109
516	2634	93	21	9.44	1.81	48	H.D.	1820	1868	1561	307	7.78	2050	- 253	2303	H.D	36	12	24	196	1.48	11	11	0	- 185
557	2593	- 436	22	9.50	1.81	48	2.60	432	480	184	296	7.98	2150	- 73	2223	H.D	46	22	24	424	1.48	11	11	0	- 413
192	2602	- 340	23	9.52	1.81	48	2.63	440	488	185	303	8.05	2200	- 75	2275	H.D	36	12	24	- 314	1.48	11	11	0	325
244	2614	- 237	24	9.54	1.81	48	2.68	453	501	196	305	8.05	2200	- 85	2285	2.04	49	25	24	- 380	1.48	11	11	0	391
196	2586	- 211	25	9.45	1.84	48	2.77	478	526	225	301	8.08	2200	- 61	2261	2.06	49	25	24	- 385	1.48	11	11	0	396
321	2731	433	26	9.38	1.84	48	2.76	475	523	204	319	8.08	2200	- 185	2385	2.07	48	24	24	- 361	1.46	11	11	0	372
206	2606	75	27	9.35	1.84	48	2.75	472	520	216	304	8.09	2210	- 68	2278	2.05	47	23	24	- 377	1.47	11	11	0	388
233	2605	1	28	9.36	1.85	48	2.76	475	523	219	304	8.08	2200	- 77	2277	2.05	47	23	24	- 400	1.47	11	11	0	411
184	2594	- 347	29	9.31	1.85	48	2.75	472	520	222	298	8.02	2170	- 62	2232	H.D	40	16	24	- 360	1.47	11	11	0	371
310	2550	324	30	8.82	1.85	43	2.73	467	515	218	297	7.63	1980	- 249	2229	H.D	38	14	24	- 293	1.46	11	11	0	304
295	2525	49	31	9.04	H.D.	44	2.72	464	508	214	294	7.70	2020	- 187	2207	2.01	47	23	24	- 345	1.47	11	11	0	356
445	2585	- 56	Sept 1	8.98	1.85	48	2.72	464	512	211	301	7.67	2000	- 260	2260	2.03	48	24	24	- 420	1.46	11	11	0	431
183	2593	48	2	8.93	1.85	48	H.D.	1330	1378	1076	302	7.67	2000	- 267	2267	2.06	47	23	24	- 1015	1.46	11	11	0	1026
653	2567	- 114	3	8.93	1.85	48	6.03	1660	1708	1409	299	7.68	2010	- 234	2244	2.09	47	23	24	- 545	1.46	11	11	0	556
693	2567	- 343	4	9.78	1.85	48	5.96	1630	1678	1379	299	7.67	2000	- 244	2244	2.09	47	23	24	- 465	1.46	11	11	0	476
728	2612	- 162	5	8.73	1.85	48	5.96	1630	1678	1373	305	7.68	2010	- 273	2283	2.10	47	23	24	- 395	1.45	11	11	0	406
957	2643	- 21	6	8.72	1.85	48	H.D.	1310	1358	1050	308	7.90	2110	- 201	2311	2.10	47	23	24	85	1.45	11	11	0	- 74
109	2591	9	7	8.63	1.85	48	2.59	416	464	162	302	7.97	2150	- 115	2265	2.10	47	23	24	39	1.44	10	10	0	- 29
7	2583	72	8	8.68	1.85	48	2.57	411	459	158	301	7.92	2120	- 138	2258	2.09	49	25	24	- 38	1.45	11	11	0	49
14	2636	- 157	9	9.11	1.85	48	2.47	385	433	126	307	7.93	2130	- 175	2305	2.09	49	25	24	38	1.46	11	11	0	- 27
125	2685	250	10	9.14	1.85	48	2.45	380	428	115	313	7.98	2150	- 198	2348	2.09	49	25	24	- 67	1.44	10	10	0	77
41	2679	- 27	11	9.44	1.85	48	2.49	390	438	126	312	8.56	2520	177	2343	2.09	49	25	24	- 287	1.46	11	11	0	298
336	2722	- 189	12	9.46	1.85	48	H.D	289	337	19	318	8.92	2700	320	2380	2.09	49	25	24	- 26	1.54	13	13	0	39
143	2657	367	13	9.58	1.85	48	1.32	0	48	- 262	310	8.81	2670	347	2323	2.10	49	25	24	33	2.13	41	41	0	8
83	2723	155	14	9.68	1.85	48	1.32	0	48	- 270	318	8.84	2660	279	2381	2.10	49	25	24	- 117	2.10	39	39	0	156
27	2727	- 100	15	9.76	1.85	48	1.32	0	48	- 270	318	8.83	2660	275	2385	2.10	49	25	24	- 57	2.10	39	39	0	96
253	2733	- 90	16	9.74	1.85	48	H.D.	108	156	- 163	319	8.85	2670	280	2390	2.10	49	25	24	- 395	2.09	38	38	0	433
381	2729	215	17	10.14	1.86	49	2.48	416	465	147	318	8.84	2660	273	2387	2.10	49	25	24	- 64	1.62	17	17	0	81
200	2730	- 104	18	10.71	1.85	48	2.64	459	507	186	321	8.67	2570	161	2409	2.10	49	49	0	804	1.84	25	25	0	- 779
1199	2731	- 145	19	11.00	1.85	48	5.65	1550	1598	1277	321	8.63	2550	140	2410	H.D	43	43	0	- 261	1.96	31	31	0	292
1194	2736	- 449	20	10.76	1.85	48	5.99	1700	1748	1426	322	8.61	2540	126	2414	2.13	50	50	0	- 408	1.82	24	24	0	432
1199	2731	115	21	10.63	1.85	48	5.66	1570	1618	1294	324	8.56	2510	83	2427	2.11	49	49	0	- 227	1.76	23	23	0	250
960	2770	- 177	22	10.53	H.D.	40	5.57	1520	1560	1234	326	8.56	2510	66	2444	2.10	49	49	0	- 389	1.74	21	21	0	410
956	2794	135	23	10.30	DRY	0	5.51	1500	1500	1171	329	8.49	2470	5	2465	2.10	49	49	0	- 269	1.70	20	20	0	289
993	2757	- 520	24	10.24	DRY	0	H.D.	1050	1050	726	324	8.35	2370	- 63	2433	2.09	49	49	0	281	1.70	20	20	0	- 261
209	2781	- 342	25	10.16	DRY	0	3.65	789	789	462	327	8.20	2260	- 194	2454	2.08	48	48	0	- 107	1.72	20	20	0	127
55	2805	- 23	26	10.16	DRY	0	3.62	786	786	456	330	8.16	2240	- 235	2475	2.08	48	48	0	- 214	1.70	20	20	0	234
178	2798	- 403	27	10.33	DRY	0	3.43	716	716	387	329	8.08	2200	- 269	2469	2.09	49	49	0	- 345	1.68	19	19	0	364
292	2852	- 347	28	10.32	DRY	0	2.72	492	492	156	336	8.02	2170	- 346	2516	2.09	49	49	0	- 151	1.67	19	19	0	170
606	2966	- 492	29	10.22	DRY	0	2.36	401	401	52	349	8.02	2170	- 447	2617	2.08	48	48	0	- 259	1.60	18	18	0	277
761	3011	403	30	9.78	DRY	0	2.00	309	309	- 45	354	7.85	2080	- 577	2657	2.09	49	49	0	- 188	1.60	16	16	0	204
467	3027	- 1382	Oct 1	10.44	DRY	0	1.42	196	196	- 160	356	7.83	2080	- 591	2671	DRY	0	0	0	284	1.64	18	18	0	- 266
644	3044	- 256	2	10.64	DRY	0	1.40	193	193	- 165	358	7.78	2050	- 636	2686	DRY	0	0	0	157	1.65	18	18	0	- 139
2470		45836							175842				49653					9861		4634					39564
8785		18818							17353				13221					7		37653					43443
695	400105	300762				6,824		251948	258772	150,497	100283		415020	36432	378588		11027	9854	1173	-33019		2201	2140	61	35220

ALL DISCHARGE QUANTITIES ARE GIVEN IN SECOND FEET UNLESS OTHERWISE NOTED AT TOP OF COLUMN

Only stored water quantities are tabulated for the Lorenzo station. Complete segregation of flow would, in this case, involve consideration of all water by-passed through the Great Feeder and this could hardly be shown satisfactorily without the addition of complicated tables to the already voluminous summary herein presented. Losses and gains between the Heise and Lorenzo stations were computed to determine the amounts deducted throughout the season as storage transmission loss and will be discussed further on in this report.

Storage released from the Emma Matilda and Two Ocean Lake Reservoirs is shown under the heading, Twin Lakes.

A record was kept for most of the season of the inflow into the river from the socalled Market Lake Springs, but, as this water is treated as storage used to supply the Sheppard Canal and was discharged at the rate of 5 second-feet or less, the data were purposely omitted from these tabulations.

Attention should perhaps be directed to the partial season records which have been included for the Robertson Station on Snake River. This station was installed about the middle of the summer by the Twin Falls Canal Company under an agreement which provided for its operation by District No. 36 during the balance of the season for the purpose of securing more detailed information about channel losses and gains between the Blackfoot Bridge and Clough stations. Whether or not these data will be of sufficient use in river administration to warrant permanent maintenance of the station has been left for later decision by the Committee of Nine.

The 24 second-feet of normal flow which was credited to the Milner Low Lift Irrigation District from August 10 to September 14 inclusive represents that portion of a temporary transfer from the Long Island Canal which should pass Blackfoot Bridge after the 17½ per cent penalty and 6 per cent transmission loss have been deducted. Because of the involved bookkeeping required for such a long range transfer it seems desirable in the future to limit other transactions of this character to canals within the same transmission loss zone.

Operation of the American Falls Reservoir for the first season introduced new complications and made it necessary to change the methods previously used to segregate the flow past the Neeley gaging station. These changes will be discussed in another section of this report in connection with storage deliveries.

Penalties accruing to Lower Valley canals from exchanges of normal flow for storage and temporary transfers of water have not been separately accounted for in these tables but will also be covered under the heading of storage deliveries.

In most other respects the river data presented herein conform and are consistent with the similar tables contained in former reports.

SEGREGATION OF FLOW

Plate XI shows graphically both the total discharge and the computed normal flow past the Moran and Heise gaging stations during the season of 1926. The difference between the total and normal flow graphs on any date, of course, indicates storage.

HYDROGRAPHS SHOWING TOTAL FLOW AND NORMAL FLOW AT THE MORAN AND HEISE GAGING STATIONS.
1926 DISTRIBUTION WATER DISTRICT NO. 36

PLATE XI

May | June | July | August | September | October

DISCHARGE IN CUBIC FEET PER SECOND

20,000
16,000
12,000
8,000
4,000

LEGEND
ACTUAL TOTAL DISCHARGE ——
COMPUTED NORMAL FLOW .....

HEISE
HEISE
HEISE
HEISE
HEISE
MORAN
MORAN
MORAN
MORAN
MORAN

These graphs are plotted from the special day discharges with the time interval adjusted to make them coincide with the nearest regular day at Heise. For example, the Heise data shown for July 20 really represent mean quantities for the 24 hour period ending at 4 a.m. on July 21, while the indicated Moran data for July 20 are means for the 24 hour period ending at 4 a.m. on July 20.

While these diagrams are merely a graphical representation of some of the numerical quantities contained in the tables of Plates VIII, IX and X, they will be of interest and perhaps of some assistance in connection with the explanations and discussions which have preceded as well as those which follow.

The irregularities noted in the Heise normal flow after about August 2 are undoubtedly due very largely to the fact that the single time interval used is too short for proper application during the lower river stages which pertained during the balance of the season. The net effect is similar to that usually experienced on rapid changes of river stage and attributed to increments from or loss to adjacent ground water reservoirs, depending respectively upon whether the river dropped or rose. In reality some of the more pronounced fluctuations are probably due to variable combinations of the two above mentioned factors and actual changes attributable to rains, with the time interval increasing in relative importance as the river stage diminishes.

Total discharges at both stations, with the exception of the period June 18-24 which is accounted for by the normal flow-storage exchange equalization, were more uniform than usual. This was made possible because of the regulatory influence of the American Falls Reservoir.

UPPER VALLEY STORAGE DELIVERIES FROM JACKSON LAKE, TWIN LAKES & MARKET LAKE.

The amount of stored water released each day from Jackson Lake was determined from the reservoir capacity tables by noting the quantity corresponding to the daily decrease in stage indicated by the lake gage readings. Occasional irregularities in the latter, attributable to wind effect, were largely eliminated by short period interpolations or adjustments.

This method of determining the proportion of the total daily flow passing the dam and the Moran gaging station, which is stored water, has been in use for several years. Its use assumes a certain balancing of comparatively unknown factors. Normal flow rights should obtain the benefit of such natural storage as would have been created in the old lake during flood periods and they should not be required to stand the extra evaporation loss attributable to the larger flooded area of the present reservoir. On the other hand the storage owners should obtain the benefit of all the additional ground or bank storage which results from the increased elevation of the water surface in the lake.

The primary object of the investigations conducted during 1924 by Thomas R. Newell and for several years previous by employees

of the U. S. Bureau of Reclamation was to secure a more accurate segregation between stored water and normal flow at the outlet of the reservoir. The data thus secured indicate that the method just described is not strictly applicable under all conditions of river flow and reservoir operation, but hardly suffice as yet to warrant the preparation and adoption of any more equitable plan of division.

The storage transmission loss schedule agreed upon for 1926 (which is the same as that used in both 1924 and 1925) provided for flat deductions of 2.5 per cent between Moran and Heise, 0.5 per cent between Lorenzo and Woodville and 6.0 per cent between Woodville and Blackfoot Bridge, but after fixing a minimum of 3.0 per cent left the actual amount to be deducted for the section from Heise to Lorenzo to be determined by what is called the "two day mean method". Under this method the percentage loss actually applied each day is the mean of the computed losses for the two preceding days as these are evolved from the following equation:

$$\text{Percentage loss} = \frac{\text{actual daily loss}}{\text{Approximate average flow in section}} = \frac{U + T - D - L}{\frac{1}{2}(U + T + L)}$$

Where U equals total flow at upper river station (Heise in this case)
T " inflow from tributary streams entering within section
D " total diversions throughout section
L " total flow at lower river station (Lorenzo)

3.0 per cent, however, was always applied on days for which the mean loss, thus derived, was less than this amount.

Plate XII contains hydrographs for both the Heise and Lorenzo stations together with curves, which exhibit the computed daily losses and gains between the two points, not only in percentage, but also in second-feet. These diagrams have all been adjusted to make them correspond to the nearest Heise dates.

HYDROGRAPHS ILLUSTRATING NET LOSSES AND GAINS BETWEEN HEISE AND LORENZO GAGING STATIONS
1926 DISTRIBUTION WATER DISTRICT No 36.

PLATE XII

May | June | July | August | September | October

1000 GAIN
0
1000 LOSS

LOSS OR GAIN — HEISE TO LORENZO — (SECOND-FEET)

20,000 GAIN
5%
0
5% LOSS
16,000

LOSS OR GAIN — HEISE TO LORENZO — (PERCENT)

DISCHARGE IN CUBIC FEET PER SECOND

12,000
8,000
4,000

HEISE
LORENZO

HEISE
LORENZO
HEISE
LORENZO

1000
0
1000
10%
5%
0%
5%
10%
15%
20%
12,000
8,000
4,000

The pronounced tendency for percentage losses to increase as river discharges decrease, to which attention has been called in former reports, is here again noted. Considering this fact alone we would naturally expect the 1926 losses in this section to be greater than those of the preceding year and almost as heavy as those of 1924. In reality, however, the average applied transmission loss for the entire period of storage delivery was this year only 3.9507 per cent in comparison with 4.1763 per cent in 1925 and 5.2424 per cent in 1924. This smaller loss is thought to be due in part to the transmission of most of the Jackson Lake Storage during the early part of the summer before the very low river stages were experienced and in part to the generally higher ground water levels which prevailed in the early part of the 1926 season. (See pages 44-46 for further discussion of ground water conditions).

Transmission deductions for all storage delivered to canals diverting above the Blackfoot Bridge gaging station were computed upon the basis of losses to Woodville, as specified in the purchase contracts. Obviously it would be impracticable to calculate losses to the heading of each individual canal and this group method was doubtless originally adopted to avoid the necessity for such procedure. Since more than half the Jackson Lake storage owned in the upper valley is diverted above the Woodville station and the balance within a distance of about twelve miles below that point, this plan would seem to be at least reasonably fair to all concerned. 1926 computations show that upon the basis of the final seasonal loss these canals should have received at their headgates 93.1041 per cent of the stored water turned out for them at Moran.

1926 DISTRIBUTION WATER DISTRICT NO 36

JACKSON LAKE, T

	JUNE 3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
POPLAR IRRIGATION DIST.															7	13	11	11	3	16	13
PROGRESSIVE IRRIG DIST																					
FARMERS FRIEND CANAL CO																	-9	-5	-10	-4	-6
ENTERPRISE CANAL CO																			-1	-1	-1
E HOLT (NELSON)																			-4	-7	-7
MATTSON CRAIG CANAL CO																					
ARNSBERGER																	-318	-446	-448	-447	-447
HARRISON CANAL & IRRIG CO																				-3	-3
CHENEY & FORBUSH																	-660	-935	-985	-935	-936
IDAHO IRRIG DIST (BOOMER & IDAHO)																	-33	-32	-32	-32	-32
RUDY CANAL CO				15	32	31	31	29	29	29	29	31	29	28	28	129	-6	-9	-9	-9	-8
KITE & NORD CANAL																	-577	-771	-711	693	-613
BURGESS CANAL & IRRIG CO																	-19	-51	-51	-51	-51
LOWDER CANAL CO (LOWDER) JENNINGS																					
LABELLE CANAL CO (E LABELLE)																					
SUNNYDELL IRR DIST (CON FEEDER)																122	22	15	20	14	24
LENROOT CANAL CO																	-25	-36	-36	-36	-36
REID CANAL CO																					
LONG ISLAND CANAL CO																					
ENTERPRISE IRRIG. DIST.																					
DILTS CANAL CO																	-14	-26	-26	-26	26
PARKS & LEWISVILLE CAN CO.																					
BUTTE & MARKET LAKE CAN CO.																	-189	-322	-322	-322	-322
SHEPPARD & CO.																					
UTAH-IDAHO SUGAR CO (OSGOOD)																	+11	43	47	47	49
JD KENNEDY																					
KM NANDORF (BEAR ISLAND)																			2	2	
CD SMITH																					
NEW SWEDEN IRRIG. DIST																			371	536	-357
MARTIN CANAL CO.	+11	18	17	18	17	18	17	23	24	23	24	23	24	23	8				-2	-5	-4
WOODVILLE CANAL CO																	-58	-86	-84	-86	-87
SNAKE RIVER VALLEY IRR DIST																	-402	-600	-400	-200	-200
TOTAL PLUS	11	18	17	33	49	49	48	52	53	52	53	54	53	51	43	64	44	69	82	79	94
TOTAL MINUS	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2378	3579	3757	3673	3439
TOTAL HEISE TO WOODVILLE	11	18	17	33	49	49	48	52	53	52	53	54	53	51	43	64	-2334	-3570	-3675	-3594	-3345
US INDIAN SERVICE (RESERVATION)																	-210	-333	-333	-333	-333
BLACKFOOT IRRIGATION CO																	-96	-147	-147	-147	-78
NEW LAVA SIDE DITCH CO																	-281	-422	-422	-422	-422
PEOPLES CANAL & IRRIG CO																	-833	-1249	-1249	-1249	-604
ABERDEEN-SPRINGFIELD CAN CO																		-11	-37	-36	-39
CORBETT SLOUGH DITCH CO																				-79	96
RIVERSIDE DITCH CO																					
DANSKIN DITCH CO																	-36	-64	-64	-64	-64
TREGO DITCH CO																					
WATSON SLOUGH DITCH CO																					
PARSONS DITCH CO																					
MINIDOKA PROJECT CANALS																					
NORTH SIDE CANAL CO LTD																					
MILNER LOW LIFT IRRIG DIST.																					
TOTAL PLUS	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTAL MINUS	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	-456	-2226	-2752	-2300	-1656
TOTAL WOODVILLE TO BLACKFOOT	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	-456	-2226	-2752	-2300	-1656
TOTAL UPPER VALLEY CANALS																					

LAKE, TWIN LAKES & MARKET LAKE STORAGE DELIVERIES (REGULAR

25	26	27	28	29	30	July 1	2	3	4	5	6	7	8
10	10	3	17	6	16	6	15	15	13	11	11	15	21
						-247	330	-335	395	335	39	+59	+66
						106	91	109	5	76	113	112	116
-7	-8	-7	-7		+5	5	5	5	4	5	4	1	
				-6	-6	-6	-6	-6	-6	-6	-6	-6	-6
92	1164	164	158	159	158	158	158	-132	-295	-299	-299	-297	-299
									-4	-3	-4		
59	367	368	386	365	349	322	320	313	242	203	194	-204	-195
1	42	42	45	42	40	40	39	33	33	30	137	-76	-132
9	-9	-9	9	-8	-5								
85	+179	187	179	176	179	179	1183	354	-622	-622	-622	622	-101
12	14	20	-26	-26	-26	-26	-26	-26	-26	-26	26	-26	-26
									-92	-132	-95	-62	-71
3	10	17	18	19	115	-29	-71	-69	-78	-68	-72	-23	+6
34	-34	-32	+47	96	97	98	96	90	93	93	93	95	34
34	-65	-75	-79	-79	-79	-80	-57	-33	-35	-39	-48	-43	-53
							-29	-87	-71	-81	-91	-94	-110
26	-1	+23	17	23	21	22	7					23	26
322	-322	-322	-322	-322	-322	-322	-127						
39	40	40	40	40	41	40	40	40	+16	-33	-33	+20	44
-1	-1	-2	-1	-1	-8	-12	-3	-3	-3	-3	-3	-6	
								2					
1	1							1					
56	-161	+25	22	37	38	31	34	27	31	27	24	33	-149
-5	-2		+7	23	24	23	24	23	24	23	18	8	4
37	-4	+44	44	42	42	43	43	44	58	66	66	66	53
00	+261	533	552	565	560	558	+53	-200	-200	-200	-200	+305	554
75	769	1181	1241	1334	1341	1322	804	371	383	372	369	677	907
47	495	836	831	807	795	797	886	1533	1913	2011	2064	1534	1133
12	-726	+345	+410	+527	+546	+525	-87	-1182	-1530	-1639	-1695	-857	-226
													-597
33	333	-333	-70									-241	-361
42	-53	-49	-49	-17									
22	-22	-22	+252	353	388	390	390	387	388	388	388	+115	-23
+1	1	608	888	876	873	876	876	873	870	873	870	291	1
39	39	-27	-3	-5	-8	-11	-55	-53	-53	-53	-56	-53	-58
96	-96	-41		+10	18	18	18	17	17	18	18	8	
64	-64	-64	-64	-64	-18	+4	3	5	11			-43	-66
1	1	608	1140	1239	1279	1288	1287	1282	1276	1279	1276	414	1
96	607	536	186	86	26	11	-55	-53	-53	-53	340	480	-567
90	606	+72	+954	+1183	+1283	+1277	+1232	+1229	+1223	+1226	+936	-66	-506

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
15	20	24	17	10	13	12	15	15	18	25	26	24	24	24	2
35	159	153	+57	159	159	159	159	160	157	140	163	167	153	119	
11	68	25	35	34	70	86	77	77	103	116	108	94	91	87	6
										2	5	6	2		
-6	-6	-6	-6	-6	-6	-6	-3			13	5	6	6	5	5
13	+158		+165	158	155	158	158	155	278	398	398	160	-51	-55	-57
206	-213	-213	-220	-233	-226	-229	-207	-32	-84	-71	65	-76	-84	71	-62
32	+34	-13	+48	46	46	47	43	51	47	47	51	48	48	47	45
															5
152	164	149	160	164	156	168	164	171	+284	103	368	368	+444	404	420
+24					26	26	128	-8	-26	-13					139
69	-21														
3	7	2	18	14	20	20	23	27	27	28	28	28	38	42	40
										61	93	116	120	140	135
43	45	44	50	52	24										
90	90	100	110	70	101	90	93	73	75	75	72	64	75	68	8
													23	44	43
23	10						17	30	28	34	30	28	9		
		102	182	146	147	131	149	22	+155	155	153	160	154	153	153
47	41	41	41	41	47	59	58	65	71	72	73	74	76	78	77
	2		2	2	2	2	2	2		2	2	2			
							1								1
286	273	274	104	6	+21	20	233	477	422	429	449	443	440	329	254
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
42	47	49	47	48	+37	40	39	42	43	42	46	51	50	48	47
65	556	401	205	150	143	140	140	138	136	130	137	138	138	136	134
031	1083	699	742	682	799	841	1061	1264	1673	1608	1671	1344	1400	1560	1481
45	829	301	719	561	504	476	447	135	185	262	505	508	210	194	220
186	+254	102	+23	121	+295	365	614	1129	1433	1346	1166	836	1190	1366	1267
598	598	598	598	599	599										
361	122														
						237	357	357	357	118					
		98	147	149	52						147	75	76	75	29
23	23	140	14	403	401	403	403	400	1118	23	23	23	24	23	23
1	1	870	435	1	1	1	634	945	942	942	972	984	984	987	981
59	59	58	58	59	12	9	15	14	12	13	10	8	7	9	9
								1	4	2	8	15	15	17	15
														46	171
65	65	66	23	4	3	3	5	3	2						
										68	93	92	24		
1	1	—	4	404	402	404	1037	1346	1064	944	1027	1074	1035	1079	1028
106	867	1830	1261	811	666	249	377	374	371	222	126	123	55	77	20
103	366	1830	1257	407	264	+155	+660	+972	+693	+722	+901	+951	+1020	+1002	+826

70	26	27	28	29	30	31
21	20	20	20	19	19	
19	18	20	17	18	18	
68	66	67	68	66	65	
5	4	4	4	4		
56	1209	401	401	401	401	
76	67	70	72	72	52	
49	48	48	49	46	47	
8	7	7	3			
400	408	426	404	404	411	
58	57	57	44	46	344	
40	35	34	36	39	35	
19	54	2				
95	97	102	99	99	99	
42	70	56	64	63	63	
	20	31	34	34	32	
155	145	153	151	150	153	
77	89	89	78	77	75	
2	2	2	2			
			1		1	
258	259	238	231	221	219	
4	3		4	-4	-4	
45	45	46	45	45	46	
132	132	130	294	407	391	
501	690	810	956	2047	2020	
227	142	172	178	175	185	
234	1532	1638	1778	1872	1835	
235			358	-358	-119	
3	6	8	7			
23	+250	349	391	388	1144	
990	330	1	1	1	1	
8	-3	-9		+4	6	
18	20	20	19	10	2	
171	171	43				
	28	40	36	32	34	
1011	634	458	454	335	157	
440	174	52	358	356	119	
571	460	406	96	77	238	

(REGULAR % EXCHANGE) — UPPER VALLEY

| | | |

PLATE NO. XIII

25	26	27	28	29	30	TOTAL −	TOTAL +	1% PENALTY CHARGE	TRANSFER CREDIT OR DEBIT ACRE FT. BASIS	ADJUSTMENT (+) OR (-) ACRE FT.	NET DELIVERY ACRE FT.	JACK LAKE EQUIVALENT ACRE FT.	JACK IAN RIGHT ACRE FT.	J.L EQUIV AMTLS PT ACRE FT	TRANSFER CREDITS J.L BASIS	TOTAL J.L SEASON ACRE FT.
							926*									
											+1837	+1973	1200	45	+902	2147
						1621	1121	284	+141					902	-902	0
						421	3228	74	- 41	-35	-149	- 160	2000		-2000	0
						6		1		+2840	+5693	+6030	6100	631	+ 140	6871
						47	53	8		-5	- 10	- 11				0
						111	51	19	+ 41	+4	+28	+ 30				0
						4601	6284	805	-615	+0	0	0			+ 40	40
						41	3	7		+1873	+3715	+3998	5000	721		0
						13882		2429	+11974	-31	- 61	- 66				5727
						1240	1876	217		+3321	+1033	+1109				0
						114	87	20		+1853	+1692	+1817	2000	1623		1623
						7731	8557	1353		-7	- 14	- 15				2000
						666	1113	117		+2179	+4322	+4642	5120	461		0
						542		95	+ 447	+1564	+1119	+1202	1040			3571
						410	1453	72	+ 504	0	0	0				1040
						269	2427	47	- 60.5	+1609	+3211	+3449	4000			0
						1117	177	196	+ 605	+1600	+3174	+3409	3000	271		4000
						4604		806	+3798	- 129	- 276	- 296		180		3271
							901		- 141	0	0	0				180
						145	674	25	- 447	+1760	+1507	+1619			+1320	0
						745		130	+ 615	+1107	+ 212	+ 228		63		1320
						5081	4635	889	- 303*	0	0	0				63
						303*			+ 303*	+140	+ 278	+ 299		180		0
						66	3976	12	- 52	0	0	0				180
						67	3	12	+ 52	+3870	+7676	+8245	5000	902	+2567	8469
							63		+ 63	0	0	0	355		- 100	255
							15		+ 5	+ 83	+ 125	+ 134		14	+ 100	114
						3732	12325	653	+9246	+ 5	+ 30	+ 32		5	+ 30	35
						30	732	35	+ 707	+9246	+8339	+19697	17500	1627	+ 470	19597
						593	2058	104	-1457	+ 112	+ 1402	+1506	1500	135		1635
						2802	14180	490	- 419	+11449	+ 222	+ 238		541		541
											+22709	+24391	25000	1804		26804
2	0	0	0	0	0	0		66918								
2	—	—	—	—	—	—	50987		8870							
2	0	0	0	0	0	0		15931								
						4187		733	+3454	0	0	0				0
						8737	1171	1529	+6037	0	0	0		902		902
						1346	560	236	+ 160	- 390	- 774	- 831				0
						2791	10603	488	- 3023	+4677	+9277	+ 9964	8000	1353	+ 361	9714
						6509	29141	1139	-3025	+20746	+41149	+44137	42685	2349		45034
						1384	25	242	+1117	0	0	0		361	- 361	0
						574	308	100	+ 166	0	0	0				0
						851		149	+ 702	0	0	0				0
						1206	891	211		- 104	- 206	- 271		90		90
						432		76	+ 356	0	0	0				0
						51		9	+ 42	0	0	0				0
									-1399	-13991	-27751	-29306				0
									-3454	-3454	- 6851	- 7358				0
									-2341	-2341	-4643	-4987				0
—	—	—	—	—	—		42699									
—	—	—	—	—	—	28068		4912								
—	—	—	—	—	—		14691									
										0	+44344	+87955	+94470	129500	13150	2567	147277
						79055	109617	13782								

NOTES

* INCLUDES 54 SECOND FEET DELIVERED TO ENTERPRISE IRRIGATION DISTRICT.

✓ STORAGE CONTRIBUTED TO SNAKE RIVER FROM MARKET LAKE SPRINGS AND NOT USED BY THE SHEPPARD PUMP.

✓ TWIN LAKES STORAGE RELEASED.

ALL DISCHARGE QUANTITIES ARE LISTED IN SECOND FEET UNLESS OTHERWISE NOTED AT THE TOP OF COLUMN.

✓ HARRISON CANAL THROUGH ERROR CREDITED WITH 12.0 SEC. FEET OLIVE DEGREED RIGHT. THIS IS PARTIALLY OFFSET BY STORAGE UNDERDRAFT.

The Minidoka and Twin Falls canals were charged with prorata transmission losses to the Blackfoot Bridge Station and on the basis of season deliveries were entitled to receive at their headgates 87.5179 per cent of the amounts released for them at the Jackson Lake outlet gates.

The same daily transmission losses charged against Jackson Lake Storage were applied to stored water released from Emma Matilda and Two Ocean or Twin Lakes, but no losses were charged against the inflow from Market Lake Springs as this water was all diverted again in the immediate vicinity of its point of entrance to the river.

Plate XIII shows 1926 daily and total storage deliveries to Upper Valley canals from both Jackson Lake and Twin Lakes Reservoirs.

Minus quantities listed on this plate represent credits while plus items show charges or deductions. Wherever minus quantities appear in the daily tabulations they indicate credits acquired by the release of normal flow in exchange for storage.

The eleven columns of the tabular summary in left to right order may be briefly explained as follows:

Column 1. Accumulations from the exchange of normal flow for storage (with single exception described in foot-note).

" 2. Actual storage (both permanent and temporary) diverted.

" 3. Penalty charged against all storage rights acquired through the exchange of water.

" 4. Storage transfers effected upon a head-gate or Woodville River station basis. Plus quantities represent charges and minus quantities show credits.

Column 5. Algebraic sum of amounts listed in columns 1-4, inclusive. The total of this column shows the net amount of storage actually delivered to upper valley canals at their head-gates during the season.

" 6. Quantities in column 5 converted into acre-feet.

" 7. Jackson Lake equivalent of column 6.

" 8. Jackson Lake ownership right.

" 9. Jackson Lake equivalent of 1926 American Falls ownership right. (Existing contracts permit upper valley canals owning storage in American Falls Reservoir to exchange for an equal amount at Jackson Lake. Under the 1926 apportionment of the U. S. Bureau of Reclamation each owner of water in the lower reservoir was entitled to receive 6.441752 per cent of the amount to which they would have been entitled had the full capacity of 1,700,000 acre-feet been available).

" 10. Storage transfers effected upon a Jackson Lake basis (with single exception described in foot-note). Here again the previously outlined significance of plus and minus quantities is applicable.

" 11. Total Jackson Lake and Twin Lakes season rights after taking into account all water sold or transferred.

Comparison of columns 7 and 11 shows the extent to which 1926 storage rights were actually utilized by or for the benefit of Upper Valley canals. The general tendency towards underdelivery is probably due in part, at least, to the fact that the average season transmission loss between Heise and Lorenzo proved to be somewhat less than had been expected, while the revised ratings used for final computations explain most of the small excess deliveries which are indicated as well as account for some of the discrepancies in the opposite direction.

Another factor, which explains some of the differences between recorded draft and rights, is the storage which was released

for the benefit of Upper Valley canals during August and September but because of fluctuations in river stage and resulting reinstatement of normal flow rights really wasted past Blackfoot Bridge. In ordinary seasons this would have been entirely absorbed by Lower Valley demands but in 1926 the regular Jackson Lake rights of the Minidoka and Milner canals had been exhausted and it was therefore necessary either to charge this surplus to the upper appropriators as storage, in which case a normal flow waste past Blackfoot Bridge would have been noted, or else reinstate normal flow rights as nearly as possible in accordance with priorities and consider the extra water to be storage waste. The latter plan appeared to be the fairest and was therefore adopted but in order to simplify the final record book-keeping a part of this waste was consumed in the payment of temporary transfer penalties which would have been included in the normal flow surplus passing Blackfoot had the other plan been used.

The following summary supplements the data on Plate XIII and completes the accounting for all Upper Valley storage rights in accordance with the methods just described:

		Acre-feet
1.	Total 1926 Upper Valley, Jackson Lake and Twin Lakes Rights at reservoirs	147,217
2.	Jackson Lake equivalent of net actual use	94,470
3.	Difference	52,747
4.	Storage remaining in Jackson Lake Reservoir Sept.27	860
5.	Storage released from Jackson Lake but not used in Upper Valley	51,887

6.	Blackfoot Bridge equivalent of item 5	45,410
7.	Blackfoot Bridge equivalent of storage sold by Upper Valley canals for delivery below American Falls	36,892
8.	Difference = Total Upper Valley storage waste past Blackfoot Bridge	8,518
9.	Amount absorbed by temporary transfer penalties loss Milner Low Lift transfer plus Blackfoot Bridge cumulative storage loss (5012 - 1714 + 1039)	4,337
10.	Difference = Net Upper Valley storage waste past Blackfoot Bridge	4,181

Plate XIV contains a summary of all Lower Valley storage or equivalent rights and deliveries and supplements the information contained on Plate XIII.

Daily deliveries to each of the Lower Valley canals are listed on Plates VIII, IX and X.

In former reports a separate tabulation has been included for the purpose of segregating the daily stored water charges between the different sources of supply. Very little additional data of material value is afforded by such a table and for this reason, as well as because of the added complications introduced by the operation of the American Falls Reservoir, it has not been prepared for the 1926 season.

During April when water was being impounded at American Falls some depletion of the Lake Walcott storage resulted. In consequence 106,570 acre-feet rather than the actual maximum recorded amount was fixed as the total 1926 storage to be prorated to the owners of the former reservoir. This factor and the discrepancies arising from the use of two different capacity tables are both cared for in the Lake Walcott-American Falls capacity adjustment item.

TABLE SHOWING SUMMARY OF STORAGE OR EQUIVALENT RIGHTS AND DELIVERIES TO LOWER VALLEY CANALS MAY 1 - SEPT 30, 1926 (NEELEY DATES) ON NEELEY OR HEADGATE DELIVERY BASIS

R26 DISTRIBUTION WATER DISTRICT NO 36. PLATE NO XIV

CHARACTER OF RIGHT	MINIDOKA PROJECT	NORTH SIDE CAN. CO LTD.	TWIN FALLS CANAL CO.	MILNER LOW LIFT IRR DIS	TOTAL SEC FT.	TOTAL ACRE FT.
REGULAR JACKSON LAKE	111703	119507	33788	6619	271617	538744
UPPER VALLEY J.L. PURCHASES	13152	3247		2201	18600	36892
EXCHANGE PENALTY	3701	1089	8165		12955	25696
TEMP TRANSFER PENALTY	722	212	1593		2527	5012
BLACKFOOT RES BLACK RIV DEL	5042	12679			17721	35149
BLACKFOOT RES SNAKE R SUBSTN		11343			11343	22498
AMER FALLS USBR APPORTIONMENT	32846	15390	4583	910	53729	106570
LAKE WALCOTT APR 30-MAY 1 CAP	50175				50175	99520
NET GAIN NEELEY-MILNER	5142				5142	10199
LAKE WALCOTT AF CAP ADJ MT.	539				539	1070
TOTAL	223022	163467	48129	9730	444348	881350
UPPER VALLEY WASTE PAST CLOUGH					2108	4181
TOTAL AVAILABLE					446456	885531
TOTAL ACTUAL DRAFT	228257	159462	37599	9854	435172	863151
UNUSED BALANCE						22380
BALANCE IN AM FALLS RES.						4230
BAL IN LAKE WALCOTT						18150
TOTAL BALANCE						22380

NOTES - AMERICAN FALLS RESERVOIR RIGHTS WERE APPORTIONED ON BASIS OF TABLE SHOWING ZERO CAPACITY AT ELEV. 4292.5 BUT ALL OTHER DATA IN THIS REPORT WERE COMPUTED FROM LATER TABLE WHICH SHOWS ZERO CAPACITY AT ELEV. 4295.66.

STORAGE WASTED PAST MILNER DAM (2140 SEC FT.) HAS BEEN PRORATED AND CHARGED IN THE ABOVE DELIVERIES, 5/11 TO THE NORTH SIDE CANAL CO LTD AND 6/11 TO THE TWIN FALLS CANAL CO, BUT WITH THIS EXCEPTION THE ACTUAL DRAFT TOTALS CORRESPOND WITH THOSE SHOWN AT THE BOTTOM OF PLATE X.

All other quantities found on Plate XIV are believed to be sufficiently explained by the headings and notes to make them understandable.

Differences in interpretation of certain contract paragraphs resulted in some controversy during the summer concerning the American Falls rights of the Idaho Power Company but since the latter did not press their claims to the detriment of the irrigation interests and since no storage was released between May 1 and Sept. 30 except for irrigation use, the Power Company rights will not be discussed herein.

All storage delivered to Lower Valley Canals has been computed as the difference between their total draft and the normal flow to which they were entitled under record rights and determined from the amount of the latter passing the Neeley gaging station at a corresponding time. This method has been used for many years but because of the operation of the American Falls Reservoir a new means of determining the normal river flow at Neeley was made necessary.

During the summers of 1924 and 1925 U. S. Bureau of Reclamation hydrographers had been engaged in measuring surface inflow into the reservoir basin. A summary of the results of this work showed that based upon a 10 summer month average 53% of the total inflow between the Clough and Neeley gaging stations was actually measured in 23 or more separate streams.

This work was continued in 1926 by Messrs. Smith and Anderson of the U. S. Bureau of Reclamation, and was checked at frequent intervals during the season by Messrs. Coffin and Judah,

Water District No. 36 hydrographers, also by Messrs. Steward and Haight of the Twin Falls Canal Company. Preliminary discharge summaries were forwarded to the Idaho Falls office every three or four days throughout the summer. These measured totals were then divided by 0.53 to determine the entire inflow between the two base river stations and this in turn was added to the normal flow passing the Clough station to give the normal flow at Neeley 14 hours later. Slight corrections were made every few days to take account of changes in the measured quantities since the last preceding report.

As the season progressed it became evident from unaccounted for gains in the American Falls Reservoir that the 0.53 coefficient was too large to give correct results for 1926 but as there was no assurance that this would continue to be the case throughout the distribution period it seemed desirable to postpone definite readjustments as long as possible.

In a letter sent to all Lower Valley Stored Water Users on July 31, attention was called to the situation and to the probability that credits would be available from this source but, as there appeared at the time to be no particular urgency, distribution of these gains was not made until September 8. By this latter date the amount to be credited had gradually increased to a total of about 31,500 acre-feet of which two thirds was assumed to be attributable to faulty coefficients and one third to bank storage return. Under the distribution then made the Twin Falls Canal Company received a credit of nearly 20,000 acre-feet which

apparently was much more than had been anticipated by them and coming so late in the season was of little benefit, whereas the prorating of even the smaller amount then available, about the middle of August, would have helped materially in the last irrigation of the bean crop.

Too little information is available to make an absolutely equitable segregation of 1926 American Falls Reservoir gains and losses possible. Storage interests should bear the extra evaporation and deep percolation losses but should benefit from the bank storage return while all these are merged with the errors incident to inaccurate normal flow determination as above described.

Study of the past season's data indicates that if the bank storage return can be assumed to exactly offset the excess evaporation and deep percolation losses attributable to the reservoir an average uniform coefficient of 0.499 would have been almost exactly applicable to the Neeley normal flow determination for the months of June, July, August and September. Flood water originating above and at some distance from the reservoir is probably responsible for the materially larger coefficient (0.53) which must be used for the month of May.

While these results appear somewhat inconsistent in comparison with those obtained during the two preceding years it is believed that their use introduces no serious errors and makes the balancing of accounts somewhat easier. Furthermore, the average daily net gain between the Clough and Neeley stations obtained in

this way, as pointed out further on in this report, is consistent with gains noted during previous seasons of similar climatic conditions. For these reasons the computed daily inflow from Clough's to Neeley as shown on Plates VIII, IX and X was obtained from the measured inflow totals as above described by the use of the 1926 coefficients, except that for convenience the inflow was multiplied by the reciprocals of the latter which gradually increased from 1.80 on May 1 to 2.01 on June 1 and each day thereafter throughout the balance of the season.

During the last part of September the Twin Falls Canal Company did not require all the normal flow to which they were entitled and this surplus became available for the use of the Minidoka and North Side canals. These underdrafts on the part of the former continue to show as credits, however, while the use of the water by the latter is reflected in the storage charged against them. For this reason the discrepancies between total storage rights and actual draft as shown on Plate XIV are considerably greater in the case particularly of the Twin Falls Canal Company and the Minidoka Project than would otherwise be indicated.

Lower Valley regulation was materially facilitated by the use of the American Falls Reservoir as an equalizing basin and in consequence no avoidable waste was allowed to pass Milner Dam at any time during the summer. The ordinary leakage through the dam at Milner was prorated in the usual way in proportion to ownership of the structure.

RIVER LOSSES AND GAINS

Losses and gains throughout different sections of Snake River are included in the data contained on Plates VIII, IX and X, but the changes in the quantities and the relation which these changes have to the discharge of the river at different points are much more readily noted when indicated graphically.

Plate XV contains hydrographs of the total flow passing the Heise, Woodville and Blackfoot Bridge gaging stations during the period from May 10 to September 30, together with graphs showing the net losses and gains in the two intervening sections. All are plotted to the same scale and with a time interval allowance to make them coincide with Heise dates.

In general these curves correspond and have the same characteristics as those contained on similar plates in preceding reports. Their greater uniformity and lack of frequent pronounced fluctuations should be noted and attributed chiefly to the more even regulation made possible through the use of the American Falls Reservoir as an equalizing basin.

The average gains and losses in the two sections Heise to Woodville and Woodville to Blackfoot Bridge respectively, differ very little from the means noted for the same sections in 192

At different times during the five preceding years nine separate sets of measurements have been obtained covering all surface waste and return flow entering Snake River between the Woodville and Clough gaging stations, all of which have been summarized and discussed in previous reports.

HYDROGRAPHS ILLUSTRATING NET LOSSES AND GAINS BETWEEN HEISE AND BLACKFOOT BRIDGE STATIONS.
1926 DISTRIBUTION WATER DISTRICT NO. 36

PLATE XV.

May | June | July | August | September | October

HEISE TO WOODVILLE

1000 GAIN
0
1000 GAIN LOSS

WOODVILLE TO BLACKFOOT BRIDGE

1000 LOSS

DISCHARGE IN CUBIC FEET PER SECOND

16,000
12,000
8,000
4,000

HEISE
WOODVILLE
BLACKFOOT BR.

HEISE
WOODVILLE
BLACKFOOT BRIDGE

HEISE
WOODVILLE
BLACKFOOT BR.

The following tabulation makes available the results of another similar investigation carried on during the low water period of 1926:

Right Bank River			Left Bank River		
Name	Date	Amt.	Name	Date	Amt.
Pugal Gulch	8/30	0.00			
Roadside	"	0.00			
Woodville Bridge					
#1	8/30	0.00	#1 (Snake River Valley)	8/30	0.00
#2	"	1.50	#2	"	0.00
#3-5	"	0.00			
#6 (Woodville)	"	0.30			
#7	"	0.00			
#8 (New Sweden)	"	0.10			
Lower Shelley Bridge					
			#3 (Snake River Valley)	8/30	0.30
#10-25	8/30	1.40	#4 " " "	"	0.00
			#5-10	"	0.00
Firth Bridge					
#26 (New Sweden)	8/30	0.00	#11-21	8/30	0.20
#27-29	"	0.00			
#30 (New Lavaside)	"	0.20			
#31	"	0.30			
#32 (Riverside)	"	0.00			
Porterville Bridge					
#33-43	8/31	0.00	#22	8/30	0.30
#44 (Danskin)	"	0.10	#23	"	0.00
#45	"	0.00	#24 (Blackfoot Waste)	"	1.75
			#25 (Blackfoot Sewer)	"	1.00
Blackfoot Bridge					
#46-51	8/31	0.00	#26-31	8/31	0.30
#52 (Trego)	"	0.30			
#53 (Parsons)	"	0.20			
#54 (Watson)	"	0.00			
#55 (Combined wastoway)	"	12.83			
#55A	"	0.10			
#56 (Peoples)	"	0.30			
#56A	"	0.20			
Blackfoot Gaging Station (Clough's) on Snake River					
Total Right Bank		17.83	Total Left Bank		3.85

These special return flow measurements have been made for the purpose of affording additional information concerning the reasonableness of the 6 per cent which has, for several years, been charged against stored water as transmission loss through this section of the river. The results obtained, however, can hardly be considered as in any sense conclusive because of the effect of preceding river conditions and, when reduced to percentage, of the marked variations introduced by the different amounts of total flow pertaining at the time of the particular investigation. For example; analysis shows actual net differences ranging in amount from an indicated net gain of 43 second-feet up to an average loss of 510 second-feet or from an apparent gain of 1.28 per cent up to a loss of 24.4 per cent. It should be noted also that the largest actual loss which was shown for the first test represents only 6 per cent because the average river flow in the section at that time amounted to about 8500 second-feet while the 24.4 per cent loss which is the result of the 1926 series of measurements corresponds to an actual loss of only 264 second-feet since the average total discharge of the river was then slightly less than 1100 second-feet.

To arrive at really dependable average percentage losses would require carrying on these special measurements continuously (with recording gage records on all important wasteways) for a period of several years. However, the short time tests afford some additional information and, if the 1924 and 1926 series which were made at extremely low river stages (under conditions which do not pertain when any appreciable quantity of storage is being run past Blackfoot) are excluded, indicate that the 6 per cent loss which has been charged is probably not seriously in error.

HYDROGRAPHS ILLUSTRATING NET GAINS AND LOSSES BETWEEN THE BLACKFOOT BRIDGE, ROBERTSON AND CLOUGH GAGING STATIONS
1926 DISTRIBUTION WATER DISTRICT NO. 36

PLATE XVI

May

500 Gain

5000 0

500 Loss

BLACKFOOT BRIDGE TO CLOUGHS

BLACKFOOT BRIDGE TO ROBERTSONS

BLACKFOOT BRIDGE

BLACKFOOT BRIDGE

DISCHARGE IN CUBIC FEET PER SECOND

500

0

500

4000

4000

3000

3000

2000

2000

1000

1000

Plate XVI contains a total flow hydrograph for the Blackfoot Bridge station together with graphs showing gains and losses between thi station and those at the Robertson and Clough ranches farther down the river. These latter show that, while channel losses continue to be noted down as far as the Robertson station, pronounced gains appear between that point and Clough's which at extremely low river stages are greater in amount than the losses which occur in the section immediatel above Robertson's.

Plate XVII affords a graphical study of the inflow between t Clough and Neeley gaging stations and its relation to changes in the amount of storage impounded in the American Falls Reservoir. The Neele total discharge hydrograph has been added for the convenience of those who may desire to make comparisons of reservoir inflow and outflow.

The net gain between Clough's and Neeley as shown on this plate is larger than the similarly labeled graph contained in precedin reports by the amount of the Portneuf River discharge past the Pocatel station. Furthermore the computed inflow rather than the computed gai between the two stations is what has been plotted. Under the methods followed these quantities are equal as to total for the season, but th latter would present a much more uneven graph because of irregularitie introduced by wind effect, etc. on the reservoir. The average gain he indicated for the period May 1 to September 30 (Neeley dates) is 2542 second-feet or 2435 second-feet if the flow of the Portneuf at Pocatel is deducted. The average net gain on the latter basis for the four months June to September inclusive which corresponds with the mean given in preceding reports amounts to 2456 second-feet.

HYDROGRAPHS ILLUSTRATING NET GAINS BETWEEN CLOUGH AND NEELEY STATIONS
BASE DISTRIBUTION, WATER DISTRICT NO. 36.

PLATE XVII

May | June | July | August | September | October

NET GAIN CLOUGHS TO NEELEY

GAIN

LOSS

NEELEY

AMERICAN FALLS RESERVOIR

NEELEY

NEELEY

AMERICAN FALLS RESERVOIR

DISCHARGE IN CUBIC FEET PER SECOND

3000
2000
1000
0
6000
4000
2000

STORAGE IN ACRE-FEET - AMERICAN FALLS RESERVOIR

100000
80000
60000
40000
20000

In order to afford a comparison, the average gains in second-foot for practically the same period and with the upper Portneuf flow deducted during each of the last eight years are herewith tabulated as follows:

Year	Gain	Year	Gain
1919	2340	1923	2701
1920	2435	1924	2279
1921	2529	1925	2495
1922	2564	1926	2456

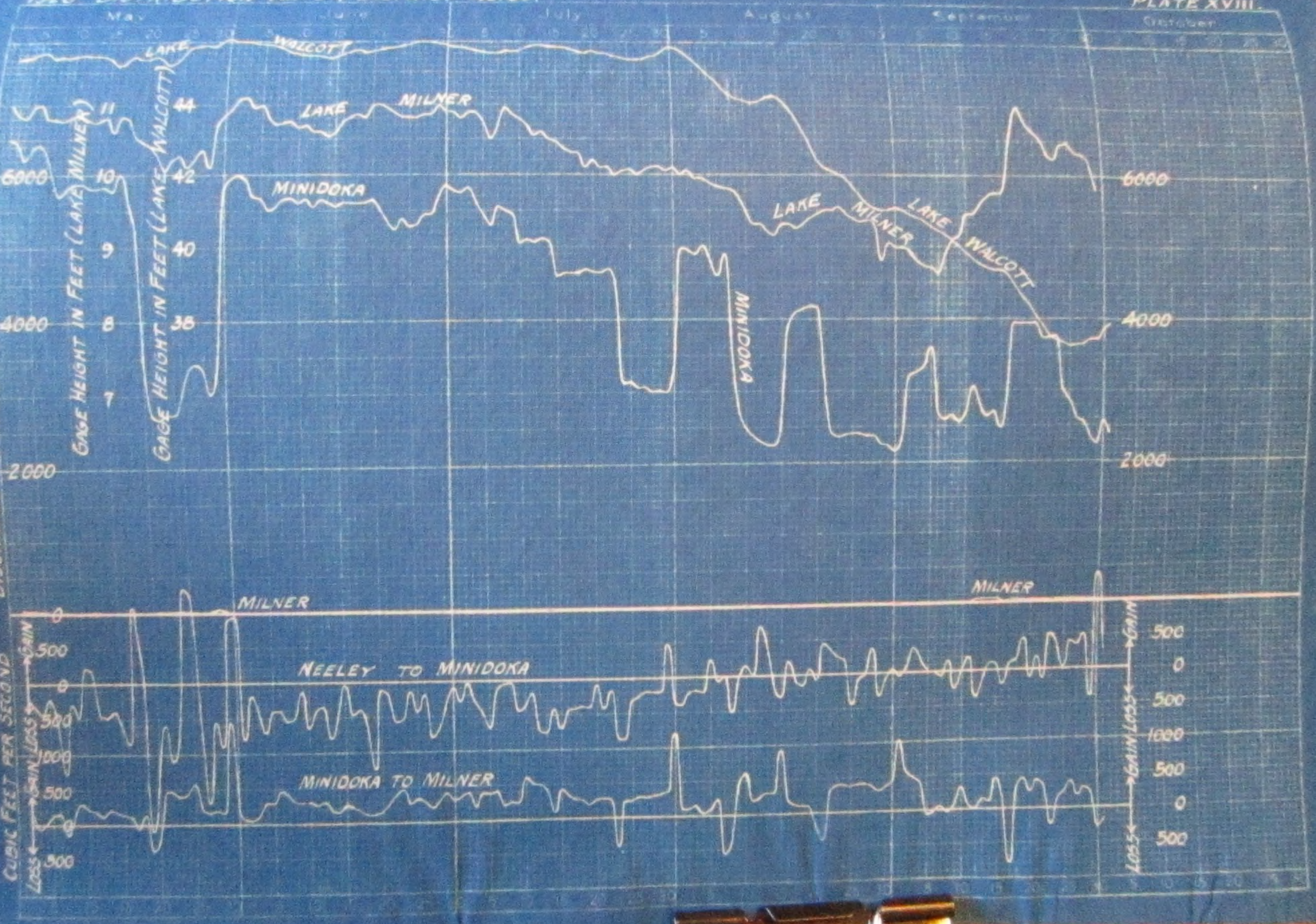
8 year average 2475

When we consider the fact that 1926 was, next to 1919 and 1924, the year of greatest deficiency in water supply the mean of 2456 second-feet appears to be somewhat larger than might be expected. Considerably more water was diverted from Blackfoot River in 1926, through the recently enlarged canal system of the U. S. Indian Irrigation Service for application to Reservation lands adjacent to the American Falls Reservoir basin, than in any previous year, hence the return from this source was undoubtedly greater than ever before. With these facts in mind the results appear very reasonable and further substantiate the previously described methods used herein for the determination of normal flow at Neeley.

Plate XVIII shows net gain or loss graphs for the two sections between the Neeley and Minidoka and the Minidoka and Milner gaging stations respectively. It also includes curves showing the fluctuations in water surface elevation at both Lake Walcott and Lake Milner, together with hydrographs for the river stations below the Minidoka and Milner dams. All these are plotted to coincide with Lake Walcott or Minidoka dates.

HYDROGRAPHS ILLUSTRATING NET LOSSES AND GAINS BETWEEN NEELEY AND MILNER GAGING STATIONS
1926 DISTRIBUTION WATER DISTRICT NO. 36.

PLATE XVIII.



The flow past Milner Dam was limited at all times during the summer to leakage and was so small in amount as to be almost undecipherable on the scale of these diagrams.

The general trend of the gain or loss curves, as well as the irregularities noted therein, differ but little from those of former years and can probably be similarly explained.

The average net loss for the entire season for the section from Neeley to Minidoka amounted to 197 second-feet while for the corresponding period the average net gain recorded between Minidoka and Milner was 230 second-feet, or a mean daily gain for the combined section of only 33 second-feet. This is by far the smallest net gain recorded for this portion of the river during any one of the last eight seasons and seems to indicate unusual conservation of water on the Minidoka Project.

Most of the more pronounced irregularities in the two gain or loss graphs are probably due to (1) in-applicability at certain river stages of the single time interval used; (2) wind effect on the ponded water of Lakes Walcott and Milner; (3) increase or decrease of Lake Milner storage which was not taken into account in the computations.

NORMAL FLOW COMPARISON

The purpose of Plate XIX is to afford a condensed comparison of the normal flow water supply available during the respective irrigation seasons 1919-1926 for the socalled Idaho Falls area. It consists of a table showing by months the principal component parts which make up the normal flow of Snake River and the extent to which water of this character

SUMMARY BY MONTHS OF NORMAL FLOW CONDITIONS BETWEEN THE HEISE-REXBURG AND BLACKFOOT GAGING STATIONS IRRIGATION SEASONS 1919-1926.

NO 6 DISTRIBUTION WATER DISTRICT NO 36

PLATE NO XIX.

YEAR	HEISE NOR. FLOW	REXBURG	BLACKFOOT RIVER	RETURN FLOW HEISE TO BLACKFOOT	NORMAL FLOW GAINS FROM STORED LOSS	TOTAL NORMAL FLOW SUPPLY	TOTAL DIVERSIONS HEISE TO BLACKFOOT	STORED DIVERSIONS HEISE TO BLACKFOOT	NORMAL FLOW DIVERSIONS HEISE TO BLACKFOOT	BALANCE AT BLACKFOOT STATION	NORMAL FLOW PASSING BLACKFOOT STATION
JUNE											
1919	241439	22477	400	-18994	16728	262050	264752	10433	254319	7731	7731
1920	552010	84910	3205	-14579	0	625546	310026	0	310026	315520	315520
1921	683677	133110	5039	-33854	0	807972	277462	0	277462	530510	530510
1922	535489	113110	8190	-2304	0	714485	331545	0	331545	382940	382940
1923	482579	90200	11597	23918	0	608294	262414	0	262414	345880	345880
1924	303207	15476	201	10631	4577	334092	233547	-66484	300031	34061	@34061
1925	499874	123010	4830	25290	0	653004	314594	0	314594	338410	@338410
1926	273756	24483	78	12507	14003	324827	271980	-29310	301290	23537	@23537
JULY											
1919	121226	21652	14	-4693	12321	150520	180218	35521	144697	5823	5823
1920	353997	31670	4810	8812	6048	405337	317285	7089	310196	95141	95141
1921	308767	30480	3213	5651	7803	355914	323826	11031	312795	43119	43119
1922	297375	31066	6471	25067	10796	370775	321988	4681	317307	53468	53468
1923	365108	28661	5864	22459	10881	432973	328971	4020	324951	108022	108022
1924	171278	17345	655	23098	9853	222229	255842	39689	216153	6076	@6076
1925	431518	82730	4470	38754	7175	564647	331306	3577	327729	236918	@236918
1926	161280	28165	54	18374	14360	222223	243236	24417	218819	3404	@3404
AUGUST											
1919	98839	19894	78	3938	5123	127872	129054	2217	126837	1035	1035
1920	177244	24553	5266	34866	6390	248319	259201	25851	233350	14969	14969
1921	182975	35843	8209	29756	5620	262403	260670	10608	250062	12341	12341
1922	192659	34222	6897	37086	7071	277935	252849	15156	237693	40242	40242
1923	178904	28659	5979	35700	11008	260250	265384	23833	241551	18699	18699
1924	101953	25686	16	13484	6060	147199	210169	67074	143095	4104	@4104
1925	213661	45400	5963	32383	15047	312454	281504	37753	277751	34703	@34703
1926	127966	28940	134	14822	5264	177126	198605	23454	175151	1975	@1975
SEPTEMBER											
1919	87115	22501	345	2234	0	112195	107517	0	107617	4678	4678
1920	*66389	*21130	*2290	*10585	*521	*100915	*71638	*0	*71638	*29277	*29277
1921	129235	30960	4525	26655	184	211559	149132	0	149132	62427	62427
1922	133751	39758	1996	15950	0	191455	142769	0	142769	48686	48686
1923	120623	30825	3798	23299	5571	184116	194718	22851	171867	12249	12249
1924	87479	24983	503	15364	1890	130219	141596	15613	125983	4236	@4236
1925	c142414	c56000	c9268	c23884	c2280	c233846	c150283	c0	c150283	c83563	@83563
1926	95080	29468	1064	10731	2172	138515	142137	4869	137268	1247	@1247

NOTES

ALL DISCHARGE QUANTITIES LISTED IN SECOND FEET

@ THEORETICAL; SEE TEXT FOR EXPLANATION.

* INCLUDES EMMA MATILDA AND TWO OCEAN LAKE STORAGE.

c RECORDS FOR SEPTEMBER 1-15 (INCLUSIVE) ONLY.

c RECORDS FOR SEPTEMBER 1-25 (INCLUSIVE) ONLY.

is used in the territory between the Heise and Roxburg gaging stations at the upper end and the Blackfoot or Clough station at the lower end of this section.

The quantities listed are all summarized from the more extensive river data tables contained in District No. 36 Water Distribution Reports. Time intervals have been adjusted to correspond as nearly as practicable to Heise dates.*

The following brief explanation which is almost identical with that contained in the 1925 report is included for the convenience of the reader:

Columns 1-4 Sufficiently described by headings.

Column 5 Net gain in the section. To be complete it should probably have added to it the quantities contained in the same lines in Column 6.

Column 6 If the storage transmission loss is correctly determined, any indicated normal flow gain from that source is really additional return flow. The quantities shown in this column reflect changes in transmission loss schedules which should be taken into account in comparing the data for different years.

Column 7 The algebraic sum of the quantities listed in the five preceding columns.

Column 8-10 Headings afford sufficient explanation.

Column 11 "Total Normal Flow Supply" less "Normal Flow Diversions Heise to Blackfoot."

Column 12 Equivalent to column 11 on which it affords a check, as the results here given for all years except 1924, 1925 and 1926 were taken direct from the river data sheets. Because of the use of the Blackfoot Bridge rather than the older Blackfoot or Clough station as an adjustment point, theoretical rather than actual totals must be used for the latter point in those three years if a check on column 11 is to be secured.

*1922 and 1923 reports erroneously state that those records have been adjusted to correspond with actual canal diversion dates.

The 1924 and 1926 segregations of diversions as between stored water and normal flow are complicated by the exchanges which were made. For example, the minus storage shown as being diverted during June of those years represents the excess of the normal flow accepted for exchange over actual storage diversions while the normal flow shown as diverted in the same month very evidently is a theoretical rather than an actual quantity.

The analysis of 1926 conditions afforded by this comparative summary illustrates very plainly certain more or less pronounced peculiarities, some of which have already been mentioned.

(1) The total normal supply for the months of June and July was less than in any other year except 1919 while for August and September and for the four month period it was less than in any other year listed except 1919 and 1924.

(2) The return flow entering between Heise and Blackfoot was, with two exceptions, the largest of record for the month of June but decreased in amount in comperison with other years until September when it was, with one exception, the least of record.

(3) The combined total diversions for the entire four months were less than for any of the other years shown except 1919 and 1924 and were only slightly larger than the latter year.

(4) Total normal flow diversions between Heise and Blackfoot, except for 1919 and 1924, were the smallest recorded for July, August and September during the eight year period.

(5) Less normal flow passed Blackfoot during the four months tabulated than in any other year except 1919.

1926, therefore, must be classed as a low water year similar in many respects to 1924, although in general it afforded a somewhat better irrigation water supply than the latter.

GROUND WATER

In connection with the Mooker investigation, records were maintained during the 1923 irrigation season on 134 wells distributed over what was designated as the Snake River Cone -- a triangular area extending in a general northwesterly direction from an apex at the Boise gaging station.

The ground water levels throughout this triangle are believed to have a material influence not only upon the river losses between the Boise and Lorenzo gaging stations, but also on the amount of return flow noted as entering between Lorenzo and Woodville. For this reason it seemed advisable to secure additional observations during subsequent seasons. Because of the more intensive regular work required during the water shortage year of 1924 only one set of measurements was then obtained but in 1925 records were secured once each month from May to September inclusive. In 1926 from three to five wells (27 in all) were selected in each of the following described six groups and were measured once each month from June to September inclusive.

Group No. 1.

Wells located on the south side of the Great Feeder Canal and East of the Yellowstone Branch of the O.S.L.R.R.

Group No. 2.

Wells located on the south side of the Great Feeder Canal and west of the Yellowstone Branch of the O.S.L.R.R.

Group No. 3.

Wells located on the north side of Snake River between Heise and the Yellowstone Branch of the O.S.L.R.R.

Group No. 4.

Wells located between Snake River and the Great Feeder Canal and east of the Yellowstone Branch of the O.S.L.R.R.

Group No. 5.

Wells located between Snake River and the Great Feeder Canal and west of the Yellowstone Branch of the O.S.L.R.R.

Group No. 6.

Wells located on the north side of Snake River and west of the Yellowstone Branch of the O.S.L.R.R.

This segregation corresponds to that described in preceding reports but, because all the wells were not measured, 1926 average results cannot consistently be plotted and shown on the same graphs which were used in the 1925 report.

Plate A contains similar diagrams based upon mean results obtained from water level observations at the smaller number of wells for which records are available during each of the last four years. While these necessarily afford less dependable results the general trend and characteristics of ground water changes are almost as well indicated and will be briefly discussed.

In general, the curves which show the greatest fluctuations are those for areas where the wells are the deepest, while the flat curves of groups 5 and 6 cover districts where the wells are comparatively shallow and where sub-irrigation is practiced.

DIAGRAM SHOWING APPROXIMATE CHANGES IN GROUND WATER LEVELS ON SO-CALLED HEISE-LORENZO CONE 1923-1926
EDE DISTRIBUTION WATER DISTRICT NO. 36 PLATE NO. A

May June July August September October

1923
1924
1925
1926

GROUP NO. 1

GROUP NO. 2

GROUP NO. 3

GROUP NO. 4

GROUP NO. 5

GROUP NO. 6

June readings show uniformly higher and both August and September likewise indicate lower water tables elevations in 1926 than in any of the other three years. This condition helps materially to explain the losses noted between the Heise and Lorenzo gaging stations and the Heise-Woodville return flow variations to which attention has previously been called herein.

The great value of early irrigation for the specific purpose of increasing ground storage is also evidenced.

WATER DISTRIBUTION AND HYDROMETRIC WORK IN THE SPRINGFIELD - STERLING SECTION.

Between the irrigated lands of the Aberdeen-Springfield system and Snake River there is a comparatively narrow strip of land, part of which has for many years been irrigated while a smaller portion has gradually been put under irrigation since the construction and coincident with the operation of the Aberdeen-Springfield canal.

The water supply for the first developed portion of this area comes from what are known as Danilson, Crystal, Hull and McTucker Springs and from Boone Creek, a short spring fed stream. Rights to the use of this water were granted in the socalled Stufflebeam decrees of 1902 and 1908 and in the regular 1910 Snake River decree. Most of these rights antedate the oldest of those held by the larger lower river canals which, under the Foster decree, have a priority of October 11, 1900.

The other and smaller area depends for its water supply upon the smaller Colborn, Alkali and Artesian Springs or Creeks which were either non-existent or were so small as to be of no material

consequence prior to the irrigation of Aberdeen-Springfield Company lands. Use of water from those latter sources depends for its authorization upon permit or liconso rights of comparativoly recent dato.

Prior to 1926 no regulation of diversions had ever been attempted in this Springfield-Sterling section for the reason that the net loss of water resulting from illegal use was believed to be so small as to make the expense of the work unjustifiable.

When a demand was made by the Twin Falls Canal Company under date of March 15, 1926 to have all these diversions regulated during the subsequent irrigation season it, therefore, became necessary to establish gages, make preliminary measurements and otherwise prepare for this work.

This early season investigation and construction was begun by Hans H. Coffin during the latter part of April. C. T. Judah replaced Mr. Coffin about May 20 and remained in direct field charge of both regulation and hydrometric work until August 31, by which date the use of water for irrigation had decreased to such an extent as to make daily records no longer warranted. Local headquarters of these men were maintained at Sterling, Idaho.

Practically all of the canals in this section proved to be short and of small capacity, while in several cases individual holdings were irrigated from more than one ditch. In fact under the existing decrees it was not only possible but was common practice for one or two users to divert their rights through as many as three different ditches with no limitation other than as to total amount.

JULY 1926

WELLS	DANILSON SPECS	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	TOTALS
CHANDLER	" "	0	1	1	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
STUFFLEBEAM	" "	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
DANILSON	" "	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
LEACH NO1	CRYSTAL SPECS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LEACH NO2	" "	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LEACH COOPER	" "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAMILTON COOPER	" "	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
RICH	" "	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
COOPER RIGHT	HULL SPECS	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
COOPER LEFT	" "	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
HAMILTON RIGHT	BOONE CR	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
HAMILTON LEFT	" "	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
BOONE CREEK	" "	8	10	11	12	13	14	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
JOHN NELSON	" "	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
AD NELSON	" "	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
NELSON-JOHNSON	" "	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
JOHNSON	" "	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
COLBORN	SPECS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUGENT	ALKALI SPECS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
WARD	" "	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
WARD PUMP	" "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRONSON NO1	ARTESIAN SPECS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRONSON NO2	" "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COLUMBRINE	METLAKEN SPECS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS		76	76	78	85	85	86	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	85	85	85	85	85	85	85	85	85	85	85	2827

JUNE 1926

TOTALS	14	15	16	20	24	36	54	64	72	77	79	84	85	87	85	92	94	94	94	96	95	85	87	98	106	109	99	102	110	107	98	98	94	97	94	2486
WELLS DANILSON SPECS	0	0	0	0	0	0	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
BRONSON NO1 ARTESIAN SPECS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRONSON NO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COLUMBRINE METLAKEN SPECS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WARD PUMP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WARD	1	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
NUGENT ALKALI SPECS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COLBORN SPECS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JOHNSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NELSON-JOHNSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AD 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	0	0	0	0
JOHN 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	0	0	0	0
BOONE CREEK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAMILTON LEFT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAMILTON RIGHT BOONE CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COOPER LEFT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COOPER RIGHT HULL SPECS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RICH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAMILTON-COOPER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LEACH-COOPER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LEACH NO2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LEACH NO1 CRYSTAL SPECS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DANILSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STUFFLEBEAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHANDLER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WELLS DANILSON SPECS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PLATE NO. XXI

DAILY DISCHARGE IN SECOND FEET OF CANALS IN THE SPRINGFIELD-STERLING, IDAHO SECTION

AUGUST 1926.

	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
WELLS DANILSON SPGS	7	7	6	6	6	6	6	6	6	6	4	4	4	4	4	4	4	4	4	0	0	2	2	2	2	2	2	2	2	2	2	112
CHANDLER " "	2	3	3	3	3	4	3	3	3	3	6	6	6	6	6	6	6	6	3	2	2	2	2	3	3	3	3	3	3	3	3	134
STUFFLEBEAM " "	0	0	0	3	3	3	3	3	3	3	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	66
DANILSON " "	10	10	9	9	9	9	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	44
LEACH NO 1 CRYSTAL SPGS	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	34
LEACH NO 2 " "	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
LEACH-COOPER " "	0	9	8	8	8	9	9	9	8	8	8	8	8	1	1	1	0	2	2	2	2	2	2	2	1	1	1	2	1	1	1	124
HAMILTON-COOPER " "	2	1	3	3	4	2	2	2	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
RICH " "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COOPER RIGHT HULL SPGS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COOPER LEFT " "	0	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAMILTON RIGHT BOONE CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAMILTON LEFT " "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BOONE CREEK " "	0	0	2	4	6	6	6	7	7	6	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	112
JOHN NELSON " "	2	1	1	1	0	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	2	2	3	3	4	4	4	4	3	4	3	73
AD 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
NELSON-JOHNSON " "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JOHNSON " "	4	4	3	4	3	4	4	4	4	3	3	0	0	0	0	0	0	2	2	4	4	4	4	4	4	4	4	4	3	3	3	99
COLBORN COLBORN SPGS	1	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	31
NUGENT ALKALI SPGS	0	0	1	1	1	1	1	2	2	2	2	1	1	1	2	2	2	2	2	1	1	1	1	0	1	1	1	1	1	1	1	46
WARD " "	4	4	4	4	3	3	3	3	3	4	4	4	4	4	3	3	2	2	3	2	1	1	1	2	2	2	2	2	2	2	2	89
WARD PUMP " "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	1	1	1	1	1	1	1	16
BRONSON NO 1 ARTESIAN SPGS	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	27
BRONSON NO 2 " "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	14
COUMERINL MCTUCKER SPGS	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	78
TOTALS	38	50	53	56	56	57	51	50	53	50	49	40	40	31	33	36	33	40	44	40	36	36	34	35	37	40	44	44	40	44	42	1278

SEPTEMBER 1926.

	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
WELLS DANILSON SPGS	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
CHANDLER " "	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	58
STUFFLEBEAM " "	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	30
DANILSON " "	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	31
LEACH NO 1 CRYSTAL SPGS	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	34
LEACH NO 2 " "	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	34
LEACH-COOPER " "	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	214
HAMILTON-COOPER " "	3	3	3	3	2	2	2	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
RICH " "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COOPER RIGHT HULL SPGS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COOPER LEFT " "	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	30
HAMILTON RIGHT BOONE CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAMILTON LEFT " "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BOONE CREEK " "	13	13	13	13	13	13	14	14	14	14	14	14	14	13	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	373
JOHN NELSON " "	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
AD 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
NELSON-JOHNSON " "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JOHNSON " "	2	2	2	2	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
COLBORN COLBORN SPGS	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
NUGENT ALKALI SPGS	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
WARD " "	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	70
WARD PUMP " "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRONSON NO 1 ARTESIAN SPGS	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
BRONSON NO 2 " "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40
COUMERINL MCTUCKER SPGS	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	114
TOTALS	38	38	37	37	36	36	37	37	36	37	37	37	34	32	31	30	26	18	18	18	17	17	17	17	17	17	17	16	16	16	814

This situation together with the fact that the irrigators had never before been subjected to restrictions of any sort made the work of regulation rather difficult. The deputy water master was several times threatened and on one occasion assistance from the sheriff's office was requisitioned.

Regulation was of little real value after the temporary injunction of June 3, to which reference has already been made (see page 17), became effective, but records of the amount diverted by each canal were secured throughout the balance of the season. These are summarized on Plates XX and XXI. Data for the first half of May and for the month of September are partially estimated or interpolated but the information included for the balance of the five months period is based upon daily observations.

WATER DISTRIBUTION AND HYDROMETRIC WORK IN THE HENRYS FORK - FALL RIVER - TETON AREA

The position of hydrographer and deputy water master in direct charge of hydrometric work and water distribution in the so-called North Fork section was once more filled by C. A. McClelland who was also appointed as Special Deputy to supervise the delivery of stored water from Henrys Lake Reservoir. All other deputies and assistants working in this area reported to and received their instructions from him, while he in turn worked under general orders issued from the office at Idaho Falls.

Summer headquarters for this work were maintained in the room formerly occupied by the County Surveyor at the Court House, St. Anthony, Idaho, which was made available through the courtesy of the Fremont County Commissioners.

The following abstract from a report prepared by Mr. McClelland affords a brief general summary of the work in this part of District No. 36:

Canal and river measurements, gage readings and minor repairs to station equipment as usual occupied the time of the available personnel during the early part of the season.

John H. Reed assisted with this work beginning May 4 and filled the combined position of hydrographer and deputy water master for the Teton River division throughout the balance of the season.

Regular daily gage readings and reports were initiated May 20 and maintained until September 30.

While stream discharge even during the early part of the season was below normal, it was somewhat better sustained than in 1924. By June 14, however, the entire available normal flow was being utilized and Henrys Fork was practically dry immediately below the diversion dam of the Consolidated Farmers Canal. For several days thereafter it was necessary to cut off decreed rights beyond or in advance of the main Snake River regulation but beginning about June 20 and continuing through the remainder of the summer the restrictions imposed by the latter also governed diversions from Henrys Fork and Fall River.

Fortunately, because of the large carry-over from the preceding year and the settlement of most of the right of way disputes, more storage was available in Henrys Lake Reservoir than had ever before been impounded there. Slightly more than 10,000 acre-feet of this water was sold to non-stockholder canals but the supply was not sufficient to fill all applications of this character. Furthermore, the limited flow of Fall River made it impracticable to furnish water to canals on that stream through exchange, in the amount and to the extent desired.

Temporary transfers which were again permitted under the final river operation agreements totalled nearly 40,000 acre-feet for the season in spite of opposition to this practice on the part of some of the canals in this area.

Normal flow was better sustained than in either 1924 or 1919 and this fact together with the supplemental water which was procurable either by storage purchase or through temporary transfers reduced prospective crop losses very materially.

The need for a storage reservoir on Upper Fall River was again evident and was undoubtedly impressed upon the U. S. Senate Public Lands Committee members and others who visited this section August 17-18 and conducted a hearing at St. Anthony on the latter date.

PLATE NO. XXII

DAILY DISCHARGE IN SECOND FEET OF CANALS DIVERTING FROM HENRYS FORK AND TRIBUTARIES FOR MAY 1926.

FALL RIVER CANALS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
YELLOWSTONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HARRISFELD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	14	13	9	9	20	21	118
MARYSVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47	47	50	54	57	62	66	91	117	128	141	137	152	152	0	0	1321
TOTAL DIV ABOVE SQUIRREL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47	47	50	54	57	62	66	91	133	144	155	170	161	161	20	21	1439
FARMERS OWN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	25	25	25	25	26	29	31	33	33	35	38	38	37	39	44	502
ENTERPRISE	140	141	142	141	140	139	138	137	132	126	131	137	142	142	142	142	142	142	143	144	142	139	142	144	144	136	144	144	144	144	144	4320
BELL	5	6	6	6	6	6	6	6	6	6	7	7	7	7	8	8	8	9	9	8	5	5	5	5	5	5	5	5	5	5	5	192
FALL RIVER	315	320	323	323	323	323	308	292	306	319	325	332	338	344	343	342	342	341	358	376	394	394	394	411	405	390	390	386	414	422	436	12019
McBEE	11	11	12	11	11	10	9	9	9	8	8	8	8	7	8	8	9	10	10	11	13	13	11	11	12	11	7	9	9	8	11	289
CHESTER	75	78	80	78	75	73	70	68	63	58	59	60	62	63	64	66	67	68	70	72	73	72	76	80	69	62	63	62	64	104	104	2192
SILKEY	23	24	25	26	27	28	28	24	28	29	29	29	29	14	16	18	21	23	24	25	23	23	22	22	25	25	16	34	20	20	20	734
CURR	25	26	27	28	29	29	30	31	33	35	34	34	33	32	32	31	31	30	32	33	34	34	33	33	33	33	33	33	33	33	33	920
WHITE	5	5	5	5	6	6	6	5	4	4	3	3	2	2	3	3	3	4	4	3	6	4	4	4	5	4	4	4	5	4	4	127
TOTAL DIV SQUAR TO CHESTER	599	611	620	618	617	614	593	576	581	585	596	610	621	611	616	637	648	652	675	697	716	713	718	763	731	701	700	706	721	781	791	20,309

HENRYS FORK CANALS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
DEWEY	18	18	18	18	18	18	18	18	25	25	24	24	24	24	24	24	24	24	24	24	25	24	23	24	23	22	22	22	24	24	22	689
LAST CHANCE	63	64	65	64	64	63	62	62	61	60	60	59	59	58	58	57	0	0	0	37	64	83	74	83	85	66	82	82	87	86	84	1892
ST ANTHONY UNION	557	556	555	553	551	549	548	546	544	542	545	543	550	553	556	558	561	564	553	536	563	565	528	486	468	409	402	440	469	521	531	16347
FARMERS FRIEND	256	255	255	255	255	258	265	265	255	264	258	263	267	272	277	281	286	290	282	284	240	221	226	240	192	240	226	240	238	240	248	7829
TWIN GROVES	156	160	163	169	170	172	173	174	176	177	176	176	176	176	176	176	176	176	172	169	151	151	151	152	151	150	150	151	147	150	141	5049
SALEM UNION	227	225	222	220	221	221	222	223	223	224	224	224	224	224	224	224	224	224	224	248	262	218	216	221	221	218	218	242	238	234	234	7023
TOTAL DIV ASHTON TO ST ANTHONY	1277	1278	1280	1279	1279	1278	1278	1278	1284	1282	1287	1294	1300	1307	1345	1380	1271	1277	1303	1310	1305	1262	1217	1206	1149	1105	1140	1177	1187	1200	1216	38,389
EGIN	354	353	351	350	349	349	349	348	349	350	351	352	349	346	348	360	346	342	347	352	344	340	336	348	332	334	316	316	312	332	332	10635
ST ANTHONY UNION FEEDER	110	109	107	106	104	103	101	100	100	100	99	99	98	96	95	94	92	90	89	87	85	86	93	93	78	62	57	70	80	91	82	2886
INDEPENDENT	352	354	356	357	359	349	339	329	330	331	332	333	330	326	323	320	334	347	344	342	342	331	333	311	246	231	238	263	311	300	248	9535
CONSOLIDATED FARMERS	170	175	180	184	196	207	219	230	242	247	252	256	261	266	270	274	278	282	271	260	248	230	246	241	246	244	241	241	238	236	240	7389
TOTAL DIV ST ANTHONY TO REXBG	986	991	994	997	1008	1008	1008	1007	1021	1028	1034	1040	1038	1034	1036	1038	1050	1061	1051	1041	1019	1007	1008	993	903	871	852	888	941	967	996	30,805

TETON RIVER CANALS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
SIDDOWAY	6	8	9	10	11	14	12	11	10	8	7	5	7	9	11	13	15	17	19	21	22	23	23	19	18	18	0	0	0	0	0	346
WILFORD	180	180	180	180	182	176	169	162	156	149	143	142	140	138	137	135	134	148	161	176	184	180	175	177	176	169	154	160	148	146	140	4840
TETON IRRIGATION	28	28	28	28	28	29	34	39	44	49	54	59	58	58	57	56	55	55	54	48	0	48	45	72	59	71	64	68	86	0	12	1335
GOOD LUCK	18	19	20	21	22	20	18	16	13	11	9	11	12	14	16	17	19	19	20	20	25	19	18	20	21	23	20	19	19	19	20	558
PIONEER	10	11	12	12	12	15	17	19	21	25	28	29	30	30	31	32	33	34	36	37	31	29	29	28	30	26	32	32	29	28	28	945
STEWART	12	12	12	12	12	12	12	12	12	12	12	15	18	21	24	27	29	31	33	35	40	36	36	40	37	31	27	27	27	27	26	778
PINCOCK BYINGTON	23	23	23	23	23	23	23	20	18	15	13	10	11	12	13	14	16	16	17	21	29	12	12	12	13	12	11	9	8	8	7	489
PINCOCK GARNER	42	42	42	42	42	42	42	40	39	37	35	33	32	30	29	29	29	29	29	28	30	29	29	35	30	29	30	29	29	28	28	1039
TETON ISLAND FEEDER	330	330	330	330	330	330	333	338	340	342	344	347	349	371	388	404	420	437	453	470	517	533	539	546	552	520	496	508	503	462	391	11007
ROXANA	9	9	9	9	9	10	11	12	12	13	14	15	11	10	8	7	5	4	8	13	23	19	19	23	20	20	20	22	22	24	24	434
ISLAND WARD	93	93	93	93	93	88	83	78	74	69	64	60	67	53	49	45	42	38	33	28	64	74	76	76	48	39	38	37	34	34	49	1924
WOODMANSEE JOHNSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	32
CITY OF REXBURG	46	45	46	45	45	44	44	43	42	41	40	38	41	45	48	51	53	58	54	53	56	62	62	67	58	70	64	60	58	66	68	1651
REXBURG IRRIGATION	189	189	189	189	189	189	176	171	178	185	192	199	206	213	220	227	234	241	248	195	260	246	237	237	242	233	211	199	204	200	199	6456
TOTAL DIVERSIONS	985	989	992	994	998	994	979	981	979	976	935	941	992	1004	1031	1067	1085	1127	1185	1144	1294	1148	1099	1161	1116	1063	967	992	980	982	1018	32,235

DAILY DISCHARGE IN SECOND FEET OF CANALS DIVERTING FROM HENRYS FORK AND TRIBUTARIES FOR JUNE 1926.

FALL RIVER CANALS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
YELLOWSTONE	0	5	10	11	14	15	18	26	30	30	31	31	29	29	18	23	23	24	8	0	0	0	0	0	0	0	0	0	0	0	374
HARRIGFELD	23	21	20	26	28	26	31	30	28	24	23	23	20	18	16	16	16	20	9	0	0	0	0	0	0	0	0	0	0	0	420
MARYSVILLE	40	159	167	169	179	186	187	188	184	180	181	182	175	170	176	176	181	140	0	0	0	43	129	105	105	62	0	0	0	35	3515
TOTAL DIV ABOVE SQUIRREL	63	185	197	206	221	230	236	244	242	234	235	236	224	217	210	215	220	224	17	0	0	43	129	105	105	62	0	0	0	35	4317
FARMERS OWN	46	42	43	48	51	33	32	32	32	32	31	31	31	33	35	32	32	31	5	5	5	5	5	30	30	11	0	0	0	0	743
ENTERPRISE	144	144	144	142	144	67	0	0	0	0	0	68	0	0	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	928
BELL	5	3	5	5	5	5	5	6	5	5	4	2	3	2	1	3	3	3	3	5	5	5	5	3	3	3	3	3	3	4	116
FALL RIVER	401	392	411	416	451	470	54	441	430	462	411	411	422	399	344	407	407	401	396	458	428	426	397	320	378	350	380	390	397	418	11952
McBEE	7	8	8	6	6	6	11	11	10	9	7	2	1	1	2	2	1	1	2	3	11	11	8	5	4	11	4	4	6	4	172
CHESTER	65	64	64	62	60	74	73	85	78	77	62	34	41	32	14	14	15	14	5	0	0	0	0	0	0	0	0	0	0	0	933
SILKEY	20	16	12	10	10	22	28	21	20	20	14	7	6	6	1	1	1	16	15	20	24	24	24	19	18	18	18	18	19	19	467
CURR	33	33	0	0	0	44	43	42	42	44	40	41	41	40	39	37	40	40	40	44	43	42	33	33	32	32	34	34	34	35	1033
WHITE	4	1	0	0	0	3	4	4	5	4	2	0	4	2	0	0	0	3	3	5	5	5	3	3	2	2	3	3	3	2	76
TOTAL DIV SQUIRR. TO CHESTER.	726	703	687	689	727	724	260	642	622	643	571	596	549	515	511	496	499	509	469	540	521	518	435	473	467	457	441	456	461	440	16418

HENRYS FORK CANALS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
DEWEY	23	22	22	23	23	23	22	22	23	24	22	20	23	22	25	23	24	23	22	22	21	20	19	19	20	20	22	23	23	23	663
LAST CHANCE	86	76	78	64	63	70	83	82	64	53	52	44	43	42	46	42	44	38	2	49	47	46	38	38	48	50	46	61	50	60	1586
ST ANTHONY UNION	486	521	432	429	434	416	435	476	429	414	391	360	337	341	404	391	416	446	443	465	423	360	342	373	377	376	382	347	447	501	12535
FARMERS FRIEND	214	217	200	194	190	185	204	203	191	172	155	104	105	119	117	109	45	8	0	0	2	2	0	0	0	0	0	0	0	0	2768
TWIN GROVES	147	152	151	150	150	144	153	153	146	140	92	86	87	109	89	95	121	111	130	140	131	130	121	133	133	84	0	0	0	0	3268
SALEM UNION	236	234	250	249	241	233	222	221	208	203	142	136	133	137	160	157	157	160	155	167	136	133	131	130	174	241	132	160	76	52	5196
TOTAL DIV ASHTON TO ST ANTHONY	1192	1222	1133	1109	1101	1071	1222	1187	1061	1006	854	750	729	770	861	817	807	777	752	843	760	691	651	693	762	760	682	691	656	636	25976
EGIN	322	322	309	305	301	295	218	249	243	211	213	207	249	250	271	284	271	276	269	250	250	184	177	209	206	258	267	301	297	295	7805
ST ANTHONY UNION FEEDER	74	65	60	54	52	67	74	54	46	31	35	27	27	26	27	48	47	63	56	60	57	49	41	43	38	38	39	47	60	78	1465
INDEPENDENT	234	227	237	242	238	269	263	254	242	221	217	219	226	229	240	203	259	231	221	203	185	193	189	201	195	196	199	221	217	217	6436
CONSOLIDATED FARMERS	241	236	235	250	246	206	238	223	252	240	240	236	223	210	202	210	170	111	223	235	279	229	228	240	200	95	100	100	98	118	6104
TOTAL DIV ST ANTHONY TO REXB'G	893	850	841	851	837	817	813	780	783	703	705	689	724	715	740	745	747	671	769	748	721	655	635	693	639	682	605	669	672	708	25070

TETON RIVER CANALS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
SIDDOWAY	0	0	0	0	0	0	0	19	19	23	22	19	17	15	20	18	19	18	18	19	0	0	0	9	10	6	6	7	7	7	258
WILFORD	142	137	136	135	135	132	131	130	134	130	125	127	122	119	115	110	109	115	145	144	105	79	61	62	62	71	69	78	86	77	3263
TETON IRRIGATION	14	16	27	0	0	81	80	82	81	90	83	82	80	80	72	67	69	72	70	60	62	74	70	72	70	77	74	66	60	62	1903
GOOD LUCK	19	18	18	19	19	18	18	25	26	26	24	30	29	29	27	27	25	25	25	24	24	17	12	10	9	9	9	10	10	10	591
PIONEER	28	27	27	28	28	27	27	29	31	29	24	21	19	17	18	0	16	16	16	17	17	15	16	14	15	15	15	16	16	16	597
STEWART	28	23	22	24	29	29	20	26	27	26	23	26	15	18	16	15	15	15	15	15	14	12	13	13	13	13	13	13	13	13	508
PINCOCK BYINGTON	6	5	6	4	19	19	19	19	19	20	19	4	14	11	10	9	8	6	6	6	6	6	6	6	9	8	8	8	8	8	311
PINCOCK GARNER	28	27	27	26	26	25	25	25	26	26	22	22	22	21	18	13	13	16	15	15	15	14	11	11	11	10	9	9	8	8	542
TETON ISLAND FELDER	378	352	339	333	336	333	333	320	327	365	324	299	308	261	246	233	219	194	196	196	196	219	217	233	244	236	219	220	219	184	8044
ROXANA	23	23	24	20	21	20	22	21	23	22	20	19	20	20	20	20	20	20	19	19	19	19	17	12	11	14	14	15	15	13	468
ISLAND WARD	73	56	54	52	48	47	46	82	68	66	62	51	49	51	43	46	48	46	47	47	47	47	28	23	28	19	19	25	25	0	1338
WOODMANSEE JOHNSON	43	47	44	34	51	49	57	57	63	56	53	52	51	43	50	41	34	36	38	36	36	30	27	26	20	20	8	6	0	0	1113
CITY OF REXBURG	42	50	49	53	48	44	47	40	48	48	41	43	49	49	41	39	39	35	35	36	33	34	43	43	40	30	31	29	26	28	1246
REXBURG IRRIGATION	187	171	185	214	197	190	191	181	206	199	151	137	132	127	108	106	112	108	112	127	123	111	170	134	119	128	114	118	112	119	4416
TOTAL DIVERSIONS	1043	942	957	939	947	914	1041	1056	1094	1114	1013	940	889	863	809	764	746	718	727	691	678	683	692	662	666	676	659	672	668	34677

DAILY DISCHARGE IN SECOND FEET OF CANALS DIVERTING FROM HENRYS FORK AND TRIBUTARIES FOR JULY 1926.

FALL RIVER CANALS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
YELLOWSTONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	98	99	99	99	99	98	103	120	121	120	57	22	22	21	20	14	10	9	9	9	9	9	9	9	8	9	8	8	14	70	70	1502
TOTAL DIV ABOVE SQUIRREL	98	99	99	99	99	98	103	120	121	120	57	22	22	21	20	14	10	9	9	9	9	9	9	9	8	9	8	8	14	70	70	1502
FARMERS OWN	0	0	0	0	0	0	26	37	38	37	37	46	38	38	37	36	36	38	37	37	37	12	0	0	0	0	0	0	0	0	0	567
ENTERPRISE	0	0	0	0	0	0	0	0	0	89	0	0	0	0	0	0	0	0	0	0	23	44	43	42	70	56	64	63	63	26	0	578
BELL	4	2	2	2	2	2	2	2	1	1	1	4	4	4	4	4	3	2	3	1	0	0	0	0	0	0	0	0	0	0	0	50
FALL RIVER	376	361	358	361	361	358	358	358	361	339	344	354	354	342	345	346	348	348	346	344	330	336	334	337	350	356	346	352	362	346	10863
McBEE	4	4	4	4	4	4	3	2	3	3	5	6	6	7	7	5	0	0	0	2	2	3	3	4	3	0	0	3	3	5	5	104
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	0
SILKEY	20	18	18	15	15	15	13	15	13	8	8	10	13	14	14	14	14	12	5	0	0	0	0	0	0	0	0	0	0	0	0	254
CURR	34	32	30	33	32	32	19	18	18	16	15	22	23	24	26	26	26	26	26	27	22	21	20	21	21	33	26	24	29	23	23	767
WHITE	2	2	2	2	2	0	0	0	0	0	0	2	2	3	2	3	1	1	2	2	1	1	0	1	0	0	0	0	1	0	2	34
TOTAL DIV SQUIRR TO CHESTER	440	419	414	417	416	411	421	432	434	488	410	444	440	438	438	434	436	422	419	413	416	416	406	411	444	445	446	447	468	476	476	18217

HENRYS FORK CANALS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
DEWEY	24	23	22	22	23	22	22	22	22	22	22	17	18	17	18	20	21	21	12	9	12	21	24	24	24	2	18	21	20	20	20	605
LAST CHANCE	49	50	53	52	50	46	45	45	46	46	45	28	30	28	31	35	39	38	40	40	38	38	36	34	34	33	33	40	40	38	37	1837
ST ANTHONY UNION	499	378	377	326	323	315	315	321	317	326	328	362	391	360	413	420	461	472	481	479	481	479	495	460	464	429	407	371	371	323	371	12347
FARMERS FRIEND	0	0	40	40	41	41	43	40	41	83	109	65	56	45	45	52	48	46	47	47	48	46	50	49	48	0	0	0	0	0	0	1170
TWIN GROVES	0	0	0	26	41	79	103	81	81	131	152	130	142	94	79	123	117	119	120	120	119	95	79	78	78	82	78	78	78	81	78	2652
SALEM UNION	233	232	230	233	233	233	232	233	208	206	184	176	216	218	160	121	123	121	121	123	124	126	123	124	123	123	121	121	119	121	123	5184
TOTAL DIV ASHTON TO ST ANTHONY	805	683	722	699	711	736	760	742	716	814	840	778	853	762	746	771	809	817	821	818	822	805	807	789	761	669	657	631	628	632	672	23146
EGIN	243	240	245	213	213	213	223	222	216	211	214	329	229	238	123	240	265	267	267	190	225	292	274	240	240	240	232	240	241	243	260	7268
ST ANTHONY UNION FEEDER	78	69	67	49	48	39	40	39	36	37	31	43	31	61	70	72	68	71	70	75	73	71	78	68	70	73	73	70	68	69	69	1936
INDEPENDENT	213	229	223	221	221	225	223	221	203	209	225	219	250	289	257	242	229	215	213	209	209	199	189	185	185	209	187	189	196	199	197	6679
CONSOLIDATED FARMERS	137	232	226	206	218	217	206	178	199	198	198	188	188	196	174	196	198	198	167	80	150	152	150	148	150	151	150	120	71	69	69	5174
TOTAL DIV ST ANTHONY TO REXB'G.	671	770	761	689	700	694	692	660	654	675	688	679	719	784	674	760	760	751	707	564	661	714	691	646	650	683	662	629	576	580	595	21097

TETON RIVER CANALS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
SIDDOWAY	11	10	9	9	8	6	6	8	9	8	5	4	4	4	3	3	3	3	3	3	3	3	3	2	2	1	1	1	2	2	2	144
WILFORD	69	71	69	66	64	64	64	62	60	58	56	54	53	54	56	56	61	64	72	74	71	73	69	66	63	47	53	50	40	40	41	1821
TETON IRRIGATION	65	61	61	61	59	59	60	54	64	56	48	58	67	65	61	61	63	63	63	51	65	62	61	61	57	55	51	50	47	46	46	1779
GOOD LUCK	11	11	13	15	13	14	14	14	16	15	14	13	13	12	12	14	13	12	13	13	12	12	12	11	11	9	8	8	7	8	8	373
PIONEER	20	19	17	15	15	15	14	16	18	15	14	14	11	9	9	0	16	13	14	18	12	14	12	20	11	15	14	14	15	15	15	439
STEWART	15	15	13	14	14	15	14	15	15	14	12	12	12	13	13	12	12	12	11	15	13	11	11	10	10	11	11	11	11	11	11	391
PINCOCK BYINGTON	7	7	7	7	7	6	6	7	9	9	8	8	7	0	0	0	0	0	8	10	7	7	7	7	7	7	7	7	7	7	6	189
PINCOCK GARNER	8	9	7	7	7	6	7	10	9	8	8	8	7	7	7	4	7	8	9	9	7	7	6	6	6	7	7	8	8	6	8	230
TETON ISLAND FEEDER	212	209	201	199	199	196	201	238	238	233	201	206	194	199	191	191	186	169	154	191	188	189	138	134	132	136	136	146	140	147	134	5532
FOXANA	18	18	18	18	18	16	16	6	10	12	12	4	12	14	14	13	13	13	11	11	10	10	10	9	8	3	5	5	9	9	8	306
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	3	0	0	0	0	0	0	0	3	16	16	14	10	4	0	2	4	4	4	4	4	4	4	4	3	4	4	3	3	4	3	129
CITY OF REXBURG	28	29	34	30	30	23	28	33	33	39	34	34	32	26	30	29	30	30	26	24	26	27	27	28	28	25	27	28	30	32	30	910
REXBURG IRRIGATION	131	139	130	130	129	141	140	149	169	149	128	124	120	114	120	119	114	101	80	38	108	104	104	101	99	104	124	126	132	128	122	3777
TOTAL DIVERSIONS	598	598	581	571	565	561	570	612	658	632	555	553	542	512	516	506	522	482	468	501	476	453	426	409	397	404	430	446	426	434	435	16070

DAILY DISCHARGE IN SECOND FEET OF CANALS DIVERTING FROM HENRYS FORK AND TRIBUTARIES FOR AUGUST 1926.

FALL RIVER CANALS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
YELLOWSTONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	7	1	0	9	9	9	8	9	9	8	8	0	85
HARRIGFELD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	4	3	3	3	2	2	2	4	4	4	4	0	59
MARYSVILLE	70	71	70	81	81	81	11	4	0	0	0	0	0	0	0	0	0	0	0	11	22	23	23	24	24	24	24	24	24	14	0	708
TOTAL DIV ABOVE SQUIRREL	70	71	70	81	81	81	11	4	0	0	0	0	0	0	0	0	0	0	10	22	26	26	35	35	35	34	37	37	36	26	0	850
FARMERS OWN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	6	6	6	6	6	6	6	6	6	5	2	71
ENTERPRISE	0	0	0	0	0	0	0	0	0	31	56	55	57	56	51	0	43	42	16	0	0	0	0	0	0	0	0	0	0	0	0	407
BELL	0	0	0	0	0	0	1	2	0	0	0	0	1	1	1	1	1	2	4	3	2	0	2	2	1	1	1	1	1	2	2	32
FALL RIVER	348	348	336	346	346	341	343	312	334	308	305	314	269	269	263	262	260	258	208	268	258	254	264	261	263	264	268	268	258	258	8314
MCBEE	4	11	4	4	4	3	3	4	2	0	0	3	5	5	6	6	5	4	1	1	1	1	1	1	1	1	1	1	1	1	1	109
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	0
SILKEY	0	0	0	0	0	3	8	16	7	0	0	11	14	17	17	17	17	17	22	18	16	15	15	14	14	14	14	8	0	0	0	295
BURR	22	22	22	21	21	21	20	22	22	22	22	22	23	23	22	24	23	23	25	24	23	22	22	23	8	17	16	17	17	16	16	658
WHITE	2	2	3	2	3	2	2	3	4	3	3	3	2	2	2	1	1	1	2	1	1	1	0	0	0	0	0	0	0	0	0	46
TOTAL DIV SQUIRR TO CHESTER	376	383	365	373	374	370	377	359	369	364	406	409	371	373	362	311	350	347	330	312	303	299	299	305	300	296	296	288	280	284	280	10629

HENRYS FORK CANALS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
DEWEY	20	20	20	20	20	19	20	20	16	17	16	16	16	16	16	13	13	14	13	13	13	13	13	12	11	12	11	12	12	12	4	463
LAST CHANCE	33	35	34	36	36	28	34	33	30	31	32	35	34	32	33	34	29	28	33	31	32	32	32	31	30	30	32	30	33	36	18	965
ST ANTHONY UNION	366	378	348	378	387	376	382	378	375	287	273	288	283	271	249	264	252	264	256	269	256	264	259	288	294	292	312	299	306	310	310	9442
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	0
TWIN GROVES	0	0	0	0	0	0	0	4	4	4	4	4	2	4	4	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	4	54
SALEM UNION	123	123	124	127	124	123	123	124	126	124	123	126	123	123	123	124	123	126	126	123	123	123	124	121	121	76	79	40	40	40	0	3328
TOTAL DIV ASHTON TO ST ANTHONY	542	556	526	561	567	546	559	559	551	463	448	469	458	446	425	425	417	422	428	437	424	432	428	452	456	414	438	385	394	402	336	14312
EGIN	222	196	249	254	243	243	207	211	204	206	189	187	187	187	192	204	206	209	209	206	173	178	187	180	184	192	187	194	204	197	200	6776
ST ANTHONY UNION FEEDER	70	62	62	62	62	63	64	63	61	64	61	61	61	61	51	52	53	53	53	54	54	55	53	51	53	50	52	54	56	56	59	1787
INDEPENDENT	115	160	144	179	181	179	189	179	170	185	185	187	168	168	170	185	185	181	181	187	183	193	183	166	193	196	187	181	191	187	189	5540
CONSOLIDATED FARMERS	69	69	63	67	120	152	151	158	65	66	64	104	109	113	102	103	120	123	123	124	124	126	78	80	91	90	98	102	102	99	93	3162
TOTAL DIV ST ANTHONY TO REXBG	476	486	518	662	606	637	611	611	500	521	499	539	525	529	515	544	564	570	566	569	534	543	501	477	521	534	544	533	539	539	541	16765

TETON RIVER CANALS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
SIDDOWAY	5	5	5	5	1	1	1	1	1	0	0	0	0	1	0	1	2	3	3	3	3	3	3	3	2	2	3	2	2	3	4	78
WILFORD	38	40	40	38	39	38	42	42	44	50	38	62	71	65	66	68	66	66	69	67	66	69	67	65	63	64	62	64	68	74	78	1812
TETON IRRIGATION	48	44	49	43	40	46	47	41	40	35	44	46	45	46	46	43	43	44	44	43	42	43	42	40	43	40	36	36	44	44	34	1336
GOOD LUCK	8	8	9	9	10	10	9	9	11	11	11	11	10	10	9	9	9	9	9	10	9	10	10	10	8	8	8	9	8	10	9	289
PIONEER	15	13	14	15	15	13	13	14	14	12	11	9	9	10	8	8	9	9	10	10	9	9	9	9	9	9	9	9	10	13	12	338
STEWART	11	10	11	11	12	12	11	12	13	13	14	13	12	12	10	10	10	10	11	11	10	10	10	10	10	8	8	8	9	9	9	330
PINCOCK BYINGTON	6	6	6	6	7	7	7	7	9	8	8	8	8	8	6	6	6	6	6	6	5	5	5	4	5	5	5	6	5	6	6	194
PINCOCK GARNER	9	9	9	9	10	8	9	10	11	10	10	8	8	8	8	7	7	7	5	5	4	4	6	6	6	7	7	7	8	8	8	237
TETON ISLAND FEEDER	132	129	129	134	149	143	138	145	169	147	147	147	149	143	153	149	121	121	127	127	114	114	119	114	114	112	106	104	112	119	112	3499
ROXANA	8	6	7	7	6	6	7	8	8	8	9	9	10	9	8	7	7	7	7	7	7	6	7	7	5	5	5	4	4	5	5	207
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	3	4	4	4	6	5	3	3	4	4	6	6	4	4	4	3	3	4	3	5	5	5	4	4	3	2	2	2	2	3	3	117
CITY OF REXBURG	29	20	28	26	24	23	24	25	30	30	30	28	27	25	25	24	24	24	26	26	26	26	26	24	25	23	23	24	26	26	26	789
REXBURG IRRIGATION	119	117	118	122	130	122	130	139	141	147	149	140	134	135	117	122	117	117	125	133	124	123	120	117	113	108	103	103	108	117	120	3826
TOTAL DIVERSIONS	431	411	423	425	459	434	441	416	456	493	497	487	481	479	459	438	427	429	429	430	410	416	426	414	416	395	377	376	405	434	423	13646

DAILY DISCHARGE IN SECOND FEET OF CANALS DIVERTING FROM HENRYS FORK AND TRIBUTARIES FOR SEPT. 1926.

FALL RIVER CANALS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
YELLOWSTONE	0	0	0	0	0	4	2	3	4	4	4	5	5	5	5	5	5	5	5	5	2	0	0	1	2	2	2	3	3	3	84
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	9	14	14	14	14	14	16	16	16	16	16	17	22	26	11	0	0	7	7	7	7	7	16	22	308
TOTAL DIV ABOVE SQUIRREL	0	0	0	0	0	4	11	17	18	18	18	19	21	21	21	21	21	22	27	31	13	0	0	8	9	9	9	10	19	25	392
FARMERS OWN	0	0	0	0	0	0	0	0	0	0	0	0	4	5	5	5	5	4	4	8	3	5	3	0	0	0	0	0	0	0	51
ENTERPRISE	0	0	6	0	0	0	0	0	0	0	0	0	0	0	26	48	49	49	48	29	0	42	42	44	43	45	43	45	44	46	647
BELL	2	2	1	0	0	0	0	0	1	2	2	2	2	2	2	1	1	1	1	1	0	0	0	0	2	1	2	3	3	3	37
FALL RIVER	235	236	28	0	0	136	240	79	240	236	8	238	226	229	226	211	211	209	209	211	215	222	222	226	222	220	232	100	154	169	6426
McBEE	2	2	2	2	3	4	2	9	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	3	2	3	2	4	4	4	68
CHESTER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	20	21	22	13	0	0	0	0	5	0	9	7	8	8	124
SILKEY	0	0	0	0	0	0	0	0	6	16	17	15	15	15	15	8	9	10	9	7	0	6	5	0	1	6	11	17	16	17	221
CURR	17	18	18	17	18	16	16	14	14	14	16	15	15	15	15	17	16	16	23	22	27	22	23	23	22	11	22	11	11	11	11	506
WHITE	2	1	2	3	4	4	1	1	0	1	4	1	0	0	0	0	0	0	0	0	0	0	2	2	2	3	2	2	2	2	4	45
TOTAL DIV SQUIRR TO CHESTER	258	259	57	22	25	160	259	103	262	270	48	272	263	267	292	300	312	318	316	292	241	301	298	297	289	299	302	239	246	254	7119

HENRYS FORK CANALS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
DEWEY	0	12	11	12	12	12	12	12	12	11	11	10	10	11	11	10	10	4	4	4	4	5	5	21	22	15	18	19	18	20	341
LAST CHANCE	0	32	34	6	40	44	41	36	37	38	36	35	40	36	36	36	36	36	36	36	35	38	38	46	40	45	44	44	44	34	1099
ST ANTHONY UNION	314	308	314	268	269	268	252	254	258	251	264	249	251	235	230	229	229	222	225	222	226	227	227	215	222	222	182	177	179	127	7115
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	4	0	0	4
TWIN GROVES	4	4	2	4	4	4	4	4	4	4	4	4	10	4	3	26	26	27	26	9	4	6	6	5	6	6	22	34	28	32	328
SALEM UNION	0	4	40	40	40	40	40	36	36	87	87	75	98	94	100	100	101	104	104	92	84	82	82	82	79	85	74	0	0	0	1923
TOTAL DIV ASHTON TO ST ANTHONY	318	397	403	330	365	368	349	342	347	391	392	373	409	380	380	401	402	393	395	363	352	365	363	375	369	376	344	274	269	233	10210
EGIN	187	187	185	187	187	184	182	150	155	153	105	122	104	108	111	110	111	105	108	103	111	111	111	114	111	111	108	111	111	110	3248
ST ANTHONY UNION FEEDER	59	57	57	59	60	60	55	58	55	54	59	57	54	49	42	42	41	41	39	41	42	42	42	43	45	42	43	51	51	39	1459
INDEPENDENT	189	193	83	189	187	131	136	148	177	183	172	172	181	183	185	141	139	136	136	134	136	121	121	123	100	119	101	106	104	106	4432
CONSOLIDATED FARMERS	96	98	98	99	99	99	96	98	98	95	95	96	96	96	96	91	93	93	95	75	71	69	69	71	94	96	95	95	40	0	2601
TOTAL DIV ST ANTHONY TO REXBG	531	535	523	534	533	474	469	464	486	486	431	447	434	431	434	384	384	375	378	353	360	343	343	351	350	368	347	343	305	275	11480

TETON RIVER CANALS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
SIDDOWAY	4	2	2	3	3	3	3	3	1	3	3	3	4	3	2	1	1	2	2	2	1	1	2	2	1	1	1	2	1	2	44
WILFORD	73	74	73	74	58	63	61	62	61	67	55	31	38	38	38	38	39	38	40	39	40	40	40	43	43	43	43	43	43	45	1435
TETON IRRIGATION	34	29	29	38	48	38	46	44	44	46	46	28	35	35	28	29	31	30	29	29	28	27	28	27	31	34	14	33	33	37	1006
GOOD LUCK	9	9	9	9	9	9	9	10	9	9	9	8	8	8	9	9	9	9	9	9	8	7	7	7	7	7	8	8	7	9	203
PIONEER	12	12	11	10	10	11	14	13	11	10	10	10	12	12	13	14	15	15	15	15	13	11	12	14	7	14	17	10	12	14	379
STEWART	9	9	9	9	9	9	9	9	11	7	7	6	8	8	8	8	8	8	8	8	7	7	6	6	4	3	3	3	3	4	213
PINCOCK BYINGTON	5	5	5	5	4	5	6	6	6	5	5	5	5	5	5	5	5	5	5	5	4	5	5	5	6	7	7	9	8	10	168
PINCOCK GARNER	8	8	8	9	9	9	10	10	10	9	10	11	10	11	11	11	11	11	11	11	11	11	10	10	12	12	13	13	12	14	315
TETON ISLAND FEEDER	112	108	106	102	96	104	112	108	100	93	94	104	104	112	104	112	112	112	114	108	100	100	100	104	125	125	127	134	125	137	3304
ROXANA	3	3	3	3	3	3	3	3	3	3	3	3	3	5	5	5	5	4	4	4	4	3	3	4	4	4	4	4	5	6	112
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	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3	13	13	14	14	14	15	15	15	167
CITY OF REXBURG	27	27	26	24	24	26	13	27	24	22	25	21	28	28	28	29	31	33	35	35	36	32	33	36	31	28	32	18	29	23	828
REXBURG IRRIGATION	115	114	109	91	88	98	108	116	94	86	91	112	117	114	119	115	124	119	119	121	117	118	103	116	123	124	121	130	124	137	3291
TOTAL DIVERSIONS	403	402	392	379	363	370	398	411	355	361	357	343	373	368	371	377	393	389	394	379	377	370	361	385	418	416	403	422	417	475	11636

Similar low water conditions pertained on Teton River. The north fork of this stream was dry below diversions from and after June 3, while the south fork was likewise dry except for return flow after about June 10. Disputes concerning the division of water at the forks of this stream were largely averted by the employment of a watchman for the work of maintaining the relative flow in the two branches upon an equitable basis. A new and improved type of dam is understood to have been constructed at this point after the close of the 1926 irrigation season.

Regulation demands during September were somewhat less exacting than during the early part of the summer and for this reason it proved practicable to supervise the construction of a new concrete recording gage shelter at the station on Henrys Fork near Rexburg in addition to the more routine work.

While the deficiency in available water supply undoubtedly reduced the total crop production of this area to a considerable extent and the losses incurred by farmers under some of the canal systems were really serious, the net returns were generally much better than could reasonably have been expected during the early part of the season.

Actual deliveries to the canals diverting from Henrys Fork, Fall and Teton Rivers are shown on Plates XXII, XXIII, XXIV, XXV and XXVI. These are based upon daily observations from and after May 20 but discharges prior to that time have necessarily been partially estimated or interpolated. In the matter of recomputation of data as well as in other respects, the records here presented correspond and are consistent with those contained on Plates III, IV, V, VI and VII.

Plates XXVII and XXVIII summarize data in regard to the flow of the three principal streams, diversions therefrom, losses and gains throughout different sections, in so far as it is practicable to show all these facts in such tables.

The time interval basis used therein for the presentation of river records is as follows:

1926 DISTRIBUTION WATER DISTRICT NO. 36

DAILY SUMMARY OF DATA AT AND BETWEEN GAGING STATIONS ON HENRY

1926	HENRYS LAKE RESERVOIR			HENRYS FORK LAKE STATION				HENRYS FORK WARM RIVER STA.					HENRYS FORK ASHTON STATION					FALL RIVER SQUIRREL					FALL RIVER DIVERSIONS					CHESTER			
DATE	GAGE	CAPAC A.F.T.	DRAFT A.F.T.	GAGE	DISCH	STOR	NOR.	DATE	GAGE	DISCH	STOR	NOR	DATE	GAGE	DISCH	STOR	NOR.	DATE	GAGE	DISCH	CANALS ABOVE STATION	SQUIRREL + CANALS ABOVE	DATE	TOTAL	STOR	NOR	THEO. BAL. AT CHESTER	DATE	GAGE	DISCH	GAIN ABOVE
May 18				6.77	20			May 19	484	1230			May 20	1.09	1770			May 19	328	1640	54	1694	May 20	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19				0.78	21			20	484	1230			21	1.10	1730			20	348	1880	57	1937	21	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20				0.79	22			21	482	1240			22	1.11	1770			21	375	2240	62	2302	22	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21				0.81	23			22	480	1200			23	1.04	1640			22	367	2130	66	2196	23	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22				0.80	22			23	478	1190			24	0.99	1550			23	360	2040	91	2131	24	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23				0.80	22			24	477	1180			25	1.04	1660			24	390	2450	133	2583	25	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24				0.81	23			25	475	1170			26	0.96	1510			25	[illegible]	[illegible]	142	[illegible]	26	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25				0.86	26			26	473	1160			27	1.01	1620			26	340	1840	155	1995	27	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26				1.30	66			27	474	1160			28	0.98	1570			27	325	1600	170	1770	28	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27				1.73	119			28	473	1150			29	1.02	1640			28	340	1780	161	1941	29	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28				1.72	118			29	469	1130			30	0.98	1570			29	333	1700	161	1861	30	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29				1.72	118			30	467	1110			31	0.95	1510			30	340	1780	20	1800	31	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30				1.71	116			31	465	1100			Jun 1	0.93	1480			31	345	1840	21	1861	Jun 1	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31				1.71	116			June 1	464	1090			2	0.92	1460			Jun 1	325	1600	63	1663	2	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
June 1	[illegible]			1.63	109			2	464	1090			3	0.92	1460			2	302	1330	185	1515	3	884		884	691	[illegible]	[illegible]	[illegible]	[illegible]
2	3230			1.60	103			3	462	1080			4	0.90	1430			3	29	1210	187	1397	4	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	3229			1.51	92			4	458	1050			5	0.88	1390			4	283	1130	206	1336	5	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	3229			1.45	85			5	456	1040			6	0.87	1380			5	286	1150	221	1371	6	954		954	417	[illegible]	[illegible]	[illegible]	[illegible]
5	3231			1.39	72			6	454	1020			7	0.84	1330			6	300	1310	230	1540	7	486		486	1054	[illegible]	[illegible]	[illegible]	[illegible]
6	3236			1.32	71			7	452	1010			8	0.85	1340			7	300	1310	236	1546	8	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	3230			1.30	69			8	449	990			9	0.84	1330			8	295	1260	244	1504	9	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	3225			1.29	65			9	450	996			10	0.85	1340			9	285	1150	242	1392	10	879		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	3225			1.25	64			10	448	983			11	0.82	1300			10	277	1070	236	1306	11	806		806	500	[illegible]	[illegible]	[illegible]	[illegible]
10	3218			1.22	61			11	446	970			12	0.80	1260			11	252	832	235	1067	12	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	3220			1.15	58			12	444	957			13	0.80	1260			12	250	814	236	1050	13	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	3200	66786		1.14	53			13	444	957			14	0.77	1220			13	240	727	224	951	14	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	3195	60488	298	4.10	204	150	54	14	465	1100	148	952	15	0.96	1530	147	1383	14	230	644	217	861	15	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	3188	60070	418	4.12	255	211	44	15	467	1110	208	902	16	0.87	1380	207	1173	15	220	565	210	775	16	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	3185	59892	178	1.84	133	90	43	16	460	1060	89	971	17	0.90	1430	88	1342	16	216	535	215	750	17	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	3183	59772	120	1.62	105	61	45	17	452	1010	60	950	18	0.86	1340	60	1280	17	215	528	220	748	18	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	3182	59712	60	1.39	78	30	48	18	448	983	30	953	19	0.85	1330	29	1301	18	210	490	224	714	19	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	3181	59652	60	1.27	66	30	36	19	447	976	30	946	20	0.84	1310	29	1281	19	240	727	17	744	20	540		540	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	3181	59652	0	1.21	60	0	60	20	445	964	0	964	21	0.82	1280	0	1280	20	250	814	0	814	21	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	3181	59652	0	1.20	59	0	59	21	444	957	0	957	22	0.81	1260	0	1260	21	[illegible]	744	0	744	22	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	3181	59652	0	1.20	59	0	59	22	443	950	0	950	23	0.77	1200	0	1200	22	240	727	43	770	23	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	3181	59652	0	1.21	60	0	60	23	443	950	0	950	24	0.80	1230	0	1230	23	220	567	129	696	24	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	3181	59652	0	1.22	61	0	61	24	442	942	0	942	25	0.81	1250	0	1250	24	215	528	105	633	25	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	3180	59593	59	1.19	58	30	28	25	440	931	30	901	26	0.81	1250	29	1221	25	215	528	105	633	26	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	3179	59534	59	1.38	77	30	47	26	446	970	30	940	27	0.80	1230	29	1201	26	215	528	52	580	27	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	3174	59235	299	2.15	177	151	26	27	454	1020	149	871	28	0.87	1340	148	1192	27	230	644	0	644	28	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	3169	58938	297	2.16	178	160	28	28	457	1040	148	892	29	0.86	1330	147	1183	28	228	628	0	628	29	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	3160	58400	538	2.96	306	271	35	29	467	1120	267	853	30	0.92	1460	266	1194	29	230	644	0	644	30	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	3149	57744	656	3.23	357	331	26	30	478	1200	326	874	Jul 1	0.99	1530	325	1205	30	228	628	25	653	Jul 1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	3131	56670	1074	[illegible]	[illegible]	541	35	Jul 1	490	1300	533	767	2	1.09	1690	530	1160	Jul 1	220	565	98	663	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Jul 1	3112	55538	1132	4.22	586	571	15	2	495	1370	562	808	3	1.11	1730	560	1170	2	215	528	99	627	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	3094	54471	1067	4.20	581	538	43	3	499	1370	530	840	4	1.11	1730	527	1203	3	212	505	99	604	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	3076	53418	1053	4.08	550	531	19	4	498	1370	523	847	5	1.09	1690	520	1170	4	211	498	99	597	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	3058	52364	1054	4.11	558	531	27	5	497	1360	523	837	6	1.11	1730	520	1210	5	210	490	99	589	6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	3040	51311	1053	4.09	553	531	22	6	498	1370	523	847	7	1.10	1710	520	1190	6	210	490	98	588	7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	3022	50257	1054	4.14	566	531	35	7	501	1390	523	867	8	1.14	1790	520	1270	7	210	490	103	593	8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	3004	49204	1053	4.15	568	531	37	8	502	1400	523	877	9	1.18	1860	520	1340	8	210	490	120	610	9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	2986	48168	1036	4.04	540	522	18	9	501	1390	514	876	10	1.12	1750	512	1238	9	215	528	121	649	10	608	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	2972	47365	803	3.65	447	405	42	10	494	1340	399	941	11	1.11	1730	397	1333	10	208	476	120	596	11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	2961	46734	631	3.16	343	318	25	11	487	1250	313	937	12	0.96	1460	312	1148	11	205	454	57	511	12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	2957	46506	228	1.98	152	115	37	12	465	1080	113	967	13	0.91	1380	113	1267	12	218	550	22	572	13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	2952	46219	287	2.14	176	145	31	13	460	1090	143	947	14	0.92	1360	[illegible]	[illegible]	13	218	550	22	572	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	2944	45760	459	2.68	260	231	29	14	465	1150	227	923	15	0.96	[illegible]	[illegible]	[illegible]	14	223	[illegible]	[illegible]	[illegible]	15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	2927	44786	974	3.95	518	491	27	15	479	1300	484	816	16	1.10	1690	481	1209	15	220	565	[illegible]	[illegible]	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	2909	43754	1032	4.07	536	520	16	16	495	1340	512	828	17	1.12	1730	510	1220	16	215	528	[illegible]	[illegible]	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	2889	42622	1132	4.27	599	571	28	17	500	1380	562	818	18	1.10	1690	560	1130	17	218	550	10	560	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	2866	41332	1290	4.54	670	650	20	18	507	1430	640	790	19	[illegible]	1720	634	[illegible]	18	215	528	9	537	19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	2846	40155	1177	4.37	625	593	32	19	509	1450	584	866	20	1.16	1800	581	[illegible]	19	[illegible]	565	9	574	20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	2826	39090	1065	4.09	553	537	16	20	503	1400	529	871	21	1.13	1750	[illegible]	[illegible]	20	218	[illegible]	9	[illegible]	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	2803	37801	1289	4.57	678	650	28	21	508	1440	640	800	22	1.16	1790	[illegible]	[illegible]	21	[illegible]	528	9	537	22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	2780	36537	1264	4.53	667	637	30	22	510	1460	645	815	23	1.20	1860	624	[illegible]	22	215	528	9	537	23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	2757	35278	1259	4.50	659	635	24	23	508	1440	625	815	24	1.13	[illegible]	632	[illegible]	23	[illegible]	[illegible]	9	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	2734	34018	1260	4.47	651	635	16	24	508	1440	625	815	25	1.14	1770	632	[illegible]	24	213	512	9	521	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	2711	32758	1260	4.47	651	635	16	25	509	1450	625	825	26	1.16	1790	632	[illegible]	25	212	505	8	513	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Jul 25	2688	31513	1245	4.47	651	623	28	Jul 26	510	1460	619	841	Jul 27	1.16	1790	675	1115	Jul 26	212	505	[illegible]	[illegible]	Jul 27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

PLATE NO. XXVII

VS ON HENRY'S FORK AND TRIBUTARIES.

CHESTER			GAIN ABOVE CHESTR	HENRY'S FORK											TETON RIVER						
				ASHTON + CHESTR	DIVERS ABOVE ST ANTH.		THEO BAL AT ST ANT	ST ANTHONY STA.			GAIN ASH TO ST ANT	DIVERS BELOW ST ANTH		THEO BAL BELOW DIVERS	EST BAL BELOW DIVERS	ST ANTH. STA.			THEO BAL BELOW DIVERS	EST BAL BELOW DIVERS	THEO BAL HEN FK + ST ANT + TETON RIVER	HEN FK NR PEARG	GAIN BELOW ST ANTH
DATE	GAGE	DISCH			STOR	NOR		GAGE	DISCH	STOR	NOR	STOR	NOR			GAGE	DISCH	RIVER					
MAY 20	3.80	1850	910	3560		1310	2250																
21	3.44	1830	1171	3610		1305	2305	4.15	2090		2090	-160		1041	1049								
22	3.85	1840	917	3610		1305	2305	4.25	2140		2490	135		1019	1431								
23	4.02	2070	677	3570		1317	2253	4.21	2120		2410	52		1007	1405								
24	4.09	2160	935	3730		1307	2423	4.32	2180		2240	-219		1008	1272								
25	3.81	1940	1234	3560		1304	2256	4.36	2200		2560	36		993	1557								
26	3.57	1780	-338	3390		1140	2250	4.43	2230		2716	350		907	1803								
27	3.45	1720	293	3040		1103	1937	4.24	2140		2340	435		771	1469								
28	3.38	1648	286	3110		1100	2010	4.06	2070		1970	30		852	1118								
29	3.39	1650	291	2990		1174	1816	3.92	1970		1600	67		588	917								
30	3.45	1720	360	2990		1187	1803	3.84	1900		1700	-103		941	762								
31	3.36	11950	267	3160		1265	1895	3.46	1600		1600	-145		937	663								
JUN 1	3.01	953	-120	2933		1212	1721	3.38	1530		1650	86		496	734								
2	2.97	820	45	2780		1192	1588	3.28	1490		1430	239		393	537								
3	2.68	654	23	2114		1222	1398	3.65	1670		1270	112		650	410								
4	2.45	470	-242	1900		1133	997	3.57	1660		1160	179		861	299								
5	2.50	506	118	1896		1109	791	3.49	1550		1056	259		851	199								
6	3.16	1090	673	2470		1101	1368	3.47	1527		947	152		737	210								
7	2.76	743	-279	2105		1071	1399	3.36	1536		936	-183		917	119								
8	2.69	643	15	1885		1157	728	3.62	1740		1240	357		813	427								
9	2.70	645	5	1975		1061	914	3.48	1610		1210	342		780	430								
10	2.36	397	-116	1737		1006	731	3.53	1650		1050	136		783	267								
11	1.98	210	-290	1510		954	656	3.54	1730		1110	379		703	407								
12	1.86	157	-78	1417		750	667	3.40	1658		1130	474		705	415								
13	1.72	133	-144	1393		729	614	3.29	1554		958	291		689	269								
14	1.59	100	-119	1320		770	530	3.23	1471		804	110		724	110								
15	1.49	77	-63	1607		861	746	3.37	1594		771	221		715	56	0							
16	1.50	77	13	1457		817	640	3.26	1702	147	777	178		740	184	0							
17	1.53	81	50	1511		807	704	3.28	1760	84	672	66		747	13	0							
18	1.52	79	64	1419		777	602	3.23	1732	60	724	140		671	111	0							
19	2.11	247	19	1377		762	575	3.18	1731	29	702	-24		709	-39	0							
20	2.15	263	59	1573		549	730	3.35	1912	29	883	182		741	164								
21	2.13	254	-39	1534		760	774	3.20	1870		970	196		771	249								
22	1.95	191	3	1451		691	760	3.43	1996		964	336		655	341								
23	1.87	168	2	1463		671	717	3.43	1990		1190	173		935	255								
24	1.82	153	37	1335		693	692	3.17	1824		1124	132		693	131								
25	1.80	149	88	1399		752	641	3.24	1892		792	145		649	103								
26	2.12	250	126	1500	171	569	780	3.18	1731	133	764	-79	15	567	1249								
27	2.00	207	69	1497	75	507	899	3.44	1920	72	948	165	10	585	415								
28	1.90	174	-74	1514	100	461	893	3.48	1970	106	962	177	20	649	401								
29	1.92	180	24	1510	76	570	924	3.43	1940	249	791	126	35	587	564								
30	1.92	180	41	1640	82	574	984	3.51	1990	449	668	176	195	513	402								
JUL 1	1.95	188	73	1778	84	751	913	3.46	1980	408	642	197	96	485	379								
2	1.84	157	12	1747	33	650	1164	3.40	1960	376	863	76	309	461	470								
3	1.82	152	-33	1792	92	530	1160	3.40	1942	380	911	40	303	458	479								
4	1.74	137	63	1847	92	607	1111	3.41	1962	339	901	72	233	306	371								
5	1.95	66	78	1950	94	617	1139	3.60	1940	327	913	101	259	441	549								
6	1.82	52	72	1982	172	564	1146	3.63	1970	349	821	124	288	336	576								
7	1.75	33	69	1923	124	526	1033	3.54	1960	221	939	77	251	421	468								
8	1.82	52	111	1942	193	569	1200	3.67	1960	283	1057	60	271	439	600								
9	1.76	36	81	1996	124	641	1237	3.65	1920	84	1334	39	237	417	666								
10	1.61	95	54	1945	170	644	1091	3.56	1930	8	1174	149	118	557	505								
11	1.80	144	15	1974	170	670	1234	3.43	1910	94	1104	-24	113	570	532								
12	1.84	153	110	1615	85	693	937	3.30	1855	11	944	15	118	581	776								
13	1.90	171	61	1561	164	749	698	3.22	1771	84	887	73	173	608	53								
14	1.72	103	30	1593	184	574	781	3.23	1732	159	623	21	134	550	52								
15	1.73	104	0	1502	339	514	776	3.17	1736	140	796	90	212	414	312								
16	1.70	144	7	1834	326	415	1013	3.16	1850	174	872	273	284	576	500								
17	1.77	136	28	1866	339	570	1054	3.36	1880	762	838	43	236	324	340								
18	1.85	157	28	1847	307	480	1090	3.46	1850	806	844	70	236	516	299								
19	1.85	157	49	1977	330	491	1156	3.54	1960	169	1001	4	275	432	453								
20	1.84	153	3	1955	329	429	1137	3.55	1980	277	890	33	119	436	676								
21	1.86	150	-23	1880	341	491	1058	3.53	1950	246	884	72	331	330	459								
22	1.78	141	49	1911	326	479	1106	3.46	1910	284	826	4	223	486	396								
23	1.70	121	13	1921	312	493	1124	3.49	1930	230	870	16	237	402	639								
24	1.74	136	3	1936	309	450	1162	3.49	1950	178	917	61	270	374	584								
25	1.76	93	0	1839	307	454	1078	3.44	1900	304	832	32	272	378	510								
26	1.71	85	-6	1843	240	484	1124	3.56	1930	318	865	9	271	410	497								
JUL 27	1.72	83	-7	1825	290	407	1136	3.63	1970	276	1044	14	327	535	628								

1926 DISTRIBUTION WATER DISTRICT NO 36

DAILY SUMMARY OF DATA AT AND BETWEEN GAGING STATIONS

1926	HENRYS LAKE RESERVOIR			HENRYS FORK LAKE STATION				HENRYS FORK WARM RIVER STA					ASHTON STATION					FALL RIVER SQUIRREL			CANALS ABOVE STATION	SQUIRREL & CANALS ABOVE	FALL RIVER DIVERSIONS				TA... CH...
	GAGE	CAPAC. A. FT.	DRAFT A.FT.	GAGE	DISCH	STOR	NOR.	DATE	GAGE	DISCH	STOR	NOR	DATE	GAGE	DISCH	STOR	NOR.	DATE	GAGE	DISCH				DATE	TOTAL	STOR.	NOR	
1	2.57	30390	1113	0.23	602	566	36						28	1.14	1450	553	1192	Jul 31	2.10	490		8	498	Jul 25	450	64	386	
2	2.49	29426	964	3.91	509	486	23						29	1.02	1330	476	1054		2.16	528		8	536	29	492	107	385	
3	2.30	28409	1017	3.98	526	513	13						30	1.09	1660	503	1132		2.02	433		94	477	30	476	133	343	
4	2.11	27392	1017	4.02	536	513	23						31	1.03	1440	503	1037		2.00	419		70	489	31	446	86	360	
5	2.04	26491	901	3.81	485	454	31						Aug 1	1.09	1660	445	1218		2.00	419		70	489	Aug 1	446	90	356	
6	2.01	25602	889	3.93	480	448	32						2	1.07	1620	439	1181		2.00	419		70	489	2	454	60	394	
7	1.99	24682	920	3.78	427	424	3						3	1.03	1550	465	1085		1.99	412		81	493	3	455	60	395	
8	1.92	23774	908	3.77	495	448	47						4	1.04	1570	439	1131		1.99	412		81	493	4	454	60	394	
9	1.85	22886	888	3.77	476	448	27						5	1.06	1600	432	1161		2.02	433		81	514	5	453	60	393	
10	1.78	21998	888	3.78	477	448	29						6	1.02	1530	439	1091		2.08	476		11	487	6	388		388	
11	1.73	21180	818	3.65	447	438	9						7	1.05	1580	429	1151		2.08	476		11	487	7	363		363	
12	1.67	20489	691	3.32	373	353	20						8	0.95	1390	346	1044		2.14	520		4	524	8	369		369	
13	1.62	19779	650	3.21	351	328	23						9	0.97	1440	321	1119		2.16	528		0	528	10	364		364	
14	1.57	19129	650	3.18	345	328	17						10	0.99	1480	321	1159		2.10	490		0	490	11	406	31	375	
15	1.52	18528	601	3.06	321	303	18						11	0.91	1360	297	1063		2.20	565		0	565	12	409	56	353	
16	1.48	17978	550	2.92	296	277	19						12	0.92	1380	271	1109		2.14	520		0	520	13	377	45	332	
17	1.43	17528	450	2.64	250	227	23						13	0.96	1460	272	1233		2.13	512		0	512	14	373	67	306	
18	1.41	17127	401	2.43	215	202	13						14	0.87	1310	198	1112		2.10	490		0	490	15	362	56	306	
19	1.40	16827	300	2.10	165	151	14						15	0.81	1230	148	1082		2.08	476		0	476	16	311	51	260	
20	1.38	16527	250	2.07	154	126	28						16	0.82	1200	124	1076		2.10	490		0	490	17	350	0	350	
21	1.36	16296	281	2.02	152	142	10						17	0.82	1260	139	1121		2.08	476		0	476	18	347	43	304	
22	1.34	16014	282	2.02	152	142	10						18	0.84	1310	139	1171		2.08	476		0	476	19	340	42	298	
23	1.33	15780	234	1.97	130	118	12						19	0.85	1330	116	1214		2.32	661		10	671	20	332	16	316	
24	1.30	15639	141	1.55	91	71	20						20	0.85	1340	70	1270		2.10	490		22	512	21	329		329	
25	1.28	15546	93	1.58	94	47	47						21	0.83	1310	46	1264		2.10	490		26	516	22	325		325	
26	1.26	15405	141	1.58	93	71	22						22	0.81	1300	70	1230		2.08	476		26	502	23	332		332	
27	1.24	15264	141	1.58	93	71	22						23	0.80	1280	70	1210		2.08	476		35	511	24	340		340	
28	1.22	15124	140	1.58	93	71	22						24	0.76	1230	70	1160		2.08	476		35	511	25	335		335	
29	1.20	14983	141	1.58	92	71	21						25	0.75	1220	70	1150		2.04	447		35	482	26	330		330	
30	1.18	14847	137	1.72	109	94	15						26	0.75	1220	97	1125		2.02	433		34	467	27	331		331	
31	1.16	14561	235	1.93	138	118	20						27	0.79	1280	116	1164		2.04	447		37	484	28	325		325	
32	1.15	14320	241	2.00	144	142	2						28	0.76	1230	139	1091		2.02	433		37	470	29	316		316	
33	1.13	14044	236	2.00	144	119	25						29	0.83	1340	117	1223		1.96	402		36	438	30	312		312	
34	1.11	13808	240	2.00	144	141	3						30	0.83	1320	139	1202		2.06	462		36	498	31	290		290	
35	1.09	13574	234	2.00	143	118	25						31	0.84	1360	116	1244		2.06	462		28	490					
36	1.07	13330	235	2.00	143	119	24						SEPT 1	0.81	1310	117	1193		2.08	476		0	476	SEPT 1	258		258	
37	1.04	13049	281	2.17	166	142	24						2	0.81	1310	139	1171		2.10	490		0	490	2	259		259	
SEPT 1	1.02	12715	334	2.50	215	213	2						3	0.83	1340	209	1131		2.08	476		0	476	3	57		57	
2	1.00	12592	423	2.50	215	189	26						4	0.88	1430	185	1245		2.08	476		0	476	4	22		22	
3	0.97	12217	375	2.51	215	210	5						5	0.86	1390	206	1184		2.08	476		0	476	5	25		25	
4	0.98	11801	416	2.40	193	177	21						6	0.82	1330	173	1157		2.08	476		0	476	6	164		164	
5	0.90	11449	352	2.19	166	155	11						7	0.78	1260	157	1103		2.06	462		0	462	7	170		170	
6	0.83	11141	308	2.27	177	155	22						8	0.78	1260	152	1108		2.08	476		11	487	8	120		120	
7	0.76	10853	303	2.33	186	155	31						9	0.78	1280	152	1128		2.06	462		17	479	9	230		230	
8	0.69	10525	328	2.03	150	133	17						10	0.82	1330	130	1200		2.04	447		18	465	10	285		285	
9	0.63	10261	264	0.95	23	22	6						11	0.74	1200	115	1085		2.02	433		18	451	11	66		66	
10	0.62	10217	44	0.95	22	0	28						12	0.70	1140	0	1140		2.02	433		18	451	12	291		291	
11				0.95	23		23						13	0.70	1140		1140		2.00	419		19	438	13	284		284	
12				0.96	23		23						14	0.70	1140		1140		2.00	419		21	440	14	288		288	
13				0.96	23		23						15	0.71	1160		1160		2.00	419		21	440	15	313		313	
14				0.96	23		23						16	0.72	1170		1170		2.00	419		21	440	16	327		327	
15				0.98	29		29						17	0.74	1200		1200		2.00	419		21	440	17	333		333	
16				1.00	35		35						18	0.73	1190		1190		2.02	433		22	455	18	340		340	
17				1.02	32		32						19	0.71	1160		1160		2.02	433		27	460	19	343		343	
18				0.93	25		25						20	0.72	1140		1140		1.98	406		31	437	20	323		323	
19				1.02	32		32						21	0.71	1160		1160		2.00	419		33	452	21	254		254	
20				1.01	31		31						22	0.70	1140		1140		2.04	447		0	447	22	301		301	
21				1.00	30		30						23	0.68	1110		1110		2.04	447		0	447	23	288		288	
22				1.00	30		30						24	0.74	1200		1200		2.00	419		8	427	24	305		305	
23				1.01	31		31						25	0.72	1170		1170		2.00	419		8	427	25	294		294	
24				1.01	31		31						26	0.67	1090		1090		2.00	419		9	428	26	302		302	
25				0.99	30		30						27	0.63	1020		1020		2.00	419		9	428	27	247		247	
26				0.90	23		23						28	0.67	1090		1090		2.00	419		10	429	28	261		261	
27				0.90	23		23						29	0.71	1160		1160		2.00	419		19	438	29	263		263	
28				0.91	24		24						30	0.71	1160		1160		1.98	406		23	429	30	279		279	
29				0.94	29		29						OCT 1											OCT 1				
30				1.02	32		32																					
31																												
TOTALS																				24705	3356	10845			6425			

ATIONS ON HENRY'S FORK AND TRIBUTARIES

PLATE NO. XXVIII

EO AL T. STR	CHESTER			GAIN ABOVE CHESTR	HENRYS FORK ASHTON + CHESTR	DIVERS ABOVE ST. ANTH.		THEO BAL AT ST ANT	ST ANTHONY STA.				GAIN ASH TO ST ANT	DIVERS BELOW ST ANTH		THEO BAL BELOW DIVERS	EST BAL BELOW DIVERS	TETON RIVER ST ANTH STA.			TETON RIVER THEO BAL BELOW DIVERS	TETON RIVER EST BAL BELOW DIVERS	THEO BAL HEN FK ST ANT + TETON RIVER	HEN FK NR REXBG	GAIN BELOW ST ANTH
	DATE	GAGE	DISCH			STOR	NOR		GAGE	DISCH	STOR	NOR		STOR	NOR			GAGE	DISCH	DIVERS					
33	JUL 28	1.22	55	7	1805	260	377	1174	3.60	1240	243	997	66	297	332	611		0.42	509	440	69		680	985	305
44	29	1.39	50	6	1580	257	377	932	3.49	1090	202	888	138	248	327	516		0.40	541	456	85		601	928	327
1	30	1.32	40	39	1700	257	375	1068	3.56	1180	128	1052	112	246	334	600		0.46	528	454	74		674	932	[illegible]
93	31	1.32	40	3	1680	180	392	1108	3.57	1200	199	1001	92	246	339	615		0.45	509	435	74		689	928	[illegible]
93	AUG 1	1.32	40	-3	1700	176	366	1158	3.56	1180	229	951	22	246	230	704		0.40	500	431	69		773	952	[illegible]
95	2	1.36	46	11	1666	178	378	1110	3.58	1210	201	1009	100	246	240	724		0.39	496	411	85		809	1000	191
45	3	1.56	95	60	1643	178	348	1119	3.55	1170	201	969	51	240	278	652		0.39	496	423	73		725	991	266
28	4	1.58	100	72	1670	183	378	1109	3.57	1200	196	1004	91	244	318	638		0.43	514	428	86		724	962	238
98	5	1.55	93	55	1693	180	387	1126	3.59	1230	189	1041	104	140	466	624		0.48	537	459	78		702	951	249
92	6	1.64	115	73	1645	167	375	1103	3.54	1160	119	1041	57	92	545	523		0.45	523	434	89		612	884	272
26	7	1.71	133	7	1713	177	382	1154	3.57	1200	144	1056	46	90	521	589		0.42	509	441	68		657	923	266
24	8	1.90	185	61	1575	177	382	1016	3.47	1060	144	916	44	77	534	449		0.44	518	456	62		511	890	379
55	9	1.93	194	39	1634	172	379	1083	3.52	1130	125	1005	47	84	416	630		0.46	528	496	32		662	1000	338
64	10	1.84	168	4	1648	124	339	1185	3.58	1200	147	1053	15	86	435	679		0.46	528	493	35		714	1050	336
84	11	1.94	198	114	1558	123	325	1110	3.53	1130	99	1031	20	89	410	631		0.50	546	507	39		670	1030	360
56	12	1.94	198	42	1578	126	343	1109	3.56	1170	72	1098	61	51	488	631		0.46	528	[illegible]	41		[illegible]	1050	[illegible]
49	13	1.87	177	28	1637	123	335	1179	3.56	1170	25	1145	-9	47	478	645		0.44	518	487	31		676	1070	394
39	14	1.83	166	27	1476	123	323	1030	3.47	1050	1	1049	20	51	478	521		0.41	505	479	26		547	985	438
28	15	1.89	182	54	1412	80	345	987	3.41	983	59	924	-4	42	473	468		0.38	491	429	62		530	902	[illegible]
65	16	1.84	168	3	1418	80	345	993	3.46	1040	59	981	47	38	506	496		0.35	478	430	48		544	901	[illegible]
40	17	1.84	166	28	1428	60	357	1011	3.46	1040	56	984	29	35	509	476		0.32	465	427	38		514	901	[illegible]
79	18	2.00	217	88	1527	60	362	1105	3.48	1060	10	1050	-45	58	512	490		0.31	460	429	31		[illegible]	[illegible]	[illegible]
36	19	2.01	220	84	1550	80	348	1122	3.55	1160	-34	1194	38	54	512	594		0.37	487	449	38		632	985	353
57	20	1.97	207	-130	1547	80	357	1110	3.57	1180	-10	1190	70	54	515	611		0.33	491	455	36		647	1000	353
83	21	1.96	204	21	1514	80	344	1090	3.50	1090	-10	1100	0	64	470	556		0.35	478	425	53		609	[illegible]	[illegible]
91	22	1.92	191	0	1491	80	342	1069	3.40	968	-10	968	-111	65	478	415		0.33	469	426	43		458	901	[illegible]
68	23	1.92	191	23	1471	80	348	1043	3.40	958	-10	968	-85	20	481	457		0.32	465	426	39		496	[illegible]	[illegible]
71	24	1.90	182	11	1412	80	372	960	3.37	924	12	912	-36	20	457	447		0.30	456	414	42		489	[illegible]	390
47	25	1.91	185	38	1465	80	376	949	3.36	912	36	876	-37	61	460	391		[illegible]	448	406	42		433	[illegible]	391
38	26	1.94	194	56	1414	0	414	1000	3.37	922	139	785	-76	65	470	389		[illegible]	437	[illegible]	33		[illegible]	[illegible]	[illegible]
36	27	1.96	198	62	1478		398	1080	3.42	983	117	866	-97	68	456	459		[illegible]	431	377	[illegible]		[illegible]	[illegible]	[illegible]
59	28	1.99	210	51	1440	42	343	1055	3.41	970	96	874	-85	30	411	379		[illegible]	431	376	[illegible]		[illegible]	[illegible]	[illegible]
54	29	2.00	214	60	1554	45	349	1160	3.50	1090	71	1119	-70	130	423	537		[illegible]	[illegible]	405	38		[illegible]	[illegible]	[illegible]
86	30	1.96	201	15	1541	48	354	1139	3.52	1110	69	1041	-29	130	409	571		[illegible]	465	434	31		[illegible]	[illegible]	[illegible]
210	31	2.11	254	44	1614	22	314	1278	3.55	1160	117	1043	-118	130	409	621		[illegible]	456	413	43		[illegible]	[illegible]	[illegible]
218	SEP 1	2.10	256	32	1560	32	286	1242	3.60	1210	177	1035	-37	130	401	679		[illegible]	439	413	26		[illegible]	[illegible]	[illegible]
231	2	2.20	296	64	1606	72	325	1208	3.58	1170	113	1057	-38	145	390	635		[illegible]	431	402	29		[illegible]	[illegible]	[illegible]
33	3	2.47	486	23	1796	70	333	1393	3.57	1160	136	1024	-233	145	378	637		[illegible]	431	392	39		[illegible]	[illegible]	[illegible]
54	4	2.49	470	6	1900	32	278	1570	3.73	1400	121	1279	-170	145	389	586		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
51	5	2.42	422	29	1812	79	286	1447	3.73	1400	73	1327	-47	130	403	587		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
12	6	2.10	260	-62	1580	80	288	1212	3.68	1320	72	1248	108	80	394	846		[illegible]	427	380	47		[illegible]	[illegible]	[illegible]
96	7	2.03	224	28	1484	76	274	1136	3.59	1170	77	1093	38	80	389	701		[illegible]	427	398	29		[illegible]	[illegible]	[illegible]
67	8	2.03	224	-143	1484	48	294	1142	3.60	1180	82	1098	38	80	374	726		[illegible]	422	411	11		[illegible]	[illegible]	[illegible]
199	9	1.98	207	8	1467	48	299	1120	3.61	1200	-26	1226	80		485	715		[illegible]	418	375	43		[illegible]	[illegible]	[illegible]
77	10	1.99	210	33	1540		391	1149	3.60	1180		1180	31		485	695		[illegible]	418	361	57		[illegible]	[illegible]	[illegible]
85	11	1.95	198	-187	1398		392	1006	3.54	1100		1100	92		431	669		[illegible]	418	357	61		[illegible]	[illegible]	[illegible]
160	12	1.96	201	41	1341		373	968	3.41	936		936	-37		447	489		[illegible]	414	343	71		[illegible]	[illegible]	[illegible]
154	13	1.99	210	56	1350		409	941	3.38	901		901	-40		434	467		[illegible]	410	373	37		[illegible]	[illegible]	[illegible]
152	14	1.99	210	55	1350		380	970	3.42	936		936	-34		431	505		[illegible]	410	365	45		[illegible]	[illegible]	[illegible]
127	15	1.87	174	47	1314		380	934	3.44	958		938	24		434	524		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
119	16	1.80	156	36	1315		401	914	3.38	890		890	-24		384	506		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
107	17	1.80	156	48	1325		402	923	3.38	890		890	-33		384	506		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
100	18	1.80	156	55	1355		393	962	3.40	912		912	-50		374	537		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
112	19	1.68	123	11	1313		395	918	3.38	890		890	-28		378	512		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
137	20	1.96	201	64	1361		365	996	3.36	855		855	-143		353	502		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
183	21	2.00	214	31	1354		352	1002	3.44	936		936	66		360	576		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
131	22	1.95	198	67	1358		358	1000	3.43	938		938	12		343	615		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
49	23	1.95	198	49	1358		378	980	3.43	936		936	-44		343	593		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
42	24	1.94	194	52	1384		379	1005	3.44	947		947	-58		351	596		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
129	25	1.94	194	65	1394		369	1025	3.45	996		996	29		350	646		[illegible]	[illegible]	[illegible]	-16		630	1070	440
26	26	1.95	198	78	1368		376	[illegible]	3.44	987		987	43		368	579		[illegible]	[illegible]	[illegible]	-10		569	1100	531
117	27	1.89	180	63	1270		344	926	3.49	996		996	70		347	649		[illegible]	418	[illegible]	7		656	1130	474
179	28	2.02	220	41	1240		274	966	3.47	970		970	4		363	607		[illegible]	416	[illegible]	-12		595	1100	505
66	29	2.17	281	118	1331		269	1062	3.55	1070		1070	3		306	764		[illegible]	416	[illegible]	[illegible]		[illegible]	1200	[illegible]
169	30								3.63	1180		1180			275	905		[illegible]	[illegible]	[illegible]	21		884		
	OCT 1																								
169			[illegible]	3182	155962			147482		76555			1974			71183		[illegible]	[illegible]	8829			[illegible]	[illegible]	[illegible]

Time from Henrys Lake in hours	Gaging Station	Period used for comparable daily means
0	Henrys Lake Outlet near Lake	Day ending at 2 p.m.
40	Henrys Fork at Warm River	Day ending at 6 a.m. 2nd day following
50	Henrys Fork near Ashton	Day ending at 4 p.m. 2nd day following
	Fall River near Squirrel	*Day ending at 10 a.m. 2nd day following
	Fall River near Chester	Day ending at 5 p.m. 2nd day following
54	Henrys Fork at St. Anthony	Day ending at 8 p.m. 2nd day following
	Teton River near St. Anthony	Day ending at 6 p.m. 2nd day following
66	Henrys Fork near Rexburg	Day ending at 8 a.m. 3rd day following

This schedule is so arranged as to make the data correspond to the river records on Plates VIII, IX and X. The dates indicated on the tables are for the nearest midnight to midnight or calendar days.

Actual continuous measurement of the water wasting past the last diversion dams on Henrys Fork and Teton River is not considered practicable and for that reason the "Est. Bal. Below Diversions" columns are blank except for days when either personal inspection was made or other reliable information was secured. Waste and return flow from adjacent irrigated lands enter the lower portions of both streams and comprise the total discharge measured at the Rexburg station at times when all available water is diverted at the upper points.

Fall River water delivered to the Enterprise Irrigation District in exchange for Jackson Lake Storage which was purchased and released for the use of Snake River normal flow users is shown

*Approximate means used. No recording gage records available.

in these tabulations as storage but of course is not included in the later summary of deliveries from Henrys Lake Reservoir.

Plate XXIX contains a curve showing the way in which storage was drawn from Henrys Lake Reservoir together with actual total and computed normal flow hydrographs for Henrys Fork at the Lake, Warm River and Ashton gaging stations. These graphs are all plotted with time interval adjusted to coincide with the nearest calendar day at the Ashton station.

Presumably because of the water surface slope in the comparatively narrow outlet between Henrys Lake proper and the dam, gage readings at the latter point do not afford a really satisfactory index of reservoir capacity. As a result, almost continuous adjustments, especially at the lower reservoir stages, had to be made to avoid unreasonable inconsistencies in the normal flow past the Lake station. The installation of a suitable gage in the lake would entail the expenditure of a considerable sum of money while at the same time the cost of daily readings would be increased. Eventually, however, this will probably be required, especially in the event of disputes concerning the segregation of water passing the dam.

Special effort was made to have the Utah Power and Light Company maintain a constant head behind their Ashton Dam and thus avoid introducing unexpected fluctuations in river stage at points farther downstream. Comparison of the hydrographs for the three

TOTAL AND NORMAL FLOW AT THE LAKE, WARM RIVER AND ASHTON STATIONS ON HENRY'S FORK
1926 DISTRIBUTION WATER DISTRICT NO. 36

PLATE XXIX

May | June | July | August | September | October

STORAGE IN ACRE-FEET

60,000
40,000
20,000
0

HENRY'S LAKE RESERVOIR

DISCHARGE IN CUBIC FEET PER SECOND

2000
1600
1200
800
400

ASHTON
WARM RIVER
LAKE

stations still indicates some discrepancies which are probably attributable to this source but the records are much more consistent than those of 1924.

The Warm River normal flow graph indicates a tendency towards transmission lag which is possibly due to the area at the lower end of Henrys Lake Valley which is still flooded whenever large discharges are released from the reservoir.

HENRYS LAKE STORAGE DELIVERIES

Enlargement and straightening of the outlet channel through the bottoms below the dam together with the acquisition of additional right of way, during the past two years, made it possible to deliver storage during 1926 in larger heads than heretofore or practically as required to meet the demands.

The amount of stored water released from the reservoir each day was determined from the capacity tables by noting the quantity corresponding to the daily decrease in stage indicated by the lake gage readings. As previously noted, however, the latter had to be adjusted to take account of errors introduced by wind and by slope in the outlet channel above the dam to such an extent that in the final record the estimated normal flow past the dam may almost be considered the real governing factor. Except for the more extensive adjustments here required and the consequent increased dependence upon the normal flow estimate, this method is the same as that used at Jackson Lake Reservoir.

A transmission loss of 1.5 per cent was charged between Henrys Lake and Warm River and an additional 0.5 per cent

was deducted between the latter point and the Ashton station. These losses correspond with the recommendations submitted by Consulting Engineer R. I. Meeker on August 14, 1923 but are almost purely arbitrary in character since no data have as yet been secured to afford a basis for any scientific determination.

At the beginning of the release period the total storage available according to the reservoir capacity tables amounted to 60,786 acre-feet while at the end of the season 10,217 acre-feet remained as a carry-over for 1927.

Plate XXX contains the final summary account of all stored water released from Henrys Lake. Head-gate deliveries to the respective canals are shown for actual diversion dates.

Where a minus quantity is given on the "Unused Storage" line an excess storage delivery is indicated, or in other words, normal flow was actually delivered to the canals instead of storage. This line shows at a glance the irregularities of delivery, together with the compensating character of the individual day discrepancies. The algebraic total of unused storage for the entire period amounts to 1004 acre-feet, all of which is accounted for by the waste during the early season tests at Henrys Lake dam.

Storage delivered to the Marysville and Farmers Own Canals which divert from Fall River was handled upon the exchange or substitution basis previously described.

1926 DISTRIBUTION WATER DISTRICT NO. 36

HENRY'S LAKE STORAGE DELIVERIES - 1926.

	JUNE 15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
MARYSVILLE																
FARMERS OWN																
DEWEY																
LAST CHANCE																
FARM FRIEND																
SALEM UNION												171	75	160	76	82
TWIN GROVES																
EGIN																
INDEPENDENT															67	157
CONSOL FARM.												15	20	20	18	38
TOTAL DELIVERY	0	0	0	0	0	0						186	95	180	161	277
UNUSED STOR.	147	207	88	60	29	29						-57	-66	-32	-14	-11
AVAIL AT ASHTON	147	207	88	60	29	29						29	29	148	147	266

	JULY 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
MARYSVILLE	98	99	99	99	99	98	99	99	99	99												
FARMERS OWN							26	37	38	37	37	46	28	38	37	36	36	[illegible]	37	37	37	12
DEWEY	24	23	22	22	23	22	22	22	22	22	22	17	18	17	18	20	21	[illegible]	12	9	12	21
LAST CHANCE	30	30	30	30	30	30	30	30	30	30	30	28	30	28	31	35	39	[illegible]	30	40	38	38
FARM FRIEND			40	40	41	41	43	40	41	8	31	65	66	45	45	52	48	[illegible]	47	47	48	46
SALEM UNION															160	121	123	[illegible]	121	123	126	126
TWIN GROVES						79	103	81	81	78	78			94	79	123	117	[illegible]	120	120	119	95
EGIN																					25	92
INDEPENDENT	157	157	157	157	121	121	125	123	118	115	118	118	118	118	118	118	118	[illegible]	118	39	118	39
CONSOL FARM.	39	152	146	126	138	137	126	98	119					116	94	116	118	[illegible]	57	80	154	97
TOTAL DELIVERY	348	461	494	474	452	528	574	530	548	389	316	274	260	456	582	621	620	[illegible]	[illegible]	495	677	566
UNUSED STOR.	-23	69	66	53	68	-8	-54	-10	-28	123	81	38	-147	-314	-356	-140	-110	[illegible]	[illegible]	86	149	71
AVAIL AT ASHTON	325	530	560	527	520	520	520	520	520	512	397	312	113	142	226	481	510	[illegible]	[illegible]	581	826	637

	30	31	AUG 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MARYSVILLE	60	60	60	60	60	60	60	60									
FARMERS OWN																	
DEWEY	20	20	20	20	20	20	20	19	20	20	16						
LAST CHANCE	38	37	33	35	34	36	36	25	34	33	30						
FARM. FRIEND																	
SALEM UNION	121	123	123	123	124	127	124	123	123	124	126	124	123	126	128	123	80
TWIN GROVES	78																
EGIN	43	50	22		49	54											
INDEPENDENT	118	118	118	118	118	118	20	20	19	19	19	20	25	27	18	18	20
CONSOL FARM.	69	69	69	69	63	67	120	72	71	158	65	60	64	24	29	33	22
TOTAL DELIVERY	547	477	445	425	468	482	380	319	267	354	256	204	212	177	170	174	122
UNUSED STOR.	-44	26	0	14	-3	-43	59	120	162	-8	65	117	85	94	52	24	26
AVAIL AT ASHTON	503	503	445	439	465	439	439	439	429	346	321	321	297	271	222	198	148

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	SEPT 1	2	3	4	5
MARYSVILLE																					
FARMERS OWN																					
DEWEY													12	12	12	4		12	11	12	12
LAST CHANCE																					
FARM. FRIEND																					
SALEM UNION	80	60	60	80	80	80	80	80	80	80								41	40	40	40
TWIN GROVES																					
EGIN																					
INDEPENDENT	15	15	15	11	10	20	20	20	20	50	50	50	50	50	50	50	[illegible]	65	65	65	50
CONSOL FARM.	23	40	43	43	44	44	45			11	15	18	80	80	80	80	[illegible]	80	80	80	80
TOTAL DELIVERY	118	115	118	134	134	144	145	100	100	141	65	68	142	142	142	134	[illegible]	198	196	197	182
UNUSED STOR.	6	24	21	-18	-64	-98	-75	-30	-30	-71	27	48	-3	-25	-4	-18	[illegible]	38	13	-12	24
AVAIL AT ASHTON	124	139	139	116	70	46	70	70	70	70	92	116	139	117	138	116	[illegible]	236	209	185	206

HENRYS LAKE EQUIVALENT

	JUNE 15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
TOTAL DELIVERY	0	0	0	0	0	0						190	97	184	164	283
UNUSED STOR.	150	211	90	61	30	30						-60	-67	-33	-14	-11

	JULY 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
TOTAL DELIVERY	355	471	504	484	461	539	586	541	559	397	322	280	265	465	594	634	633	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
UNUSED STOR.	-23	70	67	54	69	-8	-55	-10	-29	125	83	39	-150	-320	-363	-143	-112	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

	30	31	AUG 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
TOTAL DELIVERY	558	487	454	434	478	492	388	326	273	361	261	208	214	[illegible]	173	176	125
UNUSED STOR.	-45	27	0	14	-3	-44	60	122	165	-8	66	119	87	96	53	24	27

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	SEPT 1	2	3	4	5
TOTAL DELIVERY	120	117	120	137	137	147	148	102	102	144	66	69	145	145	145	137	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
UNUSED STOR.	6	24	21	-18	-65	-100	-77	-31	-31	-72	28	49	-3	-26	-4	-18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL DRAFT FROM RESERVOIR JUN 13 - SEPT 10 .... 50,[illegible] ACRE F

NOTE:
STORAGE RELEASED AT RESERVOIR JUN 13-18
INCIDENTAL TO TESTS AT DAM.

STRICT NO. 36

HENRYS LAKE STORAGE DELIVERIES - 1926.

	19	20	21	22	23	24	25	26	27	28	29	30	JULY 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	TOTAL SEC FT	TOTAL ACRE FT
													98	99	99	99	99	98	99	99	99	99																		44		
																			26	37	38	37	37	46	38	38	37	36	36	38	37	37	37	12										
													24	23	22	22	23	22	22	22	22	22	22	17	18	17	18	20	21	21	12	9	12	21	24	24	24	2	18	21	20		
													30	30	30	30	30	30	30	30	30	30	30	30	28	30	28	31	36	39	38	40	40	38	38	36	34	34	33	33	40	40		
															40	40	41	41	43	40	41	5	31	65	56	45	45	52	48	46	47	47	48	46	50	49	48							
								171	75	160	76	82															160	121	123	121	121	123	124	126	123	124	123	123	121	121	119		
																		79	103	81	81	78	78			94	79	128	117	119	120	120	119	95	79	78	78	82	78	78	78		
																																25	92	74	45	45	50	52	60	41		
											67	157	157	157	157	157	157	121	121	125	123	118	118	118	118	118	118	118	118	118	118	39	118	39	118	118	118	118	118	118	118		
								15	20	20	18	38	39	152	146	126	138	137	126	98	119					116	94	116	118	118	157	80	154	97	95	93	95	96	150	120	71		
	0	0						186	95	180	161	277	348	461	494	474	452	528	574	530	548	389	316	274	260	456	542	621	620	619	652	495	675	566	599	565	565	504	570	548	531		
	29	29						-57	-66	-32	-14	-11	-23	69	66	-53	68	-8	-54	-10	-28	123	81	38	-147	-314	-356	-140	-110	-89	-15	86	-149	71	26	57	57	118	45	7	-55		
	29	29						29	29	148	147	266	325	530	560	527	520	520	620	520	520	512	397	312	113	142	226	481	510	510	637	581	526	637	624	622	622	622	615	555	476		

	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	SEPT 1	2	3	4	5	6	7	8	9	10	11	12		
	60	60	60	60																																					1512	2999
	20	20	20	19	20	20	16																			12	12	12	4												567	1125
	34	36	36	25	34	33	30																																		915	1815
	124	127	124	123	123	124	126	124	123	126	123	123	80	80	60	60	80	80	80	80	80	80	80								41	40	40	40	40	40	36	36				1336	2650
	49	54																																								1014	2011
	118	118	20	20	19	19	19	20	25	27	18	18	20	15	15	15	11	10	20	20	20	20	50	50	50	50	50	50	50	50	65	65	65	50							5570	11048
	63	67	120	72	71	158	65	60	64	24	29	33	22	23	40	43	43	44	44	45			11	15	18	80	80	80	80	80	80	80	80	80	80	80						2115	4195
	468	482	380	319	267	354	256	204	212	177	170	174	122	118	115	118	134	134	144	145	100	100	141	65	68	142	142	142	134	130	198	196	197	182	132	132	128	48	0	0	0	692	1372
	-3	-43	59	120	162	-8	65	117	85	94	52	24	26	6	24	21	-18	-64	-98	-75	-30	-30	-71	27	48	-3	-25	-4	-18	-13	-59	13	-12	24	41	20	24	104	130	22	0	5386	10683
	465	439	439	439	429	346	321	321	297	271	222	198	148	124	139	139	116	70	46	70	70	70	70	92	116	139	117	138	116	117	139	209	185	206	173	152	152	152	130	22	0	5372	10655
																																										24479	48553
																																										506	1004
																																										24986	49557

HENRYS LAKE EQUIVALENT

	19	20	21	22	23	24	25	26	27	28	29	30	JULY 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		
	0	0						190	97	184	164	283	355	471	504	484	461	539	586	541	559	397	322	280	265	465	553	634	633	632	665	505	689	578	611	577	577	514	582	559	547		
	30	30						140	67	33	14	11	23	70	67	54	69	8	55	10	29	125	83	39	150	320	363	143	112	60	15	88	152	72	25	58	58	120	46	7	56		

	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	SEPT 1	2	3	4	5	6	7	8	9	10	11	12		
	478	492	388	326	273	361	261	208	214	179	173	176	25	120	117	120	137	137	147	48	102	102	144	66	69	145	145	145	137	133	202	200	201	186	35	135	131	49	0	0	0	24979	49545
	3	44	60	122	165	8	66	119	87	96	53	24	27	6	24	21	18	65	100	77	31	81	72	28	49	3	26	4	18	13	60	13	12	24	42	20	24	106	133	22	0	5516	10924
																																										25495	50569

TOTAL DRAFT FROM RESERVOIR JUN 13 - SEPT 10 .... 50,569 ACRE FEET

VOIR JUN 13-18
DAM.

1926 DISTRIBUTION WATER DISTRICT NO. 36.

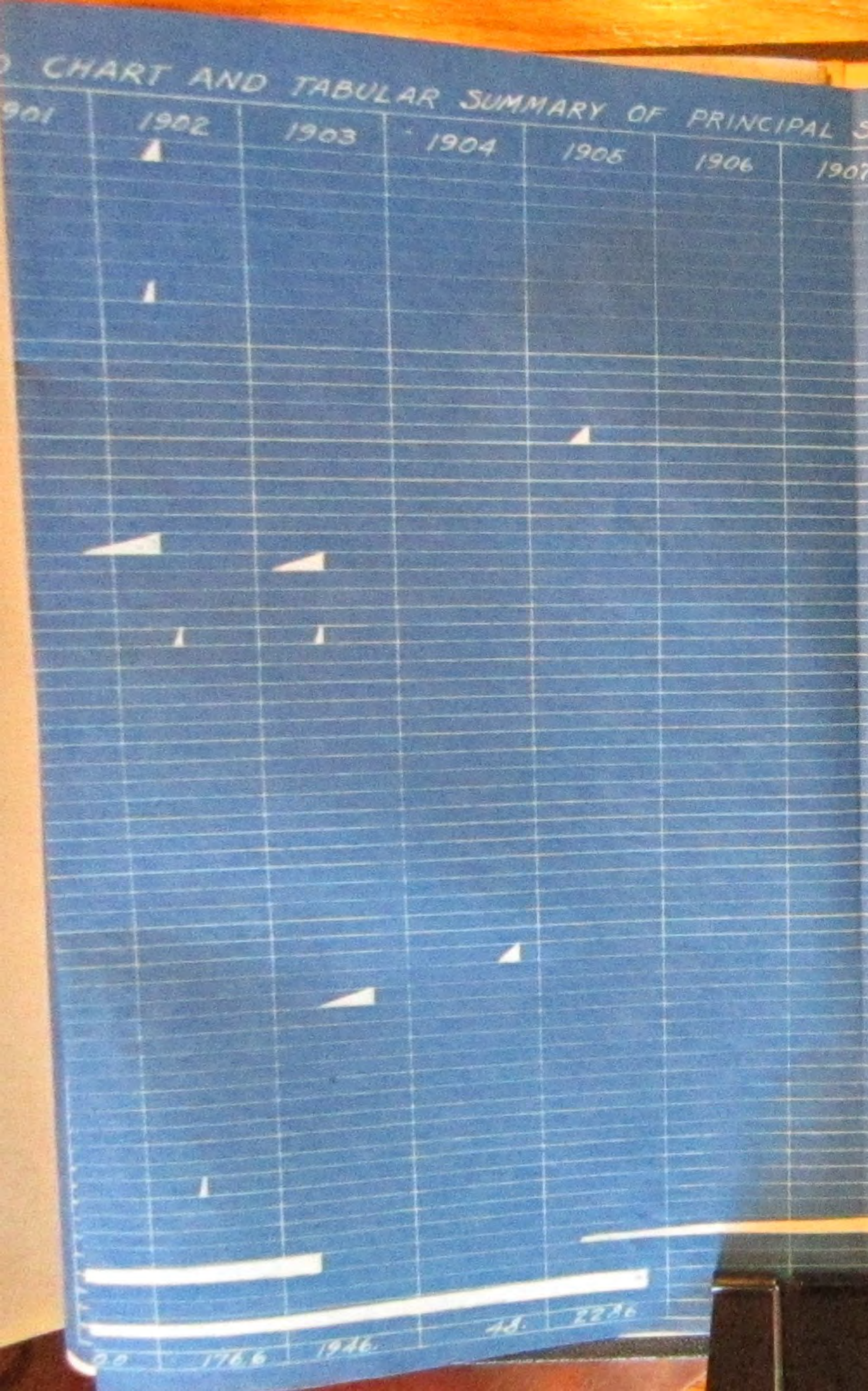
PARTY OR CANAL	TOTAL S.F.	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889
RILEY	24.										
ANDERSON & ER WILLOW CR	800										
FARMERS FRIEND	342.83										
ENTERPRISE	188										
NELSON	4.75										
MATTSON - CRAIG	20.16										
ARNSBERGER	6.										
HEISE	5.6										
BUTLER ISLAND	54.16										
ROSS & RAND	3.34										
STEELE	7.42										
HARRISON	45.94										
CHENEY	6.										
BOOMER & IDAHO	1000.										
RUDY	191.26										
KITE & NORD	8.8										
BURGESS	400.61										
CLARK & EDWARDS	70.										
LOWDER & JENNINGS	32.										
EAST LABELLE	140.										
CONSOLIDATED FEEDER	184.										
LENKROOT	220.										
REID	150.										
TEXAS FEEDER	280.										
NELSON - COREY	16.8										
HILL - PETTINGER	13.										
LONG ISLAND	452.41										
ISLAND	289.40										
RIGBY	160.										
DILTS	28.										
WEST LABELLE	109.90										
PARKS & LEWISVILLE	351.12										
NORTH RIGBY	30.										
WHITE	6.40										
BRAMWELL	1320										
ELLIS	4.8										
INDEPENDENT	29.2										
BUTTE & MARKET LAKE	368.7										
OSGOOD	128.55										
KENNEDY	22.49										
PORTER GR. WESTERN & MARTIN	57.78										
BEAR ISLAND	3.5										
TAYLOR & GOSHEN	16.										
CITY OF IDAHO FALLS	148										
WOODVILLE	125.5										
SNAKE RIVER VALLEY	710.										
RESERVATION	600.										
BLACKFOOT	366.8										
NEW LAVA SIDE	152.										
PEOPLES	424.2										
ABERDEEN SPRINGFIELD	1280										
CORBETT SLOUGH	239.43										
NIELSEN HANSEN	15										
RIVERSIDE	100.										
BANSKIN	120.										
TREGO	69.41										
WEAKLY CRICK	4.12										
WATSON SLOUGH	97.4										
PARSONS	22.										
SMITH & MAXWELL	17.3										
USRS MINIDOKA CANALS	2726.										
SCHODDE	2										
TWIN FALLS SOUTH SIDE	9000										
TWIN FALLS NORTH SIDE	3000										
MILNER LOW LIFT CANCO.											
ANNUAL TOTALS IN SEC FT	21001.86	139.21	40.00	64.00	160.00	433.0	680.40	452.20	264.80	179.274	204.00

1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901

REVISED CHAR

175.00 99.5 SCALE 103.5 1.0 66.0 76.0 573.71

CHART AND TABULAR SUMMARY OF PRINCIPAL SOUTH FORK AND SNAKE RIVER WATER RIGHTS.



STORAGE
1900 A&J
14000 A
2000 J
15900 A&J
16200 A&J
25200 A
2000 J
12120 A&J
1040 J
4000 J
7200 A&J
2800 A
980 A
2800 A
14000 A
385 J
33864 A&J
280 A
8400 A
43000 A&J
14000 A
29000 A&J
79149 A&J
3600 A
1400 A
269000 J
238290 A&J
585364 A&J
28000 A
450. 1457434

DATE	DECREE	PARTY OR CANAL	TOTAL	OLDER
1908 AUG 6	1000	USRS "FOSTER"	2726	1726
JUN 16	350	TFNSL&W Co "FOSTER"	3000	2650
1905 JUN 7	2250	DO	3000	400
1905 JUN 1	36	RUDY	191.26	155.26
1904 OCT 22	48	CITY OF IDAHO FALLS	188.	140.
1903 SEP 1	110	SNAKE RIVER VALLEY	710.	600.
1903 JUN. 1	100	LENROOT	220.	120.
" " 1	10	HILL-PETTINGER	13.	3
		Carlson-Fogerstrom		
" MAR 26	1726	USRS "FOSTER"	2726	0
1902 JUN 1	3	HILL-PETTINGER	13	0
		Rolle		
" " 1	24	RILEY	24	0
" " 1	4	TREGO	6941	6541
		Reese-Kirby		
" MAY 1	5.6	HEISE	5.6	0
" APR 14	140	CONSOL. FEEDER	184	44
1900 OCT 11	400	TFNSL&W Co "FOSTER"	3000	0
" " "	3000	TFSS CANAL Co "FOSTER"	3000	0
" JUN 16	46	TAYLOR & GOSHEN	46	0
" " 16	100	OSGOOD	128.55	28.55
		Taylor & Goshen		
" " 16	40	WOODVILLE	125.5	85.5
		Taylor & Goshen		
" " 1	14	RUDY	191.26	141.26
" APR 30	47.5	NELSON	47.5	0
		BC&CG Mattson		
" " 30	1296	MATTSON-CRAIG	2016	72
		BC&CG Mattson		
" " 20	140	CITY OF IDAHO FALLS	188	0
1899 JUN 1	76	LENROOT	220	44
1898 APR 15	68	ENTERPRISE	188	120
1896 JUL 9	400	SNAKE RIVER VALLEY	710	200
" JUN 1	3.5	BEAR ISLAND (Weir)	3.5	0
1895 JUN 1	12	TEXAS FEEDER	280	268
" 1	160	BURGESS	800.61	640.61
" APR 1	2	SCHODDE	2	0
		Supplemental		
" MAR 22	120	ENTERPRISE	188	0
" FEB 6	1250	ABERDEEN-SPRING.	1250	0
		American Falls Co		
" JAN 9	160	HARRISON	451.94	291.94
1894 AUG 18	400	PEOPLES	424.2	24.2
" JUN 1	28	DILTS	28	0
		Dilts & Labelle Co		
" " 1	14	TEXAS FEEDER	280	254
		Texas Slough Co		
1893 JUN 1	14	TEXAS FEEDER	280	240
" APR 30	85.5	WOODVILLE	125.5	0

DATE	DECREE	
1892 JUN 1	6.	
" " 1	14.	
" " 1	26	
" MAY 1	130.	
1891 DEC 14	600.	
" JUN 1	4.8	
" " 1	6.	
" " 1	15	
" " 1	195.	
" " 1	14	
" JAN 24	400.	
1890 NOV 24	72.	
" OCT 16	17.	
" " 16	349.4	
" " 16	10.6	
" JUL 12	240	
" JUN 10	240	
" " 1	8.8	
" " 1	0.8	
" " 1	65.41	
" " 1	4.59	
" " 1	26	
" FEB 21	17.8	
1889 JUL 10	366.8	
" " 10	6.00	
" " 10	20.72	
" " 10	648	
" JUNE 6		
" JUN 1	0.66	

DATE	DECREE	PARTY OR CANAL	TOTAL	OLDER
1892 JUNE	5.	LENROOT	220	39
		6-1-03 Amended		
" "	14.	TEXAS FEEDER	280	226
		Texas Slough Co		
" "	26	LOWDER & JENNINGS	52	26
" MAY	130.	CORBETT SLOUGH	239.43	109.43
1891 DEC	4 600.	RESERVATION	600	0
		Idaho Canal & Imp Co		
" JUNE	4.8	NELSON-GOREY	16.8	12
		P.O. Carlsen		
" "	6.	ARNSBERGER	6	0
		Supplemental		
" "	15	LENROOT	220	24
		6-1-03 & 99 Amend.		
" "	135.	ISLAND	289.40	94.40
		108 Supplemental		
" "	14.	TEXAS FEEDER	280	212
		Texas Slough Co		
" JAN 24	400.	GR. WEST. & PORTER	571.78	171.78
		New Sweden Dist		
1890 NOV 24	72.	NEW LAVA SIDE	152	80
" OCT 16	17.	BUTTE & MARKET LAKE	368.7	351.7
		Lavina Cutshaw		
" "	16 349.4	BUTTE & MARKET LAKE	368.7	2.30
" "	16 10.6	OSGOOD	128.55	17.95
		Butte & M. Lake		
" JUL 12	240	HARRISON	451.94	51.94
" JUN 10	240	BURGESS	800.61	400.61
" "	1 8.8	KITE & NORD	8.8	0
		Hatfield-Nord-Parsons		
" "	1 0.8	STEELE	7.42	6.62
		Hatfield		
" "	1 65.41	TREGO	69.41	0
" "	1 4.59	KENNEDY & BURGRAFF	22.49	17.90
		Trego		
" "	1 26	LOWDER & JENNINGS	52	0
		6-1-00 Error		
" FEB 21	17.8	SMITH-MAXWELL	17.8	0
		Smith-Jarvis-Brosman		
		BLACKFOOT	366.8	0
1889 JUL 10	366.8		128.55	11.95
" "	10 6.00	OSGOOD		
		Blackfoot		
" "	10 20.72	GR. WEST. & PORTER	571.78	151.06
		Blackfoot		
" "	10 6.48	KENNEDY & BURGRAFF	22.49	11.42
		Blackfoot		
" "	10	CHENEY	6	0
" JUNE	6.	GR. WEST. & PORTER	571.78	150.40
" JUN 1	0.66	Long Island		

DATE	DECREE	PARTY OR CANAL	TOTAL	OLDER
1889 JUN 1	8	FARMERS FRIEND	342.83	334.83
		Long Island		
" " 1	6.	LENROOT	220	18
" " 1	30	RUDY	191.26	111.26
" " 1	80.	REID	150	70.
" " 1	44.	CONSOLIDATED FEEDER	184	0.
		Sunnydell-Lyman		
" " 1	38.	TEXAS FEEDER	280	174
		Liberty Park Co		
" " 1	9.69	LONG ISLAND	452.41	442.72
" " 1	19.76	ISLAND	289.40	74.64
		Long Island		
" " 1	1.63	HARRISON (Long Is.)	451.94	50.31
" " 1	0.26	KENNEDY & BURGRAFF	22.49	11.16
		Long Island		
" MAY 11	700.	IDAHO	740	40
" " 1	109.43	CORBETT SLOUGH	239.43	0
" " 1	5.75	OSGOOD (Corbett)	127.72	6.20
" " 1	2.	GR. WEST & PORTER	571.78	148.40
		Corbett (Williams)		
" " 1	2.82	KENNEDY & BURGRAFF	22.49	8.34
		Corbett Slough		
" APR 15	300.	ANDERSON & E.R. & W.C.	800	500
		Farmers Progress		
" " 6	2.00	SNAKE RIVER VALLEY	710	0
		Cedar Point		
" MAR 1	60.	NEW LAVA SIDE	152	20
" JAN 12	5.	KENNEDY & BURGRAFF	22.49	3.34
		W.S. Lyle Amendment		
1888 AUG 13	100.	RUDY	191.26	11.26
" " 13	40.	IDAHO	740	0
" " 13	260.	BOOMER	260	0
		Idaho Canal & Imp Co		
" JUL 15	30.2	WATSON SLOUGH	97.4	67.2
" " 15	16.6	PEOPLES	424.2	7.6
		Watson Slough		
" " 15	3.2	WEARYRICK	41.2	38
		Watson Slough		
" JUN 16	120.	RIGBY	160	40
" " 10	380	BURGESS	800.61	20.61
" " 1	0.61	BURGESS	800.61	20.
		Long Island		
" " 1	80.	DANSKIN	180	100
" " 1	92.	EAST LABELLE	140	48
" " 1	38.	TEXAS FEEDER	280	136
		Liberty Park Co		
" " 1	211.12	PARKS & LEWISVILLE	351.12	140
" " 1	28.88	HARRISON	451.94	21.43
		& Lewisville		

DATE	DECREE	PARTY OR CANAL	TOTAL	OLDER
1888 JUN 1	2.	RUDY	191.26	9.26
		C.E. Rostatu		
" " 1	3.34	ROSS & RAND	3.34	0
		Supplemental		
" " 1	2.	STEELE	7.42	4.62
		Supplemental Protest		
" " 1	5.88	LONG ISLAND	452.41	436.84
" " 1	29.64	ISLAND	289.40	45.
		Long Island		
" " 1	1.54	GR. WEST. & PORTER	571.78	146.86
		Long Island		
" " 1	1.95	HARRISON	451.94	19.48
		Long Island		
" " 1	0.38	KENNEDY & BURGRAFF	22.49	7.96
		Long Island		
" " 1	20.	FARMERS FRIEND	342.83	314.83
		Long Island		
" " 1	0.8	GR. WEST & PORTER	571.78	146.06
		John Mattson		
" " 1	24	MATTSON-CRAIG	20.16	4.8
		Supplement. Ronds		
" " 1	13.2	BRAMWELL	13.2	0
		Supplemental		
" " 1	4.8	ELLIS	4.8	0
		Supplemental		
" MAY 13	3.2	WATSON SLOUGH	97.4	64.
		H.M. Palmer		
" " 1	1.0	GR. WEST. & PORTER	571.78	145.06
		J.B. Morgate		
" JAN 18	300.	FARMERS FRIEND	342.83	44.83
1887 JUN 15	20.	RIGBY	160	20
" " 10	10.	BURGESS	800.61	10.
" " 1	90.	RIVERSIDE	100	10
" " 1	33.	TEXAS FEEDER	280	98
		Liberty Park Co		
" " 1	12.	NELSON-COREY	16.8	0
" " 1	4.8	MATTSON-CRAIG	20.16	0
		R.A. Craig		
" " 1	30.	ISLAND	289.40	15
" " 1	44.48	LONG ISLAND	452.41	392.38
" " 1	1.53	GR. WEST. & PORTER	571.78	143.53
		Long Island		
" " 1	1.60	HARRISON	451.94	17.88
		Long Island		
" " 1	0.39	KENNEDY & BURGRAFF	22.81	2.57
		Long Island		
" " 1	12.	FARMERS FRIEND	342.83	2.83
		Long Island		
1886 JUL 23	100.	DANSKIN	180	0

DATE	DECREE	PAR
1886 JUN	15 10.	FIS
" "	10 10.	BUR
" "	1 1.6	WA
" "	1 15.	ISL
" "	1 30.	TEX
		Tex
" "	1 0.8	GR. W
		Jo
" "	1 4.8	GR. W
		C
" "	1 2.	RU
		C
" "	1 40.	RE
" "	1 38.98	LON
" "	1 0.64	HA
		L
" "	1 0.38	KEN
		L
" MAY	3 38.	WE
" "	1 2.	GR. W
		J
" JAN.	7 120.	GR. W
		N
1885 JUN	30 27.	PA
" "	15 10.	RI
" "	10 12.4	HA
		S
" "	10 1.	STE
		ST
" "	1 10.	RI
" "	1 48.	TEX
		Tex
" "	1 100.	PAR
" "	1 48.	EAS
" "	1 9.	LEN
" "	1 30.	RE
" "	1 109.90	WES
" "	1 6.40	W.H
		Wes
" "	1 3.70	OSG
		Wes
" "	1 54.16	BUT
" "	1 3.62	STE
		B
" "	1 7.26	RU
		B
" "	1 28.3	FAR
		B

PLATE NO XXXV

TOTAL	OLDER	DATE		DECREE	PARTY OR CANAL	TOTAL	OLDER
19126	9.26	1886	JUN	10	RIGBY	160	10.
334	0	"	"	10	10. BURGESS	800.61	0
		"	"	1	1.6 WATSON Ehrhardt		
742	462	"	"	1	15 ISLAND	Slough 97.4	62.4
		"	"	1	30 TEXAS FEEDER	289.40	0
45241	43684				Texas SL & Lib Pk		
289.40	45	"	"	1	0.8 GR. WEST & PORTER	571.78	142.73
					John Mattson		
R 571.78	146.86	"	"	1	4.8 GR. WEST & PORTER	571.78	137.93
					Oscar Marlett		
45194	19.48	"	"	1	2. RUDY	191.26	7.26
					Realtor		
T 2249	2.96	"	"	1	40 REID	150.	30
		"	"	1	58.98 LONG ISLAND	45241	338.38
D 342.83	314.83	"	"	1	0.64 HARRISON	45194	17.24
					Long Island		
R 571.78	146.06	"	"	1	0.38 KENNEDY & BURGRAFF	2249	2.19
					Long Island		
S 20.16	4.8	"	MAY	3	38. WEARY RICK	41.2	0
%		"	"	1	2. GR. WEST & PORTER	571.78	135.93
13.2	0				J B Morgan		
		"	JAN	7	120. GR. WEST & PORTER	571.78	15.93
4.8	0				New Sweden Dis.		
		1885	JUN	30	22. PARSONS	22.	0
H 97.4	64.	"	"	15	10. RIGBY	160	0
		"	"	10	12.4 HARRISON	45194	48.4
R 571.78	146.06				ST & W Summers		
		"	"	10	1. STEELE	742	3.62
D 342.83	14.83				ST & W Summers		
160.	20.	"	"	1	10. RIVERSIDE	100	0
800.61	10.	"	"	1	48 TEXAS FEEDER	280	0
100	10.				Texas SL & Lib Pac.		
280	98	"	"	1	100. PARKS & LEWISVILLE	351.12	40
		"	"	1	18 EAST LABELLE	140	0
		"	"	1	9. LENROOT	220	9
V 16.8	0	"	"	1	30 REID	150	0
20.16	0	"	"	1	109.90 WEST LABELLE	109.90	0
		"	"	1	6.40 WHITE	640	0
289.40	15	"	"	1	West La Belle		
45241	39236	"	"	1	3.70 OSGOOD	128.55	2.50
R 571.78	149.53				West La Belle (Hays)		
		"	"	1	54.16 BUTLER ISLAND	54.16	0
45194	17.88	"	"	1	3.62 STEELE	742	0
		"	"	1	Butler Island		
V 2481	2.57					191.26	0
		"	"	1	7.26 RUDY		
D 342.83	2.83				Butler Island		
		"	"	1	2.83 FARMERS FRIEND	342.83	0
180.	0				Butler Island		

DATE		DECREE	PARTY OR CANAL	TOTAL	OLDER
1885	JUN	1	093 GR. WEST & PORTER	571.78	15
			Butler Island		
"	"	1	1.20 HARRISON (But Isl)	45194	3.64
"	"	1	58.97 LONG ISLAND	45241	27.41
"	"	1	0.64 HARRISON (Long Isl)	45194	3.00
"	"	1	0.39 KENNEDY & BURGRAFF	2249	1.80
			Long Island		
"	MAR	6	62.4 WATSON SLOUGH	97.4	0
"	"	6	7.6 PEOPLES (Watson Sl.)	424.2	0
"	FEB	27	70 CLARK & EDWARDS	70	0
1884	JUN	4	29.2 INDEPENDENT	29.2	0
"	"	"	2.30 BUTTLE & M. LAKE	36.87	0
			Independent		
"	"	"	2.50 OSGOOD (Independ.)	128.55	0
"	"	1	20. NEW LAYASIDE	1.52	0
"	"	1	20. PARKS & LEWISVILLE	351.12	20
"	"	1	9. LENROOT	220	0
"	"	1	58.98 LONG ISLAND	45241	215.43
"	"	1	0.64 HARRISON (Long Isl)	45194	2.36
"	"	1	0.38 KENNEDY & BURGRAFF	2249	1.42
"	APR	3	340. ANDERSON & ER's W.C	800.	160
1883	JUN	10	50. NORTH RIGBY	50	0
"	"	1	20. PARKS & LEWISVILLE	351.12	0
"	"	1	15. NIELSEN-HANSEN	15	0
"	"	1	15. GR. WEST & PORTER	571.78	0
			Nielsen-Hansen		
"	"	1	58.97 LONG ISLAND	45241	156.46
"	"	1	0.64 HARRISON (Long Isl)	45194	1.72
"	"	1	0.39 KENNEDY & BURGRAFF	2249	1.03
1882	"	1	58.98 LONG ISLAND	45241	97.48
"	"	1	0.64 HARRISON (Long Isl)	45194	1.08
"	"	1	0.38 KENNEDY & BURGRAFF	2249	0.65
1881	JUN	1	58.96 LONG ISLAND	45241	38.52
"	"	1	0.65 HARRISON (Long Isl)	45194	0.43
"	"	1	0.39 KENNEDY & BURGRAFF	2249	0.26
			Long Island		
1880	AUG	1	160. ANDERSON & ER's W.C	800	0
			Farmers Progress		
"	JUN	11	38.52 LONG ISLAND	45241	0
"	"	11	0.43 HARRISON (Long Isl)	45194	0
"	"	11	0.26 KENNEDY & BURGRAFF	2249	0

NOTES - ALL DECREES ARE LISTED IN SECOND FT
STORAGE IS LISTED IN ACRE FEET.
OSGOOD HAS STORAGE IN TWIN LAKES.
USRS HAS ADDITIONAL STORAGE IN LAKE WALCOTT.
LICENSE AND PERMIT RIGHTS NOT SHOWN.
"A & J" - SEE TEXT FOR EXPLANATION.

These two, the Farmers Friend and the Twin Groves Canals own no permanent rights in Henrys Lake Reservoir but purchased water for the 1926 season only. This reservoir is owned and controlled by the North Fork Reservoir Company whose stock is held by seven different canal companies. These latter, therefore, participate in the benefits received (whether money from sales or water impounded) each season in proportion to their stock holdings which in per cent are as follows: Dewey and Last Chance (combined), 15.3; St. Anthony Union, 6.8; Salem Union, 24.2; Pegin, 6.8; Independent, 26.8; and Consolidated Farmers, 20.1. While these percentages define the individual rights, actual diversions upon a disproportionate basis may be sanctioned by mutual agreement of the stockholders, hence no attempt has been made to compare these two items.

During 1926 no storage was required by the St. Anthony Union system.

Plate XXXI presents hydrographs for the two gaging stations on Fall River and a graph of indicated net gains or losses above the lower or Chester station. These are plotted to coincide with the dates at Squirrel.

As might be expected, the average net gain noted is slightly greater than that for 1924 but is less than is generally recorded in normal water supply years.

Pronounced irregularities which appear in these curves are presumably chiefly due to the inaccurate daily mean discharges computed for the upper station which is not equipped with a recording gage.

RELATION BETWEEN THE SQUIRREL AND CHESTER GAGING STATIONS ON FALL RIVER
1926 DISTRIBUTION WATER DISTRICT NO. 36

PLATE XXXI.

DISCHARGE IN CUBIC FEET PER SECOND

SQUIRREL TO CHESTER

GAIN

LOSS

SQUIRREL

CHESTER

The hydrograph for the Roxburg station and graphs showing gains and losses above and below St. Anthony are included on Plate XXXII. These are all plotted to agree with the Roxburg dates.

Comparison with similar plates contained in reports for previous years reveals no marked peculiarities which are not readily explainable by climatic or seasonal differences to which attention has already several times been directed.

DISTRIBUTION IN SWAN VALLEY

Mr. Wm. Burton was appointed as deputy water master for the Swan Valley section but his salary and other expenses incident to the work were paid directly by the local water users, in accordance with the custom followed during preceding years. Copies of all instructions regarding cuts and reinstatements were forwarded to him by mail and he was directed to regulate all diversions in accordance with these orders. Aside from the slight delay resulting from the method of communication regulation in this section was therefore consistent with that in other portions of the district.

A number of complaints and counter complaints were received during the season concerning the control or lack of control over the flow of Granite Creek, a tributary of Snake River near the lower end of Conant Valley. Based upon 1917 and 1918 measurements this stream has a total flow during most of the summer of less than one second-foot but it appears to be particularly valuable as a source of domestic supply for adjacent dry farmers. An attempt was made to

NET LOSSES AND GAINS BETWEEN THE ASHTON AND ST. ANTHONY GAGING STATIONS ON HENRYS FORK
1926 DISTRIBUTION WATER DISTRICT NO. 36.

PLATE XXXII.

May | June | July | August | September | October

ASHTON TO ST. ANTHONY

ST. ANTHONY TO REXBURG

REXBURG

DISCHARGE IN CUBIC FEET PER SECOND

GAIN / LOSS

settle questions involving irrigation use of this water (chiefly for small garden patches) through office conferences, correspondence and by sending Mr. Burton into the locality, but no jurisdiction was assumed over the quality of the water. This latter question was raised by some of the objectors who accused their upstream neighbors of purposely contaminating the supply and rendering it unfit for household use. While the whole situation resembled somewhat the proverbial "tempest in a teapot" only patience, persuasion and finances prevented the appointment of an extra deputy water master to take charge of this stream.

No other unusual difficulties were reported from this section.

DISTRIBUTION ON SAND CREEK, FREMONT COUNTY

Water distribution on Sand Creek in Fremont County in 1926 was handled strictly as a local problem. No request for the appointment of a deputy water master was made and since this stream is really not a surface tributary to Henrys Fork during the ordinary regulation period, it was entirely neglected as a part of District No. 36 work.

CLIMATOLOGICAL DATA

Study of the U. S. Weather Bureau monthly and annual climatological summaries covering the twelve months ending September 30, 1926 affords much information of interest and serves to explain certain phases of the year's water supply which might otherwise be difficult to understand.

The following notes from the Idaho and Wyoming section reports describe the principal monthly peculiarities:

October	1925	Both precipitation and temperature below normal.
November	1925	Nearly an average month in Snake River drainage area.
December	1925	Above normal temperatures but subnormal precipitation.
January	1926	Material deficiency in precipitation noted.
February	1926	Unusually warm. Precipitation about normal.
March	1926	The warmest March since 1915 and without exception the driest of record in Idaho. Wyoming conditions quite similar.
April	1926	With one exception the warmest April of record in Idaho. Precipitation below normal.
May	1926	Mean temperature slightly above normal. Material deficiency in precipitation.
June	1926	Another warm month with pronounced shortage in rainfall.
July	1926	Temperatures slightly above normal with nearly average precipitation.
August	1926	In Idaho the tenth consecutive month with mean temperature above normal. Precipitation somewhat spotted but generally above normal.
September	1926	The coldest September of record in Idaho with very hard frosts noted on the 24th and 25th. Precipitation a little above normal with heavy rains quite general on the last day of the month.

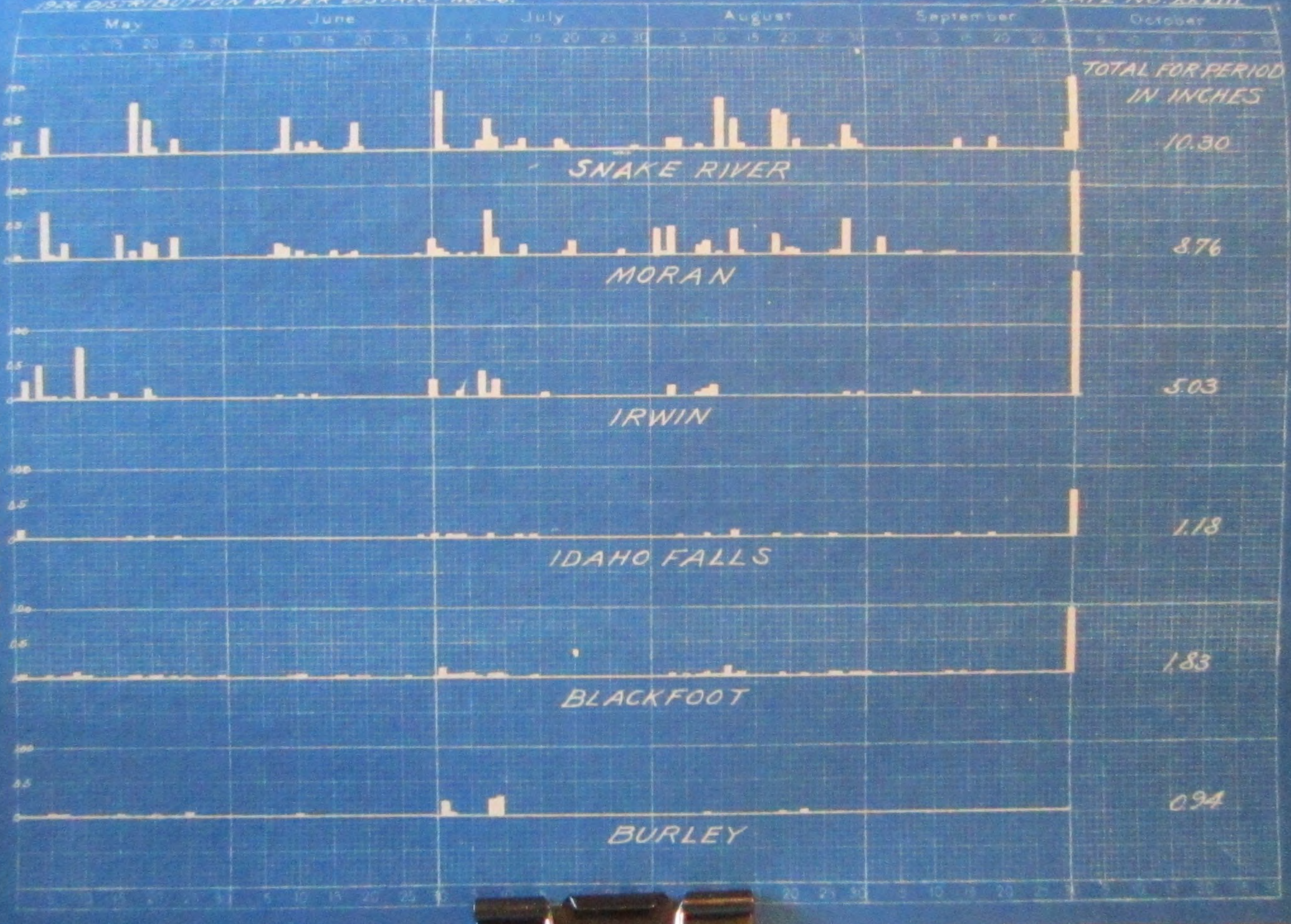
Because of the above normal temperatures indicated throughout the spring and early summer crops matured much earlier than usual and this fact helped materially to minimize the losses attributable to water shortage.

The amount and distribution of precipitation at the principal observation points throughout District No. 36 territory is shown graphically for the irrigation season on Plates XXXIII and XXXIV.

1926 DAILY PRECIPITATION DIAGRAM - SNAKE RIVER AREA

1926 DISTRIBUTION WATER DISTRICT NO. 36.

PLATE NO. XXXIII.



1926 DAILY PRECIPITATION DIAGRAM - SNAKE RIVER AREA

1926 DISTRIBUTION WATER DISTRICT NO. 36.

PLATE NO. XXXIV

May | June | July | August | September | October

PRECIPITATION IN INCHES

RIVERSIDE — TOTAL FOR PERIOD IN INCHES 7.60

ASHTON — 3.40

ABERDEEN — 2.18

POCATELLO — 5.36

TWIN FALLS — 1.02

JEROME — 0.93

The record at the Riverside station near the west entrance to Yellowstone National Park is not altogether consistent with those for the other stations but has been included because of its proximity to Henrys Lake.

Month	Total Number of Stations	Number Above Normal	Number Below Normal	Monthly Aver. Precip. in inches for all years of Record	Average Precip. in inches for specific Month	Mean Departure from Average Amount In inches.
1925						
October	8	1	7	1.366	0.959	-0.407
November	8	5	3	1.248	1.385	+0.137
December	8	2	5	1.432	1.186	-0.246
1926						
January	8	0	8	1.861	0.915	-0.946
February	8	4	4	1.376	1.466	+0.090
March	8	0	8	1.592	0.491	-1.101
April	8	3	5	1.355	1.174	-0.181
May	8	1	7	1.744	1.054	-0.690
June	8	0	8	1.292	0.458	-0.834
July	8	4	4	0.931	0.766	-0.165
August	8	4	4	0.782	1.060	+0.278
September	8	4	4	1.126	1.291	+0.165
			Total	16.105	12.205	-3.900

No 1926 records were secured at the American Falls station and the elimination of those data necessarily changes the averages slightly from what would have been tabulated had the same nine stations formerly used again been available.

Records have been obtained at the eight points listed for periods ranging from 16 to 32 years and for this reason, as well as because of their fairly general distribution throughout the Upper Snake drainage area, the combined data may be expected to be fairly representative in character when applied to District 36. The group totals show that precipitation for the entire twelve months amounted to 75.8 per cent of the average while actual run-off for the same

time as determined from records secured at Moran, Wyoming (see page 13) represented 69.6 per cent of a 23 year mean.

EVAPORATION

U. S. Weather Bureau publications should be consulted for 1926 evaporation data at southern Idaho points. No special stations were maintained and for this reason no records will be included herein.

NEW CONSTRUCTION AND REPAIRS

A complete new Snake River gaging station was installed during the summer by the Twin Falls Canal Company at what is known as the Robertson Ranch about 1½ miles above the mouth of Blackfoot River; a new concrete recording gage shelter was constructed during September at the station on Henrys Fork near Roxburg and in November, after a preliminary low water reconnaissance, new measuring cable equipment was installed for use in connection with the U. S. Bureau of Reclamation gage on Snake River a short distance below the American Falls dam.

EXPENDITURES

A complete statement of expenditures covering the year ending March 31, 1927 follows. This statement includes all general charge items which appeared in the annual water master's bill for the season of 1926, as well as everything pertaining to the work of the Idaho Falls office. No attempt has been made, however, to segregate expense for strictly hydrometric work from that for water distribution, as in many respects these phases are too closely related to warrant more than an arbitrary separation.

While some of the construction charges were not specifically included in the pre-season budget they were later authorized and paid as a part of the regular expense. Hence it seems unnecessary to segregate the different items between regular and special work. Salaries and expenses of Upper Valley members of the Committee of Nine and a few charges against individual canals on account of head-gate repairs have been omitted from this summary as they were assessed only against those benefitted.

All general water users charges were prorated on the basis of 60 per cent against normal flow and 40 per cent against stored water. Stored water totals were in turn segregated between the principal reservoirs in the district in proportion to their approximate available capacities. The 1925 capacity ratio was used for this purpose during April and May, following which 868 for Jackson Lake-American Falls, 60 for Henrys Lake and 4 for Twin Lakes were applied.

EXPENDITURES FOR WATER DISTRIBUTION AND HYDROMETRIC WORK

April 1, 1926 to March 31, 1927.

<u>Water Master, Special Deputy and Deputy</u>			
G. Clyde Baldwin,	Salary Apr. 1-Mar. 31,	1 year @ $4800	$4800.00
	Expenses	do	346.59
	Auto hire	do	340.21
<u>Hydrographers</u>			
Thomas R. Newell,	Salary June 1-4,	4/30 mo. @ $250.00	33.33
Lester L. Bryan,	Salary Apr. 1-Noon Nov. 9,	7 8½/30 mo. @ $216.67	1578.08
	Expenses	do	60.90
	Auto hire	do	661.05
C. A. McClelland,	Salary Apr. 1-Dec. 31,	9 mo. @ $216.67	1950.02
	Jan. 1-Mar. 31,	3 mo. @ $225.00	675.00
	Expenses	do	105.50
	Auto hire	do	914.68

Hydrographers

Hans H. Coffin,	Salary Apr. 20-May 23 & Oct. 1-Dec. 15, 3 19/30 mo. @ $180.00	$654.00
	May 24-Sept. 30, 4 7/30 mo. @ $160.00	677.33
	Dec.16-Mar. 31, 3 15/30 mo. @ $200.00	700.00
	Expenses do	31.19
	Auto hire do	1035.64
Leo K. Homer,	Salary May 24-Aug. 31, 3 7/30 mo. @ $150.00	485.00
	Expenses do	17.85
	Auto hire	641.03
C. T. Judah,	Salary May 17-June 30, 1 14/30 mo. @ $135.00	198.00
	July 1-Sept. 30, 3 mo. @ $145.00	435.00
	Expenses do	9.97
	Auto hire do	674.83
John H. Reed,	Salary Apr. 19-June 30, 2 12/30 mo. @ $130.00	312.00
	July 1-Sept. 30, 3 mo. @ $140.00	420.00
	Expenses do	8.70
	Auto hire do	961.48

Deputy Water Masters

Bruno Albert,	Salary May 19-Sept. 30, 4 12/30 mo. @ $50.00	220.00
	Auto hire do	220.00
T. W. Luetjen,	Salary May 20-Sept. 30, 134 days @ $4.00	536.00
	Auto hire do @ $3.25	435.50
W. J. Kremer,	Salary May 10-Sept. 30, 144 days @ $4.00	576.00
	Auto hire do @ $4.00	576.00
Wm. Sauer,	Salary May 11-Sept. 30, 143 days @ $4.00	572.00
	Auto hire do @ $3.75	536.25
C. A. McCurdy,	Salary May 12-Aug. 24, 105 days @ $4.00	420.00
	Auto hire do @ $3.75	393.75
S. W. Dennis, Jr.,	Salary Aug. 25-Sept. 30, 37 days @ $4.00	148.00
	Auto hire do @ $3.75	138.75
D. G. Taylor,	Salary May 11-Sept. 30, 143 days @ $4.00	572.00
	Auto hire do @ $3.25	464.75
W. N. McConnel	Salary May 20-Sept. 30, 4 11/30 mo. @ $50.00	218.33

Stenographers

Alfreda Haggerty,	Salary Apr. 1-10 & Apr. 14-June 30, 2 27/30 mo. @ $110.00	319.00
	July 1-Oct. 31, 4 mo. @ $115.00	460.00
	Salary July 10-11, 1½ days @ $4.00	6.00
Snow Coffin,	Salary July 10-11, 1½ days @ $4.00	178.67
Evelyn L. Baker,	Salary May 17-Sept. 30, 4 14/30 mo. @ $40.00	462.00
Helen George,	Salary Oct. 25-Feb. 28, 4 6/30 mo. @ $110.00	125.00
	Mar. 1-31, 1 mo. @ $125.00	

Gage Readers

		8.00
Stanley Boyle,	Salary Apr. 1-16, 16/30 mo. @ $15.00	157.00
Mrs. J. L. Carter,	Salary May 17-Mar. 31, 10 14/30 mo. @ $15.00	14.70
J. D. Luetjen,	Salary Apr. 1-May 19, 1 19/30 mo. @ $9.00	

Gage Readers

Walter Lenz,	Salary	Oct. 1-Mar. 31, 6 mo. @ $9.00	$54.00
Mrs. J. F. Johnson,	Salary	Apr. 2-May 1, 1 mo. @ $7.50	7.50
Harold Fuqua	Salary	Apr. 21-May 19, 29/30 mo. @ $5.00	4.83
		May 20-Sept. 30, 4 11/30 mo. @ $12.00	52.40
		Oct. 11-Dec. 31, 2 20/30 mo. @ $6.00	16.00
Mrs. Irvin Sieport,	Salary	Apr. 1-May 16, 1 16/30 mo. @ $7.50	11.50
		May 17-Sept. 30, 137 days @ $0.75	102.75
		Oct. 1-Nov. 30, 2 mo. @ $5.00	10.00
B. F. Smith,	Salary	Apr. 1-May 9, 11 trips @ $1.00	11.00
		Oct. 2-Dec. 4, 11 trips @ $1.00	11.00
John Rice,	Salary	Dec. 5-11, 1 trip @ $1.00	1.00
		Dec. 12-Mar. 31, 110 days @ $0.60	66.00
W. H. Kremer,	Salary	May 20-Sept. 30, 134 days @ $1.00	134.00
Maggie Anderson,	Salary	Apr. 25-May 10, 2 trips @ $1.00	2.00
Eva Davis,	Salary	May 10-Sept. 30, 144 days @ $1.00	144.00
J. A. Clough,	Salary	Apr. 1-May 10 & Oct. 1-Mar. 31, 7 10/30 mo. @ $10.00	73.33
		May 11-Sept. 30, 143 days @ $1.00	143.00
A. J. Ayers, *	Salary	Oct. 1-May 31, 8 mo. @ $8.00	64.00
		June 1-Sept. 30, 4 mo. @ $50.00	200.00
G. S. Gilham	Salary	May 20-Sept. 30, 4 11/30 mo. @ $10.00	43.67

Secretary, Water Users Committee of Nine

John Lee, *	Salary	Feb. 27, Mar. 1 & 29, May 20-22, July 7 & 15 & Sept. 28, 9 days @ $5.00	45.00
	Expenses	do	36.20
	Auto hire	do	19.24

Miscellaneous

Materials, labor and equipment for gaging stations	830.96
Field and office equipment (instruments, etc.)	387.67
Telephone and Telegraph	539.48
Field and office supplies	317.15
Premiums on official bonds	20.75
Interest on borrowed money	196.74
Employees compensation insurance	157.58
Total	$30,187.83

* Those items were computed for the year ending September 30, 1926.

SOURCES OF REVENUE

Normal Flow Fund	$15,511.35
Normal Flow Users (Direct assessment in 1926 District No. 36 Water Master bill)	218.66
Jackson Lake and American Falls Stored Water Users (through State)	9,658.74
Jackson Lake and American Falls Stored Water Users (Credit in 1926 District No. 36 Water Master bill)	135.77
North Fork Reservoir Company (through State)	646.87
Utah-Idaho Sugar Company (through State)	45.30
Sheppard & Company (through State)	31.66
U. S. Geological Survey	661.27
State of Idaho (Cooporative Stream Measurement Fund)	2,991.37
State of Idaho (Commissioner of Reclamation)	24.59
Minidoka Irrigation District	54.72
Burley Irrigation District	27.36
North Side Canal Company, Ltd.	82.09
Twin Falls Canal Company	82.08
Utah Power & Light Company	16.00
Total	$30,187.83

*FUNDS AVAILABLE April 1, 1927

Normal Flow Fund (a)	1,375.15
Milner Low Lift Irrigation District (Unpaid 1926 Water Master bill)	30.87
Jackson Lake Stored Water Users (a)	9.24
North Fork Reservoir Company (b)	17.32
Sheppard & Company (b)	18.34
U. S. Geological Survey (c)	602.03
State of Idaho, Cooperative Stream Measurement Fund (d)	1,094.00
Total	3,146.95

* Amounts given in this table represent funds in bank or definitely known to be available after all accounts (except a few outstanding claims which had not yet been presented) were settled and adjusted to and including March 31, 1927.

(a) Additional funds probably available on or before June 1, 1927.
(b) Represents unexpended portion of money advanced.
(c) Represents amount available for expenditure prior to July 1, 1927.
(d) Amount allotted for expenditure prior to July 1, 1927 (Subject to slight change).

Two important items are not included in these summaries for the reason that their exact value is not definitely known. These are:

(1) The rent equivalent of the office quarters and furniture in the Federal Building at Idaho Falls. Because of the cooperation

with the U. S. Geological Survey this very desirable office space and equipment is made available without charge.

(2) The cost of securing the necessary prints for and the binding of 55 copies of the 1925 report which was paid direct by the State Commissioner of Reclamation.

The total annual expenditure amounting to $30,187.83 is greater than that of the preceding year by $4,734.63 but is less than that for the year ending March 31, 1925 by $3,796.71. These differences reflect, to some extent, inversely the water supply characteristics of the respective seasons since costs are generally greatest during years of most deficiency. Another important factor which made the 1924 expenditures unusually heavy was the large amount of special investigation work accomplished during that year.

WATER RIGHTS

Decreed rights having their source of supply in Henrys Fork, Fall and Teton Rivers have remained substantially unchanged during the past two years and in consequence the diagrams covering these streams which are contained in the 1924 report are still applicable. Several small permanent transfers have recently been granted which affect some of the canals diverting from Snake River proper and, in addition, material increase in storage rights has resulted from the completion of the American Falls Dam. These changes have been made and the revised rights as of April 1, 1927 are shown on Plate XXXV.

On the diagrams, the longer vertical line at the right hand side of each triangular block represents approximately the

priority date, and the horizontal length of the block the size of the right. Very small rights appear simply as vertical lines. Exact dates and amounts are given in the adjacent tabular summary. Wherever two names appear in the latter for a single decreed right, the larger letters refer to the canal through which the water is now diverted and the smaller to the source from which the right was obtained. Under the "Decree" heading the amount of the individual right is listed; under "Total" the total of all decreed rights to which the canal is entitled; and under "Older" the total of all older valid rights is given.

What may be considered permanent storage rights are listed under the "Storage" heading. These represent a combination of Jackson Lake and American Falls water, referred to respectively by the letters "J" and "A". Should some of the American Falls contractors later decide to take their construction cost rebate in money rather than in water these items will be changed somewhat. Slight changes may also be necessary when the final unit cost of the reservoir is definitely established. The following table supplements the storage data contained in this column:

	Acre-feet
Storage rights listed on Plate XXXV	1,457,434
American Falls Reservoir District (unallotted)	631
United States (held for specific projects or for sale)	1,043,935
Idaho Power Company	45,000
Combined capacity of American Falls and Jackson Lake Reservoirs.	2,547,000