BUREAU OF WATER RESOURCES
DEL ROSS N. CARTER, DIRECTOR

STATE OF IDAHO

C. C. MOORE, GOVERNOR

DEPARTMENT OF RECLAMATION

W. G. SWENDSEN, COMMISSIONER

BOISE

April 15, 1926

HONORABLE C. C. MOORE
Governor of Idaho
Boise, Idaho

Sir:

It is my privilege to transmit this, the Seventh Annual Report of the administration of Snake River.

The first organization of personnel on all-year basis was perfected in 1919 by mutual agreement of the many waterusers who derive their irrigation supply from Snake River. The desirabiliy of maintaining the organization which now functions in this matter is, I believe, generally prevalent.

Snake River is the one greatest resource of Idaho. It has been the means of bringing more people to the State and now supports and keeps more people in the State than any other natural resource we have.

To regulate this stream in accordance with the decrees and priorities of all existing water rights is an intricate task and its accomplishment has been generally satisfactory to the people who depend upon the River for their livelihood.

To Mr. Baldwin, the head of the organization which has effected an intelligent, equitable and orderly distribution of Snake River water for the past seven years, is due a great amount of credit, and to the people of Snake River valley, who have advised and worked with him, I wish to convey my acknowledgement of thanks.

Yours very respectfully,

(Signed) W. G. SWENDSEN

Commissioner of Reclamation

MOORE, GOVERNOR

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
W. G. SWENDSEN, COMMISSIONER
G. CLYDE BALDWIN, DEPUTY

IDAHO FALLS, IDAHO

WATER DISTRICT NO. 36

Idaho Falls, Idaho
April 10, 1926.

Mr. W. G. Swendsen,
Commissioner of Reclamation,
Boise, Idaho.

Dear Sir:

I take pleasure in submitting herewith the technical report covering all regular water distribution and hydrometric operations in Water District No. 36 for the irrigation season of 1925.

U. S. Geological Survey methods have been used throughout as a standard for the collection and compilation of hydrometric data. Most of the latter which are included have been recomputed since the close of the irrigation season, and in this, as well as in other respects, the report is similar to and consistent with reports for the six 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 1925 through the advance of money by the Upper Snake River Water Users Protective Union, the Twin Falls Canal Co. and the North Side Canal Co. Ltd.

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

Appreciation should also be expressed to the members of the Water Users Committee of Nine of District No. 36 for their cooperation in the work and for their readiness to furnish advice and assistance as 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 years operations.

For valued assistance in the preparation of this report acknowledgment is accorded to C. A. McClelland, L. L. Bryan, Mrs. Bessie M. Rees and Miss Alfreda Haggerty.

Respectfully yours,

G. Clyde Baldwin
Deputy.

WATER DISTRIBUTION AND HYDROMETRIC WORK

In District No. 36

1925

by G. Clyde Baldwin

CONTENTS

	Page
Introduction	1
Personnel	6
Descriptive Outline of 1925 Distribution	6
Water Supply	10
Storage versus Flood Water Diversions	11
Domestic Water	11
Municipal Water Rights	12
Temporary Transfers	12
Exchange of Normal Flow for Storage	12
Litigation	13
Gros Ventre Landslide	14
Canal Deliveries	14
River Data	16
Segregation of Flow	17
Twin Lakes, Jackson Lake and Lake Walcott Storage Deliveries	18
River Losses and Gains	22
Normal Flow Comparison	27
Ground Water	29
Water Distribution and Hydrometric Work in the Henrys Fork-Fall River-Teton Area	31
Distribution in Swan Valley	35
Distribution on Sand Creek, Fremont County	35
Climatological Data	36
Evaporation	38
New Construction and Repairs	38
Expenditures	39
Water Rights	44
Recommendations	44

PLATES

		Following Page
Plate I	Map showing principal streams and gaging stations in District No. 36 ----------	6
Plate II	Hydrographs for Jackson Lake during the Period Nov. 15, 1914 to March 31,1926 ----------	10
Plate III	Daily discharge of canals diverting from Snake River, May 1925 ----------	14
Plate IV	Daily discharge of canals diverting from Snake River, June 1925 ----------	14
Plate V	Daily discharge of canals diverting from Snake River, July 1925 ----------	14
Plate VI	Daily discharge of canals diverting from Snake River, August 1925 ----------	14
Plate VII	Daily discharge of canals diverting from Snake River, September 1925 ----------	14
Plates VIII IX and X	Daily summary of data at and between Snake River gaging stations from Jackson Lake to Milner, Idaho, May to September 1925 ----------	16
Plate XI	Hydrographs of total and normal flow of Snake River at Moran, Wyoming and Heise, Idaho gaging stations---	17
Plate XII	Hydrographs illustrating net losses and gains between the Heise and Lorenzo gaging stations -------	19
Plate XIII	Twin Lakes, Jackson Lake and Lake Walcott storage deliveries ----------	20
Plate XIV	Hydrographs illustrating the net losses and gains between the Heise and Blackfoot Bridge gaging stations-	22
Plate XV	Hydrographs illustrating the net gain between the Blackfoot Bridge and Neeley gaging stations ----------	25
Plate XVI	Hydrographs illustrating the net losses and gains between the Neeley and Milner gaging stations --------	26
Plate XVII	Monthly summary of normal flow conditions for the irrigation seasons 1919, 1920, 1921, 1922, 1923, 1924 and 1925 ----------	27

PLATES

		Following Page
Plate A	- Diagrams showing progressive changes in ground water levels ----------	30
Plate B	- Typical cross section of Snake River cone with August water table elevations for 1923, 1924 and 1925 --------	31
Plate XVIII	- Daily discharges of canals diverting from Henrys Fork and Tributaries, June 1925 ----------	32
Plate XIX	- Daily discharges of canals diverting from Henrys Fork and Tributaries, July 1925 ----------	32
Plate XX	- Daily discharges of canals diverting from Henrys Fork and Tributaries, August 1925 ----------	32
Plate XXI	- Daily discharges of canals diverting from Henrys Fork and Tributaries, September 1925 ----------	32
Plates XXII and XXIII	- Daily summary of data at and between gaging stations on Henrys Fork and Tributaries from Henrys Lake to Rexburg ----------	33
Plate XXIV	- Hydrographs illustrating the net gain between the Squirrel and Chester gaging stations on Fall River -----	34
Plate XXV	- Hydrographs illustrating the net losses and gains between the Ashton and Rexburg gaging stations on Henrys Fork ----------	35
Plates XXVI and XXVII	- Daily precipitation diagrams for Upper Snake River area - ----------	37

INTRODUCTION

At the annual meeting and election held in Idaho Falls, Idaho on March 2, 1925, G. Clyde Baldwin was reelected to the position of Water Master of District No. 36 and the following amended report of the resolutions committee was unanimously adopted as a program or plan to govern operations for the season:

"Your committee have to recommend that for the year 1925, 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 40,000 acre-feet to cover lag and other causes of loss in return flow. Said 40,000 acre-feet to be released to direct-flow users in the Upper Snake River Valley, during July and August at such times and in such amounts, as will most nearly reestablish pre-reservoir conditions at Heise. Said 40,000 acre-feet 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 re-instated until such time as its proportionate amount of such 40,000 acre-feet 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 <u>two day mean method</u> 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 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 April 15, 1898, or rights superior thereto, and shall not continue after any right with a priority date as of April 15, 1898, may be reinstated. The date of April 15, 1898, is fixed for the purpose of protecting direct flow users in what is called the lower valley from any possible harm through such practice.

VI.

The distribution of water in District No. 36 being so complex, and there being so many important matters that need consideration and adjustment, and believing that many questions that do arise have been and can be settled and litigation prevented by such a committee, we believe it desirable that the committee of nine, or some similar representative body be continued in office through the coming year.

VII.

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

VIII.

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."

Reservations included by unanimous consent

"It is agreed that this resolution is offered for adoption with the understanding that the regulations therein provided for are temporary only for the irrigation of 1925 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 is not offered in the light of an admission that the plan therein proposed establishes any fixed or accurate facts touching the matters therein dealt with for future irrigation seasons but is only binding for said irrigation season of 1925. Nor shall the adoption of this resolution be considered as an estoppel for future years."

The Committee of Nine were also authorized to incur whatever expenditures were in their judgment necessary for the proper discharge of their duties and were empowered at their discretion to arrange for additional special investigations with the general understanding that economy was desired by the water users.

On March 27, 1925 the Committee of Nine again met at Idaho Falls, considered the annual water master budget and approved same in the amount of $12,906.45 as the estimated cost of all regular work properly chargeable against normal flow water users.

The following quotations from the minutes of this meeting outline the action taken on other matters of importance:

"Moved by R. E. Shepherd seconded by W. C. Sollenberger that the chairman appoint a committee of four men with the watermaster added in an exofficio capacity to consider the matter of all special investigations not specifically acted upon at this meeting and make recommendations thereon at the next meeting of the Committee of Nine. Motion carried.

Moved by R. E. Shepherd and seconded by John E. Kelley that the watermaster be requested to install gaging stations on Bannock Jim and Lowder Sloughs and complete the installation at the new station on Snake River at Lorenzo or to the extent deemed necessary for securing dependable determinations of losses and gains between the Heise and Lorenzo gaging stations during the coming season; these instructions to include authorizatio of all necessary expenditures incident to their execution. Motion carried.

Chairman Hart then appointed W. O. Cotton, John E. Kelley, Eph Peterson and E. B. Darlington as members of the committee to act with the watermaster in the matter of recommendations for special investigation work.

Moved by W. C. Sollenberger and seconded by John E. Kelley that this special investigating committee be instructed to investigate at the earliest possible date the feasibility of improving conditions at the gaging station on Snake River at Neeley, Idaho by relocating the cable measuring equipment and that authority to act in this matter and approve necessary expenditures be accorded to them.

Discussion of the new contract to be executed between the U. S. Bureau of Reclamation representing Jackson Lake Stored Water Users and the State of Idaho covering stored water expenditures on account of water distribution and hydrometric work in District No. 36 during the coming year made it evident that the Committee of Nine favored the 40%-60% ratio for division of water users expenditures and otherwise favored a new contract along substantially the same lines as the one at present effective."

Water distribution and hydrometric work during 1926 were again carried on under substantially the same general plan which has been followed for several years. All work of both classes was handled from one central office located at Idaho Falls. Funds for securing hydrometric data of a wide-spread interest character were provided by the State of Idaho and the U. S. Geological Survey in accordance with the terms of a cooperative agreement applicable to the whole State; the U. S. Indian Irrigation Service paid the actual cost of a small amount of specific work done for the benefit of their Fort Hall Project* 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 Idaho Falls office was first established on a permanent basis in May 1919. In this, as well as in nearly every other year, however, changes in transmission loss schedules and other mutually agreed upon departures from previously used methods of delivery have influenced to some extent the operation of the river and the final apportionment of the water. Changes of this character not outlined in the preceding portion of this report are described in the reports of the Deputy State Commissioner of Reclamation# for former years and these should be referred to for further details or information.

The sub-committee selected on March 27 investigated conditions in the vicinity of the Keeley gaging station on April 13-14 but concluded that

*This work terminated July 31, 1925.

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

until an opportunity had been afforded to study the river at low discharge stages it would be unwise to attempt to relocate the station. At the urgent request of the Twin Falls Canal Co. another visit to this locality was made on May 29, at which time a proposal was accepted whereby this company agreed to install a new station at their own expense, upon the understanding that if its value to the district was thoroughly demonstrated the latter would reimburse them for the cost of the work. The construction was completed and records began during July but no very low river stages were experienced thereafter and consequently the real value of the new station is not yet apparent.

In order to obtain a more complete record of diversions from that section of Snake River located above American Falls than would otherwise be practicable, the canal companies of the lower valley arranged to pay the cost of employing two men to read gages during the month of May. This permitted securing actual records at each of the canals between the Heise and Blackfoot Bridge river gaging stations every other day and made it possible to prepare very dependable discharge data for the entire month.

Other early season activities comprised the installation of cable measuring equipment on the secondary river channel at Lorenzo, minor new construction, the usual work of reestablishing stations which had been temporarily discontinued for the winter and securing meter measurements for the fixation of current ratings.

Regular river riders and deputy water masters began work on June 1, the customary date for initiating the daily supervision over diversions for irrigation purposes in all seasons except those when abnormal drought conditions pertain.

PERSONNEL

The personnel engaged in the work of distribution during the season of 1925 was as follows:

G. Clyde Baldwin	Deputy State Commissioner of Reclamation, Special Deputy in charge of Jackson Lake and Twin Lakes Stored Water Delivery and Water Master of District No. 36.
C. A. McClelland	Hydrographer, Deputy Water Master and Special Deputy in charge of Henrys Lake Stored Water Delivery.
L. L. Bryan	Hydrographer
Mrs. H. Coffin	Hydrographer
Kendall Dawson	Hydrographer
Mrs. Bessie M. Rees	Clerk and office assistant, Idaho Falls office.
Mrs. Wilma Adams	" " " " St. Anthony "
T. W. Luetjen	Deputy Water Master, Upper Fall River division
Ernest Luetjen	" " " and Hydrographer, St. Anthony division
Leo K. Homer	" " " and Hydrographer, Teton River division
Ira Moore	" " " Heise division (June 1-July 16)
W. J. Kremer	" " " " " (July 17-Sept.15)
Wm. Sauer	" " " Rigby division
Chas. McCurdy	" " " Idaho Falls division
Delbert Taylor	" " " Blackfoot division
D. D. Jacobs	" " " Swan Valley canals
Fred J. Anderson	" " " Minidoka Dam
W. N. McConnel	" " " and hydrographer, Milner Dam
J. M. McGinn	" " " and Gate Tender, Henrys Lake Dam
Joseph Markham	Superintendent, Jackson Lake Dam
Frances V. Herre	Forwarding Agent, Ashton, Idaho

John Empey, Wm. Sauer, Chas. McCurdy, Harold Fuqua, Mrs. Irvin Siepert, Eva Davis, J. A. Clough, A. J. Ayers, T. W. Luetjen, G. S. Gilham, D. G. Taylor, W. H. Kremer and B. F. Smith Gage Readers.

DESCRIPTIVE OUTLINE OF 1925 DISTRIBUTION

The February and March surveys conducted by Joseph Markham showed the snow conditions over the area tributary to Jackson Lake to be unusually favorable and practically assured not only the filling of that reservoir, but also a reasonably good normal flow water supply. His April report which indicated a pronounced decrease in both the depth of the snow and in its water content

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	HENRYS 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.

CLARK
FREMONT
JEFFERSON
MADISON
TETON
BONNEVILLE
BINGHAM
BANNOCK
POWER
CARIBOU
GOODING
LINCOLN
JEROME
MINIDOKA
BLAINE
TWIN FALLS
CASSIA
HENRYS LAKE RESERVOIR
YELLOWSTONE NATIONAL PARK
JACKSON LAKE RESERVOIR
GRAYS LAKE
SNAKE RIVER
IDAHO
WYOMING

was not so reassuring but, as this condition was apparently due to unusual warm weather and heavy ground absorption, confidence that the stream flow would be adequate for summer irrigation requirements was not seriously impaired.

Early use of water was again advised as a precautionary measure but was not practiced to any great extent. General spring rains shortly after the middle of April and again just before the middle of May resulted in soil conditions which were favorable to seed germination without extensive preliminary irrigation.

Precipitation during June and the early part of July was above normal in most portions of the Snake Valley and aided materially in supplying the moisture needed by growing crops.

The river discharge was well sustained with no excessive flood flow periods and in consequence regulation of diversions was not required until July 15 when all canals were ordered cut down to their record rights.

When the outlet gates of Jackson Lake Reservoir were shut down on October 3, 1924 the unused storage or holdover amounted to only 2,410 acre-feet. These gates remained closed until June 19, 1925 when, with a full reservoir assured, they were opened to permit a gradually increasing proportion of the normal flow to pass the dam. From June 28 when the full capacity of 847,000 acre-feet was first attained until storage was ordered released on July 15 the reservoir was held at this stage and the entire normal flow of the river was allowed to pass on downstream.

Diversions under permit and license rights and the youngest of the decreed rights were first curtailed on July 17 and by July 20 were limited to those canals with decrees having a priority date of October 7, 1905 or earlier.

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

July	30	Cut off rights having a priority date subsequent to	Mar. 26, 1903
Aug.	2	" " " " " " " "	Oct. 11, 1900
"	5	Reinstated rights having a priority date earlier than	Mar. 26, 1903
"	6	Cut off rights having a priority date subsequent to	Oct. 11, 1900
"	7	Reinstated rights having a priority date earlier than	Mar. 26, 1903
"	12	Cut off rights having a priority date subsequent to	Oct. 11, 1900
"	16	Reinstated rights having a priority date earlier than	Mar. 26, 1903
"	17	Cut off rights having a priority date subsequent to	Oct. 11, 1900
"	18	Reinstated rights having a priority date earlier than	Mar. 26, 1903
"	27	Cut off rights having a priority date subsequent to	Oct. 11, 1900
Sept.	1	General regulation discontinued.	

Attention should be called to the fact that both cuts and reinstatements as listed above apply particularly to upper valley canals. These, as a rule, were regulated slightly later than canals below American Falls, due largely to the attempt which was made to allow for the so-called lag as outlined in Section I of the 1925 program of operations (see page 1). The normal flow of the river was so well sustained, however, that at no time during the season did it prove practicable to accumulate anything like the prescribed amount of 40,000 acre-feet.

Decreed rights having a priority date earlier than October 11, 1900 remained valid throughout the entire season. This means that from the standpoint of irrigation water supply the season was one of the most satisfactory ever known and unquestionably the best since 1919, when the present river organization first assumed control of regulation.

The following letter which was forwarded by Mr. Baldwin under date of August 31 to each of the members of the Committee of Nine, describes conditions existing at that time and outlines the plan of operations adopted for the latter part of the season:

"During all of the time for the last two weeks the normal flow of Snake River and its tributaries has been sufficient to fill all decreed rights having a priority dated earlier than October 11, 1900 and during a considerable

portion of this time it has been sufficient to fill all rights having a priority dated earlier than March 26, 1903. In consequence, with very few minor exceptions, no regulation has been required for upper valley canals and the duties of the river riders or deputy watermasters during the period have consisted almost entirely of the daily reading of Canal gages.

At the present time the tendency for these upper valley canals is either to continue to divert less water from the river or, if the same quantity is diverted, to waste larger portions of it back to the main stream from the lower end of their systems. Crops are well advanced and it is believed that from now on the decreased use of water will be more than sufficient to offset the normal reduction in stream flow which may be expected as the season progresses.

About 4000 second-feet of storage are still being released from Jackson Lake Reservoir, almost entirely for use in the lower valley, but it seems probable that this amount can be diminished gradually and doubtless cut out altogether with the arrival of the first general rainstorm. In this event Lake Walcott would be depended upon to supply whatever storage might be required in the lower valley thereafter.

In view of the circumstances and conditions above set forth, it is thought that the services of most of the river riders can be safely dispensed with after today, thus reducing the District expenditures by a considerable amount. The hydrographers, with the exception of Mr. Homer who will be replaced by Mr. E. Luetjen, will be retained until the end of September when, unless unusual circumstances arise, the entire organization will be reduced to the normal winter basis.

All upper valley canals will be visited by the hydrographers at intervals during September and by interpolating discharges between such visits, it will be possible to include September records in the season's report, although they will of course not be quite so accurate as those for the previous three months when daily readings were secured.

This plan of operation is similar to that followed during September of the years 1921 and 1922.

The above contemplated program has been discussed in a general way with Messrs. Hart, Peterson, Cotton, Darlington and Shepherd of your Committee, whom it was possible for me to see in person, and has received their approval. For this reason and because of the added difficulty at this season of the year of securing a full attendance at any meeting of such busy men as yourselves, it has not been deemed worth while to try to convene your Committee to take formal action approving the suggested procedure. I trust, however, that the plan above outlined will be generally acceptable to all, and wish to assure you that every effort will be made to reduce expenditures during the remainder of the season in so far as practicable without seriously impairing the collection of valuable records and the water distribution service.

At this time it appears possible to carry over at least 300,000 acre-feet of storage in Jackson Lake Reservoir and if weather conditions should prove favorable it is quite likely that a considerably larger amount may be held.

No storage has yet been drawn out of Henrys Lake during 1925 so a fine holdover there seems assured.

Should you have any comments or suggestions to make relative to the program outlined herein or any other matters pertaining to District No. 36, I hope that you will feel free at all times to communicate them to me."

On September 6th release of stored water from Jackson Lake was discontinued and on September 10, with 360,440 acre-feet still remaining in the reservoir, the gates were ordered closed to begin storage for the 1926 season.

Plate II illustrates graphically the rate at which Jackson Lake Reservoir was filled or drawn down during the period from November 15, 1914 to March 31, 1926 inclusive. All graphs are plotted on the basis of 1919 capacity tables.

WATER SUPPLY

If the comparison of annual run-off at the Moran and Neeley gaging stations, which has been included in the five preceding reports, is extended to include the year ending September 30, 1925, the data may be summarized as follows:

Station	Mean annual run-off for 22 years ending September 30, 1925	Run-off for year ending September 30, 1925.	% of mean
Moran	1,108,000	1,328,000	119.9
Neeley	6,604,000	6,290,000	95.2

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, have not been subjected to any such corrections, but represent actual totals measured at the gaging station. 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. Since annual run-off is not necessarily a true measure of the summer water supply and since great difficulty would be experienced in

DEPARTMENT OF THE INTERIOR UNITED STATES GEOLOGICAL SURVEY

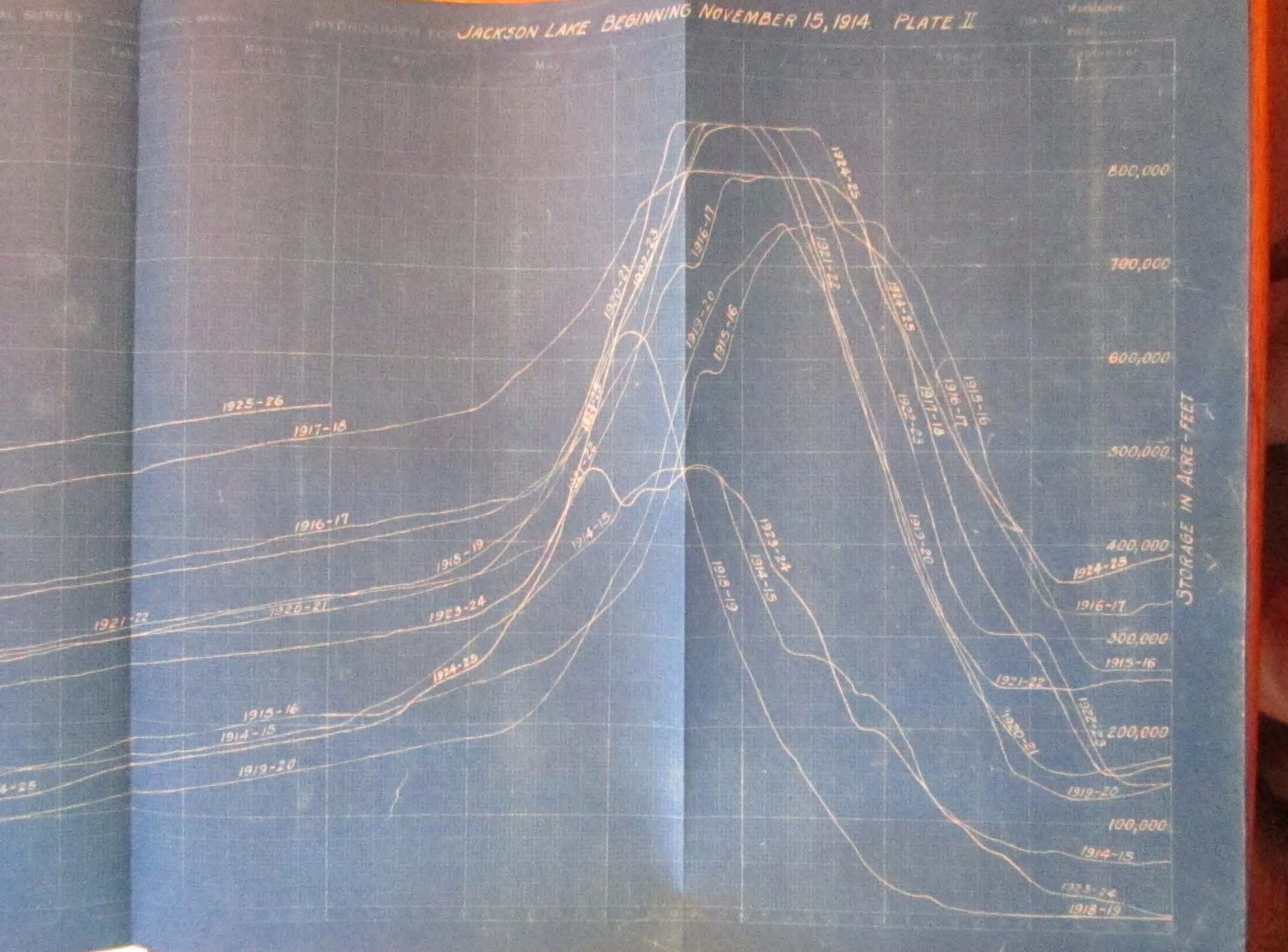
JACKSON LAKE BEGINNING

* STORAGE IN ACRE-FEET

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

1925-26
1917-18
1916-17
1915-16
1918-19
1921-22
1923-24
1920-21
1914-15
1924-25
1919-20

JACKSON LAKE BEGINNING NOVEMBER 15, 1914. PLATE II



computing dependable corrections for application to the Neeley record, it is probably only worth while to point out that if these corrections were made the percentage relationship between the 1925 total and the 22 year mean at the latter point, would be much more consistent with respect to that at Moran than is otherwise indicated.

Mention has already been made of the well sustained character of the summer stream flow and of the fact that the water supply was not only sufficiently adequate to afford large storage hold-overs but was also very favorable for normal flow irrigation use. Additional information concerning the latter will be found further on in the text of this report and in the tables on Plate XVII.

STORAGE VERSUS FLOOD WATER DIVERSIONS

No 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, except possibly at Henrys Lake Reservoir. The quantity of water and length of time there involved were both so small as to be almost negligible and for this reason, doubtless, as well as because of the better understanding now existing concerning these matters, no complaints were registered.

DOMESTIC WATER

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

Very few canals were shut dry during the season and stored water was at all times obtainable by any of these whose need was great enough to warrant its purchase.

1925 use of nearly 1000 acre-feet of storage from Twin Lakes was sold to the Enterprise Irrigation District by the Utah-Idaho Sugar Co. and a small amount from Jackson Lake was similarly disposed of by the New Sweden Irrigation District at prices understood to range from $0.75 to $1.00 per acre-foot.

MUNICIPAL WATER RIGHTS

Ground water from wells was utilized throughout the summer as a source of municipal supply for St. Anthony while the valid decreed rights of the City of Idaho Falls were at all times more than sufficient to cover actual use.

TEMPORARY TRANSFERS

Since decreed rights with a priority date earlier than October 11, 1900 were never invalidated, temporary transfers, as permitted in former years, were prohibited under the 1925 regulation.

The water master took the responsibility of authorizing a single exception by permitting part of the water belonging to the Idaho Irrigation District and ordinarily diverted through the Boomer Canal to be drawn through the Eagle Rock and Willow Creek canal of the Progressive Irrigation District after the Boomer flume across Willow Creek was washed out on the night of July 26. This was considered an emergency situation where failure to permit the transfer might have resulted in serious crop damage before the structure could have been replaced.

EXCHANGE OF NORMAL FLOW FOR STORAGE

The only exchange of normal flow for storage practiced during the season was that made necessary in order to deliver the Twin Lakes storage to the Enterprise Irrigation District whose canal diverts from Fall River. In this case the actual delivery was from normal flow but stored water was released to the river in sufficient amount to compensate for the depletion of the former.

LITIGATION

After a hearing before the State Commissioner of Reclamation at Rigby, Idaho on February 13, a permanent transfer or change of both point of diversion and use was finally granted on March 14, 1925, under which 40 second-feet of water originally decreed to lands served by the Long Island Canal system, with priorities ranging from June 1, 1887 to June 1, 1889, became a part of the rights of the Farmers Friend Irrigation Company. While a number of protests had been filed and objections made to the granting of this transfer the Commissioner held that all were based upon the theory that the right to the use of the water had been lost through abandonment---something not within his province as an administrative officer, to determine.

Thereafter legal action was initiated by the protesting canal companies and irrigation districts, in which cancellation or annulment of the transfer order was sought. The case was tried in the Court of the Ninth Judicial District at Rigby, Idaho on July 9, 1925 following which a decision was rendered by Geo. W. Edgington, the presiding judge, denying the desired action and sustaining the validity of the transfer. The plaintiffs, through their attorney James R. Bothwell, thereupon appealed from this decision to the Supreme Court of the State where the matter now rests.

The history of this case has been thus briefly summarized because of its probable importance as a test to determine the legality of all similar water transfers.

On Nov. 28, 1925 the State Supreme Court rendered an opinion denying a rehearing and in effect sustaining the decision of the District Court which refused the Fall River Irrigation Company authority to have its water right priority date advanced from June 1, 1889 to June 1, 1885 (See page 19 of report on Water Distribution and Hydrometric Work in District No. 36 for 1923).

No other court action of general importance to the water users of this

District was recorded during the past year.

GROS VENTRE LANDSLIDE

On June 23 a sudden and extensive landslide dammed Gros Ventre River at a point about two miles above Kelly, Wyoming. For several days the entire stream flow below this point was cut off, while the water impounded in the basin above rose rapidly at first, then more gradually, to form a new lake about five miles long and covering an area of approximately 2,000 acres. As the water pressure above the natural dam increased, seepage developed on the downstream side and grew larger in amount until about the latter part of July when a sort of equilibrium was established and the outflow equalled the inflow. Thereafter, as the normal stream flow decreased, the elevation of the water surface in the new lake also lowered slightly. At no time was the natural barrier of earth, trees and rock actually overtopped by the water although it seems possible that there may be a real overflow during the 1926 flood season.

This catastrophe could hardly have occurred at a more favorable time with respect to its effect upon the normal flow of Snake River. In the neighborhood of 2,000 second-feet were held back when the slide took place but the remaining supply was still ample to care for all needs of Idaho users. By the time the water was really needed at lower river points the seepage outflow was almost equivalent to the normal stream discharge and soon afterwards actually exceeded this amount, as evidenced by the gradually decreasing head above the dam.

Unless 1926 flood water conditions materially change the situation, therefore, Snake River water users will be benefitted rather than harmed as a result of the creation of this natural reservoir which has been so appropriately named "Sudden Lake".

CANAL DELIVERIES

The total amount diverted daily through each canal heading either in the

U.S. DISTRIBUTION WATER DISTRICT NO. 36

PAGE NO. 30

DAILY DISCHARGE IN SECOND FEET OF CANALS DIVERTING FROM SNAKE RIVER FOR MAY 1923

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
RILEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	3	2	6	10	20	21	21	24	23	30	32	34	36	36	307
ANDERSON	28	30	32	34	34	34	38	34	32	29	29	29	29	29	29	63	30	31	36	40	65	90	186	183	28	19	28	183	182	178	180	2145
EAGLE ROCK & MILLION CREEK	3	4	5	4	4	4	5	6	6	8	8	8	3	11	6	16	15	14	14	13	16	16	14	14	14	14	14	14	14	14	14	283
FARMERS FRIEND	31	42	54	63	65	65	68	70	70	70	58	125	125	125	126	128	130	134	142	153	156	165	157	140	226	228	228	224	210	211	205	3543
FITZGERALD	2	2	2	1	1	1	1	1	1	1	23	45	42	45	45	45	45	45	45	38	70	196	139	141	143	143	170	196	100	204	198	2310
NELSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MATTSON & CRAIG	1	1	1	1	1	1	1	1	6	10	11	12	9	9	10	12	12	12	18	24	27	31	24	21	21	21	21	21	22	23	23	337
BANNOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	8	7	9	9	42
ROSS & RAND	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BUTLER ISLAND	3	3	4	8	8	8	4	0	0	0	0	6	12	12	12	12	12	13	14	14	14	13	12	10	8	5	5	5	5	5	5	226
STEELL	4	4	4	5	5	5	5	5	2	0	0	0	0	0	0	0	0	0	0	0	10	21	18	16	10	5	5	5	12	20	20	270
HARRISON	40	50	60	79	96	96	95	92	88	145	170	195	245	295	296	298	302	306	330	335	330	337	330	303	330	337	245	153	158	350	347	6143
GREEN	3	4	5	6	8	9	9	9	9	8	8	8	8	8	8	8	9	10	10	8	6	5	4	4	4	4	4	4	4	4	4	223
RICHER	20	12	22	24	24	24	24	24	24	24	24	60	20	20	19	18	18	17	18	18	44	13	109	96	102	108	117	116	123	123	123	1737
KOY	20	20	20	22	22	22	23	24	41	50	50	50	38	83	101	134	134	135	169	183	85	148	143	138	186	223	241	238	233	223	223	3137
KYLE & NORD	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	3	4	6	8	3	5	4	4	4	4	4	4	4	4	4	94
BURGESS	300	310	320	335	398	462	460	458	442	466	446	477	470	662	636	610	610	610	704	797	790	762	792	801	936	1010	1080	1060	1080	1080	772	20744
CLARK & EDWARDS	10	10	11	12	12	13	13	13	22	30	29	36	30	29	29	29	29	29	29	14	0	0	0	26	46	57	63	67	62	64	56	771
LONGER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JENNINGS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	16	10	3	14	29	46	44	35	38	48	353
LA BELLE	50	55	58	60	62	65	67	69	68	66	64	63	58	54	54	57	58	58	60	63	75	81	68	56	58	60	74	91	94	98	118	2184
CONSOLIDATED FEEDER	20	22	24	27	30	50	71	74	77	98	120	63	113	56	0	0	0	0	0	0	0	0	0	0	36	35	100	125	128	131	130	1443
LENROOT	0	0	0	0	0	20	33	42	64	72	57	56	113	100	86	87	88	94	98	89	99	104	11	108	64	109	14	116	118	120	123	2343
REID	0	0	0	20	40	44	52	53	54	57	48	60	47	64	81	116	131	150	150	154	152	149	149	152	158	150	135	140	90	194	198	3160
TEXAS FEEDER	3	3	4	5	6	6	6	6	128	250	139	241	209	171	229	28	24	7	213	198	184	68	23	41	37	12	105	23	337	350	342	4150
NELSON COREY	3	3	4	7	10	12	15	9	3	3	3	3	3	4	3	3	3	3	3	4	4	4	4	4	6	6	18	21	29	31	31	302
HILL PETTINGER	1	1	1	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	4	4	2	0	0	0	0	0	0	0	53
MORGAN	3	3	4	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	8	8	8	9	10	10	10	197
ROSTAN	0	0	0	0	0	0	0	0	0	0	0	2	4	4	4	4	4	4	4	4	4	5	6	7	8	8	8	8	9	10	10	155
LONG ISLAND	0	0	0	0	0	0	0	0	0	48	91	97	91	139	142	190	240	187	135	140	145	141	140	142	85	844	303	334	362	369	372	4233
ISLAND	0	0	0	0	0	0	0	15	30	30	30	28	27	29	29	30	30	4	32	10	89	11	133	123	18	14	109	130	132	132	134	1823
RIGBY	0	0	0	0	0	28	55	56	56	56	55	56	57	56	55	56	57	57	57	10	84	104	123	117	130	141	200	205	230	231	233	2446
DILTS	9	9	10	10	11	13	14	13	13	12	10	6	2	1	0	0	0	0	0	0	0	13	25	34	33	36	28	28	32	33	33	504
WEST LA BELLE	24	24	24	24	24	24	24	24	23	24	24	24	24	24	24	24	23	23	23	9	13	12	12	13	14	14	14	13	13	13	13	669
PARKS & LEWISVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTH RIGBY	23	24	25	24	23	26	29	28	30	30	30	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WHITE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	46
BRAMWELL	2	2	2	2	2	3	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	66
ELLIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INDEPENDENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BUTTE & MARKET LAKE	0	0	0	0	0	0	0	0	0	0	0	0	10	50	74	128	196	164	133	13	164	158	120	143	198	205	205	206	218	308	246	3156
OSGOOD	0	0	0	0	0	20	26	27	40	52	58	64	68	24	36	49	50	56	61	30	31	52	52	52	52	5	5	5	5	5	5	1245
KENNEDY & BURGRAFF	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	4	7	7	7	8	8	8	8	9	10	92
BEAR ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IDAHO	0	2	4	6	6	6	16	26	26	64	61	96	126	165	155	155	156	156	259	200	161	68	55	61	37	302	406	504	506	506	506	5292
GREAT WESTERN	47	49	52	54	54	54	73	92	92	92	118	144	146	148	134	119	122	126	159	94	46	48	158	67	98	209	247	296	314	330	330	4476
PORTER	49	51	53	55	50	21	10	10	56	103	118	132	86	40	83	29	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	1144
IDAHO FALLS CITY MAIN	2	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	124
WOODVILLE	17	18	19	20	21	32	42	39	51	47	44	50	56	54	52	55	57	54	57	58	58	59	57	55	44	35	47	55	46	34	36	1373
SNAKE RIVER VALLEY	124	160	197	233	270	270	274	281	289	289	318	369	396	395	398	402	396	296	257	320	388	414	424	417	432	479	497	496	466	468	473	18782
TOTAL DIVERSIONS HEISE TO WOODVILLE	851	937	1031	1151	1264	1399	1616	1679	1789	2105	2636	2763	2933	2929	2943	3346	3429	3392	3546	3821	4044	4229	4206	4179	5128	5436	6232	6483	6371	7643	7621	109857
RESERVATION	90	179	143	145	150	143	133	121	112	101	102	93	93	81	104	88	213	213	209	172	356	431	462	486	607	650	595	651	697	685	650	9016
BLACKFOOT	86	90	93	97	101	133	165	178	179	193	211	208	193	192	191	192	189	202	211	178	144	200	233	230	607	650	595	651	679	676	650	9071
NEW LAVA SIDE	38	38	38	38	39	39	31	25	29	26	33	33	33	32	124	124	116	116	112	116	136	136	177	123	169	187	146	144	144	144	144	5220
PEOPLES	96	133	169	206	242	251	240	228	236	267	278	298	317	316	314	283	236	264	272	314	336	343	350	345	336	396	427	443	444	446	443	9480
AMERICAN FALLS	364	388	447	447	536	575	617	628	625	625	650	674	671	674	674	674	674	678	698	720	744	768	782	780	780	780	805	850	897	899	946	21144
CORBETT	15	24	32	41	50	81	112	106	100	101	102	110	117	107	98	97	96	100	104	108	113	116	119	118	112	112	2	110	109	108	107	2933
NIELSEN HANSEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RIVERSIDE	60	62	63	65	67	76	86	84	87	86	85	85	85	89	93	92	90	91	95	94	96	97	96	93	88	94	100	100	104	105	106	2717
GARSKIN	60	71	82	93	104	118	131	134	142	141	140	139	135	134	131	130	108	110	111	121	130	124	116	108	146	105	66	63	60	116	87	3978
TREGO	0	0	0	0	35	47	46	52	38	33	48	46	44	42	40	41	42	41	42	42	40	39	38	36	34	40	41	46	43	44	44	963
WEARYRICK	0	0	0	0	0	12	24	24	24	22	20	21	22	32	41	42	42	40	39	38	36	34	40	41	46	43	24	24	44	44	44	963
HAYSON	42	62	63	79	64	66	86	88	91	90	88	44	4	34	64	70	91	32	93	18	38	140	43	29	125	136	48	46	28	111	29	2441
PARSONS	34	33	32	31	30	29	28	32	36	32	28	30	32	33	32	32	32	32	32	32	32	32	32	31	32	33	33	33	33	33	33	98
TOTAL DIVERSIONS WOODVILLE TO BLACKFOOT	885	1070	1164	1274	1438	1605	1799	1778	1823	1813	1817	1823	1795	1795	1894	1935	1914	1937	1977	2126	2342	2510	2600	2610	2570	2719	2308	2615	2614	2609	2629	69750
SMITH MAXWELL	1	1	1	1	1	1	1	1	1	1	1	1	1	12	17	17	17	18	20	24	25	26	14	15	14	13	14	13	20	20	20	332
TOTAL DIVERSIONS BLACKFOOT TO CLOVERDALE	1	1	1	1	1	1	1	1	1	1	1	1	1	12	17	17	17	18	20	24	25	26	14	15	14	13	14	13	20	20	20	332
NORTH SIDE MINIDOKA	1400	1470	1490	1440	1420	1470	1470	1490	1490	1490	1440	1300	1300	1310	1360	1270	1200	1210	1210	1210	1200	1200	1200	1200	1230	1320	1460	1460	1430	1410	1460	42200
SOUTH SIDE MINIDOKA	684	684	692	735	782	843	853	930	930	930	901	848	818	782	714	667	683	683	636	692	692	694	707	727	785	839	943	924	997	1020	1040	24870
TOTAL MINIDOKA CANALS	2084	2154	2182	2175	2202	2313	2343	2420	2440	2440	2341	2115	2118	2092	2074	1937	1883	1893	1846	1902	1892	1894	1907	1927	2015	2159	2403	2434	2427	2430	2500	67070
PA LATERAL	33	35	35	34	35	35	34	34	33	32	33	33	32	32	31	32	32	32	33	32	32	32	32	32	32	32	44	32	32	33	33	689
NORTH SIDE TWIN FALLS	2670	2680	2680	2670	2790	2790	2870	2940	2950	2950	2940	2950	2940	2940	2940	2940	2940	2940	2940	3000	3000	3000	3000	3000	3030	3030	3030	3030	3030	3030	3030	61180
MILNER LOW LIFT	0	0	0	0	33	50	82	50	81	51	52	98	42	42	80	67	80	82	82	81	84	84	86	90	44	86	83	67	81	56	62	1512
SOUTH SIDE TWIN FALLS	2070	2750	2300	2400	2730	2680	2840	3020	3160	3190	2510	2010	2980	3170	3120	3130	3140	3140	3140	3130	3140	3130	3140	3170	3180	3190	3190	3170	3200	3230	3250	3240	3190	71760
TOTAL TWIN FALLS CANALS	4813	4965	5014	5144	5538	5555	5816	6064	6214	6243	5355	5071	6034	6224	6212	6219	6252	6274	6275	6284	6296	6314	6340	6362	6356	6340	6490	6443	6473	6518	6570	186441

DAILY DISCHARGE IN SECOND FEET OF CANALS DIVERTING FROM SNAKE RIVER FOR JUNE 1925

SOURCE 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
RIGHT	36	33	31	28	26	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
ANDERSON	283	283	279	300	295	289	280	270	261	261	260	271	267	262	270	270	283	270	279	287	276	282	282	284	284	284	284	284	284	284	8,400
ANDERSON, SMILEY & WILLOW CREEKS	300	300	314	314	303	318	306	300	298	298	298	309	305	294	281	292	300	309	310	310	310	310	310	310	310	310	310	310	310	310	9,300
BEAVER CREEK	343	342	314	310	310	310	296	295	292	292	289	280	276	269	271	280	310	310	310	310	310	310	310	310	310	310	310	310	310	310	9,300
BERGESS CREEK	212	209	201	200	194	197	188	208	206	206	215	194	180	175	178	181	190	188	219	223	232	232	234	232	230	230	230	230	230	230	6,600
BLAIR CREEK	11	10	9	9	0	0	0	0	0	0	0	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
BOLTON	22	22	18	20	26	24	25	26	28	28	32	31	31	30	31	32	32	31	31	32	31	32	31	28	26	25	28	21	21	23	800
CARTTON & CRAIG	6	6	6	6	7	7	7	7	7	7	4	4	4	4	7	7	8	8	7	8	8	7	8	8	8	8	8	8	8	8	200
CEDAR CREEK	6	8	8	8	9	7	7	7	7	7	9	10	10	10	10	10	10	10	10	11	11	9	8	8	8	8	8	8	8	8	241
FORD & RAND	6	6	8	9	10	10	9	8	8	9	10	10	10	10	10	10	10	10	10	11	11	9	8	8	8	8	8	8	8	8	241
FRITZ ISLAND	53	50	54	58	63	56	39	39	38	39	41	40	39	37	38	40	41	40	43	50	53	53	61	51	51	50	51	52	52	52	1,481
FROST	20	19	20	20	24	24	23	22	22	22	24	23	23	19	19	19	20	22	21	23	23	22	21	22	21	20	21	23	25	26	640
GEERE	343	334	343	33	346	355	349	337	346	355	366	365	366	438	465	472	470	470	554	558	558	563	513	516	504	551	551	845	527	501	13,258
HARRISON	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	180
KNIGHT	6	6	6	6	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	270
KNOTT	227	227	226	227	81	88	83	83	81	78	72	73	73	68	66	68	194	194	243	243	236	233	232	235	236	236	238	238	238	238	5,955
KOSY	247	238	232	230	222	224	139	136	135	176	180	176	176	264	293	255	248	248	334	311	323	323	323	323	324	324	324	324	324	324	7,815
KOSY	7	6	3	3	3	3	2	2	2	3	3	6	6	6	6	6	8	8	9	9	9	8	8	8	8	10	10	9	9	9	177
KYLE & MORE	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	8	8	9	9	9	8	8	8	8	10	10	9	9	9	177
MILLSAPS	893	885	889	869	850	858	843	835	831	873	858	850	850	978	990	954	943	990	1100	1120	1080	1080	1070	1080	1080	1090	1080	1130	1120	1130	29,310
CLARK & EDWARDS	76	76	77	76	78	75	59	57	58	63	68	65	70	64	65	66	69	68	92	92	98	96	96	96	98	97	103	102	102	100	2,614
LONDER	37	36	34	34	35	32	40	8	8	8	8	38	44	42	40	44	42	36	40	41	41	42	42	39	40	37	85	54	54	51	1,116
JENNINGS	6	4	5	6	7	0	6	0	0	0	0	8	14	9	9	15	14	13	14	14	16	15	12	10	9	8	8	14	13	18	361
LA BELLE	139	126	132	131	129	130	132	129	130	73	72	71	76	73	72	79	78	72	143	144	174	169	168	161	144	144	148	176	175	177	3,767
CONSOLIDATED FEEDER	123	112	123	120	116	113	110	78	72	72	74	71	67	65	77	81	112	100	152	159	174	123	0	179	180	184	161	167	170	168	3,502
LEADBOT	123	118	148	116	126	121	113	110	109	114	99	121	112	99	99	116	125	110	163	170	211	181	204	211	184	172	175	174	176	147	4,204
REID	196	153	33	90	87	89	91	86	85	96	100	123	149	152	147	148	151	138	113	117	87	190	201	196	190	190	165	169	162	182	4,084
TEXAS FEEDER	345	297	251	315	279	257	293	261	230	236	270	209	232	214	220	230	313	257	245	214	248	293	351	359	321	308	304	299	351	315	8,442
NELSON COREY	18	12	8	2	2	10	8	3	14	16	22	22	19	17	18	33	28	21	21	28	45	38	32	44	37	34	39	38	33	43	645
HILL PETTINGER	0	0	0	0	0	0	0	0	0	3	3	3	3	2	3	4	5	4	4	5	6	6	6	6	5	5	5	5	6	6	94
MORGAN	10	7	8	8	8	6	6	4	6	6	6	6	4	4	4	4	6	6	8	8	8	8	8	8	8	8	8	8	8	8	191
ROSTAN	10	6	8	6	6	6	6	4	6	6	6	6	4	4	4	6	6	6	8	8	8	8	8	8	8	8	8	8	8	8	200
LONG ISLAND	327	338	308	343	334	324	300	272	245	244	323	299	260	232	245	407	424	430	440	448	435	449	451	447	469	445	461	457	490	496	11,223
ISLAND	188	166	152	135	153	157	138	104	91	89	133	111	102	85	91	140	166	141	145	197	222	196	199	207	196	192	196	193	195	199	4,691
RIGBY	203	183	191	191	138	138	137	136	135	134	76	72	72	129	165	178	180	208	216	239	238	225	217	227	232	242	247	249	203	202	5,144
SILTS	30	27	32	27	28	26	15	20	22	11	12	10	10	10	10	10	14	13	30	52	50	47	45	46	42	43	46	44	44	45	803
WEST LABELLE	44	70	108	110	110	113	114	122	121	120	126	117	115	113	113	119	121	107	122	142	151	134	117	122	114	134	140	140	135	137	3,438
PARKS & LENISVILLE	373	364	316	323	326	333	296	285	275	274	289	269	247	233	262	343	341	342	404	434	449	429	403	411	387	430	442	438	441	448	10,611
NORTH RIGBY	58	50	53	52	54	55	56	54	56	54	55	52	52	50	50	50	50	48	53	83	82	84	83	86	78	84	86	88	85	86	1992
WHITE	10	8	9	9	9	9	8	9	9	9	9	9	9	9	8	8	8	7	11	16	14	16	16	14	19	22	24	24	21	22	392
BRUMWELL	0	5	8	8	9	5	9	9	8	8	9	8	8	8	0	0	0	0	0	14	14	15	13	14	12	13	14	14	14	14	280
ELLIS	4	5	6	6	6	7	7	7	6	6	7	6	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95
INDEPENDENT	10	10	9	8	5	34	32	29	22	21	28	35	32	33	31	42	47	47	51	51	51	54	51	52	52	54	49	49	50	50	1080
BUTTE & MARKET LAKE	261	278	285	285	258	246	282	346	0	0	0	0	0	0	0	0	0	0	0	0	262	317	351	340	344	367	365	340	354	351	6329
SHEPPARD	4	4	4	4	0	0	0	0	0	0	4	4	4	4	0	0	4	4	4	4	4	0	4	4	4	4	4	4	4	4	84
BOSCO	99	97	96	95	90	99	99	100	100	98	99	100	99	98	97	99	100	101	101	101	103	102	107	104	101	100	100	101	101	101	2178
KENNEDY & BURGRAFF	10	10	10	10	9	9	9	10	11	11	10	11	12	11	11	11	11	12	12	11	11	11	11	10	10	10	10	10	10	10	314
BEAR ISLAND	1	1	1	1	0	1	1	1	1	1	5	5	5	5	5	5	5	5	6	6	5	4	5	5	4	4	4	4	4	4	102
IDAHO	695	695	686	624	632	658	319	346	308	378	430	422	324	405	470	459	565	669	760	804	805	822	817	836	826	843	838	820	819	802	20,055
GREAT WESTERN	358	347	340	334	346	324	306	310	305	306	302	317	312	310	340	388	426	439	434	436	436	435	444	443	440	425	420	412	396	394	10,442
PORTER	213	209	202	211	220	198	177	179	176	174	172	174	174	171	174	184	203	228	238	245	256	268	249	251	254	256	253	238	213	211	6,392
IDAHO FALLS CITY MAIN	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	142
WOODVILLE	78	75	78	69	67	69	68	67	66	66	67	66	66	66	68	63	65	76	73	90	94	85	98	106	103	103	103	107	101	101	2405
SNAKE RIVER VALLEY	495	516	480	450	419	369	361	334	353	369	383	385	382	377	374	407	501	615	667	714	750	767	702	786	796	796	691	655	647	623	16009
TOTAL DIVERSIONS HEISE TO WOODVILLE	7589	7358	7264	7165	6816	6582	6198	6091	5613	5740	5968	5900	5703	5974	6190	6445	7125	7328	8093	8501	9239	9212	9146	9347	9330	9379	9172	9041	9180	9221	234363
RESERVATION	687	670	636	611	620	598	413	404	375	383	390	390	418	465	447	560	614	632	630	654	760	810	803	772	682	668	776	776	761	710	18,249
BLACKFOOT	304	282	260	266	282	262	216	213	208	207	211	208	211	248	304	328	327	351	352	364	348	364	363	379	346	380	389	387	382	385	9,721
NEW LAVASIDE	142	141	136	132	129	126	126	124	123	119	120	122	123	119	134	134	137	176	183	206	214	199	190	165	169	164	162	162	160	158	4,415
PEOPLES	573	557	537	537	467	343	346	328	291	288	368	400	432	434	442	471	477	459	467	537	557	549	561	561	450	481	441	438	432	434	13,757
AMERICAN FALLS	860	780	390	0	0	0	0	186	432	608	803	838	869	875	875	892	923	925	950	973	978	1020	1040	1030	1090	1070	1090	1090	1090	1110	21,844
CORBETT	112	118	119	117	124	122	123	108	105	105	107	116	118	116	118	122	125	122	124	138	158	155	178	175	151	161	159	159	158	158	4021
NIELSEN HANSEN	18	17	14	11	11	5	4	3	3	3	4	3	4	5	5	5	5	5	5	5	5	5	5	5	5	16	16	16	16	16	464
RIVERSIDE	101	100	96	97	96	93	86	97	96	100	99	101	104	108	108	107	108	109	107	124	130	128	129	128	125	103	100	100	99	96	3,138
DANSKIN	194	192	163	174	171	118	118	114	109	144	143	149	142	140	137	149	147	138	148	165	167	181	191	208	205	193	197	199	197	181	4,987
TREGO	48	49	13	36	36	58	60	9	0	0	46	50	60	60	64	60	71	68	70	58	67	71	71	60	58	48	44	44	44	44	1384
MEARYRICK	45	45	43	43	41	41	41	40	41	41	42	41	41	42	42	41	47	47	47	54	54	60	57	58	54	53	52	52	52	52	1443
WATSON	113	112	109	106	106	103	102	102	101	101	98	96	96	130	126	125	126	126	119	140	144	142	148	150	142	134	134	134	137	137	3769
PARSONS	34	34	33	32	32	31	30	36	37	36	36	34	34	34	33	33	33	35	34	35	36	36	37	37	33	36	36	36	37	36	1092
TOTAL DIVERSIONS WOODVILLE TO BLACKFOOT	3250	3118	2569	2462	2117	1900	1687	1833	1947	2135	2465	2563	2664	2796	2898	3029	3173	3260	3369	3664	3946	3970	3955	3930	3920	3920	3826	3766	3682	3636	85458
SMITH MAXWELL	12	12	10	8	8	8	7	4	3	3	4	3	10	9	10	12	13	15	11	6	8	16	19	18	23	22	21	21	21	21	356
TOTAL DIVERSIONS BLACKFOOT TO CLOVERS	12	12	10	8	8	8	7	4	3	3	4	3	10	9	10	12	13	15	11	6	8	16	19	18	23	22	21	21	21	21	356
NORTH SIDE MINIDOKA	1490	1490	1460	1390	1380	1320	1210	1280	1210	1260	1270	1270	1270	1230	1180	1070	1090	1180	1170	1310	1450	1410	1440	1490	1460	1460	1490	1490	1490	1490	35940
SOUTH SIDE MINIDOKA	1050	1050	930	851	890	916	899	873	871	871	871	873	873	873	871	834	796	796	823	845	910	964	1000	1040	1020	1020	1020	1020	1020	1020	27880
TOTAL MINIDOKA CANALS	2540	2540	2410	2241	2270	2236	2169	2153	2081	2131	2141	2143	2143	2103	2051	1904	1886	1976	1993	2155	2360	2374	2440	2530	2480	2480	2510	2510	2510	2510	63820
PA LATERAL	53	53	53	53	54	54	54	54	53	53	53	49	53	53	54	54	53	53	53	53	49	53	53	53	52	53	53	53	53	53	1387
NORTH SIDE TWIN FALLS	3030	3030	3020	3000	3010	3020	3020	3020	3020	3020	3020	3010	3010	3010	3000	3000	3000	3010	3010	3000	2980	2940	2930	2920	2910	2900	2910	2910	2910	2910	90340
MILNER LOW LIFT	88	88	89	88	88	88	90	90	89	89	88	86	88	84	90	86	90	89	90	90	90	78	98	100	98	100	100	100	100	100	2719
SOUTH SIDE TWIN FALLS	3340	3300	3280	3230	3210	3220	3220	3220	3280	3080	3000	3460	3430	3140	3130	3070	3030	2950	2870	2860	2840	2830	2860	2870	2870	2870	2870	2870	2870	2870	94100
TOTAL TWIN FALLS CANALS	6411	6371	6442	6358	6362	6382	6384	6364	6242	6192	6064	6545	6291	6277	6224	6134	6073	6022	6033	5993	5977	5946	6053	6283	6260	6263	6283	6283	6283	6283	188754

U.S.R. DISTRIBUTION WATER DISTRICT NO. 36

PLATE NO. 21

DAILY DISCHARGE IN SECOND FEET OF CANALS DIVERTING FROM SNAKE RIVER FOR JULY 1925

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
NORTH SIDE	11	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	293
SUGAR	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	1116
BINGHAM	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	14570
EGIN, ROA & MILTON CREEK	334	330	326	310	294	280	282	286	282	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	8866
FARMERS FRIEND	192	190	188	186	184	180	178	176	174	172	170	168	166	164	162	160	158	156	154	152	150	148	146	144	142	140	138	136	134	132	130	4774
FARMERS FRIEND EXTENSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NILSON	22	22	21	21	20	19	20	20	19	19	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	574
MATTSON & CRAIG	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
ARMANDARIZ	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	186
ROSS & RAND	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	186
BUTLER ISLAND	60	60	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	1798
WELLS	60	60	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	1798
MORGAN	35	30	494	269	259	264	264	273	264	260	260	260	260	314	481	463	423	464	502	497	497	481	481	457	463	463	463	454	460	454	450	12516
MORGAN	8	8	6	6	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	240
GENEVA	238	230	226	97	97	97	103	106	95	92	240	238	234	228	236	233	230	238	236	252	252	250	248	246	246	245	21	78	82	83	85	5488
BOOMER	238	230	226	97	97	97	103	106	95	92	240	238	234	228	236	233	230	238	236	252	252	250	248	246	246	245	21	78	82	83	85	5488
ROSS	238	230	226	97	97	97	103	106	95	92	240	238	234	228	236	233	230	238	236	252	252	250	248	246	246	245	21	78	82	83	85	5488
KITE & NORD	1100	1080	1080	912	893	873	850	858	845	844	813	844	1120	1070	986	831	801	865	865	801	843	849	858	831	824	801	807	801	850	858	858	27811
BURGESS	102	103	100	96	94	97	96	97	95	82	85	93	103	102	97	78	68	72	70	70	70	70	70	70	71	74	74	91	93	105	107	2520
CLARK & EDWARDS	36	35	34	30	31	31	33	34	28	29	30	28	34	41	21	28	33	34	37	36	43	40	40	43	43	42	34	35	40	43	31	1145
LORDER	36	35	34	30	31	31	33	34	28	29	30	28	34	41	21	28	33	34	37	36	43	40	40	43	43	42	34	35	40	43	31	1145
JENNINGS	15	13	14	12	15	0	2	0	0	0	0	0	0	6	10	10	11	6	8	9	9	12	10	10	11	8	8	8	8	8	8	222
LA BELLE	186	184	184	183	183	141	144	135	128	113	99	172	191	191	143	144	149	143	145	144	144	144	144	144	140	136	142	142	141	141	138	4191
CONSOLIDATED FEEDER	159	161	134	140	116	99	116	102	85	132	121	127	146	154	153	149	170	152	159	168	158	152	150	139	132	141	141	149	149	140	145	4339
LINROOT	92	94	84	82	62	26	26	24	22	110	112	109	106	169	165	172	198	190	178	171	178	133	126	77	74	94	91	93	105	127	116	3470
REID	176	161	114	115	100	83	100	97	85	44	61	50	31	61	50	31	61	50	134	136	134	131	131	128	127	128	118	120	111	100	100	103	98	3515
TRASK FEEDER	409	406	334	308	308	291	298	281	291	189	179	162	125	117	145	218	293	252	247	241	234	225	241	225	216	201	194	186	184	181	182	7501
NELSON CAREY	4	4	3	3	3	2	2	2	2	2	2	2	2	2	2	3	3	4	4	4	4	4	4	3	3	3	3	3	3	3	3	104
HILL PETTINGER	8	8	7	7	7	7	7	7	7	6	6	6	8	8	10	5																152
MORGAN	8	8	6	6	6	6	13	13	12	12	12	12	12	8	12	6																
BOSTAN	479	474	353	353	347	339	335	339	328	308	312	301	317	351	339	324	391	445	442	432	448	442	421	412	402	396	378	376	381	380	408	11753
LONG ISLAND	191	197	187	186	182	172	182	174	174	161	160	154	183	171	133	145	181	185	186	187	185	180	163	178	185	178	169	188	192	197	199	5201
ISLAND	219	224	164	171	133	134	91	89	89	164	159	104	221	223	203	156	161	145	157	156	154	154	135	155	156	154	154	155	158	155	156	4852
RHOE	36	40	21	21	26	26	26	38	36	31	29	27	30	31	31	31	27	30	28	27	24	18	16	17	16	22	21	21	23	23	25	834
ELLIS	144	122	117	118	120	97	97	95	94	89	85	83	107	108	105	105	97	93	92	92	92	91	90	90	89	88	92	90	106	109	105	3077
WEST LA BELLE	442	408	361	364	265	249	241	219	225	347	350	313	400	409	391	365	354	351	328	328	328	324	324	298	285	282	335	345	341	343	345	9966
PARIS & LENIWILLE	460	408	361	364	265	249	241	219	225	347	350	313	400	409	391	365	354	351	328	328	328	324	324	298	285	282	335	345	341	343	345	9966
NORTH BRAE	92	86	87	81	54	37	31	67	44	62	39	71	60	70	64	52	49	44	42	47	46	44	44	46	46	46	46	46	46	46	46	1286
WHITE	26	28	6	6	6	6	11	8	7	10	10	21	17	15	13	6	6	6	6	6	6	9	5	5	5	6	6	6	6	6	6	256
BRAMWELL	14	14	5	5	5	5	5	5	7	9	9	8	9	7	10	9	8	8	8	8	8	9	5	5	5	6	6	6	6	6	7	194
ELLIS	9	7	5	5	5	5	5	5	4	3	3	3	4	3	4	5	6	6	6	6	6	5	5	5	5	6	6	6	6	6	6	158
INDEPENDENT	31	31	45	41	44	45	45	44	38	37	35	34	37	39	37	36	39	39	35	35	35	35	35	33	33	33	33	30	30	32	31	1115
BUTTE & MARKET LAKE	300	285	214	186	186	184	178	182	177	170	164	163	171	200	204	202	201	204	206	208	252	244	246	242	242	109	208	244	231	231	242	6800
SHEPPARD	4	4	0	0	3	4	3	4	0	0	0	0	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	90
OAKLEY	101	105	101	0	103	101	101	101	83	83	82	84	103	103	104	104	102	103	104	106	106	107	107	108	104	104	107	104	104	104	104	3074
KENNEDY & BURGRAFF	11	10	9	9	8	8	7	7	6	6	6	7	7	8	8	8	8	8	9	9	9	10	9	9	8	8	8	8	8	8	8	255
BEAR ISLAND	1	0	0	0	0	0	1	1	0	1	1	0	0	1	2	4	4	4	0	4	0	0	3	3	3	4	4	3	4	4	4	53
IDAHO	636	604	567	559	500	521	543	434	470	529	615	714	699	713	142	141	141	142	739	735	732	726	724	735	721	691	717	730	725	744	764	20630
GREAT WESTERN	382	372	359	350	362	365	362	362	378	395	408	413	408	413	414	416	247	0	0	0	270	472	474	472	442	442	441	460	456	460	440	11315
PORTER	216	167	147	144	169	169	167	172	167	204	214	209	231	266	202	230	128	0	0	0	145	213	242	240	244	244	248	246	264	264	244	6348
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	135
WOODVILLE	76	78	76	69	60	78	86	88	81	80	83	92	91	90	99	78	64	103	105	106	104	98	96	96	95	93	96	93	92	92	92	2756
SNAKE RIVER VALLEY	591	607	585	501	495	495	464	465	540	621	712	665	677	711	746	704	712	775	794	798	868	789	764	625	673	617	653	710	710	714	718	20085
TOTAL DIVERSIONS HEISE TO WOODVILLE	9139	8838	7949	7192	6671	6408	6172	6224	6226	7001	7462	7531	8352	8687	8235	7690	7617	7486	7528	7536	7776	8104	8113	7752	7687	7583	7802	8074	7968	8005	8080	234951
RESERVATION	750	702	683	624	604	587	568	596	620	596	620	636	647	618	573	561	598	607	582	604	590	584	609	622	615	601	601	592	585	601	616	18124
BLACKFOOT	555	505	506	282	529	544	231	242	246	511	508	524	524	395	377	365	389	371	351	376	356	355	352	345	303	281	347	345	356	354	354	11060
NEW LAVA SIDE	163	171	84	0	0	0	120	140	146	176	169	164	182	207	210	154	153	150	157	156	150	150	148	150	148	147	154	156	158	158	154	4385
PEOPLES	432	442	458	458	412	381	396	351	328	362	193	210	249	436	249	415	429	429	425	425	421	422	422	402	421	426	429	429	429	425	451	13425
AMERICAN FALLS	1110	1110	1090	1070	987	936	920	911	908	908	227	0	172	936	1010	1080	1110	1140	1140	1140	1140	1140	1120	1080	1090	1040	921	993	993	993	993	27393
GARRETT	157	168	155	154	114	114	113	115	106	112	110	108	116	124	138	122	155	156	141	158	151	150	112	131	135	138	132	137	146	150	149	4106
NIELSEN RANSEN	17	19	17	8	10	8	10	11	11	9	8	9	4	3	3	3	1	1	4	10	9	10	10	13	13	11	10	8	8	7	9	300
RIVERSIDE	112	106	106	105	98	98	96	110	91	81	151	150	117	131	118	105	106	106	108	100	100	100	98	101	99	98	100	100	99	99	100	3139
DARSTIN	197	165	140	136	133	135	105	148	144	149	181	178	165	196	187	184	181	184	173	184	180	180	180	171	167	184	182	180	183	178	177	5211
TREGO	68	71	70	67	73	72	69	69	58	58	69	61	64	58	54	50	50	49	45	42	41	41	41	42	42	42	42	43	43	43	43	1363
DEERTRAK	61	64	63	55	63	62	61	62	61	60	60	58	64	55	50	38	41	40	41	44	44	40	40	40	40	41	40	40	40	41	41	1356
WATSON	158	162	120	116	116	116	115	117	116	110	144	140	132	111	113	92	94	102	94	97	98	98	96	96	96	94	103	98	100	98	98	3388
PARSONS	35	36	35	34	34	34	34	35	35	34	32	33	33	33	33	23	23	22	23	23	21	21	21	22	22	22	22	22	22	22	22	713
TOTAL DIVERSIONS WOODVILLE TO BLACKFOOT	3591	3542	3301	3075	2880	2767	2821	2887	2836	2943	2750	2777	2837	3251	3331	3213	3277	3384	3352	3372	3328	3326	3276	3235	3169	3150	3084	3165	3161	3143	3111	96715
SMITH MAXWELL	26	27	29	27	28	27	27	24	9	6	4	3	3	3	3	2	1	2	9	9	10	10	9	10	10	8	7	10	12	5	9	305
TOTAL DIVERSIONS BLACKFOOT TO CLEVELAND	26	27	29	27	28	27	27	24	9	6	4	3	3	3	3	2	1	2	9	9	10	10	9	10	10	8	7	10	12	5	9	305
NORTH SIDE MINIDOKA	1490	1490	1490	1480	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1460	1350	1290	1250	1250	1290	1340	1340	1420	44710
SOUTH SIDE MINIDOKA	1070	1080	1080	1070	1070	1070	1070	1050	1040	1040	1040	1050	1050	1050	1040	1050	1050	676	1020	1050	1050	1050	1040	1030	1020	1040	1040	1030	1020	1020	1020	32046
TOTAL MINIDOKA CANALS	2560	2570	2570	2550	2560	2560	2560	2540	2530	2530	2530	2540	2540	2540	2530	2540	2540	2166	2510	2530	2540	2540	2500	2380	2310	2290	2290	2320	2360	2360	2440	76756
P.A. LATERAL	53	53	52	52	52	52	52	52	52	52	52	54	59	58	52	51	52	52	52	51	51	51	51	51	51	51	51	51	50	50	50	1605
NORTH SIDE TWIN FALLS	2990	2970	2950	2950	2940	2930	2940	2940	2910	2890	2890	2900	2900	2900	2900	2870	2890	2880	1840	848	2980	3020	3060	3100	3110	3120	3120	3110	3110	3070	3090	87018
MILNER LOW LIFT	97	104	76	104	105	104	105	104	105	106	101	106	106	103	100	101	95	100	98	98	85	96	99	103	104	104	104	104	104	106	106	3196
SOUTH SIDE TWIN FALLS	3510	3500	3490	3500	3500	3490	3520	3500	3530	3520	3570	3580	3590	3600	3580	3640	3570	3560	3550	3510	3560	3550	3550	3570	3530	3560	3560	3550	3570	3580	3570	107340
TOTAL TWIN FALLS CANALS	6450	6447	6368	6406	6397	6376	6397	6386	6397	6368	6413	6440	6449	6456	6452	6262	6427	6197	5340	4407	6476	6567	6580	6723	6635	6676	6675	6663	6680	6650	6659	197287

1925 DISTRIBUTION WATER DISTRICT NO 36

PLATE NO XX

DAILY DISCHARGE IN SECOND FEET OF CANALS DIVERTING FROM SNAKE RIVER FOR AUGUST 1925

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
RILEY	23	23	23	23	25	25	25	25	25	25	25	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	744
ANDERSON	344	343	343	343	344	344	342	341	341	340	338	337	337	336	336	335	335	334	334	334	334	334	334	334	334	334	334	334	334	334	334	10354
CABLE ROCK & WILLOW CREEK	530	530	530	528	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	16306
FARMERS FRIEND	184	183	184	180	177	176	176	176	180	181	183	178	178	178	182	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	5704
ENTERPRISE	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PATTISON & CRAIG	20	20	20	17	17	16	16	16	16	17	16	16	17	17	17	16	16	16	14	14	13	12	12	12	12	12	12	12	12	12	12	452
ARNOLD SOCK	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
ROSS & RAND	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	99
BUTLER ISLAND	35	35	35	34	34	34	34	33	43	32	32	32	32	33	41	41	41	39	37	36	40	37	37	35	41	40	39	43	43	42	41	1188
SWEET	3	3	3	3	3	3	3	3	4	4	4	4	4	4	6	6	6	6	6	6	14	13	14	13	13	13	13	4	4	4	4	204
HARRISON	463	460	460	457	450	454	449	441	393	436	438	438	438	438	414	411	378	364	364	349	342	340	340	350	350	350	349	287	292	287	287	12058
AGENCY	3	3	3	2	4	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	93
BOOMER	83	83	82	82	82	82	82	82	80	84	83	83	85	87	87	87	83	78	78	77	77	74	72	70	68	65	70	72	72	72	72	2324
RUDY	182	182	182	184	182	186	183	183	170	195	190	183	183	198	200	195	193	193	192	184	198	192	188	184	184	184	184	140	188	188	188	5831
KITE & NORD	9	9	9	9	9	9	8	7	8	8	8	8	8	9	9	9	8	8	8	6	5	5	4	4	5	5	5	5	5	5	5	211
BURGESS	850	763	858	858	847	771	755	776	744	735	729	736	740	736	744	736	736	729	729	729	740	736	725	736	735	740	739	735	690	599	599	23691
CLARK & EDWARDS	70	70	70	70	70	68	66	66	64	67	66	67	67	68	68	68	68	66	66	64	64	64	60	60	60	60	60	58	60	60	60	2010
LONDER	43	43	43	43	28	26	25	30	34	34	30	26	26	28	30	29	28	23	23	23	36	36	37	37	37	37	39	40	40	38	38	1064
JENNINGS	6	6	6	7	6	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	133
LA BELLE	137	136	134	134	90	93	91	88	72	127	132	132	135	136	96	122	118	114	109	102	93	92	79	79	77	79	112	82	84	90	82	3541
CONSOLIDATED FEEDER	120	180	122	100	128	118	135	134	125	135	125	126	114	92	74	60	80	84	71	63	58	72	72	84	92	93	98	64	66	70	77	3272
LENROOT	114	116	116	88	80	72	101	101	94	120	121	59	60	60	56	62	60	72	71	105	101	99	99	89	91	93	78	73	69	65	71	2616
REID	141	150	150	153	141	143	98	96	93	92	84	150	154	127	128	116	103	90	79	44	42	69	57	91	41	35	43	36	58	80	84	2846
TEXAS FEEDER	174	175	177	178	162	149	142	142	137	136	142	144	143	141	143	137	109	116	95	100	34	44	131	134	112	110	181	157	149	141	131	4295
NELSON COREY	18	19	18	17	16	19	19	19	13	19	16	18	18	19	18	19	16	15	8	4	3	2	15	11	10	11	13	13	15	13	15	422
HILL PETTINGER	3	2	0	0	2	2	2	3	2	2	3	2	0	0	0	0	2	3	2	2	1	1	2	2	3	1	1	0	0	0	0	42
LONG ISLAND	390	395	368	363	339	317	301	297	292	295	309	311	317	321	321	294	267	243	174	145	119	236	229	200	206	240	245	211	206	203	241	8587
ISLAND	136	198	194	164	150	132	129	129	128	123	127	131	131	132	138	123	101	94	59	26	22	60	42	35	82	76	91	77	73	74	72	3633
RIGBY	155	155	154	155	159	154	154	151	157	159	156	158	158	160	158	173	130	128	130	149	146	146	146	155	162	163	159	123	113	117	117	4373
DILLON	20	22	23	17	23	22	20	23	16	21	22	24	24	24	23	22	22	22	22	18	13	13	13	13	11	22	22	16	22	20	21	546
WEST LA BELLE	106	107	105	106	106	106	104	104	96	69	69	70	70	71	71	70	69	69	68	66	65	65	64	63	63	62	60	63	68	64	68	3408
PARKS & LENISVILLE	342	347	340	323	308	236	235	228	222	251	228	228	230	231	235	233	231	231	225	222	219	219	217	209	203	204	195	94	201	342	251	7597
NORTH RIGBY	50	50	50	50	50	51	50	49	48	52	52	50	50	51	52	52	50	50	48	45	43	44	43	43	43	44	43	48	48	50	49	1494
WHITE	8	7	7	7	7	7	7	7	7	8	8	8	8	8	6	6	6	6	5	5	4	4	4	4	4	4	4	6	6	6	6	192
BRADWELL	9	9	9	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	6	6	5	5	5	5	5	5	5	5	5	5	5	183
ELLIS	5	5	7	6	4	4	4	4	4	4	4	4	4	5	4	4	4	4	4	3	3	3	3	3	3	3	4	4	5	5	0	132
INDEPENDENT	29	28	28	27	27	25	24	25	25	23	25	28	28	30	22	21	20	20	17	15	13	13	13	12	15	15	16	14	16	18	16	633
BUTTE & MARKET LAKE	209	260	251	208	220	186	178	208	184	175	179	189	201	198	185	186	184	170	164	170	167	169	163	156	181	182	184	164	170	153	150	5810
SHEPPARD	0	0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	42
OSGOOD	80	82	81	80	81	80	80	80	80	82	81	80	76	78	78	78	76	76	75	74	73	73	73	73	73	73	73	73	73	73	73	2408
KENNEDY & BURGRAFF	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	6	6	6	6	6	210
BEAR ISLAND	3	4	4	3	4	0	0	0	0	0	0	3	3	3	3	3	3	3	3	3	0	0	4	4	4	4	4	4	4	4	0	90
TEANO	741	737	726	701	712	694	701	696	665	665	623	620	622	621	625	577	544	502	502	552	544	589	584	589	589	580	579	550	561	548	591	18678
GREAT WESTERN	443	443	422	420	408	398	395	389	388	388	383	386	377	376	381	380	376	382	378	376	376	376	382	384	384	371	377	374	364	359	348	11643
PORTER	241	241	238	236	235	235	240	238	234	237	234	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	233	7223
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
WOODVILLE	86	85	85	85	85	81	83	83	89	89	89	88	89	89	89	89	89	89	89	89	88	89	89	89	89	89	89	89	89	89	89	2759
SNAKE RIVER VALLEY	679	589	605	623	617	611	603	603	603	603	561	553	559	559	569	502	497	491	486	501	559	550	559	571	573	573	573	573	482	459	422	16767
TOTAL DIVERSIONS HEISE TO WOODVILLE	7921	7941	7760	7633	7459	7170	7015	7036	6775	6933	6902	6903	6982	6986	6961	6302	6087	5870	5620	5963	5905	5789	5783	5902	6044	5988	6085	6410	5746	5565	5532	200781
RESERVATION	603	599	598	596	578	573	588	577	577	599	601	576	590	601	594	575	554	560	573	568	573	594	591	586	590	588	586	578	631	620	598	17976
BLACKFOOT	333	338	338	298	277	265	251	276	273	270	280	281	271	265	271	253	248	200	257	250	248	248	270	259	259	251	254	258	255	275	279	8160
NEW LAVA RIDGE	156	153	156	153	152	148	152	155	152	156	154	153	152	153	153	145	135	117	142	140	139	144	141	141	140	143	144	146	147	143	143	4606
GOODEL	408	405	407	402	413	413	414	359	341	339	404	385	362	362	364	358	351	336	328	324	318	322	341	345	342	340	339	340	341	355	364	11036
AMERICAN FALLS	923	920	885	870	870	878	873	878	886	864	849	873	777	777	774	742	701	682	679	679	682	682	679	660	679	679	652	655	681	657	655	24610
CORBETT	149	147	136	136	111	110	110	112	107	107	120	117	115	115	111	110	112	111	119	117	107	100	94	91	87	90	104	86	89	0	0	3417
NIELSEN HANSEN	13	13	15	10	7	5	4	6	5	6	6	8	4	4	7	11	10	10	8	5	4	0	6	6	6	6	0	4	13	13	0	214
RIVERSIDE	98	97	100	96	96	92	99	88	96	98	100	97	96	96	98	94	90	88	88	94	98	98	96	95	94	98	96	96	98	94	85	2963
BERKSHIRE	135	138	142	143	148	140	138	136	173	174	173	176	176	185	179	154	143	144	140	134	131	140	140	135	134	138	142	146	137	140	138	5097
TYLER	58	57	64	61	54	53	44	45	51	52	60	60	62	56	63	55	52	51	51	55	56	54	54	54	54	54	54	46	58	56	54	1846
HEARTRUK	40	41	41	40	40	39	38	40	40	40	40	39	39	41	39	38	38	37	37	39	39	38	38	37	37	37	36	36	38	40	38	1401
WATSON	97	98	95	96	93	94	92	103	98	96	97	98	100	98	97	98	97	96	95	91	87	96	98	89	89	103	96	98	97	92	91	3263
PARSONS	23	21	21	20	20	21	22	22	21	21	22	23	22	21	21	22	23	21	21	20	20	21	21	21	20	20	21	22	23	23	22	687
TOTAL DIVERSIONS WOODVILLE TO BLACKFOOT	3079	3049	3012	2947	2890	2861	2886	2820	2818	2816	2903	2830	2774	2787	2767	2673	2561	2475	2489	2579	2548	2515	2541	2474	2487	2462	2477	2566	2617	2556	2450	83670
SMITH MAXWELL	9	8	9	9	9	6	9	2	2	1	2	3	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71
TOTAL DIVERSIONS BLACKFOOT TO CLOUDS	9	8	9	9	9	6	9	2	2	1	2	3	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71
NORTH SIDE MINIDOKA	1400	1370	1370	1360	1350	1380	1430	1430	1430	1420	1430	1430	1430	1350	1350	1240	1240	1190	1190	1190	1330	1340	1340	1350	1340	1360	1370	1370	1360	1360	1360	41630
SOUTH SIDE MINIDOKA	1030	1040	1030	1020	997	980	959	939	937	946	953	959	959	916	882	857	837	799	810	837	873	896	904	916	933	939	935	909	933	899	903	28805
TOTAL MINIDOKA CANALS	2430	2410	2400	2380	2347	2360	2389	2369	2367	2366	2383	2389	2389	2266	2232	2097	2077	1989	2000	2027	2203	2236	2244	2266	2273	2299	2305	2279	2293	2259	2263	70435
P.A. LATERAL	50	51	51	51	51	51	51	51	51	51	51	49	42	31	32	32	32	32	32	32	32	32	31	30	30	29	29	29	28	28	28	1245
NORTH SIDE TWIN FALLS	2960	2990	2930	2870	2870	2700	2930	2890	2730	2740	2730	2730	2670	2580	2560	2560	2540	2530	2530	2440	2510	2580	2500	2510	2520	2520	2520	2520	2520	2520	2520	80580
MILNER LOW LIFT	85	0	0	61	103	90	95	100	100	101	90	96	16	0	71	90	85	82	86	82	86	86	86	86	86	70	86	86	85	86	0	2320
SOUTH SIDE TWIN FALLS	3360	3390	3400	3380	3400	3410	2950	3410	3370	3300	3320	3320	3320	3320	3320	3320	3280	3200	3190	3170	3010	2990	2930	2960	2980	2930	2930	2940	2950	2940	2940	78410
TOTAL TWIN FALLS CANALS	6455	6391	6381	6388	6424	6451	6030	6451	6291	6132	6791	6125	6008	6041	6023	6022	5967	5874	5868	5784	5738	5568	5438	5477	5516	5536	5519	5505	5553	5554	5544	183715

ADMINISTRATION SNAKE RIVER DISTRICT NO 36 — PLATE NO 35

DAILY DISCHARGE IN SECOND FEET OF CANALS DIVERTING FROM SNAKE RIVER FOR SEPTEMBER 1925

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	20	20	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	589
MILNER	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	13950
MILNER & KASEN CREEK	570	570	570	570	570	570	570	570	570	570	570	570	570	570	570	570	570	570	570	570	570	570	570	570	570	570	570	570	570	570	570	17670
FARMERS FRIEND	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	5270
CLEARWATER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KASEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JEFFERSON & CRAIG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANDERSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BIRD & 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STELLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARKINS	230	228	225	215	200	192	178	164	165	166	169	172	174	177	177	175	172	170	168	172	172	170	168	172	172	170	168	172	172	170	168	5270
CARNEY	4	4	3	2	2	1	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CARNEY	34	34	33	33	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	1000
BOYDEN	144	140	134	127	121	115	110	103	104	105	109	114	119	124	121	119	116	107	98	97	96	95	94	93	92	91	90	89	88	87	86	3100
BOYDEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELLIS & NORD	599	599	586	573	559	546	532	519	506	492	479	466	452	439	426	412	399	386	372	359	346	332	319	306	292	279	266	252	239	226	212	12000
BURGESS	60	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	1400
CLARK & EDWARDS	60	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	1400
LORDER	30	30	31	33	28	22	17	12	11	10	9	8	7	6	5	4	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
JENNINGS	2	2	1	0	0	0	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	0
LA BELLE	81	80	79	66	54	46	34	24	34	41	49	57	65	73	70	67	63	61	64	55	52	53	54	55	56	57	58	59	60	61	62	1800
CONSOLIDATED FEEDER	73	69	65	60	55	50	46	40	34	27	20	14	24	34	43	53	44	44	40	36	31	26	25	24	28	32	35	38	42	45	46	1245
LENROOT	70	69	68	67	65	64	62	58	53	48	44	39	37	36	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	1400
BLISS	70	69	68	66	63	59	55	52	50	49	48	46	44	42	41	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	1400
TEXAS FEEDER	164	142	119	136	131	117	96	75	53	42	26	9	8	7	6	5	4	3	2	1	0	0	0	0	0	0	0	0	0	0	0	1000
NELSON COREY	13	14	17	19	12	8	5	4	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200
NILL PETTINGER	7	7	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LONG ISLAND	211	211	211	199	186	173	161	154	144	134	111	87	62	41	36	30	86	100	114	129	144	158	173	187	202	216	231	245	260	274	289	4500
ISLAND	153	151	161	143	125	105	87	69	61	53	42	30	19	8	13	20	27	34	41	48	55	62	69	76	83	90	97	104	111	118	125	2000
RIDGE	118	113	103	81	72	57	41	25	26	31	100	104	107	110	121	131	142	143	144	135	126	117	108	99	90	81	72	63	54	45	36	2000
RIDGE	7	18	13	12	9	6	3	0	0	0	0	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	300
WEST LA BELLE	68	60	51	43	35	27	18	10	26	43	44	46	45	46	47	48	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	1600
PARKS & LENOVILLE	227	203	183	163	143	123	103	83	114	146	150	155	160	164	162	160	158	153	148	143	138	133	128	123	118	113	108	103	98	93	88	4000
NORTH RIDGE	50	50	49	35	21	25	18	12	14	17	18	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	1000
WHITE	6	6	6	5	4	3	2	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	150
BRAMWELL	6	6	6	6	7	5	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
ELLIS	2	2	2	3	4	3	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
INDEPENDENT	15	13	14	14	13	13	13	13	12	12	11	10	10	9	8	8	9	8	8	9	10	10	10	11	11	12	12	13	13	14	14	350
BOYLE & MARKET LAKE	151	152	153	151	49	146	144	142	140	139	138	137	135	134	132	134	35	136	136	137	138	139	134	75	125	118	113	101	89	97	98	3892
SHEPHERD	0	0	0	0	0	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
GOOCH	76	77	77	54	25	32	37	74	73	74	75	76	75	75	74	73	72	73	73	74	75	76	77	78	79	80	81	82	83	84	85	2300
KENNEDY & BURGRAFF	8	8	9	9	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	240
BEAR ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TWIN	370	375	382	381	356	369	374	386	439	448	443	443	445	446	447	448	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	12995
GREAT WESTERN	340	340	346	356	363	360	354	350	348	346	344	342	340	338	336	334	332	330	328	326	324	322	320	318	316	314	312	310	308	306	304	9600
PERRIN	143	134	130	123	116	110	103	96	89	82	75	68	61	54	47	40	33	26	19	12	5	2	3	4	5	6	7	8	9	10	11	1000
IDAHO FALLS CITY MAIN	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	120
WOODVILLE	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	2070
SNAKE RIVER VALLEY	424	424	425	424	424	424	420	421	407	401	401	384	383	382	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	388	12000
TOTAL DIVERSIONS MILNER TO WOODVILLE	3678	3604	3742	3710	3405	3442	3396	3367	3435	3716	3672	3857	3928	3978	3936	3896	3849	3847	3870	3882	3826	3781	3744	3719	3709	3693	3653	3782	3844	3739	3789	114462
RESERVATION	590	534	516	521	540	532	518	500	498	480	523	487	479	470	474	477	480	483	484	477	470	463	456	449	442	435	428	421	414	407	400	14000
BLACKFOOT	209	208	208	207	198	190	182	173	165	158	151	144	137	130	135	138	141	144	147	150	153	156	159	162	165	168	171	174	177	180	183	5000
NEW LAVASIDE	148	146	143	140	138	135	118	113	118	116	114	115	110	108	103	103	103	103	104	105	106	107	108	109	110	111	112	113	114	115	116	3000
PIONEER	335	330	328	325	324	320	317	312	310	308	305	303	302	301	300	299	298	297	296	295	294	293	292	291	290	289	288	287	286	285	284	9000
AMERICAN FALLS	635	634	634	631	640	630	625	625	623	623	620	620	620	620	620	620	620	620	620	620	620	620	620	620	620	620	620	620	620	620	620	19000
CORBETT	101	96	92	87	82	86	79	76	74	73	71	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	2700
NIELSEN HANSEN	10	10	10	10	8	7	5	4	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RIVERSIDE	95	96	100	103	106	103	100	97	94	96	90	88	83	79	74	70	68	74	80	86	92	98	104	110	116	122	128	134	140	146	152	3000
CANYON	160	155	149	137	132	126	119	112	106	100	113	110	107	104	101	103	105	107	109	111	113	115	117	119	121	123	125	127	129	131	133	3500
TWIN	37	37	36	36	36	38	38	44	40	39	37	36	34	32	30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0	0	1000
HENRYRICH	41	41	40	40	39	38	36	34	32	31	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	1000
WATSON	94	90	87	85	87	88	87	85	85	85	87	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	2500
PARKINS	85	32	29	32	31	31	30	30	30	30	30	29	29	29	29	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	1000
TOTAL DIVERSIONS WOODVILLE TO BLACKFOOT	2514	2461	2388	2369	2344	2297	2244	2188	2077	2069	2077	2014	1969	1879	1844	1799	1769	1778	1689	1694	1688	1648	1638	1635	1617	1614	1596	1596	1596	1596	1596	53360
SMITH MAXWELL	2	2	2	2	3	3	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
TOTAL DIVERSIONS BLACKFOOT TO KLEINING	2	2	2	2	3	3	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
NORTH SIDE MINIDOKA	1300	1280	1280	1280	1300	1290	1270	1110	1100	1060	993	967	937	909	877	877	893	941	873	858	830	834	868	843	846	862	851	866	858	865	865	25870
SOUTH SIDE MINIDOKA	850	862	862	862	840	840	815	790	677	693	679	672	630	598	552	528	520	535	515	515	517	515	515	515	515	515	515	515	515	515	515	15930
TOTAL MINIDOKA CANALS	2150	2142	2142	2142	2140	2130	2085	1900	1777	1753	1672	1639	1567	1507	1429	1405	1413	1476	1388	1373	1347	1349	1383	1358	1361	1377	1366	1381	1373	1380	1380	41800
SE LATERAL	48	48	49	48	48	48	48	48	48	36	32	32	32	32	32	32	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	880
NORTH SIDE TWIN FALLS	2210	2210	2210	2210	2220	2230	2220	2240	2230	2230	2230	2240	2240	2240	2210	2190	2170	1990	1870	1840	1840	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	57200
MILNER LOW LIFT	84	86	84	88	88	64	54	48	50	54	48	54	54	62	64	64	64	64	54	52	52	54	54	54	54	54	54	54	54	54	54	1700
SOUTH SIDE TWIN FALLS	2960	2930	2930	2940	2950	2950	2940	2900	2850	2830	2810	2694	2590	2550	2500	2490	2460	2410	2360	2300	2260	2260	2260	2260	2260	2260	2260	2260	2260	2260	2260	69000
TOTAL TWIN FALLS CANALS	5344	5336	5372	5336	5306	5272	5262	5242	5182	5140	5016	4966	4916	4884	4806	4786	4756	4464	4284	4192	4152	4184	4184	4184	4184	4184	4184	4184	4184	4184	4184	128080

south fork or main river during the period from May 1 to September 30, 1925 i. 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 throughly 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 been observed mean discharges have been recorded. Daily summaries showing the total diversions between river gaging stations have also been included.

River riders were employed continuously from June 1 to August 31 inclusive and for this period records are based upon daily readings at each station. Data for May depend upon gage heights or estimates made every alternate day while the September discharges are computed from less regular and generally less frequent readings with interpolations or estimates used for intervening dates.

No data were secured for the Sheppard canal during May and nothing was recorded for the Morgan and Rosten canals after the small river channel on which their headings are located was dammed off on July 16, following which only waste water from adjacent canal systems was utilized.

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 represent 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
54	Blackfoot (Cloughs)	Day ending at 10 a.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 six 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.

...ES DISTRIBUTION WATER DISTRICT NO 36

DATE	JACKSON LAKE			MORAN				TWIN LK	
1925	GAGE	CAPACFT	DRAFTAF	GAGE	DISC	STD	NOR	DISC	MORAN
APR 29	43.80	259370		0.35	50				
30	43.91	261640		0.35	50				
MAY 1	44.05	264550		0.36	52				
2	44.26	268950		0.36	52				
3	44.51	274190		0.36	52				
4	44.78	279840		0.36	52				
5	45.10	286570		0.36	52				
6	45.45	293990		0.36	52				
7	45.86	302690		0.35	50				
8	46.22	310380		0.35	50				
9	46.55	317460		0.34	49				
10	46.90	324970		0.32	45				
11	47.27	332980		0.32	45				
12	47.60	340140		0.32	45				
13	47.96	347950		0.32	45				
14	48.35	356500		0.32	45				
15	48.78	365920		0.32	45				
16	49.22	375620		0.40	60				
17	49.69	386030		0.60	108				
18	50.24	398270		0.60	108				
19	50.86	412130		0.59	105				
20	51.68	430600		0.54	92				
21	52.61	451690		0.49	80				
22	53.36	468800		0.45	71				
23	54.03	484160		0.45	71				
24	54.71	499860		0.53	90				
25	55.38	515380		0.54	92				
26	56.05	530960		0.57	100				
27	56.75	547340		0.68	131				
28	57.49	564730		0.70	137				
29	58.32	584340		0.98	234				
30	59.19	605010		1.10	282				
31	59.97	623640		0.85	186				
JUN 1	60.58	638300		0.70	137				
2	61.09	650580		0.46	73				
3	61.54	661480		0.37	54				
4	61.95	671410		0.38	56				
5	62.34	680910		0.42	64				
6	62.71	689930		0.40	60				
7	63.07	698720		0.48	78				
8	63.42	707320		0.48	78				
9	63.79	716400		0.38	56				
10	64.21	726150		0.37	54				
11	64.58	735900		0.35	50				
12	64.92	744310		0.33	47				
13	65.24	752260		0.36	52				
14	65.60	761220		0.37	54				
15	66.04	772190		0.42	64				
16	66.50	783720		0.49	80				
17	66.90	793760		0.42	64				
18	67.35	805110		0.48	78				
19	67.84	817480		H.D.	956				

DATE	HEISE					MORAN-HEISE				LORENZO		H-L		RE...BUR
1925	GAGE	DISCH	+RILEY	STD	TLK	NOR	TOT GN	L STD	L TL	GN NOR	STD	T LK	L STD	L TL	GAGE	DIS
APR 30	4.03	7470	7470				7420								6.0	29
MAY 1	4.34	8520	8520				8470								6.2	34
2	4.62	9540	9540				9488								6.4	39
3	5.09	11350	11350				11298								7.0	44
4	5.37	12490	12490				12438								8.0	51
5	5.46	12860	12860				12808								8.3	55
6	5.67	13730	13730				13678								8.5	58
7	5.97	15000	15000				14948								8.8	64
8	6.42	16930	16930				16880								9.2	71
9	6.06	15380	15380				15330								9.5	72
10	5.90	14700	14700				14651								8.9	67
11	6.06	15380	15380				15335								8.8	64
12	6.14	15730	15730				15685								8.8	66
13	5.93	14830	14830				14785								9.2	71
14	6.05	15340	15340				15295								9.4	72
15	6.18	15900	15902				15857								9.10	73
16	6.34	16800	16803				16758								9.11	76
17	6.38	17200	17203				17143								9.11	78
18	6.52	18030	18033				17925								9.12	79
19	6.82	19620	19622				19514								9.14	80
20	7.04	20840	20840				20735								9.11	82
21	7.53	23280	23290				23178								9.11	84
22	7.83	24660	24680				24600								9.13	87
23	7.34	22410	22431				22360								9.11	87
24	7.02	20970	20992				20921								9.9	84
25	7.04	21060	21086				20996								9.9	82
26	6.95	20660	20689				20597								9.9	79
27	6.96	20700	20730				20630								9.14	76
28	7.06	21150	21182				21051								9.12	73
29	7.21	21820	21854				21717								8.12	70
30	7.45	22910	22946				22712								8.11	67
31	7.56	23420	23456				23174								8.12	67
JUN 1	7.21	21820	21856				21670								8.11	66
2	6.65	19310	19343				19206								8.11	62
3	6.27	17640	17671				17598								8.11	57
4	5.99	16420	16448				16394								8.8	56
5	5.77	15470	15496				15440								7.11	49
6	5.64	14910	14920				14856								7.8	46
7	5.41	13940	13945				13885								7.11	50
8	5.27	13350	13354				13276								7.8	48
9	5.16	12900	12907				12829								7.8	47
10	5.26	13310	13317				13261								7.11	52
11	5.48	14240	14264				14210								7.8	49
12	5.34	13650	13665				13615								7.8	50
13	5.22	13140	13154				13107								6.11	50
14	5.13	12770	12798				12746								6.11	50
15	5.27	13350	13364				13310								6.11	54
16	5.51	14360	14369				14305								6.11	55
17	5.59	14700	14725				14645								7.8	44
18	5.42	13980	14005				13941								7.8	46
19	5.46	15000	15026				14948								6.11	54
20	6.17	17200	17233				16277								6.11	53

DAILY SUMMARY OF DATA AT AND BETWEEN SNAKE RIVER GAGING STA

XBURG		HEISE RIVER	DATE	DIV HEISE-WOOD				WOODVILLE				LOR-WOOD		HEISE-WOODVILLE				DIV WOOD BLACK	BLACK	BLACKFOOT BRIDGE				WOOD-BLACK			BLACK	CUM LOSS STD	CORR APP STD	BLACK RIVER			
E	DISC	REXBURG	1925	TOTAL	STD	TLK	NOR	TH BAL	GAGE	DISCH	STD	NOR	LSSTD	LTL	TOTGN	LSTD	LTL	GNNOR	BLACK	TH BAL	DISCH	STD	NOR	TOTGN	LSTD	GNNOR				GAGE	DISC	BLACK	
3	2970	10440	MAY 1	851				9589	8.01	9720					131				885	8835										7.50	505		
2	3410	11930	2	939				10991	8.32	10840					- 151				1070	9770										7.0	416		
0	3940	13480	3	1031				12449	8.62	11960					- 489				1164	10796										6.95	407	15437	
1	4460	15810	4	1151				14659	9.14	13930					- 729				1214	12636										6.95	407	16867	
0	5170	17660	5	1264				16396	9.57	15600					- 796				1438	14162										6.80	382	18952	
0	5550	18410	6	1399				17011	9.75	16300					- 711				1605	14695										7.70	541	18921	
0	5830	19560	7	1516				18044	9.95	17080					- 964				1759	15321	15030			- 291						7.50	505	17275	
3	6400	21400	8	1579				19821		19460					- 361				1798	17662	16460			-1202						7.20	451	16611	
6	7190	24120	9	1789				22331	11.14	21830					- 501				1829	20001	18570			-1431						6.50	330	16690	
6	7290	22670	10	2105				20565	10.99	21230					665				1815	19415	18380			-1035						6.30	293	16283	
3	6700	21400	11	2636				18764	10.51	19310					546				1827	17483	16770			- 713						6.15	260	16900	
2	6460	21840	12	2763				19077	10.35	18670					- 407				1823	16847	16360			- 487						5.97	214	17324	
8	6620	22350	13	2933				19417	10.39	18830					- 587				1795	17035	16360			- 675						6.32	297	18257	
25	7130	21960	14	2929				19031	10.27	18350					- 681				1795	16555	15990			- 565						6.40	312	18842	
08	7260	22600	15	2943				19657	10.47	19150					- 507				1894	17256	16640			- 616						6.15	260	19140	
10	7380	23282	16	3946				19936	10.59	19630					- 306				1935	17695	17110			- 585						5.55	126	19676	
21	7600	24403	17	3429				20974	10.77	20350					- 624				1914	18436	17960			- 476						5.40	102	20432	
31	7810	25013	18	3992				21621	10.95	21070					- 551				1937	19133	18530			- 603						5.73	160	22230	
32	7920	25953	19	3546				22407	11.04	21430					- 977				1977	19453	18880			- 573						5.8	175	24035	
34	8040	27662	20	3821				23841	11.25	22270					-1571				2128	20142	19550			- 592						5.70	154	23204	
41	8220	29060	21	4044				25016		24050					- 966				2342	21708	20330			-1378						5.52	121	21551	
49	8400	31690	22	4229				27461	12.12	25830					-1631				2510	23320	22070			-1250						5.30	88	20338	
69	8740	33420	23	4506				28914	12.47	27270					-1644				2650	24620	23860			- 760						4.80	40	19830	
79	8970	31401	24	4729				26612	12.31	26610					- 62				2610	24000	23050			- 950						4.60	26	18506	
67	8660	29652	25	5128				24524	11.93	25050					526				2572	22478	21430			-1048						4.30	10	17170	
45	8250	29336	26	5698				23638	11.65	23900					262				2729	21171	20250			- 921						6.52	334	17784	
39	7920	28609	27	6232				22377	11.32	22550					173				2908	19642	19790			148						6.65	356	18726	
14	7610	28340	28	6683				21657	11.07	21550					- 107				3073	18477	18480			3						6.75	373	19613	
02	7320	28502	29	7371				21131	10.99	21230					99				3224	18006	17160			- 846						6.08	242	18372	
87	7010	28864	30	7643				21221	11.03	21390					169				3241	18149	17450			- 699						5.93	204	16684	
81	6790	29736	31	7627				22109	11.23	22190					81				3229	18961	18370			- 591						5.99	219	14699	
72	6750	30206	JUN 1	7589				22617	11.46	23130					513				3250	19880	19240			- 640						6.02	226	13606	
77	6660	28516	2	7358				21158	11.21	22110					952				3118	18992	18130			- 862						6.18	267	13037	
71	6220	25569	3	7264				18299	10.55	19470					1171				2569	16901	16480			- 421						7.20	451	12761	
37	5700	23371	4	7163				16208	9.98	17200					992				2162	15038	14480			- 558						7.02	419	12335	
05	5190	21638	5	6816				14822	9.63	15840					1018				2117	13723	13380			- 343						6.74	371	11921	
82	4950	20446	6	6582				13864	9.39	14900					1036				1900	13000	12770			- 230						7.26	442	10382	
68	4800	19720	7	6198				13522	9.20	14160					638				1687	12473	12310			- 163						6.85	390	9870	
91	5040	18985	8	6091				12894	9.05	13590					696				1833	11757	11910			153						6.25	263	10105	
68	4800	18154	9	5613				12541	8.91	13060					519				1947	11113	10950			- 163						5.88	193	9563	
28	4250	17157	10	5740				11417	8.66	12110					693				2135	9975	9920			- 55						5.38	100	8610	
11	3950	17267	11	5968				11299	8.60	11880					581				2465	9415	9480			65						5.31	90	7766	
24	4080	18344	12	5900				12444	8.75	12450					6				2543	9907	9820			- 87						5.10	66	7696	
14	3980	17645	13	5703				11942	8.65	12070					128				2664	9406	9350			- 56						5.53	123	8235	
33	3670	16824	14	5974				10850	8.44	11290					440				2796	8494	8510			16						5.61	137	8271	
57	3430	16328	15	6196				10032	8.28	10700					668				2898	7802	7670			- 132						5.40	102	6923	
60	3440	16804	16	6642				10162	8.30	10770					608				3029	7741	7630			- 111						4.50	20	6120	
96	3830	18177	17	7423				10776	8.50	11510					734				3178	8337	8110			- 227						4.40	26	7636	
58	4490	19215	18	7828				11387	8.55	11700					313				3226	8474	8140			- 334									
55	4490	18495	19	7093				9402	8.22	10470					1068				3249	7201	6820			- 381									
72	3930	18956	20	9501				9455	8.08	9970					515				3464	6506	6100			- 406									
12	3160	20293	21	9739				11254	8.51	11550					296				3648	7202	7610			- 292									

RIVER GAGING STATIONS FROM JACKSON LAKE WYOMING TO MILNER IDAHO

BLACK DIGNNOR	CUM LOSS STD	CORR APP STD	BLACK RIVER GAGE	BLACK RIVER DISC	BLACK RIVER BLACK	S-M CAN	CLOUGH TH BAL	CLOUGHS GAGE	CLOUGHS DISCH	CLOUGHS STD	CLOUGHS NOR	B-C GAIN
						1		6.61	8480			
						1		6.92	9440			
						1		7.24	10500			
						1		7.73	12230			
			7.50	505		1		(8.07)	13510			
			7.0	416		1			14480			
			6.95	407	15437	1	15436		15450			14
			6.95	407	16867	1	16866	(8.80)	16420			-446
			6.80	382	18952	1	18951	9.42	19030			79
			7.70	541	18921	1	18920	9.36	18770			-150
			7.50	505	17275	1	17274	8.90	16830			-444
			7.20	451	16811	1	16810	8.79	16380			-430
			6.50	330	16690	1	16687	8.72	16090			-599
			6.30	293	16283	12	16271	8.68	15930			-341
			6.15	260	16900	17	16883	8.84	16580			-303
			5.97	214	17324	17	17307	8.97	17120			-187
			6.32	297	18257	17	18240	9.19	18050			-190
			6.40	312	18842	18	18824	9.34	18680			-144
			6.15	260	19140	20	19120	9.41	18980			-140
			5.55	126	19676	24	19652	9.53	19650			-2
			5.40	102	20432	25	20407	9.71	20550			143
			5.73	160	22230	26	22204	10.16	22670			466
			5.8	175	24035	14	24021	10.53	24470			449
			5.70	154	23204	15	23189	10.36	23720			531
			5.52	121	21551	14	21537	9.96	21970			433
			5.30	88	20338	13	20325	9.67	20720			395
			4.80	40	19830	14	19816	9.28	19060			-756
			4.60	26	18506	13	18493	9.05	18070			-403
			4.30	10	17170	20	17150	8.98	17800			650
			4.52	334	17784	20	17764	9.08	18220			456
			4.65	356	18726	20	18706	9.33	19270			564
			4.75	373	19613	12	19601	9.52	20080			479
			6.08	242	18372	12	18360	9.24	18890			530
			5.93	204	16684	10	16674	8.77	16930			256
			5.97	219	14699	8	14691	8.35	15220			529
			6.02	226	13606	8	13598	8.04	14000			402
			6.18	267	13037	8	13029	7.92	13530			501
			7.20	451	12761	7	12754	7.81	13110			356
			7.02	419	12329	4	12325	7.54	12100			-225
			6.74	371	11321	3	11318	7.37	11480			162
			7.26	462	10382	3	10379	7.07	10440			61
			6.85	390	9870	4	9866	6.88	9800			-66
			6.25	283	10103	3	10100	6.97	10100			0
			5.88	193	9543	10	9533	6.74	9350			-183
			5.38	100	8610	9	8601	6.49	8570			-31
			5.31	90	7760	10	7750	6.26	7880			130
			5.10	66	7696	12	7684	6.25	7860			176
			5.53	123	8233	13	8220	6.42	8360			140
			5.61	137	8277	15	8262	6.37	8210			-52
			5.40	102	6922	11	6911	5.89	6850			-61
			4.50	20	6120	4	6116	5.72	6400			284
			4.60	26	7636	8	7628	6.27	7910			282

DATE 1925	NEELEY GAGE	NEELEY DISCH	NEELEY STD	NEELEY NOR	C-N GAIN	DATE 1925	LAKE WALCOTT GAGE	LAKE WALCOTT CAPAFT	LAKE WALCOTT DRAFT	NSMINC GAGE	NSMINC DISCH
May 2	6.92	11870			3390	May 3	45.18	97350	- 666	9.41	1490
3	7.15	12800			3360	4	45.32	99040	- 852	9.20	1440
4	7.40	13850			3350	5	45.44	100490	- 731	9.12	1420
5	7.73	15280			3050	6	45.48	100970	- 242	9.32	1470
6	8.03	16630			3120	7	45.46	100730	121	9.33	1470
7	8.10	16950			2470	8	45.33	101570	- 424	9.40	1490
8	8.28	17790			2340	9	45.55	101810	- 121	9.37	1490
9	8.58	19210			2790	10	45.62	102660	- 429	9.32	1490
10	8.97	21140			2110	11	45.41	100130	1276	9.20	1440
11	9.08	21700			2930	12	45.34	99280	429	8.65	1300
12	8.72	19900			3070	13	45.45	100610	- 670	8.68	1300
13	8.58	19210			2830	14	45.47	100850	- 121	8.71	1310
14	8.57	19170			3080	15	45.46	100730	60	8.67	1300
15	8.52	18930			3000	16	45.54	101690	- 484	8.54	1270
16	8.63	19460			2880	17	45.62	102660	- 489	8.27	1200
17	8.72	19900			2780	18	45.64	102900	- 121	8.28	1210
18	8.92	20890			2840	19	45.63	102780	60	8.28	1210
19	9.02	21390			2710	20	45.58	102170	308	8.28	1210
20	9.03	21440			2460	21	45.58	102170	0	8.26	1200
21	9.15	22060			2410	22	45.63	102780	- 308	8.27	1200
22	9.28	22730			2180	23	45.58	102170	308	8.27	1200
23	9.57	24250			1580	24	45.60	102410	- 121	8.26	1200
24	9.86	25820			1350	25	45.57	102050	182	8.36	1230
25	9.94	26260			2540	26	45.47	100850	605	8.75	1370
26	9.69	24900			2930	27	45.47	100850	0	9.38	1480
27	9.40	23350			2630	28	45.40	100010	424	9.37	1480
28	8.95	21040			1980	29	45.58	102170	-1089	9.39	1490
29	8.81	20340			2250	30	45.63	102780	- 308	9.40	1490
30	8.72	19900			2100	31	45.61	102540	121	9.38	1480
31	8.80	20290			2070	Jun 1	45.65	103020	- 242	9.40	1490
Jun 1	8.95	21040			1770	2	45.65	103020	0	9.40	1490
2	9.17	22160			2080	3	45.54	101690	671	9.28	1460
3	9.05	21540			2650	4	45.46	100730	484	9.02	1390
4	8.58	19210			2280	5	45.58	102170	- 726	8.97	1380
5	8.29	17830			2610	6	45.72	103860	- 852	8.74	1320
6	8.10	16950			2950	7	45.90	106030	-1094	8.56	1270
7	7.75	16260			2730	8	45.94	106510	- 242	8.57	1280
8	7.86	15860			2750	9	45.90	106030	242	8.54	1270
9	7.67	15020			2920	10	45.92	106270	- 121	8.52	1260
10	7.52	14370			2890	11	45.94	106510	- 121	8.53	1270
11	7.27	13300			2860	12	45.95	106630	- 60	8.53	1270
12	7.09	12560			2760	13	45.96	106750	- 61	8.56	1270
13	7.18	12930			2830	14	45.87	105670	544	8.56	1270
14	6.98	12110			2760	15	45.86	105550	60	8.18	1180
15	6.77	11270			2700	16	45.92	106270	- 363	7.68	1070
16	6.42	10700			2820	17	45.98	106990	- 363	7.78	1090
17	6.61	10660			2800	18	45.99	107110	- 60	7.92	1120
18	6.69	10960			2600	19	45.93	106390	363	7.90	1120
19	6.66	10850			2640	20	45.88	105790	302	8.12	1170
20	6.24	9280			2430	21	45.97	106870	- 545	8.70	1310
21	6.16	9000			2600	22	46.08	108240	- 691	9.06	1400
22	6.52	10320			2410	23	46.09	108360	- 60	9.10	1410

55MINC GAGE	55MINC DISCH	N5+55 MINC TOTAL	N5+55 MINC STD	N5+55 MINC NOR
4.30	692	2182		
4.47	739	2175		
4.65	782	2202		
4.81	843	2313		
5.05	893	2343		
5.18	930	2420		
5.25	950	2440		
5.25	950	2440		
5.08	901	2341		
4.77	815	2115		
4.78	818	2118		
4.66	782	2092		
4.39	714	2014		
4.20	667	1937		
4.05	631	1831		
4.05	631	1841		
4.07	636	1846		
4.30	692	1902		
4.30	692	1892		
4.31	694	1894		
4.36	707	1907		
4.44	727	1927		
4.66	785	2015		
4.93	859	2229		
5.23	945	2425		
5.33	974	2454		
5.41	997	2487		
5.48	1020	2510		
5.55	1040	2520		
5.59	1050	2540		
5.60	1050	2540		
5.25	950	2410		
4.90	851	2241		
5.04	890	2270		
5.13	916	2236		
5.07	899	2169		
5.00	879	2159		
4.97	871	2141		
4.97	871	2131		
4.97	871	2141		
4.98	873	2143		
4.98	873	2143		
4.98	873	2143		
4.97	871	2051		
4.84	834	1904		
4.70	796	1886		
4.70	796	1916		
4.80	823	1943		
4.95	865	2035		
5.11	910	2220		
5.31	968	2368		
5.48	1020	2430		

55 MIN C		N5+55 MIN CANS			MIN	MINIDOKA				N-M	DATE	L MIL	PA LAT		NSTF CAN		PA+NSTF CAN			55TF CANAL				MILL LIFT CAN				MIL
GAGE	DISCH	TOTAL	STD	NOR	TH BAL	GAGE	DISCH	STD	NOR	LOSS	1925	GAGE	GAGE	DISC	GAGE	DISCH	TOTAL	STD	NOR	GAGE	DISCH	STD	NOR	GAGE	DISC	STD	NOR	TH BAL
4.30	692	2182			9022	7.90	9480			- 458	May 4	10.50	1.94	54	8.32	2690	2744			8.46	2400							
4.47	735	2175			9773	8.23	10480			- 707	5	10.68	1.95	55	8.50	2770	2845			9.14	2770			H.D.	23			
4.65	782	2202			10917	8.57	11580			- 663	6	10.96	1.96	55	8.80	2950	3005			9.34	2880			1.88	50			
4.87	843	2313			12725	9.06	13330			- 605	7	10.66	1.94	54	8.65	2870	2924			9.28	2840			1.91	52			
5.05	893	2363			14388	9.24	14030			358	8	10.94	1.94	54	8.77	2940	2994			9.58	3020			1.87	50			
5.18	930	2420			14106	9.39	14630			- 524	9	10.96	1.94	53	8.79	2950	3003			9.83	3160			1.90	51			
5.25	950	2440			15229	9.70	15910			- 681	10	10.96	1.93	52	8.78	2950	3002			9.87	3190			1.90	51			
5.25	950	2440			16341	10.10	17610			-1269	11	10.93	1.94	53	8.76	2940	2993			H.D.	2310			1.93	52			
5.08	901	2341			20075	10.67	20120			- 45	12	10.94	1.94	53	8.76	2950	3003			H.D.	2010			2.02	56			
4.77	815	2115			20014	10.35	18700			1314	13	10.92	1.93	52	8.77	2960	3012			9.52	2980			H.D.	42			
4.78	818	2118			17112	9.71	15950			1162	14	10.92	1.93	52	8.76	2960	3012			9.85	3170			H.D.	42			
4.65	782	2092			16997	9.93	16880			117	15	10.91	1.93	52	8.75	2960	3012			9.76	3120			2.08	60			
4.39	714	2014			17216	10.05	17400			- 184	16	10.90	1.93	52	8.75	2970	3022			9.77	3130			H.B.	67			
4.20	667	1937			16509	9.93	16880			- 371	17	10.92	1.93	52	8.76	2980	3032			9.78	3140			2.08	60			
4.05	631	1831			17140	10.03	17310			- 170	18	10.94	1.93	52	8.77	3000	3052			9.78	3140			2.12	62			
4.05	631	1841			17938	10.35	18700			- 762	19	10.93	1.94	53	8.76	3000	3053			9.77	3140			2.12	62			
4.07	636	1846			19104	10.52	19450			- 346	20	10.93	1.93	52	8.75	3000	3052			9.77	3150			2.09	62			
4.30	692	1902			19796	10.67	20120			- 324	21	10.92	1.93	52	8.75	3000	3052			9.77	3160			2.16	64			
4.30	692	1892			19548	10.62	19890			- 342	22	10.94	1.93	52	8.76	3010	3062			9.78	3170			2.17	64			
4.31	694	1894			19858	10.81	20740			- 882	23	10.92	1.93	52	8.77	3020	3072			9.78	3180			2.23	66			
4.36	707	1907			21131	11.19	22460			-1329	24	10.94	1.93	52	8.77	3030	3082			9.78	3190			2.28	68			
4.44	727	1927			22202	11.42	23510			-1308	25	10.94	1.93	52	8.75	3030	3082			9.77	3190			2.26	66			
4.66	785	2015			23987	11.68	24710			- 723	26	10.94	1.93	52	8.75	3030	3082			9.77	3190			2.23	66			
4.93	859	2229			24636	11.45	23650			986	27	10.91	1.93	52	8.75	3030	3082			9.83	3230			2.16	64			
5.23	945	2425			22475	10.92	21240			1235	28	10.97	H.D.	44	8.76	3040	3084			9.92	3280			2.16	64			
5.33	974	2454			21320	10.50	19360			1960	29	10.88	1.93	52	8.73	3020	3072			9.98	3320			2.30	68			
5.41	997	2487			17464	9.81	16370			1094	30	10.94	1.93	52	8.76	3040	3092			10.02	3340			2.61	84			
5.48	1020	2510			17522	10.00	17180			342	31	10.96	1.94	53	8.76	3040	3093			10.01	3340			2.62	87			
5.55	1040	2520			17501	10.18	17950			- 449	June 1	10.95	1.94	53	8.75	3030	3083			10.01	3340			2.63	88			
5.59	1050	2540			17508	10.20	18040			- 532	2	10.94	1.94	53	8.75	3030	3083			9.95	3300			2.65	88			
5.60	1050	2540			18500	10.43	19050			- 550	3	10.93	1.95	53	8.72	3020	3073			9.91	3280			2.66	87			
5.25	950	2410			20421	10.74	20430			- 9	4	10.92	1.95	53	8.70	3010	3063			9.83	3230			2.64	88			
4.90	851	2241			19783	10.22	18130			1653	5	10.92	1.96	54	8.71	3010	3064			9.80	3210			2.65	88			
5.04	890	2270			16214	9.45	14790			1424	6	10.94	1.96	54	8.73	3020	3074			9.82	3220			2.63	88			
5.13	916	2236			14742	9.16	13710			1032	7	10.92	1.96	54	8.72	3020	3074			9.82	3220			2.61	70			
5.07	899	2169			13687	8.95	12920			767	8	10.96	1.96	54	8.73	3020	3074			9.82	3220			2.61	70			
5.00	879	2159			13859	9.15	13680			179	9	10.91	1.96	53	8.72	3020	3073			9.58	3080			2.46	82			
4.97	871	2141			13961	9.02	13180			781	10	10.95	1.96	53	8.71	3010	3063			9.44	3000			2.46	82			
4.97	871	2131			12768	8.71	12060			708	11	10.94	1.96	53	8.72	3020	3073			10.25	3480			2.65	88			
4.97	871	2141			12108	8.43	11120			988	12	10.92	H.D.	49	8.71	3010	3059			10.18	3430			2.61	76			
4.98	873	2143			11097	8.17	10300			797	13	10.95	1.96	53	8.71	3010	3063			9.72	3140			2.65	88			
4.98	873	2143			10356	8.21	10420			- 64	14	10.92	1.96	53	8.70	3010	3063			9.71	3130			2.70	84			
4.98	873	2143			11331	8.37	10920			411	15	10.90	1.97	54	8.69	3000	3054			9.64	3070			2.68	90			
4.97	871	2051			10119	7.98	9720			399	16	10.94	1.98	54	8.68	3000	3054			9.59	3030			2.68	90			
4.84	834	1304			9003	7.66	8780			223	17	10.90	1.98	53	8.69	3000	3053			9.47	2950			2.69	90			
4.70	796	1886			8451	7.52	8380			71	18	10.95	1.98	53	8.71	3010	3063			9.33	2870			2.67	87			
4.70	796	1916			8684	7.70	8900			- 216	19	10.95	1.98	53	8.70	3010	3063			9.31	2860			2.66	86			
4.80	823	1943			9380	7.92	9540			- 160	20	10.96	1.98	53	8.71	3010	3063			9.31	2860			2.63	86			
4.95	865	2035			9117	7.39	8010			1107	21	10.91	H.D.	49	8.65	2980	3029			9.33	2870			2.63	86			
5.11	910	2220			6915	6.72	6180			335	22	10.78	1.98	53	8.57	2940	2993			9.31	2860			2.63	86			
5.31	968	2368			5941	6.92	6710			- 769	23	10.98	1.98	53	8.75	3030	3083			9.68	3070			2.66	87			
5.48	1020	2430			7830	8.04	9900			-2070	24	10.96	1.98	53	8.72	3020	3073			9.76	3120			2.63	86			

ALL DISCHARGE QUANTITIES ARE GIVEN IN SECOND FEET UNLESS OTHERWI

NOTED AT TOP OF CO

PLATE NO VIII

MINIDOKA				N-M	DATE	L MIL	PA LAT	NSTF CAN		PA+NSTF CAN			SSTF CANAL			
GAGE	DISCH	STD	NOR	LOSS	1925	GAGE	GAGE	DISC	GAGE	DISCH	TOTAL	STD	NOR	GAGE	DISCH	STD	NOR
10	9480			- 458	May 4	10.50	1.94	54	8.32	2690	2744			8.46	2400		
23	10480			- 707	5	10.68	1.95	55	8.50	2770	2845			9.14	2770		
67	11580			- 663	6	10.96	1.96	55	8.80	2950	3005			9.34	2880		
96	13330			- 605	7	10.66	1.94	54	8.65	2870	2924			9.28	2840		
24	14030			358	8	10.94	1.94	54	8.77	2940	2994			9.58	3020		
89	14630			- 524	9	10.96	1.94	53	8.79	2950	3003			9.83	3160		
10	15910			- 681	10	10.96	1.93	52	8.78	2950	3002			9.87	3190		
10	17610			-1269	11	10.93	1.94	53	8.76	2940	2993			H.D.	2310		
67	20120			- 45	12	10.94	1.94	53	8.76	2950	3003			H.D.	2010		
85	18700			1314	13	10.92	1.93	52	8.77	2960	3012			9.52	2980		
71	15950			1162	14	10.92	1.93	52	8.76	2960	3012			9.85	3170		
93	16880			117	15	10.91	1.93	52	8.75	2960	3012			9.76	3120		
85	17400			- 184	16	10.90	1.93	52	8.75	2970	3022			9.77	3130		
93	16880			- 371	17	10.92	1.93	52	8.76	2980	3032			9.78	3140		
03	17310			- 170	18	10.94	1.93	52	8.77	3000	3052			9.78	3140		
85	18700			- 762	19	10.93	1.94	53	8.76	3000	3053			9.77	3140		
62	19450			- 346	20	10.93	1.93	52	8.75	3000	3052			9.77	3150		
67	20120			- 324	21	10.92	1.93	52	8.75	3000	3052			9.77	3160		
62	19890			- 342	22	10.94	1.93	52	8.76	3010	3062			9.78	3170		
81	20740			- 882	23	10.92	1.93	52	8.77	3020	3072			9.78	3180		
19	22460			-1329	24	10.94	1.93	52	8.77	3030	3082			9.78	3190		
42	23510			-1308	25	10.94	1.93	52	8.75	3030	3082			9.77	3190		
68	24710			- 723	26	10.94	1.93	52	8.75	3030	3082			9.77	3190		
45	23650			986	27	10.91	1.93	52	8.75	3030	3082			9.83	3230		
92	21240			1235	28	10.97	H.D.	44	8.76	3040	3084			9.92	3280		
50	19360			1960	29	10.88	1.93	52	8.73	3020	3072			9.98	3320		
81	16370			1094	30	10.94	1.93	52	8.76	3040	3092			10.02	3340		
00	17180			342	31	10.96	1.94	53	8.76	3040	3093			10.01	3340		
18	17950			- 449	June 1	10.95	1.94	53	8.75	3030	3083			10.01	3340		
20	18040			- 532	2	10.94	1.94	53	8.75	3030	3083			9.95	3300		
43	19050			- 550	3	10.93	1.95	53	8.72	3020	3073			9.91	3280		
34	20430			- 9	4	10.92	1.95	53	8.70	3010	3063			9.83	3230		
22	18130			1653	5	10.92	1.96	54	8.71	3010	3064			9.80	3210		
43	14790			1424	6	10.94	1.96	54	8.73	3020	3074			9.82	3220		
96	13710			1032	7	10.92	1.96	54	8.72	3020	3074			9.82	3220		
95	12920			767	8	10.96	1.96	54	8.73	3020	3074			9.82	3220		
15	13680			179	9	10.91	1.96	53	8.72	3020	3073			9.58	3080		
92	13180			781	10	10.95	1.96	53	8.71	3010	3063			9.44	3000		
71	12060			708	11	10.94	1.96	53	8.72	3020	3073			10.25	3480		
43	11120			988	12	10.92	H.D.	49	8.71	3010	3059			10.18	3430		
17	10300			797	13	10.95	1.96	53	8.71	3010	3063			9.72	3140		
21	10420			- 64	14	10.92	1.96	53	8.70	3010	3063			9.71	3130		
97	10720			411	15	10.90	1.97	54	8.69	3000	3054			9.64	3070		
98	9720			399	16	10.94	1.98	54	8.68	3000	3054			9.59	3030		
66	8780			223	17	10.90	1.98	53	8.69	3000	3053			9.47	2950		
52	8380			71	18	10.95	1.98	53	8.71	3010	3063			9.33	2870		
70	8900			- 216	19	10.95	1.98	53	8.70	3010	3063			9.31	2860		
92	9540			- 160	20	10.96	1.98	53	8.71	3010	3063			9.31	2860		
39	8010			1107	21	10.91	H.D.	47	8.65	2980	3029			9.33	2870		
72	6180			335	22	10.78	1.98	53	8.57	2940	2993			9.31	2860		
92	6710			- 769	23	10.98	1.98	53	8.75	3030	3083			9.68	3070		
04	9900			-2070	24	10.96	1.98	53	8.72	3020	3073			9.76	3120		

MILL LIFT CAN				MIL	MILNER				M-M
GAGE	DISC	STD	NOR	TH BAL	GAGE	DISCH	STD	NOR	GAIN
				4336	9.94	5480			1144
H.D.	23			4842	9.51	5030			188
1.88	50			5645	11.11	6770			1125
1.91	52			7514	12.45	8220			706
1.87	50			7966	12.24	8010			44
1.90	51			8416	13.13	9060			644
1.90	51			9667	14.48	10990			1323
1.93	52			12255	H.D.	14490			2235
2.03	58			13049	H.D.	15460			411
H.D.	42			12646	14.10	10370			-2276
H.D.	42			9726	13.88	10060			334
2.48	80			10668	15.19	12120			1452
H.D.	67			11181	14.68	11330			149
2.48	80			10628	14.67	11310			682
2.52	82			11036	15.47	12750			1714
2.52	82			12425	15.73	13630			1205
2.53	82			13166	16.18	14130			964
2.56	84			13824	16.08	13930			106
2.57	84			13574	16.26	14270			716
2.63	88			14400	17.04	15880			1480
2.68	90			16098	17.62	17120			1022
2.56	84			17154	18.10	18200			1046
2.63	88			18350	17.97	17900			- 450
2.66	89			17249	16.92	15630			-1619
H.D.	67			14807	16.10	13770			- 839
2.50	81			12887	14.16	10480			-2407
2.61	86			9852	13.77	9910			58
2.62	87			10660	14.78	11500			840
2.63	88			11437	14.76	11460			21
2.65	88			11567	15.08	12030			461
2.66	87			12608	16.20	14170			1562
264	88			14049	15.75	13280			- 769
2.63	88			11768	13.21	9160			-2608
2.63	88			8408	12.50	8300			- 108
2.67	90			7320	11.16	6830			- 476
2.67	90			6536	12.08	7840			1304
2.66	89			7438	11.88	7620			182
2.66	89			7028	10.85	6480			- 548
2.65	88			5419	9.47	4990			- 429
H.D.	76			4555	8.60	4080			- 475
2.63	88			4009	8.53	4010			1
H.D.	84			4143	9.39	4900			757
2.68	90			4706	8.63	4110			- 596
2.67	90			3546	7.78	3260			- 286
2.67	90			2687	6.85	2360			- 327
2.66	89			2958	7.22	2710			352
H.D.	80			2897	8.28	3760			863
H.D.	70			3547	7.40	2880			- 667
H.D.	78			2033	5.02	868			-1165
2.78	95			232	4.04	386			154
2.87	100			457	H.D.	2400			1943
H.D.	92			3615	10.88	6520			2905

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

1925 DISTRIBUTION WATER DISTRICT NO 36

DATE	JACKSON LAKE			MORAN				TWIN LK		DATE	HEISE						MORAN-HEISE				LORENZO		H-L		PO
1925	GAGE	CAPAC FT	DRAFT AF	GAGE	DISC	STD	NOR	DISC	MORAN	1925	GAGE	DISCH	RILEY	STD	T LK	NOR	TOT GN	L STD	LTL	GN NOR	STD	T LK	L STD	LTL	G
Jun 20	68.18	826100		H.D.	3310					Jun 21	6.89	20380	20416				17106								
21	68.50	834250		H.D.	3760					22	7.15	21560	21596				17836								
22	68.72	839840		H.D.	5920					23	7.49	23090	23126				17206								
23	68.82	842390		6.60	6630					24	7.56	23420	23457				16827								
24	68.90	844420		6.57	6570					25	7.31	22280	22316				15746								
25	68.94	845440		6.54	6520					26	7.27	22100	22136				15616								
26	68.95	845700		6.57	6570					27	7.27	22100	22136				15566								
27	68.96	845950		6.40	6250					28	7.11	21380	21416				15166								
28	69.00	847000		6.32	6100					29	7.04	21060	21095				14995								
29	69.04	848000		6.52	6480					30	7.28	22140	22176				15696								
30	69.00	847000		H.D.	8140					Jul 1	7.56	23420	23456				15316								
Jul 1	68.97	846210		H.D.	6690					2	7.16	21600	21636				14946								
2	68.97	846210		5.80	5360					3	6.74	19710	19725				14365								
3	68.98	846460		5.64	5090					4	6.64	19270	19284				14194								
4	69.00	847000		5.47	4800					5	6.54	18830	18842				14042								
5	69.09	849280		5.09	4200					6	6.43	18340	18351				14151								
6	69.01	847230		6.24	6160					7	6.68	19440	19452				13292								
7	68.98	846460		5.55	4940					8	6.38	18120	18131				13191								
8	69.01	847230		4.70	3620					9	6.03	16590	16600				12980								
9	69.03	847740		4.53	3380					10	5.81	15640	15650				12270								
10	69.01	847230		4.79	3750					11	5.79	15560	15570				11820								
11	68.99	846720		4.69	3610					12	5.65	14960	14969				11359								
12	69.00	847000		4.29	3060					13	5.44	14070	14077				11017								
13	69.00	847000		4.21	2950					14	5.35	13690	13721				10771								
14	69.01	847230		4.07	2770					15	5.22	13140	13166				10396								
15	68.99	846720	510	4.26	3020	257	2763			16	5.30	13480	13499	251		13248	10479	6		10485	242		9		
16	68.76	840860	5860	H.D.	5620	2954	2666			17	5.76	15430	15453	2880		12573	9833	74		9907	2745		135		
17	68.44	832720	8140	6.52	6690	4104	2586			18	6.00	16460	16482	4001		12481	7792	103		9895	3857		144		
18	68.07	823310	9410	6.84	7330	4744	2586			19	6.03	16590	16615	4625		11990	9285	119		9404	4486		139		
19	67.64	812430	10880	7.13	7930	5485	2445			20	6.14	17070	17093	5348		11745	9163	137		9300	5188		160		
20	67.20	801320	11110	7.18	8040	5601	2439			21	6.08	16800	16825	5461		11364	8785	140		8925	5297		164		
21	66.80	791250	10070	6.99	7640	5077	2563			22	6.02	16550	16573	4950		11623	8733	127		9060	4802		148		
22	66.39	780970	10280	6.99	7640	5183	2457			23	5.94	16200	16223	5053		11170	8583	130		8713	4901		152		
23	65.99	770940	10030	6.85	7350	5057	2793			24	5.81	15640	15663	4931		10732	8313	126		8439	4783		148		
24	65.56	760230	10710	6.87	7390	5400	1990			25	5.68	15080	15103	5265		9838	7713	135		7848	5107		158		
25	65.12	749270	10960	6.86	7370	5526	1844			26	5.58	14660	14685	5388		9297	7315	138		7453	5226		162		
26	64.66	737880	11390	6.87	7390	5742	1648			27	5.53	14450	14473	5598		8875	7083	144		7227	5490		168		
27	64.17	725760	12120	7.00	7660	6110	1550			28	5.50	14320	14345	5957		8388	6685	153		6838	5778		179		
28	63.67	718460	12300	7.22	8120	6201	1919			29	5.56	14570	14593	6046		8547	6473	155		6628	5865		181		
29	63.14	700440	13020	7.45	8620	6564	2056	15	8635	30	5.66	15000	15024	6400	15	8609	6389	164	0	6553	6208	14	192	1	
30	62.58	686760	13680	7.53	8800	6898	1902	20	8820	31	5.69	15130	15153	6726	19	8408	6333	172	1	6506	6524	19	202	0	
31	61.97	672380	14380	7.64	9040	7250	1790	20	9060	Aug 1	5.67	15040	15063	7069	20	7974	6003	181	0	6184	6857	19	212	1	
Aug 1	61.41	658330	14050	7.66	9080	7084	1996	20	9100	2	5.67	15130	15153	6907	19	8227	6053	177	1	6231	6665	19	242	0	
2	60.87	645280	13050	7.53	8800	6579	2221	20	8820	3	5.68	15080	15103	6415	20	8668	6283	164	0	6447	6146	19	269	1	
3	60.38	633490	11790	7.15	7780	5944	2036	25	8005	4	5.52	14400	14422	5795	24	8603	6417	149	1	6567	5575	23	220	1	
4	59.92	622440	11050	6.86	7370	5571	1799	30	7400	5	5.33	13610	13632	5432	30	8170	6232	139	0	6371	5253	29	179	1	
5	59.48	611930	10510	6.62	6890	5299	1591	35	6925	6	5.17	12940	12962	5167	34	7761	6037	132	1	6170	4981	33	186	1	
6	59.04	601420	10510	6.55	6750	5299	1451	35	6785	7	5.05	12440	12462	5167	34	7261	5677	132	1	5810	5002	33	165	1	
7	58.61	591220	10200	6.43	6520	5142	1378	35	6555	8	4.98	12160	12182	5013	34	7135	5627	129	1	5757	4858	33	155	1	
8	58.11	580780	10440	6.48	6610	5263	1347	35	6645	9	4.95	12040	12061	5131	34	6896	5416	132	1	5549	4977	33	154	1	
9	57.69	569450	11330	6.66	6970	5712	1258	35	7005	10	5.05	12440	12462	5569	34	6859	5457	143	1	5601	5374	33	195	1	
10	57.21	558140	11310	6.71	7070	5703	1367	35	7105	11	5.09	12610	12633	5560	34	7039	5528	143	1	5672	5310	32	250	2	

DAILY SUMMARY OF DATA AT AND BETWEEN SNAKE RIVER GAGING

REXBURG		HEISE RILEY REXBURG	DATE 1925	DIV HEISE-WOOD				WOOD TH BAL	WOODVILLE				LOR-WOOD		HEISE-WOODVILLE				DIV WOOD BLACK	BLACK TH BAL	BLACKFOOT BRIDGE			WOOD TOTGN	BLACK				BL
AGE	DISC			TOTAL	STD	TLK	NOR		GAGE	DISCH	STD	NOR	LSSTD	LTL	TOTGN	LSTD	LTL	GNNOR			DISCH	STD	NOR		LSTD	GNNOR	CUM LOSS STD	CORR APPD STD	GA
.82	3760	24176	JUNE 30	9712				14464	9.39	14900					436				3761	11139	10650			- 489					4
.90	3840	25436	23	9646				15790	9.87	16770					980				3756	13014	12200			- 814					5
.98	3920	27046	24	9947				17099	10.26	18310					1211				3797	14513	13880			- 633					4
.24	4180	27637	25	9730				17707	10.57	19550					1843				3520	16030	15160			- 870					5
.04	3980	26296	26	9979				16317	10.31	18510					2193				3492	15018	14270			- 748					4
.33	3770	25906	27	9972				15934	10.22	18150					2216				3586	14564	14020			- 544					4
.94	3180	25916	28	9845				16071	10.24	18230					2159				3582	14648	14180			- 468					5
.80	3740	25156	29	9680				15476	10.15	17870					2394				3535	14335	13810			- 525					5
.87	3810	24905	30	9271				15634	10.11	17710					2076				3516	14194	13940			- 254					5
.39	4230	26406	JULY 1	9159				17247	10.60	19670					2423				3591	16079	15820			- 259					5
.51	4450	27906	2	8835				19071	11.13	21790					2719				3542	18248	17840			- 408					5
.40	4540	26176	3	7949				18227	11.03	21390					3163				3307	18083	17460			- 623					5
.53	4470	24195	4	7192				17003	10.66	19910					2907				3075	16835	16440			- 395					6
.43	4370	23654	5	6671				16983	10.58	19590					2607				2880	16710	16440			- 270					6
.37	4310	23152	6	6408				16744	10.50	19270					2526				2767	16503	16210			- 293					6
.77	4720	23071	7	6172				16899	10.48	19190					2291				2824	16366	16230			- 136					7
.01	5150	24602	8	6224				18378	10.78	20390					2012				2887	17503	17250			- 253					6
.73	4850	22981	9	6226				16755	10.37	18750					1995				2836	15914	15410			- 504					6
.48	4590	21190	10	7007				14183	9.72	16190					2007				2943	13247	13040			- 207					6
.05	5170	20840	11	7442				13398	9.22	14240					842				2252	11988	12080			92					6
.58	4700	20270	12	7531				12739	8.86	12870					131				2177	10693	10660			- 33					5
.00	4110	19079	13	8352				10727	8.42	11210					483				2337	8873	8590			- 283					4
.51	3620	17697	14	8687				9010	7.93	9430					420				3257	6173	6130			- 43					3
.03	3130	16851	15	8233				8618	7.67	8520					- 98				3331	5189	5050			- 139					4
.51	1750	14916	16	7690				7226	7.46	7790					564				3253	4537	4300			- 237					4
.15	1470	14969	17	7617	12		7605	7352	7.52	8000	229	7771	1		648	10		658	3299	4701	4450	215	4235	- 251	14	- 237			4
.99	1340	14793	18	7486	92		7394	9307	8.14	10180	2639	7541	14		873	149		1022	3384	6796	6450	2481	3969	- 346	158	- 188			5
.87	1250	17732	19	7528	150		7378	10204	8.37	11030	3688	7342	19		826	163		989	3352	7678	7380	3467	3913	- 298	221	- 77			4
.69	1130	17745	20	7536	148		7388	10209	8.42	11210	4316	6894	22		1001	161		1162	3372	7838	7590	4057	3533	- 248	259	11			5
.56	1040	18135	21	7996	182		7814	10137	8.43	11250	4980	6270	26		1113	186		1279	3328	7922	7750	4681	3069	- 172	299	127			4
.58	1050	17875	22	8104	253		7851	9771	8.35	10960	5018	5942	26		1189	190		1379	3325	7635	7550	4717	2833	- 85	301	216			4
.75	1160	17733	23	8113	286		7827	9620	8.32	10840	4492	6348	24		1220	172		1392	3276	7564	7520	4222	3298	- 44	270	226			5
.82	1210	17433	24	7752	245		7507	9681	8.36	10990	4631	6359	25		1309	177		1486	3235	7755	7800	4353	3447	45	278	323			5
.03	1370	17033	25	7689	231		7458	9344	8.28	10700	4528	6172	24		1356	172		1528	3169	7531	7570	4256	3314	39	272	311			5
.95	1320	16423	26	7583	211		7372	8840	8.15	10220	4870	5350	26		1380	184		1564	3150	7070	7060	4578	2482	- 10	292	282			5
.78	1210	15895	27	7822	226		7596	8073	7.98	7610	4974	4636	26		1537	188		1725	3054	6556	6450	4676	1774	- 106	298	192			5
.63	1130	15603	28	7874	209		7665	7729	7.75	8800	5194	3606	27		1071	195		1266	3155	5645	5650	4882	768	5	312	317			5
.48	1040	15385	29	7968	258		7710	7417	7.63	8380	5491	2889	29		963	208		1171	3161	5219	5260	5142	98	41	329	370			6
.42	1010	15603	30	8005	385		7620	7598	7.67	8520	5451	3069	29		922	210		1132	3143	5377	5420	5124	296	43	327	370			6
.42	1020	16044	31	8080	387		7693	7964	7.75	8800	5804	2996	31	0	836	223	1	1060	3111	5689	5740	5456	284	51	349	399			6
.42	1030	16183	AUG 1	7921	302		7619	8262	7.83	9080	6208	2872	33	0	818	235	0	1053	3077	6001	6000	5835	165	- 1	373	372			7
.42	1040	16103	2	7747	297		7450	8356	7.90	9320	6545	2775	34	0	964	246	1	1211	3049	6271	6380	6152	228	109	433	502			6
.43	1040	16173	3	7760	348		7412	8433	7.98	9610	6303	3307	33	0	1177	275	0	1452	3012	6528	6710	5925	785	112	378	470			6
.54	1120	16243	4	7633	337		7294	8590	8.05	9860	5795	4065	31	0	1270	300	1	1571	2947	6913	6950	5447	1503	37	348	385			6
.67	1270	15642	5	7489	213		7246	8183	7.95	9500	5357	4143	28	0	1317	248	1	1566	2890	6610	6610	5036	1574	0	321	321			6
.77	1290	14722	6	7170	257		6913	7752	7.77	8860	4979	3881	24	0	1108	205	1	1314	2861	5999	6040	4697	1341	41	300	341			6
.73	1270	14232	7	7015	116		6899	7217	7.62	8340	4872	3468	25	1	1123	211	2	1336	2886	5454	5390	4580	810	- 64	242	228			6
.64	1270	13672	8	7056	108		6948	6616	7.48	7860	4902	2958	25	0	1244	190	1	1435	2820	5040	4890	4408	282	- 150	294	144			5
.52	1190	13512	9	6773	81		6692	6539	7.37	7490	4786	2704	24	0	951	179	1	1131	2818	4612	4550	4479	51	- 122	287	165			5
.48	1110	13171	10	6933	99		6834	6238	7.36	7450	4886	2564	25	0	1212	179	1	1392	2816	4634	4550	4593	- 43	- 84	203	203	43	- 43	5
.47	1100	13562	11	6902	93		6809	6660	7.43	7690	5286	2404	27	1	1030	222	2	1254	2903	4787	4830	4769	- 139	43	317	340	182	- 139	5
.50	1120	13753	12	6903	201		6702	6850	7.48	7860	5114	2746	27	0	1010	277	2	1289	2890	5030	5060	4807	253	30	407	337	0	182	5

RIVER GAGING STATIONS FROM JACKSON LAKE WYOMING TO MILNER IDAHO

)- BLACK		CUM LOSS	CORR APPD	BLACK RIVER			S-M	CLOUGH	CLOUGHS				B-C	DATE	NEELEY				C-N	DATE	LAKE WALCOTT			NS MINC		SS MIN	
L STD	GN NOR	STD	STD	GAGE	DISC.	BLACK	CAN	TH BAL	GAGE	DISCH	STD	NOR	GAIN	1925	GAGE	DISCH	STD	NOR	GAIN	1925	GAGE	CAPACFT	DRAFT	GAGE	DISCH	GAGE	DI
				4.62	27	10677	16	10661	7.22	10950			289	JUN23	7.25	13220			2270	JUN24	44.01	107360	504	9.28	1460	5.56	10
				5.00	56	12256	19	12237	7.65	12500			263	24	7.62	14800			2300	25	45.98	106990	186	9.39	1490	5.50	10
				4.80	39	13919	18	13901	8.07	14110			209	25	7.90	16040			1930	26	45.89	105910	545	9.38	1480	5.42	10
				5.10	65	15225	23	15202	8.38	15340			138	26	8.18	17320			1980	27	45.84	105310	303	9.38	1480	5.48	10
				4.90	47	14317	22	14295	8.12	14310			15	27	8.04	16670			2360	28	45.95	106630	- 666	9.39	1490	5.51	10
				4.48	18	14038	21	14017	8.08	14150			133	28	7.96	16310			2160	29	45.99	107110	- 242	9.42	1490	5.64	10
				5.30	87	14267	21	14246	8.15	14420			174	29	8.02	16580			2160	30	45.94	106510	303	9.40	1490	5.63	10
				5.37	95	13905	21	13884	8.06	14070			186	30	7.97	16360			2290	JUL 1	45.98	106990	- 242	9.41	1490	5.64	10
				5.51	116	14056	21	14035	8.10	14230			195	JUL 1	7.98	16400			2170	2	45.96	106750	121	9.41	1490	5.68	10
				5.60	131	15951	26	15925	8.60	16230			305	2	8.35	18120			1890	3	45.94	106510	121	9.40	1490	5.68	10
				5.87	186	18026	27	17999	9.12	18380			381	3	8.83	20440			2060	4	45.84	105310	605	9.38	1480	5.67	10
				5.90	193	17653	29	17624	8.99	17840			216	4	8.76	20090			2250	5	45.76	104340	489	9.40	1490	5.68	10
				6.08	234	16674	27	16647	8.77	16930			283	5	8.54	19020			2090	6	45.74	104100	121	9.42	1490	5.70	10
				6.28	283	16723	28	16695	8.79	17010			315	6	8.63	19460			2450	7	45.71	103740	182	9.41	1490	5.71	10
				6.70	359	16569	27	16542	8.76	16890			348	7	8.62	19410			2520	8	45.78	104580	- 424	9.40	1490	5.68	10
				7.00	410	16640	27	16613	8.76	16890			277	8	8.58	19210			2320	9	45.82	105070	- 247	9.41	1490	5.67	10
				6.90	393	17643	24	17619	8.98	17800			181	9	8.80	20270			2490	10	45.72	103860	610	9.40	1490	5.65	10
				6.40	305	15715	9	15706	8.47	15700			- 6	10	8.39	18300			2600	11	45.76	104340	- 242	9.40	1490	5.66	10
				6.60	341	13381	6	13375	7.85	13260			-115	11	7.94	16220			2940	12	45.84	105310	- 489	9.40	1490	5.69	10
				6.02	216	12796	4	12792	7.53	12060			-232	12	7.61	14750			2690	13	45.90	106030	- 363	9.41	1490	5.69	10
				5.08	60	10720	3	10717	7.09	10510			-207	13	7.22	13090			2580	14	45.88	105790	121	9.41	1490	5.69	10
				4.70	30	8620	3	8617	6.45	8450			-167	14	6.79	11350			2900	15	45.82	105070	363	9.40	1490	5.68	10
				4.50	18	6148	3	6145	5.62	6140			- 5	15	6.08	8720			2580	16	45.61	102540	1276	9.40	1490	5.71	10
				4.12	3	5053	3	5050	5.19	5090			40	16	5.87	8000			2910	17	45.30	98800	1886	9.39	1490	5.70	10
				4.15	4	4304	2	4302	4.89	4410			108	17	5.56	6970			2560	18	45.04	95670	15	9.41	1490	H.O	6
14	- 237			4.15	4	4454	1	4453	4.94	4520	215	4305	67	18	5.63	7200	215	6985	2680	19	45.49	101090	-2733	9.41	1490	5.58	10
158	- 188			4.68	28	6478	2	6476	5.74	6450	2481	3969	- 26	19	6.35	9680	2481	7199	3230	20	45.71	103740	-1336	9.40	1490	5.63	10
221	- 77			4.83	38	7418	9	7409	6.08	7370	3467	3903	- 39	20	6.34	9650	3467	6183	2280	21	45.86	105550	- 913	9.41	1490	5.69	10
259	11			4.58	22	7612	9	7603	6.17	7630	4057	3573	27	21	6.43	9980	4057	5923	2350	22	46.00	107240	- 89	9.41	1490	5.70	10
299	127			4.71	30	7780	10	7770	6.21	7740	4681	3059	- 30	22	6.58	10540	4681	5859	2800	23	46.00	107240		9.31	1460	5.70	10
301	216			4.97	50	7600	10	7590	6.19	7680	4717	2963	90	23	6.53	10350	4717	5633	2670	24	46.06	107990	- 57	885	1350	5.67	10
270	226			5.70	144	7664	9	7655	6.20	7710	4222	3488	55	24	6.52	10320	4222	6098	2610	25	46.09	108360	- 187	862	1290	5.63	10
278	323			5.85	175	7975	10	7965	6.30	8000	4353	3647	35	25	6.60	10620	4353	6267	2620	26	46.06	107990	186	841	1270	5.58	10
272	311			6.02	214	7784	10	7774	6.21	7740	4256	3484	- 34	26	6.56	10470	4256	6214	2730	27	46.03	107610	193	8.61	1290	5.60	10
292	282			6.09	232	7292	8	7284	6.04	7260	4578	2682	- 24	27	6.41	9910	4578	5332	2650	28	46.04	107740	- 66	883	1340	5.61	10
298	192			6.00	209	6459	7	6452	5.83	6690	4676	2014	38	28	6.29	9460	4676	4784	2770	29	45.98	106990	378	883	1340	5.62	10
312	317			5.20	71	5721	10	5711	5.47	5760	4882	878	49	29	6.01	8480	4882	3598	2720	30	45.87	105670	666	8.90	1360	5.62	10
329	370			5.00	52	5312	12	5300	5.32	5400	5162	238	100	30	5.97	8340	5162	3178	2940	31	45.80	104820	429	9.13	1420	5.63	10
327	370			5.06	57	5477	5	5472	5.42	5640	5124	516	168	31	6.01	8480	5124	3356	2840	AUG 1	45.72	103860	484	9.08	1400	5.63	10
348	397			5.05	56	3796	9	3787	5.55	5960	5456	504	173	AUG 1	6.01	8480	5456	3024	2520	2	45.76	104340	- 242	8.95	1370	5.65	10
373	372			5.01	53	6053	9	6044	5.63	6170	5835	335	126	2	6.20	9140	5835	3305	2970	3	45.82	105070	- 368	8.96	1370	5.63	10
393	502			5.12	65	6443	8	6435	5.81	6640	6152	488	205	3	6.26	9360	6152	3208	2720	4	45.77	106870	- 908	8.92	1360	5.61	10
378	490			5.40	95	6805	9	6796	5.93	6960	5925	1035	164	4	6.37	9830	5925	3905	2870	5	45.11	108610	- 877	8.85	1350	5.52	9
348	385			5.67	142	7092	9	7083	6.00	7150	5447	1703	67	5	6.41	9910	5447	4463	2760	6	46.13	108860	- 126	8.97	1380	5.46	9
321	321			5.78	160	6770	9	6761	5.87	6800	5036	1764	39	6	6.34	9650	5036	4614	2850	7	46.09	108360	252	9.21	1440	5.59	9
300	341			5.60	126	6166	6	6160	5.63	6170	4699	1471	10	7	6.15	8960	4699	4261	2790	8	46.02	107490	439	9.19	1430	5.52	9
392	228			5.30	82	5472	4	5468	5.36	5490	4580	910	22	8	5.94	8240	4580	3660	2750	9	45.94	106510	494	9.18	1430	5.52	9
329	144			5.00	52	4942	2	4940	5.19	5090	4608	482	150	9	5.82	7830	4608	3222	2740	10	45.80	104820	852	9.15	1420	5.52	9
287	145			5.05	54	4606	2	4604	5.07	4810	4499	311	206	10	5.71	7460	4499	2761	2650	11	45.64	102900	968	9.13	1420	5.51	9
273	201	43	- 43	5.38	92	4642	1	4641	5.08	4830	4550	280	189	11	5.74	7560	4550	3010	2730	12	45.52	101450	731	9.17	1430	5.52	9
317	360	182	- 139	5.72	148	4978	2	4976	5.22	5160	4830	330	184	12	5.88	8030	4830	3200	2870	13	45.47	100850	303	9.12	1420	5.54	9
307	337	0	182	5.70	136	5246	3	5243	5.30	5350	4989	361	107	13	5.92	8170	4989	3181	2820	14	45.54	101690	- 424	8.80	1330	5.52	9

INC	55 MIN C		N5+55 MIN CANS			MIN	MINIDOKA				N-M	DATE	L MIL	PA LAT		N5TF CAN		PA + N5TF CAN			55TF CANAL				MIL L	
DISCH	GAGE	DISCH	TOTAL	STD	NOR	TH BAL	GAGE	DISCH	STD	NOR	LOSS	1925	GAGE	GAGE	DISC	GAGE	DISC	TOTAL	STD	NOR	GAGE	DISCH	STD	NOR	GAGE	DISC
1460	5.56	1040	2500			11224	8.92	12800			-1576	JUN 23	10.95	1.97	52	8.70	3010	3062			9.73	3100				
1490	5.50	1020	2510			12476	9.05	13290			- 814	24	10.98	1.98	53	8.71	3010	3063			H.D.	2600				
1490	5.42	1000	2480			14105	9.56	15330			-1225	27	10.96	1.98	53	8.73	3020	3073			10.38	3390				
1480	548	1020	2500			15123	9.42	14750			373	28	10.86	1.98	53	8.68	3000	3053			10.16	3370				
1490	5.57	1040	2530			13474	8.78	12300			1174	29	10.96	1.98	53	8.71	3040	3093			10.18	3370				
1490	5.64	1070	2560			13508	9.08	13400			108	30	10.96	1.98	53	8.76	3020	3073			10.15	3340				
1490	5.63	1060	2550			14333	9.20	13870			463	JUL 1	10.97	1.98	53	8.74	2990	3043			10.08	3310				
1490	5.64	1070	2560			13558	9.08	13400			158	2	10.96	1.98	53	8.75	2970	3023			10.06	3300				
1490	5.68	1080	2570			13951	9.43	14790			- 839	3	10.96	1.98	52	8.73	2950	3002			10.04	3290				
1490	5.68	1080	2570			15671	10.01	17220			-1549	4	10.97	1.98	52	8.73	2950	3002			10.06	3300				
1480	5.67	1070	2550			18495	10.31	18520			- 25	5	10.94	1.98	52	8.71	2940	2992			10.06	3300				
1490	5.68	1070	2560			18019	9.98	17090			929	6	10.97	1.98	52	8.70	2930	2982			10.05	3290				
1490	5.70	1070	2560			16581	9.91	16790			- 209	7	10.97	1.98	52	8.68	2920	2972			10.10	3320				
1490	5.71	1070	2560			17082	9.88	16670			412	8	10.96	1.98	52	8.67	2910	2962			10.10	3320				
1490	5.68	1050	2540			16446	9.81	16370			76	9	10.96	1.98	52	8.66	2910	2962			10.11	3330				
1490	5.67	1040	2530			16433	9.93	16880			- 447	10	10.94	1.98	52	8.63	2890	2942			10.10	3320				
1490	5.65	1040	2530			18370	9.98	17090			1280	11	10.98	1.98	52	8.63	2870	2942			10.17	3370				
1490	5.66	1040	2530			15528	9.07	13370			2158	12	10.96	2.00	54	8.64	2900	2754			10.20	3380				
1490	5.69	1050	2540			13191	8.47	11250			1941	13	10.96	1.99	53	8.65	2900	2953			10.21	3390				
1490	5.69	1050	2540			11847	8.23	10480			1367	14	10.98	1.99	53	8.65	2900	2953			10.22	3400				
1490	5.69	1050	2540			10671	7.57	8520			2151	15	10.98	1.98	52	8.64	2900	2952			10.20	3380				
1490	5.68	1040	2530			9183	6.88	6610			2573	16	10.89	1.96	51	8.58	2870	2921			9.97	3240				
1490	5.71	1050	2540	- 180	2720	7456	6.73	6210	210	6000	1246	17	10.95	1.97	52	8.63	2890	2942	- 58	3000	10.21	3390	390	3000		
1490	5.70	1050	2540	540	2000	7346	6.79	6360	360	6000	986	18	10.92	1.98	52	8.61	2880	2932	- 68	3000	7.82	3160	160	3000		
1490	H.D.	676	2166	440	1726	6382	(6.72)	6180	936	5244	202	19	11.05	1.97	52	H.D.	1840	1892	- 352	2244	10.14	3350	350	3000		
1490	5.58	1020	2510	784	1726	1957	H.D.	4030	-1229	5259	-2073	20	10.88	1.96	51	H.D.	848	899	-1360	2259	10.24	3410	410	3000		
1490	5.63	1030	2520	794	1726	5824	H.D.	5170	- 303	5473	654	21	10.88	1.95	51	8.52	2980	3031	558	2473	10.16	3360	360	3000		
1490	5.69	1050	2540	814	1726	6197	6.80	6390	1933	4457	- 193	22	10.99	1.95	51	8.62	3030	3081	1624	1457	10.14	3350	350	3000		
1490	5.70	1050	2540	814	1726	6588	6.88	6610	2413	4197	- 22	23	11.06	1.95	51	8.71	3080	3131	1734	1397	10.14	3350	350	3000		
1460	5.70	1050	2510	784	1726	8030	7.22	7540	3407	4133	490	24	11.10	1.96	51	8.75	3100	3151	2018	1133	10.18	3370	370	3000		
1350	5.67	1040	2390	664	1726	7582	7.22	7540	3633	3907	42	25	11.08	1.96	51	8.76	3110	3161	2254	907	10.18	3370	370	3000		
1290	5.63	1030	2320	594	1726	7813	7.08	7150	2778	4372	663	26	11.10	1.96	51	8.78	3120	3171	1799	1372	10.15	3360	360	3000		
1290	5.58	1020	2310	584	1726	8496	7.51	8350	3809	4541	146	27	11.08	1.96	51	8.78	3120	3171	1630	1541	10.15	3360	360	3000		
1290	5.60	1020	2310	584	1726	8352	7.18	7420	2932	4488	932	28	11.08	1.96	51	8.76	3110	3161	1673	1488	10.13	3350	350	3000		
1340	5.61	1020	2360	634	1726	7484	6.86	6550	2944	3606	934	29	11.10	1.96	51	8.76	3110	3161	2555	606	10.15	3370	370	3000		
1340	5.62	1030	2370	986	1384	7468	6.75	6260	2860	3400	1208	30	11.05	1.96	50	8.69	3070	3120	2720	400	10.14	3380	380	3000		
1360	5.62	1030	2390	2192	198	6756	6.74	6230	2830	3400	526	31	10.98	1.96	50	8.58	3010	3060	2660	400	10.14	3370	370	3000		
1420	5.63	1030	2450	2450	0	6317	6.70	6130	2952	3178	187	AUG 1	10.85	1.96	50	8.49	2960	3010	2636	374	10.15	3380	576	2804		
1400	5.63	1030	2430	2430	0	6534	6.69	6100	2744	3356	434	2	10.84	1.97	51	8.47	2950	3001	2606	395	10.16	3370	429	2941		
1370	5.65	1040	2410	2410	0	5828	6.68	6080	3056	3024	- 252	3	10.72	1.98	51	8.43	2930	2981	2625	356	10.16	3400	792	2608		
1370	5.63	1030	2400	2400	0	6372	6.63	5950	2646	3305	422	4	10.64	1.98	51	8.35	2890	2941	2552	389	10.14	3380	464	2916		
1360	5.61	1020	2380	2380	0	6072	6.65	6000	2792	3208	72	5	10.68	1.98	51	8.32	2870	2921	2544	377	10.16	3400	569	2831		
1350	5.52	997	2347	1842	505	6606	6.70	6130	2730	3400	476	6	10.74	1.98	51	8.37	2900	2951	2551	400	10.16	3410	410	3000		
1380	5.46	980	2360	1297	1063	7424	6.92	6710	3310	3400	714	7	10.98	1.98	51	8.43	2930	2981	2581	400	H.D.	2950	- 50	3000		
1440	5.39	959	2399	1185	1214	7503	6.81	6420	3020	3400	1083	8	10.98	1.98	51	8.36	2890	2941	2641	400	10.15	3410	410	3000		
1430	5.32	939	2369	1508	861	7030	6.60	5870	2470	3400	1160	9	10.80	1.99	51	8.14	2770	2821	2421	400	10.08	3370	370	3000		
1430	5.32	939	2369	2109	260	6365	6.48	5560	2160	3400	805	10	10.68	2.00	51	8.07	2740	2791	2391	400	9.97	3300	300	3000		
1420	5.34	945	2365	2365	0	6317	6.52	5660	2438	3222	657	11	10.64	2.00	51	8.06	2730	2781	2402	379	9.98	3320	320	3000		
1420	5.37	953	2373	2373	0	6055	6.57	5790	2829	2961	264	12	10.60	N.D.	49	8.06	2730	2757	2411	348	9.98	3320	477	2843		
1430	5.39	959	2389	2389	0	5902	6.64	5970	2960	3010	- 68	13	10.74	N.D.	42	7.87	2690	2732	2378	354	9.98	3320	707	2613		
1420	5.39	959	2379	2379	0	5954	6.61	5900	2700	3200	54	14	10.78	2.02	51	7.84	2670	2721	2345	376	9.98	3320	664	2656		
1330	5.24	916	2246	2246	0	5500	6.64	5710	2529	3181	- 210	15	10.79	2.04	52	7.67	2580	2632	2258	374	9.98	3320	476	2844		

ALL DISCHARGE QUANTITIES ARE GIVEN IN SECOND FEET UNLESS OTHE

PLATE NO IX

MINIDOKA				N-M	DATE	L MIL	PA LAT		N5TF CAN		PA+N5TF CAN			55TF CANAL				MIL L LIFT CAN				MIL	MILNER				M-M
GAGE	DISCH	STD	NOR	LOSS	1925	GAGE	GAGE	DISC	GAGE	DISC	TOTAL	STD	NOR	GAGE	DISCH	STD	NOR	GAGE	DISC	STD	NOR	THBAL	GAGE	DISC	STD	NOR	GAIN
8.92	12800			-1576	JUNE25	10.95	1.97	52	8.70	3010	3062			9.73	3100			2.89	100			6538	11.22	6890			352
9.05	13290			- 814	26	10.98	1.98	53	8.71	3010	3063			H.D.	2600			2.92	102			7575	H.D.	9240			1715
9.56	15330			-1225	27	10.96	1.98	53	8.73	3020	3073			10.38	3490			2.92	102			8665	12.22	8800			135
9.42	14750			373	28	10.86	1.98	53	8.68	3000	3053			10.16	3370			H.D.	95			8232	11.18	6850			-1382
8.78	12300			1174	29	10.96	1.98	53	8.77	3040	3093			10.18	3370			2.94	103			5734	10.84	6470			736
9.08	13400			108	30	10.96	1.98	53	8.76	3020	3073			10.13	3340			2.88	100			6887	11.98	7730			843
9.20	13870			463	JUL 1	10.97	1.98	53	8.74	2990	3043			10.08	3310			H.D.	97			7420	11.80	7530			110
9.08	13400			158	2	10.96	1.98	53	8.75	2970	3023			10.06	3300			2.96	104			6973	11.74	7680			707
9.43	14790			- 839	3	10.96	1.98	52	8.73	2950	3002			10.04	3290			H.D.	76			8422	14.27	10650			2228
10.01	17220			-1543	4	10.97	1.98	52	8.73	2950	3002			10.06	3300			2.97	104			10814	15.41	12640			1826
10.31	18520			- 25	5	10.94	1.98	52	8.71	2940	2992			10.04	3300			2.98	105			12123	14.62	11220			- 903
9.98	17090			929	6	10.97	1.98	52	8.70	2930	2982			10.05	3290			2.97	104			10714	14.18	10510			- 204
9.91	16790			- 209	7	10.97	1.98	52	8.68	2920	2972			10.10	3320			2.98	105			10323	14.06	10330			- 63
9.88	16670			412	8	10.96	1.98	52	8.67	2910	2962			10.10	3320			2.97	104			10284	14.01	10260			- 24
9.81	16370			76	9	10.96	1.98	52	8.66	2910	2962			10.11	3330			2.98	105			9973	13.83	9990			17
9.93	16880			- 447	10	10.94	1.98	52	8.63	2890	2942			10.10	3320			3.00	106			10512	M.68	11330			818
9.98	17090			1280	11	10.98	1.98	52	8.63	2890	2942			10.17	3370			H.D.	101			10677	H.D.	8850			-1827
9.07	13370			2158	12	10.96	2.00	54	8.64	2900	2954			10.20	3380			3.01	106			6930	9.63	5160			-1770
8.47	11250			1941	13	10.96	1.99	53	8.65	2900	2953			10.21	3390			3.00	106			4801	H.D.	5120			319
8.23	10480			1367	14	10.98	1.99	53	8.65	2900	2953			10.22	3400			3.02	103			4024	7.18	2680			-1344
7.57	8520			2151	15	10.98	1.98	52	8.64	2900	2952			10.20	3380			3.04	100			2088	H.D.	1200			- 888
6.86	6610			2573	16	10.87	1.96	51	8.58	2870	2921			9.97	3240			3.05	101			348	H.D.	85			- 263
6.73	6210	210	6000	1246	17	10.95	1.97	52	8.63	2890	2942	- 58	3000	10.21	3390	390	3000	H.D.	95	95	0	- 217	2.02	30	30	0	247
6.77	6360	360	6000	986	18	10.92	1.98	52	8.61	2880	2932	- 68	3000	9.82	3160	160	3000	3.04	100	100	0	168	1.96	27	27	0	- 141
6.72	6180	936	5244	202	19	11.05	1.97	52	H.D.	1840	1892	- 352	2244	10.14	3350	350	3000	2.90	98	98	0	840	2.40	58	58	0	- 782
H.D.	4030	-1229	5259	-2073	20	10.88	1.96	51	H.D.	848	899	-1360	2259	10.24	3410	410	3000	2.88	98	98	0	- 377	H.D.	49	49	0	426
H.D.	5170	- 303	5473	654	21	10.88	1.95	51	8.52	2980	3031	558	2473	10.16	3360	360	3000	H.D.	85	85	0	-1306	1.84	22	22	0	1328
6.80	6390	1933	4457	- 193	22	10.99	1.95	51	8.62	3030	3081	1624	1457	10.14	3350	350	3000	H.D.	96	96	0	- 137	H.D.	137	137	0	274
6.88	6610	2413	4197	- 22	23	11.06	1.95	51	8.71	3080	3131	1934	1197	10.14	3350	350	3000	H.D.	99	99	0	30	H.D.	978	978	0	948
7.22	7540	3407	4133	490	24	11.10	1.96	51	8.75	3100	3151	2018	1133	10.18	3370	370	3000	H.D.	102	102	0	717	H.D.	1400	1400	0	683
7.22	7540	3633	3907	42	25	11.08	1.96	51	8.76	3110	3161	2254	907	10.18	3370	370	3000	3.02	104	104	0	905	H.D.	472	472	0	- 433
7.08	7150	2778	4372	663	26	11.10	1.96	51	8.78	3120	3171	1799	1372	10.15	3360	360	3000	3.00	104	104	0	515	6.45	1790	1790	0	1475
6.51	8350	3809	4541	146	27	11.08	1.96	51	8.78	3120	3171	1630	1541	10.15	3360	360	3000	3.01	104	104	0	1715	5.72	1360	1360	0	- 355
7.18	7420	2932	4488	932	28	11.08	1.96	51	8.76	3110	3161	1673	1488	10.13	3350	350	3000	3.01	104	104	0	805	H.D.	358	358	0	- 447
6.86	6550	2944	3606	934	29	11.10	1.96	51	8.76	3110	3161	2555	606	10.15	3370	370	3000	3.00	104	104	0	- 85	7.56	75	75	0	160
6.75	6260	2860	3400	1208	30	11.05	1.96	50	8.69	3070	3120	2720	400	10.14	3380	380	3000	3.06	106	106	0	- 346	2.34	53	53	0	399
6.74	6230	2830	3400	526	31	10.98	1.96	50	8.58	3010	3060	2660	400	10.14	3370	370	3000	H.D.	100	100	0	- 300	2.02	30	30	0	330
6.70	6130	2752	3178	189	AUG 1	10.85	1.96	50	8.49	2960	3010	2636	374	10.15	3380	376	2804	H.D.	85	85	0	- 345	1.90	24	24	0	369
6.69	6100	2744	3356	434	2	10.84	1.97	51	8.47	2950	3001	2606	395	10.16	3370	429	2961	DRY	0	0	0	- 291	1.87	23	23	0	314
6.68	6080	3056	3024	- 252	3	10.72	1.98	51	8.43	2930	2981	2625	356	10.16	3400	732	2668	DRY	0	0	0	- 301	1.84	22	22	0	323
6.63	5950	2646	3305	422	4	10.64	1.98	51	8.35	2870	2921	2552	389	10.14	3380	464	2916	H.D.	67	67	0	- 438	1.79	20	20	0	458
6.65	6000	2792	3208	72	5	10.68	1.98	51	8.32	2870	2922	2544	377	10.16	3400	569	2831	2.91	103	103	0	- 424	1.77	20	20	0	444
6.70	6130	2730	3400	476	6	10.74	1.98	51	8.37	2900	2951	2551	400	10.16	3410	410	3000	H.D.	90	90	0	- 321	1.76	19	19	0	340
6.72	6110	3310	3400	714	7	10.98	1.98	51	8.43	2930	2981	2581	400	H.D.	2950	- 50	3000	H.D.	99	99	0	680	H.D.	593	593	0	- 87
6.81	6420	3020	3400	1083	8	10.98	1.98	51	8.36	2890	2941	2541	400	10.15	3410	410	3000	2.86	100	100	0	- 31	2.17	39	39	0	70
6.60	5870	2470	3400	1160	9	10.80	1.99	51	8.14	2770	2821	2421	400	10.08	3370	370	3000	2.86	100	100	0	- 421	1.78	20	20	0	441
6.48	5560	2160	3400	805	10	10.68	2.00	51	8.07	2740	2791	2391	400	9.97	3300	300	3000	2.87	101	101	0	- 632	1.72	18	18	0	650
6.52	5460	2438	3222	657	11	10.64	2.00	51	8.06	2730	2781	2402	379	9.98	3320	477	2843	H.D.	90	90	0	- 531	1.64	15	15	0	546
6.51	5390	2829	2761	265	12	10.60	H.D.	49	8.06	2730	2779	2411	368	9.98	3320	707	2613	H.D.	46	46	0	- 335	1.60	14	14	0	349
6.64	5730	2960	3010	- 68	13	10.74	H.D.	42	7.89	2690	2732	2378	354	9.98	3320	664	2656	H.D.	16	16	0	- 98	1.60	14	14	0	112
6.61	5900	2700	3200	54	14	10.38	2.02	51	7.84	2670	2721	2345	376	9.98	3320	496	2824	DRY	0	0	0	- 141	1.58	14	14	0	155
6.64	5710	2529	3181	- 210	15	10.79	2.04	52	7.67	2580	2632	2258	374	9.98	3320	513	2807	H.D.	71	71	0	- 313	1.58	14	14	0	327

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

1925 DISTRIBUTION WATER DISTRICT NO 36

DATE	JACKSON LAKE			MORAN				TWIN LK	DATE	HEISE						MORAN-HEISE				LORENZO		H-L		REXBURG		HEISE RILEY RETURNING	DATE
1925	GAGE	CAPACFT	DRAFTAF	GAGE	DISC	STD	NOR	DISC	MORAN	1925	GAGE	DISCH	RILEY	STD	TLK	NOR	TOT GN	L STO	LTL	GN NOR	STD	TLK	L STO	LTL	GAGE	DISC		1925
April	56.73	542870	11270	6.84	7330	5681	1649	30	7360	April	5.14	12810	12834	3559	80	12765	5414	143	0	5616	5280	37	249	1	5357			April
12	56.33	535170	11700	6.85	7350	5849	1451	30	7380	13	5.11	12690	12712	3552	29	6951	5332	147	1	5480	5505	38	247	1	5572			13
13	55.78	524680	10490	6.82	7290	5289	2001	30	7320	14	5.16	12900	12920	5157	29	7134	5600	132	1	5733	4956	38	201	1	4833			14
14	55.33	514220	10460	6.61	6870	5274	1596	30	6900	15	5.11	12690	12714	5142	29	7543	5814	132	1	5947	4957	38	185	1	4537			15
15	54.91	504470	9750	6.51	6400	4916	1484	35	6435	16	4.92	11910	11933	4733	34	7106	5498	173	1	5622	4562	33	211	1	4538			16
16	54.51	495240	9230	6.14	5970	4654	1316	34	6004	17	4.77	11310	11330	4538	33	6757	5326	116	1	5443	4516	32	222	1	4441			17
17	54.15	486930	8310	5.82	5400	4190	1210	30	5430	18	4.62	10720	10739	4035	29	6625	5369	105	1	5515	3948	28	217	1	4422			18
18	53.83	479570	7360	5.42	4830	3711	1119	26	4856	19	4.44	10020	10039	3618	24	6390	5178	93	0	5271	3475	26	195	1	4403			19
19	53.53	472700	6870	5.33	4580	3464	1116	21	4601	20	4.32	9370	9375	3377	20	6178	4974	87	1	5062	3188	19	189	1	4401			20
20	53.24	466050	6650	5.20	4370	3353	1017	20	4390	21	4.23	9240	9254	3269	20	5965	4864	84	0	4948	3079	19	190	1	4405			21
21	52.95	459420	6630	5.20	4370	3343	1027	18	4388	22	4.20	9130	9135	3259	17	6859	4747	84	1	4832	3060	16	199	1	4401			22
22	52.65	452600	6820	5.19	4350	3438	912	18	4368	23	4.17	9020	9038	3352	18	5668	4670	86	0	4756	3121	17	231	1	4403			23
23	52.35	445270	6930	5.20	4370	3443	927	17	4387	24	4.15	8950	8968	3357	16	5595	4581	86	1	4668	3133	15	225	1	4374			24
24	52.04	438120	7050	5.21	4370	3554	816	11	4407	25	4.13	8880	8897	3465	17	5415	4490	89	0	4579	3205	16	240	2	4371			25
25	51.75	432180	6540	5.21	4370	3277	1093	16	4406	26	4.16	8970	9011	3215	15	5781	4605	82	1	4688	3231	14	244	1	4385			26
26	51.50	426540	5440	5.21	4390	3843	1547	15	4405	27	4.29	9460	9481	3772	15	6694	5076	71	0	5147	3578	14	194	1	4388			27
27	51.27	421350	5190	5.20	4370	2617	1753	15	4385	28	4.41	9910	9931	2551	15	7365	5546	66	0	5612	2918	14	173	1	4411			28
28	51.00	415260	6090	5.19	4350	3070	1280	15	4365	29	4.31	9940	9559	2923	14	6552	5194	77	1	5272	2810	13	183	1	4530			29
29	50.68	408100	7160	5.47	4800	3610	1190	15	4815	30	4.24	9350	9369	3520	15	5834	4554	90	0	4644	3309	14	211	1	4414			30
30	50.31	399830	8270	5.76	5290	4169	1121	15	5305	31	4.40	9870	9889	4065	15	5809	4584	104	0	4688	3829	14	236	1	4416			31
31	49.95	391790	8040	5.75	5280	4054	1226	15	5295	Sept 1	4.40	9870	9890	3953	14	5923	4595	101	1	4697	3724	14	229	0	4424			Sept 1
Sept 1	49.59	383820	7970	5.73	5240	4018	1222	25	5265	2	4.37	9760	9780	3918	25	5837	4515	100	0	4615	3691	24	227	1	4421			2
2	49.26	376510	7310	5.45	4770	3685	1105	25	4815	3	4.28	9430	9449	3595	24	5832	4634	92	1	4727	3435	23	158	1	4411			3
3	48.98	370310	6200	5.16	4510	3326	1184	30	4340	4	4.15	8950	8969	3048	29	5872	4629	78	1	4708	2899	28	149	1	4324			4
4	48.74	365050	5260	4.72	3450	2652	998	35	3485	5	4.02	8490	8509	2586	35	5888	4824	66	0	4890	2428	33	159	2	4223			5
5	48.54	360660	4390	4.44	3260	2213	1047	35	3295	6	3.92	8140	8158	2158	34	5966	4863	55	1	4917	2026	32	132	2	4177			6
6	48.32	360220	440	H.O.	1580	222	1358	35	1615	7	3.63	7180	7191	216	34	6941	5376	6	1	5383	201	32	15	2	4337			7
7	48.33	360880		2.25	924			35	959	8	3.21	5870	5895				4936								4446			8
8	48.34	360660		2.64	1240			35	1275	9	3.23	5950	5954				4679								4311			9
9	48.33	360440		2.53	1140			35	1175	10	3.22	5720	5924				4749								4373			10
10	48.38	361540		H.O.	397			35	432	11	3.09	5520	5524				5092								4445			11
11	48.65	363070		0.29	39			35	74	12	2.80	4770	4773				4699								4333			12
12	48.71	364390		0.26	34			35	69	13	2.72	4560	4563				4494								4335			13
13	48.78	365920		0.26	34			35	69	14	2.73	4590	4592				4523								4338			14
14	48.85	367460		0.24	32			35	67	15	2.69	4480	4482				4415								4344			15
15	48.91	368780		0.24	32			35	67	16	2.67	4440	4441				4374								4347			16
16	48.97	370090		0.23	30			35	65	17	2.63	4340	4340				4275								4357			17
17	49.03	371410		0.22	29			30	59	18	2.64	4360	4362				4305								4348			18
18	49.11	373190		0.22	29			30	59	19	2.75	4640	4644				4585								4355			19
19	49.19	374960		0.24	32			30	62	20	2.73	4590	4594				4532								4324			20
20	49.28	376950		0.23	30			30	60	21	2.83	4850	4854				4794								4390			21
21	49.37	378940		0.23	30			30	60	22	2.84	4870	4875				4815								5304			22
22	49.44	380500		0.23	30			30	60	23	2.75	4440	4445				4585								5104			23
23	49.51	382030		0.21	27			30	57	24	2.70	4570	4514				4457								4377			24
24	49.57	383380		0.21	27			30	57	25	2.66	4410	4413				4356								4371			25
25	49.62	384480		0.20	26			25	51	26	2.62	4310	4312				4261								4464			26
26	49.67	385590		0.20	26			25	51	27	2.57	4240	4242				4191								4465			27
27	49.72	386700		(0.21)	27			25	52	28	2.57	4190	4192				4140								4458			28
28	49.77	387250		0.20	26			25	51	29	2.51	4210	4212				4161								4437			29
TOTAL			487010			72554								33333			151347	4151	43		96431	4718	5997	21				
MEAN																	10531											

DAILY SUMMARY OF DATA AT AND BETWEEN SNAKE RIVER GAGING

RG C	HEISE RILEY REXBURG	DATE 1925	DIV HEISE WOOD TOTAL	STD	TLK	NOR	WOOD TH BAL	WOODVILLE GAGE	DISCH	STD	NOR	LOR-WOOD L55STD	L TL	HEISE-WOODVILLE TOTGN	L STD	LTL	GNNOR	DIV WOOD BLACK	BLACK TH BAL	BLACKFOOT BRIDGE DISCH	STD	NOR	WOOD-BLACK TOTGN	L STD	GNNOR	CUM LOSS STD	CUMM APTO STD	BLACK GAGE	DI
20	14004	Aug 31	6752	135		6617	7252	7.57	8170	5158	3012	26	0	918	275	1	1194	2774	5396	5400	4848	552	4	310	314			5.78	1
60	13972	14	6686	111	37	6575	7286	7.67	8520	5357	3163	28	0	1234	275	1	1510	2787	5733	5750	5036	714	17	321	338			6.09	2
90	14610	15	6561	99	58	6462	8049	7.83	9080	4802	4278	25	0	1031	226	1	1258	2767	6313	6350	4514	1836	37	288	325			6.42	3
90	14604	16	6302	40	55	6262	8302	7.87	9220	4865	4355	25	0	918	210	1	1129	2673	6543	6590	4513	2017	43	292	335			6.90	3
90	13823	17	6057	24	65	5963	7766	7.72	8690	4432	4258	23	1	924	234	2	1160	2564	6126	6120	4166	1954	- 6	266	260			6.80	3
60	13290	18	5870	47	66	5823	7420	7.59	8240	4213	4027	22	0	820	244	1	1065	2475	5765	5720	3960	1760	- 45	253	208			6.70	3
60	12499	19	5620	43	63	5577	6879	7.41	7620	3771	3849	19	0	741	236	1	978	2487	5131	5040	3545	1495	- 91	226	135			6.05	2
90	11724	20	5563	41		5522	6161	7.20	6920	3390	3530	17	0	759	212	1	972	2519	4401	4310	3187	1123	- 91	203	112			5.81	1
50	11225	21	5525	52	57	5473	5700	7.05	6430	3082	3348	16	0	730	205	1	936	2548	3882	3770	2897	873	- 112	185	73			5.78	1
50	10904	22	5789	53	43	5736	5115	693	6050	2987	3063	15	0	935	205	1	1141	2575	3475	3310	2808	502	- 165	179	14			5.43	1
40	10775	23	5983	42		5941	4792	6.80	5640	3019	2621	15	0	848	214	1	1063	2541	3099	2920	2838	82	- 179	181	2			5.55	1
10	10648	24	5902	40		5862	4746	6.73	5420	3082	2338	16	0	674	247	1	922	2474	2946	2760	2827	- 137	- 186	185	- 1	137	-137	5.40	1
40	10508	25	6044	40		6004	4464	6.67	5240	3091	2149	16	0	776	241	1	1018	2451	2789	2600	2906	- 306	- 189	185	- 4	443	-306	5.78	1
90	10387	26	5988	43		5945	4599	6.63	5120	3161	1959	16	1	721	276	2	999	2462	2658	2510	2971	- 461	- 148	190	42	304	-461	5.64	1
70	10481	27	6083	75		6008	4398	6.66	5210	2895	2315	15	0	812	259	1	1072	2471	2739	2540	2721	- 181	- 199	174	- 25	1085	-181	5.62	1
00	10981	28	6120	64		6056	4861	6.82	5700	2515	3185	13	0	839	207	1	1047	2546	3134	3940	2364	576	- 194	151	- 43	509	-319	5.79	1
70	11601	29	5766	41		5725	5835	7.06	6460	2339	4121	12	0	625	185	1	811	2617	3843	3670	2199	1471	- 173	140	- 33	0	-509	6.33	2
20	11379	30	5365	45		5320	6014	7.16	6790	2764	4026	14	0	776	197	1	974	2556	4234	3990	2598	1392	- 244	166	- 78			7.05	4
90	11059	31	5533	52		5481	5526	7.13	6690	3254	3436	17	0	1164	228	1	1393	2450	4240	4080	3059	1021	- 160	195	35			6.80	3
10	11599	Sept 1	5475				6124	7.27	7150	3824	3326	19	0	1026	255	1	1282	2514	4636	4470	3595	875	- 166	229	63			6.87	3
70	11660	2	5404				6256	(7.27)	7220	3719	3501	19	0	964	248	0	1212	2461	4159	4600	3496	1104	- 159	223	64			7.00	4
50	11530	3	4962				6568		7150	3697	3453	18	0	582	245	1	828	2388	4762	4770	3475	1295	8	222	230			6.87	3
30	11179	4	4710				6469		7090	3441	3649	17	0	621	175	1	797	2364	4726	4690	3234	1456	- 36	207	171			5.93	1
70	10739	5	4405				6334	(7.23)	7020	2913	4107	14	0	686	163	1	850	2344	4676	4520	2738	1782	- 156	175	19			5.90	1
70	10279	6	4142				6137	7.15	6760	2448	4312	12	1	623	170	3	796	2292	4468	4280	2301	1979	- 188	147	- 41			6.08	2
10	9968	7	3896				6072	7.05	6430	2048	4382	10	0	358	142	2	502	2244	4186	4070	1725	2145	- 116	123	7			5.85	1
70	9081	8	3567				5514	6.93	6050	232	5818	1	0	536	16	2	554	2188	3862	3720	218	3502	- 142	14	- 128			6.12	2
50	7845	9	3635				4210	6.68	5270					1060				2077	3193	3120			- 73					6.20	2
260	8214	10	3716				4498	6.62	5090					592				2069	3021	2970			- 51					6.60	3
180	8104	11	3673				4431	6.63	5120					689				2077	3043	2980			- 63					6.78	3
940	7464	12	3557				3907	6.50	4740					833				2014	2726	2680			- 46					6.80	3
850	6623	13	3525				3078	6.26	4090					772				1919	2171	2160			- 11					6.50	3
860	6423	14	3181				3242	6.20	3930					688				1879	2051	2050			- 1					6.12	2
860	6452	15	3536				2916	6.07	3620					704				1814	1806	1820			14					6.08	2
930	6412	16	3598				2814	6.05	3580					766				1799	1781	1630			- 151					6.00	2
980	6421	17	3684				2737	6.06	3600					863				1769	1831	1670			- 161					5.90	1
960	6300	18	3769				2531	6.01	3480					949				1718	1762	1740			- 22					6.00	2
970	6332	19	3870				2462	5.99	3440					978				1689	1751	1700			- 51					6.30	2
030	6674	20	3821				2853	6.03	3530					677				1694	1836	1710			- 126					6.90	3
190	6784	21	3646				3138	6.17	3860					722				1681	2179	2270			91					8.20	6
340	7194	22	3281				3713	6.47	4460					747				1448	3212	3100			- 112					7.58	6
460	7335	23	3105				4230	6.55	4880					650				1255	3625	3560			- 65					8.21	6
480	7125	24	3015				4110	6.58	4970					860				1175	3775	3710			- 85					8.07	6
270	6784	25	2979				3785	6.58	4970					1185				1111	3859	3730			- 129					7.80	5
090	6503	26	1782				4721	6.50	4740					19				1114	3626	3490			- 136					7.80	5
990	6302	27	2944				3358	6.50	4740					1382				1116	3484	3290			- 194					7.90	5
980	6222	28	2798				3424	6.45	4600					1176				1101	3389	3200			- 189					8.53	5
940	6132	29	2129				4003	6.41	4490					487				950	3590									8.75	5
930	6142	30	2642				3500	(6.43)	4540					1040															
				4884	444					22185		1147	51	12582	1145	44										20854		38815	3311
														736									- 266					

GING STATIONS FROM JACKSON LAKE WYOMING TO MILNER IDAHO

DRR PPD STD	BLACK RIVER			S-M	CLOUGH	CLOUGHS				B-C	DATE	NEELEY		C-N	DATE	LAKE WALCOTT			NSMINC		SSMINC		NS+SS MINC		
	GAGE	DISC	BLACK	CAN	TH BAL	GAGE	DISCH	STD	NOR	GAIN	1925	GAGE	DISCH	STD	NOR	GAIN	1925	GAGE	CAP AC FT	DRAFT	GAGE	DISC	GAGE	DISC	TOTAL	STD	NO
	5.78	160	5560	2	3558	5.46	5740	4848	892	182	Aug 14	5.99	8410	4848	3562	2670	Aug 15	45.67	103260	- 792	8.38	1230	5.12	882	2112	1950	1
	6.09	232	5982	4	5978	5.62	6140	5036	1104	162	15	6.12	8860	5036	3824	2720	16	45.90	106030	- 1397	8.44	1240	5.03	857	2097	1673	4
	6.42	307	6657	1	6656	5.87	6800	4514	2286	144	16	6.30	7500	4514	4986	2700	17	46.12	108740	- 1366	8.40	1240	4.96	837	2077	491	15
	6.90	390	6980	0	6980	5.97	7070	4573	2497	90	17	6.37	9760	4573	5187	2690	18	46.07	108110	317	8.21	1190	4.82	799	1989	263	17
	6.80	373	6493	0	6493	5.77	6530	4166	2364	37	18	6.24	7280	4166	5114	2750	19	45.98	106990	565	8.21	1190	4.86	810	2000	286	17
	6.70	356	6076	0	6076	5.58	6040	3960	2080	- 36	19	6.05	8620	3960	4660	2580	20	45.98	106990	0	8.49	1260	4.96	837	2097	837	12
	6.05	222	5262	0	5262	5.26	5250	3545	1705	- 12	20	5.92	8170	3545	4625	2920	21	45.92	106270	363	8.77	1330	5.09	873	2203	978	12
	5.81	166	4476	0	4476	4.91	4580	3187	1393	104	21	5.69	7400	3187	4213	2820	22	45.75	104220	1034	8.83	1340	5.17	896	2236	1423	8
	5.78	160	3930	0	3930	4.72	4040	2897	1143	110	22	5.48	6720	2897	3823	2680	23	45.57	102050	1094	8.82	1340	5.20	904	2244	1821	4
	5.43	100	3410	0	3410	4.53	3660	2808	852	250	23	5.40	6470	2808	3662	2810	24	45.40	100010	1028	8.80	1330	5.24	916	2246	1984	2
	5.55	118	3038	0	3038	4.31	3240	2838	402	202	24	5.20	5860	2838	3022	2620	25	45.19	97470	1281	8.81	1340	5.30	933	2273	2273	
137	5.60	126	2886	0	2886	4.25	3130	2760	370	244	25	5.15	5720	2760	2960	2590	26	44.98	94950	1270	8.91	1360	5.32	939	2299	2299	
306	5.78	160	2760	0	2760	4.13	2910	2600	310	150	26	5.13	5660	2600	3060	2750	27	44.80	92860	1054	8.95	1370	5.31	953	2323	2323	
461	5.64	133	2643	0	2643	4.09	2840	2510	330	197	27	5.15	5720	2510	3210	2880	28	44.55	87940	1472	8.93	1370	5.39	959	2329	2329	
181	5.62	130	2670	0	2670	4.16	2970	2540	430	300	28	5.14	5690	2540	3150	2720	29	44.35	87620	1170	8.85	1350	5.32	939	2289	2289	
576	5.79	162	3102	0	3102	4.43	3470	2940	530	368	29	5.22	5920	2940	2980	2450	30	44.29	86920	353	8.77	1330	5.18	899	2229	2229	
509	6.33	289	3959	0	3959	4.82	4250	2708	1542	291	30	5.53	6880	2708	4172	2630	31	44.32	87270	- 176	8.78	1330	5.20	904	2234	1462	7
	7.05	416	4406	0	4406	5.04	4740	2598	2142	334	31	5.67	7330	2598	4732	2590	Sep 1	44.42	88430	- 585	8.67	1300	5.15	890	2190	858	13
	6.80	373	4453	0	4453	5.03	4720	3059	1661	267	Sep 1	5.70	7430	3059	4371	2710	2	44.55	89940	- 761	8.60	1280	5.12	882	2162	1191	9
	6.89	388	4858	2	4856	5.21	5130	3595	1535	274	2	5.85	7930	3595	4335	2800	3	44.70	91690	- 882	8.60	1280	5.12	882	2162	1227	9
	7.00	407	5007	2	5005	5.25	5230	3496	1734	225	3	5.83	7860	3496	4364	2630	4	44.88	93790	- 1059	8.63	1290	5.04	859	2149	1185	9
	6.89	388	5158	2	5156	5.26	5250	3475	1775	94	4	5.87	8000	3475	4525	2750	5	45.00	95180	- 701	8.65	1300	4.97	840	2140	1015	11
	5.93	193	4883	2	4881	5.18	5060	3234	1826	179	5	5.84	7900	3234	4666	2840	6	45.15	96990	- 913	8.63	1290	4.97	840	2130	864	12
	5.90	186	4706	3	4703	5.11	4900	2738	2162	197	6	5.82	7830	2738	5092	2930	7	45.32	99040	- 1034	8.33	1220	4.87	812	2032	340	16
	5.90	186	4466	3	4463	5.00	4650	2301	2349	187	7	5.74	7560	2301	5259	2910	8	45.48	100970	- 973	7.88	1110	4.62	746	1856	130	17
	6.08	229	4299	3	4296	5.01	4670	1925	2745	374	8	5.72	7500	1925	5575	2830	9	45.61	102540	- 792	7.82	1100	4.35	677	1777	51	17
	5.85	175	3895	1	3894	4.75	4100	218	3882	206	9	5.58	7040	218	6822	2940	10	45.71	103740	- 605	7.62	1050	4.21	643	1693	- 33	17
	6.12	239	3959	1	3958	4.50	3600			242	10	5.40	6470			2870	11	45.81	104940	- 605	7.36	993	4.13	624	1617	- 109	17
	6.20	260	3230	0	3230	4.44	3490			260	11	5.42	6530			3040	12	45.88	105790	- 429	7.24	967	4.08	612	1579	- 147	17
	6.60	339	3319	0	3319	4.48	3560			241	12	5.39	6440			2880	13	45.88	105790	0	7.26	971	3.92	575	1546	- 180	17
	6.78	370	3050	0	3050	4.32	3260			210	13	5.27	6070			2810	14	45.88	105790	0	7.25	969	3.77	542	1511	- 215	17
	6.80	373	2533	0	2533	4.00	2690			157	14	5.13	5660			2970	15	45.87	105670	61	7.26	971	3.69	525	1496	- 230	17
	6.50	321	2371	0	2371	3.86	2460			89	15	5.01	5320			2860	16	45.91	106150	- 242	7.26	971	3.69	525	1496	- 230	17
	6.12	239	2059	0	2059	3.63	2100			41	16	4.85	4880			2780	17	45.93	106390	- 121	7.27	973	3.69	525	1498	18	14
	6.08	229	1859	0	1859	3.60	2050			191	17	4.82	4790			2740	18	46.00	107360	- 489	7.15	947	3.67	525	1472		
	6.00	209	1879	0	1879	3.62	2080			201	18	4.90	5010			2930	19	45.95	106630	368	6.82	876	3.67	525	1401		
	5.90	186	1926	0	1926	3.62	2080			154	19	4.93	5090			3010	20	45.89	105910	363	6.78	868	3.63	511	1379		
	6.00	209	1909	0	1909	3.66	2140			231	20	4.87	4930			2790	21	45.87	105670	121	H.D	695	3.13	410	1105		
	6.30	283	1993	0	1993	(3.77)	2310			317	21	5.12	5630			3320	22	45.69	103500	1094	5.28	574	2.80	349	923		
	6.90	390	2660	0	2660	4.07	2840			180	22	5.17	5770			2930	23	45.49	101090	1215	5.25	569	2.56	308	877		
	8.20	624	3724	0	3724	4.63	3860			136	23	5.48	6720			2860	24	45.40	100010	545	5.24	567	2.54	304	871		
	8.58	696	4256	0	4256	4.84	4900			44	24	5.72	7500			3200	25	45.28	98560	731	5.23	565	2.53	302	867		
	8.21	626	4336	0	4336	4.90	4430			94	25	5.64	7230			2800	26	45.06	95910	1336	5.25	569	2.52	301	870		
	7.07	419	4149	0	4147	4.83	4280			131	26	5.52	6840			2560	27	45.00	95180	368	5.23	565	2.50	297	862		
	6.87	388	3878	0	3878	4.73	4060			182	27	5.50	6780			2720	28	44.90	94020	585	5.22	564	2.75	340	904		
	6.87	388	3878	0	3878	4.72	4040			162	28	5.45	6620			2580	29	44.97	95070	- 527	5.21	562	2.74	338	900		
	6.70	390	3680	0	3680	4.60	3800			120	29	5.45	6620			2820	30	45.08	96150	- 544	5.23	565	2.40	281	846		
	6.53	326	3526	0	3526	4.53	3660			134	30	5.56	6970			3310	Oct 1	45.09	96270	- 61	5.23	565	2.27	261	826		
	6.15	247		0		4.59	3780				Oct 1	5.56	6970			3190	2	45.06	95910	182	5.22	564	2.18	246	810		
								208546		17394				208546		407700				60							
										119						2665											

PLATE NO 2

CANS NOR	MIN TH BAL	MINIDOKA GAGE	DISCH	STD	NOR	N-M LOSS	DATE 1925	L MIL GAGE	PA LAT GAGE	DISC	N STF CAN GAGE	DISC	PA + N STF CAN TOTAL	STD	NOR	S STF CANAL GAGE	DISC	STD	NOR	MIL L LIFT CAN GAGE	DISC	STD	NOR	MIL TH BAL	MILNER GAGE	DISC	STD	NOR
142	5506	6.48	5560	2160	3400	- 54	Aug 16	10.88	2.03	52	7.64	2560	2612	2212	400	9.99	3320	320	3000	266	90	90	0	- 462	1.60	14	14	0
424	5346	6.47	5540	2140	3400	- 174	17	10.96	2.03	52	7.61	2550	2602	2202	400	9.91	3280	280	3000	255	85	85	0	- 427	H.D.	583	583	0
1536	6057	6.54	5710	2310	3400	347	18	10.79	2.04	52	7.60	2540	2592	2192	400	9.80	3200	200	3000	H.D.	82	82	0	- 164	6.07	1650	1650	0
1726	8088	7.17	7400	3739	3461	688	19	10.81	2.04	52	7.59	2540	2591	2131	461	9.80	3190	190	3000	2.58	86	86	0	1932	7.00	2500	2500	0
1714	7845	7.24	7590	4190	3400	255	20	10.84	2.04	52	7.58	2530	2582	2182	400	9.70	3120	120	3000	2.50	82	82	0	1806	H.D.	524	524	0
1260	6523	6.40	5360	1960	3400	1163	21	10.76	2.04	52	7.57	2530	2582	2182	400	9.63	3070	70	3000	2.58	86	86	0	- 378	1.70	17	17	0
1225	6330	6.35	5240	1840	3400	1090	22	10.72	2.04	52	7.41	2440	2492	2092	400	9.50	2990	- 10	3000	2.56	86	86	0	- 328	1.54	13	13	0
813	6198	6.31	5140	1740	3400	1058	23	10.64	2.03	52	7.28	2370	2422	2022	400	9.42	2930	- 70	3000	2.58	86	86	0	- 298	1.54	13	13	0
423	5570	6.25	4990	1590	3400	580	24	10.62	2.02	51	7.30	2380	2431	2031	400	9.48	2960	- 40	3000	2.58	86	86	0	- 487	1.56	13	13	0
262	5252	6.23	4940	1540	3400	312	25	10.62	2.00	50	7.14	2300	2350	1950	400	9.45	2940	- 60	3000	2.58	86	86	0	- 436	1.56	13	13	0
0	4868	6.13	4700	1678	3022	168	26	10.44	2.00	50	7.09	2270	2320	1964	356	9.43	2930	264	2666	2.56	86	86	0	- 636	1.58	14	14	0
0	4691	6.05	4520	1560	2960	171	27	10.20	1.99	49	7.08	2270	2319	1971	348	9.44	2930	318	2612	H.D.	70	70	0	- 799	1.57	14	14	0
0	4391	6.08	4580	1520	3060	- 189	28	9.92	1.98	49	7.06	2260	2309	1949	360	9.45	2940	240	2700	2.57	86	86	0	- 755	1.56	13	13	0
0	4863	6.18	4820	1610	3210	43	29	9.98	1.98	49	7.09	2270	2319	1941	378	9.47	2950	118	2832	2.54	84	84	0	- 593	1.56	13	13	0
0	4571	6.27	5040	1890	3150	- 469	30	10.12	1.98	49	7.10	2280	2329	1958	371	9.45	2940	161	2779	2.55	85	85	0	- 314	1.56	13	13	0
0	4044	6.25	4990	2010	2780	- 946	31	10.19	1.97	48	7.09	2270	2318	1967	351	9.45	2940	311	2629	2.56	86	86	0	- 354	1.58	14	14	0
772	4470	6.19	4850	1450	3400	- 380	Sep 1	10.24	1.96	48	7.08	2270	2318	1918	400	9.45	2940	- 60	3000	2.57	86	86	0	- 494	1.57	14	14	0
1332	4555	6.20	4870	1470	3400	- 315	2	10.21	1.96	48	7.09	2270	2318	1918	400	9.44	2930	- 70	3000	2.61	88	88	0	- 466	1.55	13	13	0
971	4507	6.15	4750	1350	3400	- 243	3	10.20	1.96	48	7.07	2260	2308	1908	400	9.44	2930	- 70	3000	2.52	84	84	0	- 572	1.54	13	13	0
935	4886	6.14	4730	1330	3400	156	4	10.16	1.96	48	7.06	2260	2308	1908	400	9.45	2940	- 60	3000	2.60	88	88	0	- 606	1.54	13	13	0
764	4652	6.12	4680	1280	3400	- 28	5	10.21	1.96	48	6.99	2220	2268	1868	400	9.46	2950	- 50	3000	2.60	88	88	0	- 626	1.53	13	13	0
1125	5159	6.15	4750	1350	3400	409	6	10.23	1.96	48	7.01	2230	2278	1878	400	9.44	2930	- 70	3000	2.14	64	64	0	- 522	1.54	13	13	0
1246	4857	6.11	4650	1250	3400	207	7	10.24	1.96	48	6.98	2220	2268	1868	400	9.45	2940	- 60	3000	1.92	54	54	0	- 612	1.53	13	13	0
1692	4764	6.09	4610	1210	3400	154	8	10.27	1.96	48	7.02	2240	2288	1888	400	9.38	2900	- 100	3000	1.92	54	54	0	- 632	1.54	13	13	0
1726	4731	6.03	4470	937	3533	261	9	10.28	1.96	48	7.01	2230	2278	1745	533	9.27	2850	- 150	3000	1.93	54	54	0	- 712	1.55	13	13	0
1726	4931	5.93	4240	391	3849	691	10	10.24	1.76	36	7.00	2230	2266	1417	849	9.24	2820	- 180	3000	1.93	54	54	0	- 900	1.55	13	13	0
1726	4742	5.90	4170	- 926	5096	572	11	10.25	1.68	32	6.98	2220	2252	156	2096	9.15	2770	- 230	3000	1.92	54	54	0	- 706	1.56	13	13	0
1726	4248	5.86	4080	- 664	4744	168	12	10.27	1.68	32	7.02	2240	2272	528	1744	8.92	2640	- 360	3000	1.92	54	54	0	- 886	1.56	13	13	0
1726	4522	5.97	4330	- 474	4804	192	13	10.49	1.68	32	7.02	2240	2272	468	1804	8.82	2590	- 410	3000	1.93	54	54	0	- 586	1.58	14	14	0
1726	4894	6.00	4400	- 314	4714	494	14	10.74	1.68	32	6.97	2210	2242	528	1714	8.74	2550	- 450	3000	1.93	54	54	0	- 446	1.62	15	15	0
1726	4559	5.88	4130	- 214	4344	429	15	10.76	1.68	32	6.92	2190	2222	878	1344	8.42	2380	- 620	3000	1.93	54	54	0	- 526	H.D.	163	163	0
1726	4225	5.63	3580	- 354	3934	645	16	10.56	1.69	32	6.79	2120	2152	1218	934	8.17	2250	- 750	3000	1.93	54	54	0	- 876	1.85	23	23	0
1726	3582	5.33	3000	- 594	3594	582	17	10.41	H.D.	27	H.D.	1390	1417	823	594	8.08	2200	- 800	3000	1.94	54	54	0	- 671	1.85	23	23	0
1480	3261	5.33	3000	- 400	3400	261	18	10.64	DRY	0	3.97	898	898	498	400	7.89	2110	- 890	3000	1.93	54	54	0	- 62	1.87	23	23	0
	2829	5.36	3060			- 231	19	11.04	DRY	0	3.93	882	882			7.77	2050			1.89	52			76	H.D.	1040		
	3977	5.69	3710			267	20	10.92	DRY	0	3.93	882	882			7.77	2050			1.89	52			726	6.58	1110		
	4074	6.01	4420			- 346	21	10.88	DRY	0	3.92	879	879			H.D.	1960			1.87	51			1530	7.52	2810		
	3946	6.21	4890			- 944	22	10.92	DRY	0	3.91	875	875			6.58	1500			1.82	49			2446	8.60	4080		
	5801	6.70	6130			- 329	23	10.95	DRY	0	3.91	875	875			6.59	1510			1.77	46			3699	9.22	4730		
	6108	6.97	6850			- 742	24	10.96	DRY	0	4.05	930	930			6.61	1520			1.76	46			4354	9.66	5190		
	6324	7.08	7150			- 756	25	10.96	DRY	0	4.07	938	938			6.62	1520			1.70	43			4649	9.47	4990		
	7364	7.07	7120			244	26	10.98	DRY	0	4.08	942	942			6.77	1590			1.68	42			4546	9.32	4830		
	7696	7.05	7060			636	27	10.94	DRY	0	H.D.	1620	1620			7.17	1770			1.72	44			3626	8.48	3960		
	6346	6.83	6470			- 124	28	10.42	DRY	0	4.18	983	983			7.35	1840			1.70	43			3604	8.36	3840		
	6461	6.67	6100			361	29	10.79	DRY	0	H.D.	1650	1650			7.23	1790			1.69	43			2617	H.D.	2270		
	5191	6.51	5640			- 449	30	10.67	DRY	0	3.86	855	855			7.10	1730			1.70	43			3012	8.27	3750		
	5230	6.40	5360			- 130	Oct 1	10.48	Est	0	3.43	700	700			7.02	1700			DRY	0			2760	8.43	3910		
	6083	6.65	6000			83	2	10.40	Est	0	3.16	613	613			6.65	1530			DRY	0			3857	9.18	4680		
	6342	6.77	6910			32	3	10.18	Est	0	3.16	613	613			6.58	1500			DRY	0			4127	9.62	5150		
						28822																						
						188																						

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

PLATE NO X

MIN	MINIDOKA				N-M	DATE	L MIL	PA LAT		N5TF CAN		PA+N5TF CAN			5STF CANAL				MIL L LIFT CAN				MIL	MILNER				M-M
TH BAL	GAGE	DISCH	STD	NOR	LOSS	1925	GAGE	GAGE	DISC	GAGE	DISC	TOTAL	STD	NOR	GAGE	DISC	STD	NOR	GAGE	DISC	STD	NOR	TH BAL	GAGE	DISC	STD	NOR	GAIN
5506	648	5560	2160	3400	- 54	Aug 16	10.88	2.03	52	7.64	2560	2612	2212	400	9.99	3320	320	3000	266	90	90	0	- 462	1.60	14	14	0	476
5366	647	5540	2140	3400	- 174	17	10.96	2.03	52	7.61	2550	2602	2202	400	9.91	3280	280	3000	255	85	85	0	- 427	H.D.	583	583	0	1010
6057	654	5710	2310	3400	347	18	10.79	2.04	52	7.60	2540	2592	2192	400	9.80	3200	200	3000	H.D.	82	82	0	- 164	6.07	1650	1650	0	1814
8088	737	7400	3739	3461	688	19	10.81	2.04	52	7.59	2540	2592	2131	461	9.80	3190	190	3000	258	86	86	0	1532	7.00	2500	2500	0	968
7845	724	7590	4170	3400	255	20	10.84	2.04	52	7.58	2530	2582	2182	400	9.70	3120	120	3000	250	82	82	0	1806	H.D.	524	524	0	-1282
6523	640	5960	1960	3400	1163	21	10.76	2.04	52	7.57	2530	2582	2182	400	9.63	3070	70	3000	258	86	86	0	- 378	1.70	17	17	0	395
6330	635	5240	1840	3400	1090	22	10.72	2.04	52	7.41	2440	2492	2092	400	9.50	2990	- 10	3000	256	86	86	0	- 328	1.54	13	13	0	341
6198	631	5140	1740	3400	1058	23	10.64	2.03	52	7.28	2370	2422	2022	400	9.42	2930	- 70	3000	258	86	86	0	- 298	1.54	13	13	0	311
5570	625	4990	1590	3400	580	24	10.62	2.02	51	7.30	2380	2431	2031	400	9.48	2960	- 40	3000	258	86	86	0	- 487	1.56	13	13	0	500
5252	623	4940	1540	3400	312	25	10.62	2.00	50	7.14	2300	2350	1950	400	9.45	2940	- 60	3000	258	86	86	0	- 436	1.56	13	13	0	447
4968	613	4700	1678	3022	168	26	10.44	2.00	50	7.09	2270	2320	1964	356	9.43	2930	264	2666	256	86	86	0	- 636	1.58	14	14	0	650
4691	605	4520	1560	2960	171	27	10.20	1.99	49	7.08	2270	2319	1971	348	9.44	2930	318	2612	H.D.	70	70	0	- 797	1.57	14	14	0	813
4391	608	4580	1520	3060	- 189	28	9.92	1.98	49	7.06	2260	2309	1949	360	9.45	2940	240	2700	257	86	86	0	- 755	1.56	13	13	0	768
4863	618	4820	1610	3210	43	29	9.98	1.98	49	7.09	2270	2319	1941	378	9.47	2950	118	2832	254	84	84	0	- 533	1.56	13	13	0	546
4571	627	5040	1890	3150	- 469	30	10.12	1.98	49	7.10	2280	2329	1958	371	9.45	2940	161	2779	255	85	85	0	- 314	1.56	13	13	0	327
4044	625	4990	2010	2980	- 246	31	10.17	1.97	48	7.09	2270	2318	1967	351	9.45	2940	311	2629	256	86	86	0	- 354	1.58	14	14	0	368
4470	619	4850	1450	3400	- 380	SEP 1	10.24	1.96	48	7.08	2270	2318	1918	400	9.45	2940	- 60	3000	257	86	86	0	- 494	1.57	14	14	0	508
4555	620	4870	1470	3400	- 315	2	10.21	1.96	48	7.09	2270	2318	1918	400	9.44	2930	- 70	3000	261	88	88	0	- 466	1.55	13	13	0	+77
4507	615	4750	1350	3400	- 243	3	10.20	1.96	48	7.07	2260	2308	1908	400	9.44	2930	- 70	3000	252	84	84	0	- 572	1.54	13	13	0	585
4886	614	4730	1330	3400	156	4	10.16	1.96	48	7.06	2260	2308	1908	400	9.45	2940	- 60	3000	260	88	88	0	- 606	1.54	13	13	0	619
4632	612	4680	1280	3400	- 28	5	10.21	1.96	48	6.99	2220	2268	1868	400	9.46	2950	- 50	3000	260	88	88	0	- 626	1.53	13	13	0	639
5159	615	4750	1350	3400	409	6	10.23	1.96	48	7.01	2230	2278	1878	400	9.44	2930	- 70	3000	214	64	64	0	- 522	1.54	13	13	0	535
4857	611	4650	1250	3400	207	7	10.24	1.96	48	6.98	2220	2268	1868	400	9.45	2940	- 60	3000	172	54	54	0	- 612	1.53	13	13	0	625
4764	609	4610	1210	3400	154	8	10.27	1.96	48	7.02	2240	2288	1888	400	9.38	2900	- 100	3000	192	54	54	0	- 632	1.54	13	13	0	645
4731	603	4470	937	3533	261	9	10.28	1.96	48	7.01	2230	2278	1745	533	9.29	2850	- 150	3000	193	54	54	0	- 712	1.55	13	13	0	725
4931	593	4240	391	3849	671	10	10.24	1.76	36	7.00	2230	2266	1417	849	9.24	2820	- 180	3000	193	54	54	0	- 900	1.55	13	13	0	913
4742	590	4170	- 926	5096	572	11	10.25	1.68	32	6.98	2220	2252	1256	2096	9.15	2770	- 230	3000	192	54	54	0	- 906	1.56	13	13	0	919
4248	586	4080	- 664	4744	168	12	10.27	1.68	32	7.02	2240	2272	1528	1744	8.92	2640	- 360	3000	192	54	54	0	- 886	1.56	13	13	0	899
4522	597	4330	- 474	4804	192	13	10.49	1.68	32	7.02	2240	2272	1468	1804	8.82	2590	- 410	3000	193	54	54	0	- 586	1.58	14	14	0	600
4894	600	4400	- 314	4714	494	14	10.74	1.68	32	6.97	2210	2242	1528	1714	8.74	2550	- 450	3000	193	54	54	0	- 448	1.62	15	15	0	461
4559	588	4130	- 214	4344	429	15	10.76	1.68	32	6.92	2190	2222	1878	1344	8.42	2380	- 620	3000	193	54	54	0	- 526	H.D.	163	163	0	689
4225	563	3580	- 354	3934	645	16	10.56	1.69	32	6.79	2120	2152	1218	934	8.17	2250	- 750	3000	194	54	54	0	- 876	1.85	23	23	0	899
3582	533	3000	- 594	3594	582	17	10.41	H.D.	27	H.D.	1390	1417	823	594	8.08	2200	- 800	3000	193	54	54	0	- 671	1.85	23	23	0	694
3261	533	3000	- 400	3400	261	18	10.64	DRY	0	3.97	898	898	498	400	7.89	2110	- 890	3000	193	54	54	0	- 62	1.87	23	23	0	85
2729	536	3060			- 231	19	11.04	DRY	0	3.93	882	882			7.77	2050			189	52			76	H.D.	1040			964
3277	567	3710			267	20	10.92	DRY	0	3.93	882	882			7.77	2050			189	52			726	6.58	1110			384
4074	601	4420			- 346	21	10.88	DRY	0	3.92	879	877			H.D.	1960			187	51			1530	7.32	2810			1290
3946	621	4870			- 944	22	10.92	DRY	0	3.91	875	875			6.58	1500			182	49			2466	8.60	4080			1614
3801	670	6130			- 329	23	10.95	DRY	0	3.91	875	875			6.59	1510			177	46			3699	9.22	4730			1031
6108	697	6850			- 742	24	10.96	DRY	0	4.05	930	930			6.61	1520			176	46			4354	9.66	5190			836
6394	708	7150			- 756	25	10.96	DRY	0	4.07	938	938			6.62	1520			170	43			4645	9.47	4990			341
7364	707	7120			244	26	10.98	DRY	0	4.08	942	942			6.77	1590			168	42			4548	9.32	4830			284
7696	705	7060			636	27	10.94	DRY	0	H.D.	1620	1620			7.17	1770			172	44			3626	8.48	3960			334
6546	683	6470			- 124	28	10.42	DRY	0	4.18	983	983			7.35	1840			170	43			3604	8.36	3840			236
4961	647	6100			361	29	10.39	DRY	0	H.D.	1650	1650			7.23	1790			169	43			2417	H.D.	2270			- 347
5531	631	5640			- 449	30	10.67	DRY	0	3.86	855	855			7.10	1730			170	43			3012	8.27	3750			738
5230	640	5360			- 130	OCT 1	10.48	EST	0	3.43	700	700			7.02	1700			DRY	0			2760	8.43	3910			350
6083	665	6000			83	2	10.40	EST	0	3.16	613	613			6.65	1530			DRY	0			3857	9.18	4680			823
6342	677	6310			32	3	10.18	EST	0	3.16	613	613			6.58	1500			DRY	0			4197	9.62	5150			953
					28822																							54283
					188																							355

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 very small amount of water developed by the owners of the Sheppard canal was turned into the river above Roberts and served as a source of supply for this canal after July 19. While this was treated the same as storage water the amount was so small that no attempt was made to secure records, except for occasional checks to make certain that the total was sufficient to cover the draft by the Sheppard canal. Hence no separate account of this water is included in these tables.

SEGREGATION OF FLOW

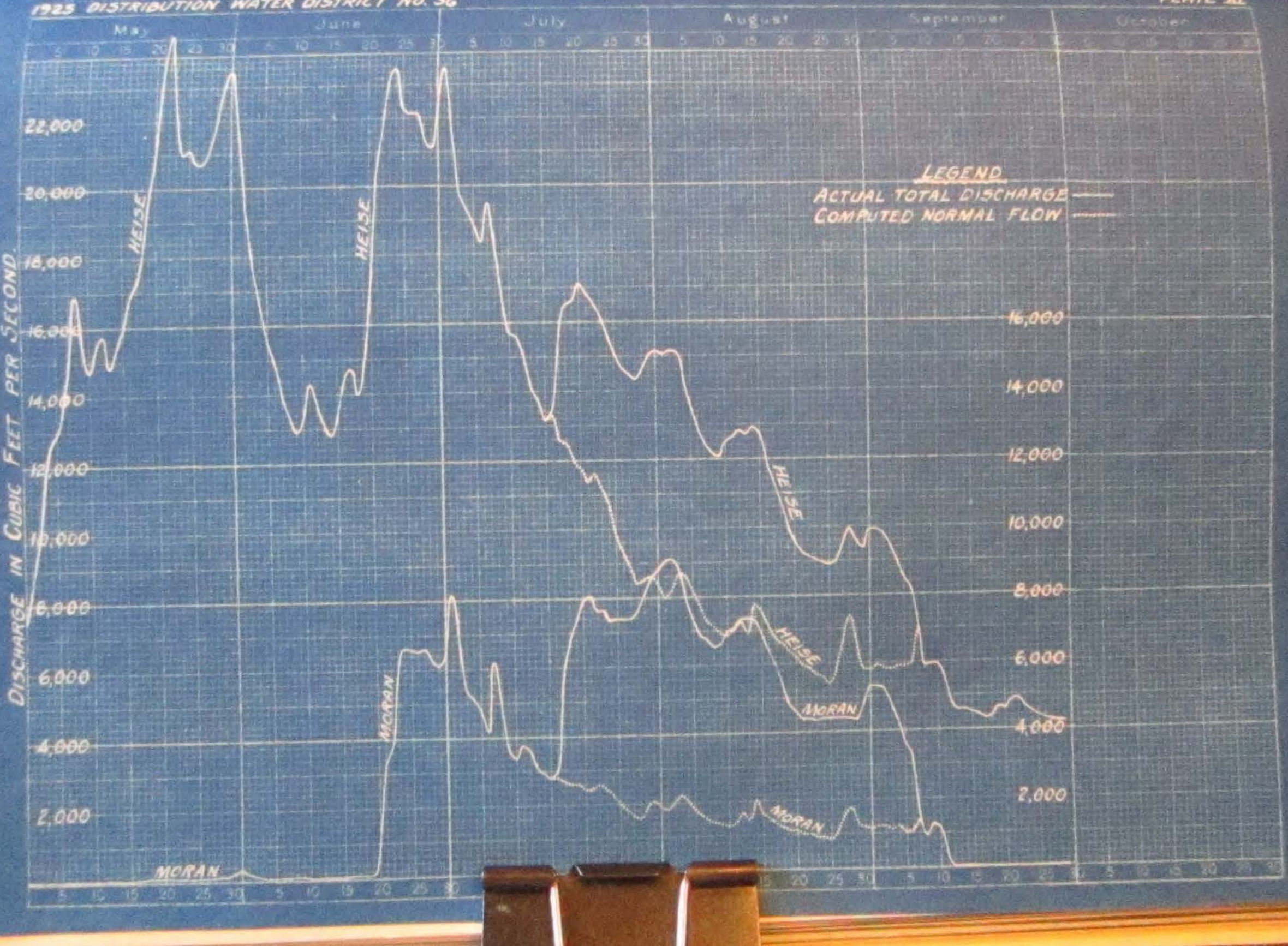
Plate XI shows graphically both the total discharge and the computed normal flow past the Moran and Heise gaging stations during the season of 1925. The difference between the total and normal flow graphs on any date, of course, indicates storage.

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.

HYDROGRAPHS SHOWING TOTAL FLOW AND NORMAL FLOW AT MORAN AND HEISE GAGING STATIONS

1925 DISTRIBUTION WATER DISTRICT NO. 36

PLATE XI



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.

TWIN LAKES, JACKSON LAKE AND LAKE WALCOTT STORAGE DELIVERIES

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 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 percent, 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.

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. As might be expected therefore in a season when the stream flow was greater, the average applied transmission loss for this

HYDROGRAPHS ILLUSTRATING NET LOSSES AND GAINS BETWEEN HEISE AND LORENZO GAGING STATIONS
1925 DISTRIBUTION WATER DISTRICT NO. 36

PLATE XII

May | June | July | August | September | October

DISCHARGE IN CUBIC FEET PER SECOND

22,000
20,000
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000

1,000 GAIN
0
1,000 LOSS

LOSS OR GAIN HEISE TO LORENZO (SECOND-FEET)

HEISE
LORENZO
HEISE
LORENZO
HEISE
LORENZO

5% GAIN
0
5%
10%
15%
LOSS

LOSS OR GAIN HEISE TO LORENZO (PERCENT)

section for the entire period of storage delivery amounted in 1925 to only 4.1763 per cent in comparison with 5.2424 per cent in 1924.

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. 1925 computations show that upon the basis of the final seasonal loss these canals should have received at their headgates 92.9609 per cent of the stored water turned out for them at Moran. The variable loss factor applied betwen Heise and Lorenzo was not so troublesome in its operation and was responsible for no unfair deliveries this year, chiefly because none of the canals entirely exhausted their storage rights.

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 87.3833 per cent of the amounts released for them at the Jackson Lake outlet gates.

Plate XIII shows 1925 daily and total deliveries of Twin Lakes, Jackson Lake, and Lake Walcott storage together with tabular summaries for the season.

A total of 1,007 second-feet of Twin Lakes storage was released prior to September 7. Of this amount 444 second-feet was transfered upstream for delivery to the Enterprise Irrigation District and the remainder went to Jackson Lake stored water users as a credit balance for the Osgood canal.

1925 DISTRIBUTION WATER DISTRICT NO 36

DATE JULY	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	A-1	2	3	4	5	6	7	8	9	10	11
OSBORNE UTAH-IDAHO SUGAR CO.																											
ENTERPRISE IRRIGATION DISTRICT																											

TWIN

JACKSON

DATE JULY	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	A-1	2	3	4	5	6	7	8	9	10	11
POPLAR IRRIGATION DISTRICT (RILEY)																		23	23	22		22					
FARMERS FRIEND CANAL CO.		12	21	24	23	24	21	33	42	39	41	39	43	47	48	48	41	47	47	45	33	35					
ENTERPRISE CANAL CO.																											
HARRISON CANAL CO.			6	42	37	37	20	20		2	3	9					2										
STEELE																											
RUDY CANAL CO.																		27	37	39	37	40	38	38	15	38	35
BURGESS CANAL CO.						43	69	58	31	24	1	9	1	50	58	54	50		58	58	47						
LONDER CANAL CO. (LONDER & JENNINGS)									1	1																	
SUNNYDELL IRRIGATION DISTRICT																		76	78	56		74					
LENROOT CANAL CO.																											
NEW SWEDEN IRRIGATION DISTRICT							97	148	144	138	138	141	138	132	136	138	96	97	83	84	67	64	63	55	50	45	44
CD SMITH											1	1		1	1	1	1			1				1			1
CT EDWARDS														1	1	1			1		1		1				
MARTIN CANAL CO.							27	27	27	27	27	27	27	27	27	27	21	27	16	11	11	11	11	11	13	13	13
LYLE BRADBURY & McMULLEN																											
SNAKE RIVER VALLEY IRRIGATION DIST.			65	84	88	78	19								114	118	79		5	23	17	11	3	3	3	3	
TOTAL HEISE TO SHELLEY		12	92	150	148	182	253	286	245	231	211	226	209	258	385	387	302	297	348	339	213	257	116	108	81	99	93
MOPLES CANAL CO.																											
ABERDEEN SPRINGFIELD CANAL CO.																											
USRS - STORED IN LAKE WALCOTT				234	662	446	0	7	853	0	315	1187	840	431	0	0	0	0	332	536	1013	927	761	280	0	0	0
USRS - MINIDOKA CANALS				784	794	814	696	784	664	-31	584	584	634	986	1722	1841	2066	2077	2400	2380	1842	1297	1185	1508	1770	1624	1321
MILNER LOW LIFT IRRIGATION DISTRICT					98	85	96	99	102	104	104	104	104	104	106	100	85	0	0	67	103	90	99	100	100	101	90
TWIN FALLS CANAL CO.					437	372	372	377	397	397	387	387	377	398	409	386	589	442	744	475	580	420	- 34	431	381	310	485
NORTH SIDE CANAL CO. LTD.					-1338	568	1642	1957	2041	2277	1822	1653	1696	2577	2744	2674	2647	2616	2635	2561	2553	2560	2595	2557	2430	2399	2409
EXTRAORDINARY WASTE AT MILNER							97	928	1350	422	1940	1310	308	25									563				
HOLDOVER JACKSON LAKE 1926																											
LESS CREDIT FROM TWIN LAKES																											
AVAILABLE 1925																											

LAKE W

DATE JULY	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	A-1	2	3	4	5	6	7	8	9	10	11
USRS - MINIDOKA CANALS	-180	340	440	0	0	0	118	0	0	625	0	0	0	0	470	609	364	333	0	0	0	0	0	0	339	241	1052
MILNER LOW LIFT IRRIGATION DISTRICT		95	100	98																							
TWIN FALLS CANAL CO.		406	175	382																							
NORTH SIDE CANAL CO. LTD.	-	- 44	- 56	-326																							
EVAPN ON LAKE WALCOTT - JULY 16 - SEPT 17																											
TOTAL																											
WHEELER TO MILNER GAIN JULY 16 - SEPT 17																											

TWIN LAKES STORAGE DELIVERIES

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	5-1	2	3	4	5	6	7	8	9	10	11	12	13	14
						37	38	55	65	66	63		57	43																							

JACKSON LAKE STORAGE DELIVERIES

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	5-1	2	3	4	5	6	7	8	9	10	11	12	13	14
				24	22	20	24		20										21	21	19	19	19														
										8	6	10	9	12	9	9	9	9																		
38	15	38	35	38	38	43	45	40	38	38	37	31	43	40	33	31	31	33		3																
				82	70	48	30		36										54	40	22	26	33														
55	50	45	44	43																																
1			1							1				1				1																		
				1																																
1	13	13	13	13	5																															
3	3	3																																		
8	81	99	93	201	135	111	99	40	94	47	43	41	52	53	42	40	40	43	75	64	41	45	52													

0	0	0	0	0	0	0	262	213	0	0	972	768	386	0	0	0	0	0	0	0	0	0	0	0	0	419	392	575	495	543	509	570	250				
8	1770	1624	1321	1478	1975	2133	1950	1673	390	-334	286	837	978	1136	807	819	510	387	312	354	323	562	750	649	1124	1227	1185	1015	864	340	130	51	-33				
0	100	101	90	46	16	0	71	90	85	82	86	82	86	86	86	86	86	86	70	86	84	85	86	86	88	84	88	88	64	54	54	54	54	54			
1	381	310	485	715	672	504	521	328	288	208	198	128	79	- 3	- 69	- 33	- 53	272	326	247	125	168	319	- 52	- 63	- 63	- 53	- 43	- 63	- 53	- 93	- 143	-173	-223			
59	2430	2399	2407	2417	2384	2351	2264	2218	2209	2199	2138	2189	2190	2098	2028	2037	1956	1970	1977	1955	1947	1964	1973	1924	1924	1914	1914	1874	1884	1874	1894	1751	1423	162			
									568	1635	2485	509																									

LAKE WALCOTT STORAGE DELIVERIES

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	5-1	2	3	4	5	6	7	8	9	10	11	12	13	14
0	339	741	1052	911	404	113	0	0	101	597	0	0	0	287	1014	1165	1763	1912	2011	1975	1966	1667	712	209	67	0	0	0	0	0	0	0	0	-109	-147	-180	-21
																																		54	54	5
																																		-353	-402	-44
																																		534	474	53

PLATE NO XIII

10	11	12	13	14	15	16	17	18	ACT. DEL. SEC FT	ADJUSTMT SEC FT	ADJUSTED SEC FT	DELIVERY ACRE FT	T. LAKE EQ. ACRE FT	
									0	0	0	0	0	
									444	0	444	881	948	

10	11	12	13	14	15	16	17	18	ACT. DEL SEC FT	ADJUSTMT SEC FT	ADJUSTED SEC FT	DELIVERY ACRE FEET	J.L. EQUIV ACRE FEET	J.L. RIGHT ACRE FEET
									299	8	307	609	655	1200
									759	0	759	1505	1619	2000
									0	0	0	0	0	6100
									178	259	437	867	1106	5000
									81	0	81	161		
									906	0	906	1797	1933	2000
									611	217	828	1642	1766	5120
									2	76	78	155	167	1040
									725	30	755	1497	1610	4000
									0	0	0	0	0	3000
									2141	213	2354	4669	5063	17500
									12	0	12	24		
									7	0	7	14		
									452	0	452	896	964	1500
									0	0	0	0	0	355
									713	31	744	1476	1588	25000
									6886					
									0	0	0	0	0	8000
									0	0	0	0	0	42685
									15186					
258									54204	5052	74442	147654	168973	273310
-33														
									4294	256	4550	9025	10328	15000
54	54								13443	1349	14792	29339	33575	97238
-173	-223								109279	4699	113978	226072	258713	337182
1423	162								12140	-12140			360220	
													-1050	
													847230	847230

10	11	12	13	14	15	16	17	18						
									21232	-15186	6046	11992	13723	
0	-107	-147	-180	-215	-230	-230	18							
									671	0	671	1331	1523	
		54	54	54	54	54	54	54	-3168	0	-3168	-6284	-7191	
		-353	-402	-442	-531	-737	-788	-878	4640	0	4640	9203	10532	
		534	474	535	752	1228	834	509			667			
											8856			
											8856			

✓ 1778 ACRE FT. STORAGE RELEASED OF WHICH 1050 ACRE FT WAS NOT USED BY 056000, THE EQUIVALENT BEING CREDITED TO JACKSON LAKE STORAGE AT WOODVILLE

✓ 5000 ACRE FT. PERMINT RIGHT SOLD TO 056000 PROJECT OF UTAH-IDAHO SUGAR CO. LEAVES 268,310 ACRE FT. RIGHT TO USRS.

the latter had no occasion to utilize this credit, however, so the net result was to increase the holdover in the larger reservoir. An additional 690 second-feet was later turned out from Twin Lakes but as this was done for the purpose of facilitating some construction work at the outlets rather than because of any need for the water, credit was withheld and the entire flow after September 6 served only to augment the normal river discharge.

In the Jackson Lake table the "adjustment" column shows, in the case of upper valley canals, the charges which were made because of underacceptance of water ordered, during periods corresponding to those when water was wasted past Milner Dam. The quantities listed in this column for the Minidoka and Twin Falls canals represent the adjustment made for that portion of the extraordinary waste past Milner Dam not otherwise accounted for and consist in part of underacceptance penalties similar to those just mentioned and in part of prorated charges.

7,989 second-feet attributable to faulty river regulation and 4,151 second-feet chargeable directly to canals as underdraft together account for the entire extraordinary waste. In conformity with the practice of previous years the larger of these items was prorated between all lower valley canals in accordance with their seasonal use of Jackson Lake Storage.

Ordinary unavoidable seepage or waste past Milner was again prorated in accordance with the ownership of the dam at that point, viz., 5/11 to the North Side Canal Co. and 6/11 to the Twin Falls Canal Co. These charges are included in the individual daily deliveries as listed on Plate XIII.

While the exchange of normal flow for storage was not permitted during 1925, it has been found desirable, if not absolutely necessary, in order to account for all stored water, to show some lower valley storage credits. In the tables these are indicated as minus quantities.

Deliveries from Lake Walcott were limited to the Minidoka Canals whenever there was Jackson Lake Storage in the river. Stored water supplied to the canals diverting at Milner prior to July 20 and subsequent to September 11 was also necessarily furnished from the lower reservoir. Here again minus charges indicating credits at Lake Walcott are required in order to secure a complete balance of accounts.

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 XIV contains hydrographs of the total flow passing the Heise, Woodville and Blackfoot Bridge gaging stations during the period from May 6 to September 28, 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.

The trend, which has been noted during previous seasons, toward increased losses coincident with sharp rises in river stage and the reverse of decreased losses or increased gains at the time of rapid drops in the river is still evident although it is somewhat less pronounced and less consistent than usual.

The extremely large gain between Heise and Woodville during the last of June and the first part of July is especially hard to explain in a satisfactory manner. After the middle of July the loss and gain curves in both sections are more uniform and when compared with similar records for the preceding year, as might be expected, indicate smaller losses or greater gains.

HYDROGRAPHS ILLUSTRATING NET LOSSES AND GAINS BETWEEN HEISE AND BLACKFOOT GAGING STATIONS
1925 DISTRIBUTION WATER DISTRICT NO. 36

PLATE XIX

May | June | July | August | September | October

DISCHARGE IN CUBIC FEET PER SECOND

WOODVILLE
HEISE
BLACKFOOT
HEISE
WOODVILLE
HEISE TO WOODVILLE
3,000
2,000
1,000
0
1,000
WOODVILLE
HEISE
BLACKFOOT BRIDGE
WOODVILLE
BLACKFOOT BRIDGE
HEISE
WOODVILLE
BLACKFOOT BRIDGE
WOODVILLE TO BLACKFOOT BRIDGE
1,000
0
1,000

Variations in the quantity of water diverted by intervening canals, in the amount of return flow or loss and in the discharge of tributary streams account for the difference noted in the shape of the three hydrographs.

In order to secure a further check upon the reasonableness of the storage transmission loss of 6 per cent which has been applied for the past four years to the river section between the Woodville and Blackfoot gaging stations, one more set of measurements covering all surface waste or return flow entering the river between these points was obtained during 1925 and is tabulated as follows:

Right Bank River			Left Bank River		
Name	Date	Amt.	Name	Date	Amt.
Dams					
Bugal Gulch	8/28	0.00			
Seaside	"	0.10			
Woodville Bridge					
#1	8/28	0.10	#1 (Snake River Valley)	8/28	1.5
#2	"	10.30	#2	"	0.3
#3	"	0.20			
#4	"	0.10			
#5	"	0.20			
#5A	"	0.20			
#6 (Woodville)	"	15.30			
#7	"	1.20			
#8 (New Sweden)	"	32.40			
Lower Shelley Bridge					
#10	8/28	0.30	#3	8/28	0.20
#11	"	0.20	#4 (Snake River Valley)	"	7.00
#12	"	0.30	#5	"	0.20
#13-25	"	0.00	#6-10	"	0.00
Firth Bridge					
#25a	8/28	0.30	#11-21	8/28	0.00
#25b	"	0.30			
#26 (New Sweden)	"	12.60			
#27-29	"	0.00			
#30 (New Lavaside)	"	31.70			
#31	8/29	0.88			
#32 (Riverside)	"	15.90			

Portorville Bridge - - -

below the Blackfoot Bridge station, this point rather than the Clough station should probably be made the lower terminal for future tests or investigations of this character.

Plate XV affords a graphical study of the ground water return flow entering between the Clough and Neeley river gaging stations and is similar in its scope to Plate XIV. The discharge of Portneuf River as measured at Pocatello has been added to the corresponding quantities passing Cloughs in order to limit the indicated inflow between the terminal river points as much as reasonably practicable to the return from adjacent irrigated land and to the increase derived from springs. This also is consistent with the practic followed in former years.

The graph showing the gain or loss between Blackfoot Bridge and Clough has been added for the convenience of those desiring to compare results secured at these two stations.

The average net gain between Cloughs and Neeley for the four months Ju to September inclusive amounted to 2495 second-feet which is slightly in excess of the mean for the last seven summers. To a greater extent than during any of these other years, however, a progressive increase in this gain is noted during each month of the irrigation season covering a range from the May average of 2194 to a mean of 2681 second-feet for September. Without more information concerning the source of supply for the numerous springs in the Portneuf or American Falls bottom than is now available, complete explanation of the variations in the amount of this inflow cannot be made and even partial analysis must necessarily be largely speculative in character. With these conditions in mind, the suggestion is made that during May and possibly also in June the inflow was still to some extent affected by the 1924 drouth while later in the season its total was increased as a result of the abundant 1925

DIAGRAMS ILLUSTRATING NET LOSSES AND GAINS BETWEEN BLACKFOOT BRIDGE AND NEELEY GAGING STATIONS
1923 DISTRIBUTION WATER DISTRICT NO. 36

PLATE XX

May | June | July | August | September | October

DISCHARGE IN CUBIC FEET PER SECOND

NET GAIN CLOUGHS TO NEELEY

NEELEY

CLOUGHS PLUS ROSTENEUF

NEELEY

CLOUGHS PLUS ROSTENEUF

BLACKFOOT BRIDGE TO CLOUGHS

NEELEY

CLOUGHS PLUS ROSTENEUF

water supply and the presumably greater return from adjacent irrigated land.

Plate XVI 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.

Minidoka Project power demands were evidently somewhat greater than common, especially during the latter part of the season, and for this reason, as well as because no shortage in water supply was threatened, Project officials were quite insistent that the power head be maintained by holding Lake Walcott close to its capacity stage. Partially because of this situation and in part because of the uncertain gains derived from numerous summer rains, complete, efficient river regulation was more difficult than usual and while the demands of all lower valley canals were met, some waste of water past Milner Dam and a heavier late season draft from Jackson Lake than would otherwise have been necessary resulted.

The extra or avoidable waste during the storage delivery period is clearly indicated on the Milner hydrograph. It amounted in all to 12,140 second-feet or nearly 400 second-feet more than the previous maximum for this quantity noted in 1923.

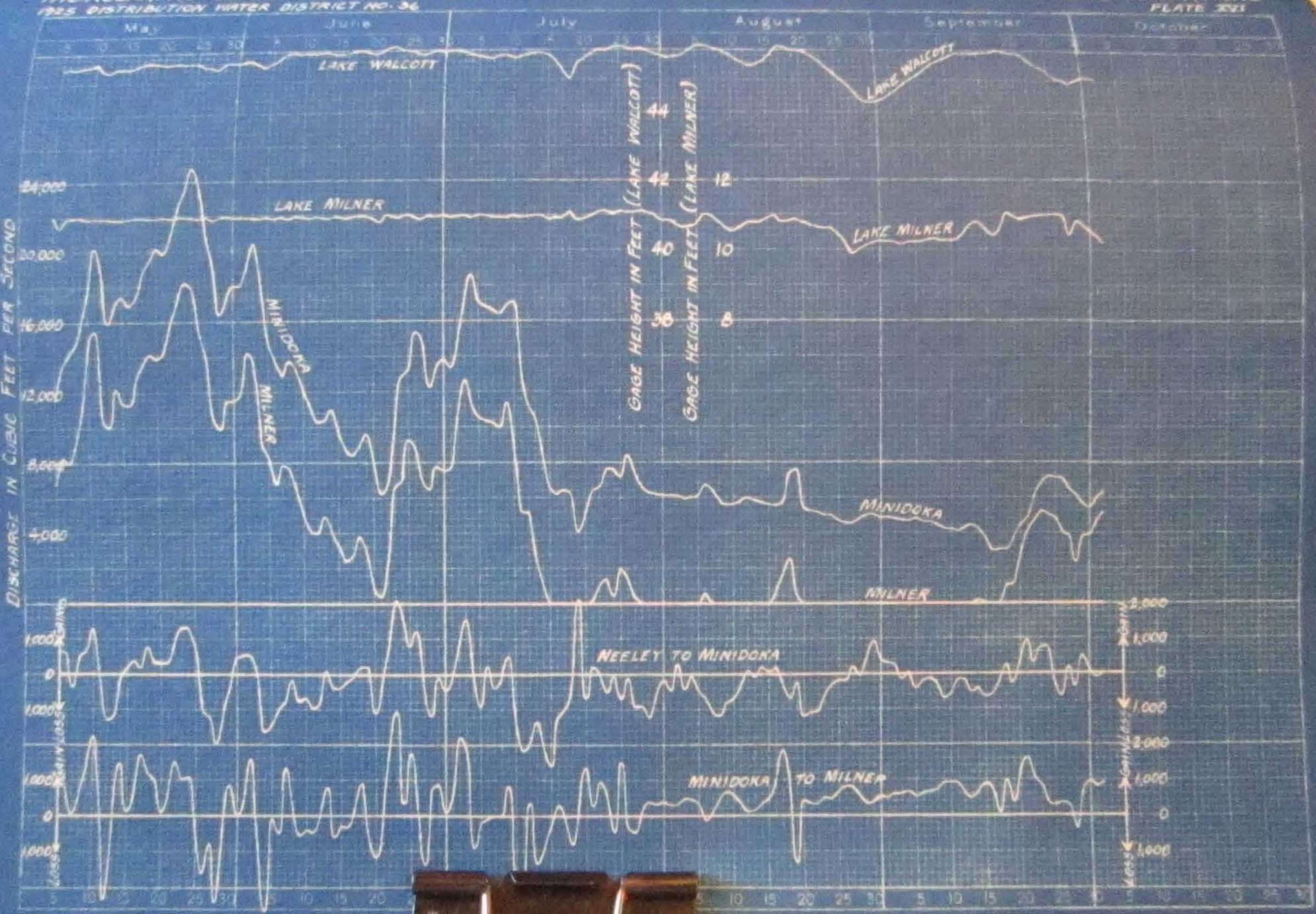
The general trend of the gain or loss curves, as well as the irregularities noted therein, differ but little from those of former years and can probably be similarly explained.

The average net loss for the entire season for the section from Neeley to Minidoka amounted to 188 second-foot while for the corresponding period the average net gain recorded between Minidoka and Milner was 355 second-foot.

HYDROGRAPHS ILLUSTRATING NET LOSSES AND GAINS BETWEEN NEELEY AND MILNER GAGING STATIONS

1925 DISTRIBUTION WATER DISTRICT NO. 36

PLATE XII



these quantities differ materially from those of the dry season of 1924 but are very consistent with similar items of 1923.

From Neeley through to Milner, however, the seasonal means for the last three years all agree very closely and show daily net gains of 156, 160 and 167 second-feet respectively.

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 XVII is to afford a condensed comparison of the normal flow water supply available during the respective irrigation seasons 1919-1925 for the so-called 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 is used in the territory between the Heise and Rexburg 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 1924 report is included for the convenience of the reader:

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

SUMMARY BY MONTHS OF NORMAL FLOW CONDITIONS BETWEEN THE HEISE, REXBURG AND BLACKFOOT GAGING STATIONS

IRRIGATION SEASONS 1919, 1920, 1921, 1922, 1923, 1924 AND 1925.

UPPER SNAKE RIVER DISTRICT NO. 36

PLATE NO. XVII

YEAR	HEISE NOR. FLOW	REXBURG RETURN FLOW	BLACKFOOT RIVER	HEISE TO BLACKFOOT RETURN FLOW	NORMAL FLOW GAIN FROM STORED LOSS	TOTAL NORMAL FLOW SUPPLY	TOTAL DIVERSIONS HEISE TO BLACKFOOT	STORED DIVERSIONS HEISE TO BLACKFOOT	NORMAL FLOW DIVERS. 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	153110	5039	-33854	0	807972	277462	0	277462	530510	530510
1922	595489	113110	8190	-2304	0	714485	331545	0	331545	382940	382940
1923	482379	90200	11597	23918	0	608294	262414	0	262414	345880	345880
1924	303207	15476	201	10631	4677	334092	233547	-66484	300031	34061	@ 34061
1925	499874	123010	4830	25290	0	653004	314594	0	314594	338410	338410
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
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	3753	277751	34703	34703
SEPTEMBER											
1919	87115	22501	345	2234	0	112195	107517	0	107517	4678	4678
1920	* 66389	* 21130	* 2290	* 10585	* 521	* 100915	* 71638	* 0	* 71638	* 29277	* 29277
1921	129235	50960	4525	26655	184	211659	149132	0	149132	62427	62427
1922	133751	39758	1996	15960	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	c 142414	c 56000	c 9268	c 23884	c 2280	c 233846	c 150283	c 0	c 150283	c 83563	c 83563

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 1-28 (INCLUSIVE) ONLY

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.

Columns 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 and 1925 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 these two years if a check on column 11 is to be secured.

The 1924 segregation of diversions as between stored water and normal flow is complicated by the large number of exchanges which were made. For example, the minus storage shown as being diverted during June 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 1925 conditions afforded by this comparative summary illustrates very plainly certain more or less pronounced peculiarities, some of which have already been mentioned.

(1) The normal flow passing both the Heise and Rexburg stations and the total normal supply in the months of July, August and September was greater in amount than during any other year listed.

(2) The return flow entering between Heise and Blackfoot was the largest

of record during June and July and was also well sustained during August and September.

(3) Total diversions between Heise and Blackfoot for the months of July and August and for the entire four months were the biggest in amount and those for the months of June and September the biggest with one exception of any year of this period.

(4) More normal flow passed Blackfoot and became available for lower valley use during these four months in 1925 than in the same time during any other year since 1918 at least.

This table, therefore, serves to again emphasize the favorable character of the 1925 irrigation water supply and also indicates its comparative adequacy throughout all portions of District No. 36.

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 Heise gaging station.

The ground water levels throughout this triangle are believed to have a material influence not only upon the river losses between the Heise 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 season. 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.

The data secured during these three years have been summarized by groups

of wells and the relative fluctuations of each group are shown by graphs on plate No. A.

The grouping is practically the same as that used in the 1924 summary and may be outlined as follows:

Group No. 1.

23 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.

22 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.

20 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.

19 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.

11 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.

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

Month to month changes in the mean water table elevation for each group of wells may be followed on the 1923 and 1925 graphs. While this is not possible for 1924, the single set of observations secured during that year has been plotted and affords a comparison during the month of August.

Only those wells at which records were obtained during each of the three years were used for this study.

DIAGRAMS SHOWING PROGRESSIVE CHANGES IN GROUND WATER LEVELS ON SO-CALLED HEISE-LORENZO CONE 1923-1925
1925 DISTRIBUTION WATER DISTRICT NO 36

PLATE NO. A

May | June | July | August | September | October

1923
1924
1925

GROUP NO. 1
4900
4895
4890
4885
4880
4875
4870
4865
4860
4855
4850
4845
4840
4835
4830

GROUP NO. 2
4785
4780
4775
4770
4765
4760
4755
4750
4745
4740
4735
4730
4725
4720
4715
4710
4705
4700
4695
4690
4685
4680
4675
4670
4665
4660
4655
4650
4645
4640
4635
4630

GROUP NO. 3
4895
4890
4885
4880
4875
4870
4865
4860
4855
4850
4845
4840
4835
4830
4825
4820
4815
4810
4805
4800
4795
4790
4785
4780
4775
4770
4765
4760
4755
4750
4745
4740

GROUP NO. 4
4925
4920
4915
4910
4905
4900
4895
4890
4885
4880
4875
4870
4865
4860
4855
4850
4845
4840

GROUP NO. 5
4915
4910
4905
4900
4895
4890
4885
4880
4875
4870
4865
4860
4855
4850
4845
4840
4835
4830
4825
4820
4815
4810

GROUP NO. 6
4830
4825
4820
4815
4810
4805
4800
4795
4790
4785
4780
4775
4770
4765
4760
4755
4750
4745
4740
4735
4730
4725
4720
4715
4710
4705
4700
4695
4690
4685
4680
4675
4670
4665
4660
4655
4650
4645
4640
4635
4630
4625
4620
4615
4610
4605
4600
4595
4590
4585
4580
4575
4570
4565
4560
4555
4550
4545
4540
4535
4530
4525
4520
4515
4510
4505
4500
4495
4490
4485
4480
4475
4470
4465
4460
4455
4450
4445
4440
4435
4430

GROUP NO. 1
GROUP NO. 2
GROUP NO. 3
GROUP NO. 4
GROUP NO. 5
GROUP NO. 6

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.

The unusually heavy return flow noted during June and July of 1925, to which reference has already been made, can doubtless be explained in part, at least, by the higher water table elevations so uniformly indicated for the early part of this season. In other respects, such as the low levels in May, the high ones in August and the general deficiencies noted in 1924, these graphs simply confirm things which have been more or less generally known heretofore.

Plate B illustrates a typical cross section of the Snake River cone taken at right angles to the general trend of the river channel at a point about two miles upstream from Lorenzo. In addition to the ground surface it also contains lines showing the August ground water table for the last three years.

WATER DISTRIBUTION AND HYTROMETRIC 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.

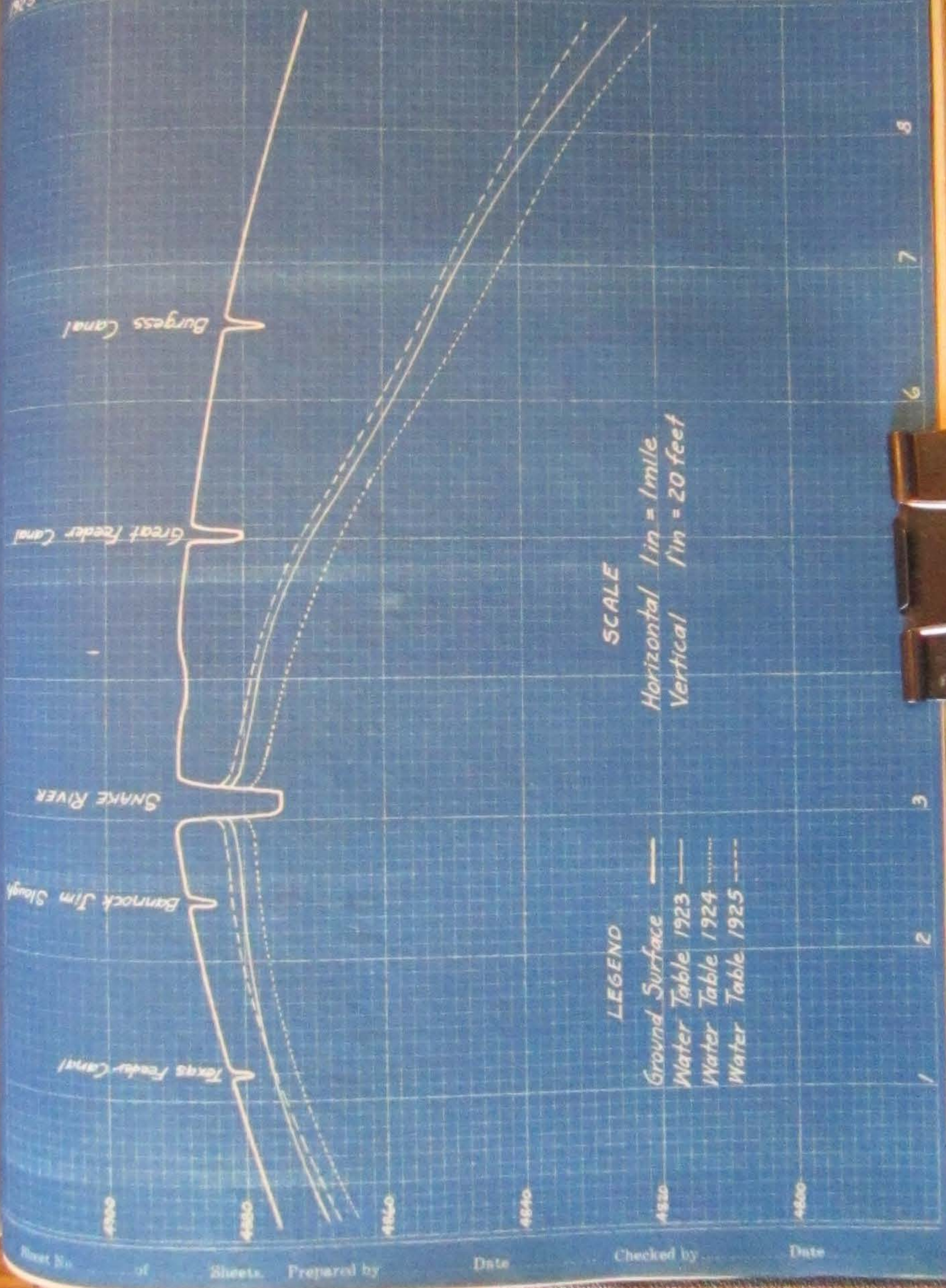
UNITED STATES GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

File Number | Washington District

TYPICAL CROSS-SECTION OF SNAKE RIVER CONE ABOUT TWO MILES ABOVE LORENZO IDAHO SHOWING AUGUST WATER TABLE ELEVATIONS 1923-1925

MPS DISTRIBUTION WATER DISTRICT NO 36

PLATE B



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

Summer headquarters for this work were again maintained at St. Anthony in the old St. Anthony Bank and Trust Co. building where a part time clerk was on duty from June 1 to August 31 inclusive.

The following abstract from a report submitted 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.

Leo K. Homer assisted with this work beginning May 14 and filled the combined position of hydrographer and deputy water master for the Teton River division from June 1 to August 31.

Ernest Luetjen who acted as deputy water master and river rider on the St. Anthony division prior to September 1 was given some training as a hydrographer and did very creditable work in this capacity, especially during the last month of the season.

Regular daily gage readings and reports were initiated on June 1 and were continued through the month of August. September readings were less frequent but probably suffice to furnish a basis for the preparation of reasonably dependable discharge data.

The normal stream flow was exceptionally well sustained throughout the entire season and only such regulation as was required to conform to the orders governing the main river, was necessary.

The fact that temporary transfers at no time became permissible under the 1925 river operation agreement, was detrimental to the only canal whose rights were seriously impaired by the regulation, viz., that of the Enterprise Irrigation District. Rains and a small amount of Twin Lakes storage secured from the Utah-Idaho Sugar Co. afforded partial relief, however, and prevented what would otherwise have been very serious damage to crops under that system.

No storage was released from Henrys Lake Reservoir and in consequence the hold-over for the 1926 season amounted to more than forty-two thousand acre-feet.

The irrigation water supply, was the best for many years and no serious difficulties were experienced in handling water distribution and hydrometric work, either in the Henrys Fork-Fall River section, or in the lower Teton valley. In fact, each one of these three streams furnished a surplus over and above local demands throughout the entire season, all of which helped to sustain the North Fork contribution to the main river.

Because of these favorable conditions the controversy which developed in 1924 relative to the division of Teton River water was not aggravated.

DAILY DISCHARGE IN SECOND FEET OF CANALS DIVERTING FROM HENRYS FORK AND TRIBUTARIES FOR JUNE 1925.

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	0	0	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	4	20	29	27	25	25	25	27	27	27	29	34	318	
MARYSVILLE	23	23	31	34	34	61	66	75	73	78	75	65	86	86	97	99	96	108	111	124	134	146	164	162	170	178	191	178	191	190	3128
TOTAL DIV ABOVE SQUIRREL	23	23	31	34	34	61	66	75	73	78	75	65	86	86	97	99	96	112	131	153	162	171	189	187	197	205	218	207	220	224	3446
FARMERS OWN	0	0	0	0	0	13	13	16	22	19	20	21	26	26	29	29	26	31	29	33	36	34	34	39	40	41	42	43	45	45	762
ENTERPRISE	72	106	107	107	137	140	136	43	138	142	141	147	145	145	5	144	145	142	138	136	140	160	160	160	167	165	169	167	165	167	163	4059
BELL	1	1	1	1	0	1	8	8	6	8	8	6	5	5	7	10	9	7	8	10	11	9	10	9	8	8	8	7	7	7	194
FALL RIVER	226	337	334	326	12	12	12	12	373	336	386	401	401	399	413	441	77	405	414	424	430	416	98	439	439	424	434	449	443	445	9799
McBEE	8	7	8	7	7	7	6	6	3	8	7	5	5	4	6	8	9	6	6	8	8	6	9	6	9	9	8	7	8	8	209
CHESTER	120	116	111	103	103	105	100	102	98	97	94	67	57	57	59	64	66	61	63	78	79	88	125	115	110	107	107	105	110	104	2752
SILKEY	20	18	17	15	14	18	14	16	8	6	6	6	5	5	8	12	15	8	11	16	28	27	38	36	32	31	28	26	26	27	537
CURR	42	32	31	20	19	27	19	19	15	16	16	14	14	14	26	29	31	26	27	29	43	45	48	49	47	31	30	29	30	26	844
WHITE	7	6	4	4	4	4	3	3	2	2	2	2	2	2	2	3	4	2	3	3	5	4	5	5	4	4	4	3	4	5	107
TOTAL DIV SQUIRR TO CHESTER	496	622	613	583	296	327	311	225	659	684	680	659	660	657	595	740	382	688	713	757	800	789	558	665	845	824	828	834	840	836	18293

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	22	28	29	25	25	25	25	21	21	21	20	20	20	19	20	28	30	29	23	23	22	21	19	19	19	26	25	24	25	25	699
LAST CHANCE	87	84	85	83	83	84	80	80	80	81	50	49	68	66	68	76	79	70	70	72	72	69	71	75	73	82	80	0	0	29	2045
FARMERS FRIEND	265	245	224	179	177	179	200	196	179	185	179	175	173	133	142	143	144	142	166	193	191	251	247	208	204	196	139	132	107	65	6356
TWIN GROVES	187	182	178	170	170	173	49	150	146	150	148	146	146	134	135	139	150	139	145	145	144	144	146	146	145	144	108	108	118	95	4267
SALEM UNION	216	230	232	203	203	209	183	180	184	185	177	164	169	141	142	149	132	170	210	238	236	233	244	239	227	227	149	149	153	187	5696
TOTAL DIV ASHTON TO ST ANTHONY	1333	1315	1285	1105	1103	1119	552	921	997	1040	994	922	933	853	873	907	921	927	980	1087	1079	1186	1195	1167	1109	1106	936	874	860	674	30350
EGIN	358	368	303	303	297	305	303	241	267	252	234	238	227	227	231	234	231	234	232	271	287	288	285	280	295	341	310	312	8	8	7682
ST ANTHONY UNION FEEDER	94	93	93	86	85	77	76	62	59	56	61	61	61	61	63	64	64	64	63	67	80	87	82	80	66	62	61	61	62	63	2104
INDEPENDENT	313	361	359	324	278	248	248	248	231	236	187	181	181	203	219	229	231	227	234	272	269	291	336	302	302	250	250	285	294	295	7865
CONSOLIDATED FARMERS	224	217	217	216	249	249	249	248	246	248	248	248	246	246	246	232	232	229	230	232	230	232	233	241	241	269	257	259	221	230	7160
TOTAL DIV ST ANTHONY TO REXB'G	989	1039	972	929	909	879	876	799	803	792	730	728	715	737	759	739	758	754	779	842	876	898	915	843	904	877	878	917	585	596	24811

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	2	6	5	5	5	5	8	9	8	8	8	17	18	5	5	21	16	18	23	26	26	18	25	25	26	25	24	22	23	431
WILFORD	173	161	151	144	136	139	134	101	104	101	100	97	93	94	93	101	113	125	153	155	178	185	184	176	171	172	154	132	47	140	4126
TETON IRRIGATION	64	62	63	68	67	71	70	59	59	0	0	0	0	0	0	0	0	0	0	0	23	80	80	84	80	98	96	100	95	96	1397
GOOD LUCK	23	22	18	20	17	20	20	20	22	22	22	20	19	19	17	26	28	17	22	27	30	33	33	34	38	38	44	32	36	33	751
PIONEER	20	18	15	13	37	48	44	44	20	6	6	9	9	9	9	37	37	35	35	38	40	42	42	42	39	39	43	51	47	45	921
STEWART	9	9	28	30	39	39	6	6	15	14	14	14	11	14	11	17	14	14	16	14	16	17	20	32	32	36	69	63	60	60	763
PINCOCK BYINGTON	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	15	15	13	15	15	18	15	15	15	15	18	18	23	23	23	526
PINCOCK GARNER	8	10	11	10	10	10	13	14	10	10	10	7	9	8	8	14	0	0	0	0	17	15	15	15	15	18	23	23	23	0	331
TETON ISLAND FEEDER	261	253	247	272	296	103	307	313	330	316	280	274	274	271	261	247	247	234	330	341	347	347	338	358	347	291	274	274	276	276	8094
ROXANA	15	13	13	12	4	11	12	9	11	11	11	14	12	11	10	9	10	8	9	8	8	8	8	8	8	8	8	8	8	8	290
ISLAND WARD	85	78	71	62	59	66	54	40	24	23	24	24	21	22	21	24	28	23	26	61	70	72	69	67	64	52	50	40	38	30	764
WOODMANSEE JOHNSON	0	20	17	17	15	23	22	22	23	22	16	20	17	16	16	20	21	18	18	24	28	28	27	43	39	41	38	51	50	50	644
CITY OF REXBURG	54	52	51	48	53	51	54	54	64	64	54	51	53	52	51	54	54	55	60	62	61	61	61	62	61	60	60	49	49	49	1675
REXBURG IRRIGATION	197	220	207	195	206	131	134	134	136	134	138	134	129	192	192	197	205	197	236	246	256	268	262	262	262	256	257	254	240	240	6175
TOTAL DIVERSIONS	919	930	917	918	1014	737	893	849	837	841	763	692	684	696	634	766	793	737	907	1016	1112	1191	1192	1236	1181	1162	1142	1136	1111	1047	27985

DAILY DISCHARGE IN SECOND FEET OF CANALS DIVERTING FROM HENRYS FORK AND TRIBUTARIES FOR JULY 1925

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	15	13	16	20	6	8	8	10	10	9	7	8	8	7	11	11	11	3	3	3	3	3	3	3	3	3	11	12	19	250
HARRIGFELD	35	0	42	41	43	46	26	25	24	5	5	5	4	4	0	0	18	18	18	14	14	14	13	13	82	21	21	21	21	21	21	675
MARYSVILLE	191	175	181	176	178	170	140	130	138	151	149	127	130	116	117	130	140	140	170	176	0	0	0	24	92	108	122	139	147	148	145	4010
TOTAL DIV ABOVE SQUIRREL	226	190	236	233	241	222	174	163	172	166	163	139	142	128	124	141	169	169	191	193	17	17	16	100	117	132	146	163	179	181	185	4835
FARMERS OWN	46	48	48	47	50	50	49	49	49	48	49	49	49	46	45	30	30	30	30	30	30	36	36	37	35	34	35	42	27	27	31	1242
ENTERPRISE	170	169	165	162	163	167	155	152	150	145	142	143	141	137	143	116	133	143	139	63	113	120	127	123	121	121	119	116	121	50	0	4031
BELL	7	6	5	5	5	3	6	5	7	6	4	4	6	5	5	5	4	4	3	3	4	6	5	5	5	5	4	7	6	8	7	165
FALL RIVER	445	449	443	405	416	396	413	373	363	367	367	367	371	363	367	359	348	359	350	359	356	352	348	343	325	323	317	312	359	365	358	11439
McBEE	8	10	9	8	9	12	9	8	7	6	4	4	4	8	7	6	5	5	4	4	9	8	7	7	4	4	3	3	1	4	4	191
CHESTER	106	103	92	90	20	21	20	20	35	34	32	31	51	47	46	52	60	62	54	54	71	62	59	56	46	45	43	41	33	43	44	1575
SILKEY	28	19	14	14	14	23	16	14	3	2	8	8	8	28	10	7	6	6	11	14	21	18	16	15	12	12	11	10	13	15	19	415
CURR	26	25	24	24	24	18	16	14	13	12	11	20	20	20	19	20	20	20	23	24	32	31	40	39	37	37	36	35	34	36	30	780
WHITE	5	4	5	3	4	5	3	2	1	1	0	0	1	1	0	0	0	0	3	5	6	5	5	4	3	2	4	3	1	5	3	84
TOTAL DIV. SQUIRR. TO CHESTER	341	333	305	268	305	300	287	237	228	221	217	226	251	255	242	295	306	329	317	256	342	339	343	331	284	283	272	269	297	325	296	19921

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	25	25	24	24	23	25	23	23	22	21	20	20	20	20	20	19	19	19	18	18	18	16	17	16	16	16	17	22	22	22	20	630
LAST CHANCE	68	76	77	74	73	92	70	65	72	56	48	42	44	60	55	49	46	46	44	44	43	45	46	46	0	0	27	52	50	50	54	1624
ST ANTHONY UNION	377	373	368	266	266	378	342	335	333	326	351	387	391	432	459	468	474	506	501	499	405	409	405	339	404	405	402	431	440	442	443	12367
FARMERS FRIEND	66	63	62	62	62	56	41	39	30	27	37	120	117	172	188	153	152	148	144	145	164	153	152	74	73	78	70	76	72	70	71	2939
TWIN GROVES	95	92	90	90	89	79	75	73	63	61	59	59	57	130	160	150	150	150	147	147	134	130	130	99	99	117	114	114	113	118	113	3292
SALEM UNION	127	79	77	77	76	84	80	99	99	132	150	145	144	218	234	230	210	209	230	230	238	208	176	180	176	137	137	136	135	135	137	4745
TOTAL DIV ASHTON TO ST ANTHONY	758	708	698	593	659	714	631	634	619	643	665	773	773	1032	1116	1069	1051	1078	1064	1053	1002	961	926	754	768	753	781	836	832	838	842	25597
EGIN	271	227	223	223	223	241	240	213	231	234	274	274	282	290	282	320	309	314	316	312	232	234	234	238	234	234	259	259	274	278	263	8038
ST ANTHONY UNION FEEDER	52	38	37	31	31	39	37	37	36	55	53	53	51	56	62	53	53	37	55	36	37	18	18	19	30	30	41	61	54	60	53	1343
INDEPENDENT	240	199	163	151	150	160	151	150	148	291	291	287	283	240	240	211	234	274	296	320	287	285	287	291	285	285	272	263	272	286	285	7566
CONSOLIDATED FARMERS	219	174	170	166	164	168	166	166	163	160	157	154	150	181	174	222	224	211	168	163	227	230	222	233	251	235	228	217	217	232	243	6052
TOTAL DIV ST ANTHONY TO REXB'G	782	638	583	571	568	608	594	566	578	740	775	768	766	767	758	806	820	854	835	831	783	767	761	781	800	764	807	790	817	852	844	22989

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	27	27	26	26	20	23	24	23	23	15	15	15	15	15	16	14	14	13	14	14	0	0	19	18	15	14	15	15	14	13	12	514
WILFORD	98	76	73	71	77	75	70	67	64	61	59	59	100	111	139	147	143	145	137	133	123	120	119	117	110	106	103	99	94	97	93	9032
TETON IRRIGATION	99	92	69	43	43	39	51	41	36	38	44	48	52	61	46	61	68	73	81	78	80	93	90	89	75	62	55	52	52	58	65	1924
GOOD LUCK	34	40	34	33	32	31	33	20	19	28	27	25	24	21	20	19	23	22	20	19	17	17	13	12	11	10	10	9	9	8	9	649
PIONEER	48	46	39	38	38	38	27	21	21	36	35	14	13	34	37	32	31	29	25	15	14	15	17	17	15	12	12	9	10	23	23	781
STEWART	26	26	23	23	23	23	13	13	13	13	13	31	31	29	40	38	39	39	36	32	32	32	27	27	28	26	26	29	29	30	20	820
PINCOCK BYINGTON	15	15	15	15	15	15	15	15	15	15	15	15	15	15	14	14	0	16	15	9	10	9	17	17	18	8	8	8	8	8	8	391
PINCOCK GARNER	0	0	0	0	0	2	0	0	0	0	16	15	14	8	14	13	16	22	20	19	18	18	19	18	18	3	3	3	6	10	13	238
TETON ISLAND FEEDER	234	221	113	113	158	182	241	236	236	227	214	214	214	324	338	355	365	345	339	327	320	296	314	308	296	278	266	284	281	255	265	8131
ROXANA	8	8	8	8	8	8	8	8	8	4	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
ISLAND WARD	29	25	23	20	26	24	32	31	29	24	13	23	22	20	17	17	18	17	13	17	39	41	42	42	41	5	5	0	0	0	0	655
WOODMANSEE JOHNSON	47	46	45	31	32	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	27	17	13	8	22	35	38	36	456
CITY OF REXBURG	50	54	59	59	60	62	62	62	60	60	60	68	68	65	62	59	58	57	53	51	43	48	62	62	61	59	43	42	42	38	41	1733
REXBURG IRRIGATION	249	254	254	254	254	254	254	239	233	223	220	218	206	201	193	139	147	186	186	200	196	187	192	192	180	202	198	187	180	185	177	6434
TOTAL DIVERSIONS	964	930	781	734	786	807	830	776	757	744	733	747	776	907	956	953	928	964	939	914	892	876	959	946	876	798	746	741	750	753	745	26043

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	19	19	20	20	21	13	16	16	16	15	23	23	23	23	14	14	15	15	15	14	13	15	15	16	16	16	6	9	12	12	12	490
HARRIGFELD	20	20	20	20	18	18	18	16	15	16	16	17	18	18	18	18	16	16	15	15	15	15	14	14	0	0	0	0	0	0	0	456
MARYSVILLE	159	157	149	148	133	127	126	119	103	102	88	84	84	85	57	54	47	50	47	43	45	45	42	42	44	46	39	39	38	39	33	2422
TOTAL DIV ABOVE SQUIRREL	198	196	189	188	177	158	160	151	134	133	121	124	125	126	89	86	78	81	77	74	73	75	71	71	60	61	45	48	50	51	47	3318
FARMERS OWN	29	29	29	29	28	29	29	29	29	29	29	13	10	6	6	6	10	10	10	14	13	13	13	18	13	15	13	13	5	5	5	522
ENTERPRISE	0	0	0	0	0	0	0	0	0	0	0	0	37	58	55	63	66	63	57	57	43	0	0	0	0	0	0	0	0	25	0	324
BELL	4	4	5	6	5	5	5	5	6	6	5	5	3	3	3	3	4	4	4	8	6	5	4	4	4	5	5	5	4	3	4	147
FALL RIVER	358	356	368	361	359	358	361	359	361	363	369	339	326	332	335	328	326	323	323	323	260	262	260	268	268	260	269	265	262	251	258	9781
MCBEE	4	3	3	4	3	3	3	2	3	3	4	5	5	5	5	4	4	3	4	3	6	5	5	5	5	5	7	7	5	3	5	131
CHESTER	41	40	40	42	41	40	40	39	40	40	43	49	43	44	45	42	41	40	40	39	45	46	46	46	23	24	26	26	24	22	24	1143
SILKEY	18	17	17	18	16	15	14	13	14	14	16	20	17	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	12	245
CURR	30	29	30	30	30	30	30	30	20	20	21	22	21	23	23	22	22	21	27	24	21	21	21	21	20	20	21	21	20	20	20	733
WHITE	2	2	2	2	2	3	3	3	3	1	3	3	1	3	3	3	3	2	2	2	4	3	3	3	3	4	3	3	2	0	2	78
TOTAL DIV SQUIRR TO CHESTER	486	480	484	492	484	483	485	480	473	476	493	456	465	478	479	477	478	468	469	471	359	356	353	381	327	332	345	341	323	330	330	13346

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	21	21	21	21	21	21	21	20	21	21	21	22	21	21	21	21	21	20	20	20	20	20	20	20	20	20	19	19	19	634
LAST CHANCE	52	52	52	53	51	50	48	48	48	42	44	62	50	52	55	51	50	50	49	48	32	50	50	49	50	32	37	8	8	24	25	1422
ST ANTHONY UNION	443	409	411	389	387	387	387	386	387	389	395	400	398	249	249	246	246	244	244	240	240	244	244	240	239	239	242	246	242	239	237	9538
FARMERS FRIEND	88	69	56	69	63	61	71	70	69	71	72	70	70	63	67	70	24	23	20	19	14	14	13	13	12	28	28	29	27	24	23	1410
TWIN GROVES	94	86	79	82	78	78	84	84	84	84	86	86	84	63	62	63	40	33	33	33	33	33	33	33	33	81	83	82	81	79	79	2231
SALEM UNION	137	139	139	141	140	164	164	164	164	164	167	170	167	137	137	103	105	104	103	103	105	105	105	105	105	104	65	65	65	64	64	3764
TOTAL DIV ASHTON TO ST ANTHONY	334	775	738	755	740	761	775	773	773	770	785	799	790	586	591	554	491	495	490	483	484	486	485	480	479	524	495	450	442	449	447	18999
EGIN	267	254	240	241	211	211	209	241	240	238	238	241	165	111	111	144	145	166	165	192	195	192	192	195	194	192	194	195	152	148	148	6027
ST ANTHONY UNION FEEDER	45	46	39	27	37	35	35	29	39	39	41	42	43	22	22	22	24	35	34	34	43	43	43	43	42	42	44	45	38	37	37	1147
INDEPENDENT	276	278	244	221	219	191	191	189	185	185	223	279	226	173	137	155	101	189	187	187	148	146	146	146	172	172	176	175	175	173	172	5807
CONSOLIDATED FARMERS	240	235	237	222	213	186	184	184	182	184	184	184	184	190	166	157	137	156	163	162	163	163	163	163	163	162	166	165	166	162	163	5372
TOTAL DIV ST ANTHONY TO REXB'G	828	813	760	711	680	623	619	643	642	636	686	696	617	498	456	478	427	546	549	535	549	544	544	547	537	570	574	543	531	519	520	18553

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	11	12	14	14	13	11	10	9	9	0	0	0	16	14	13	11	11	10	16	16	11	9	8	8	7	8	11	15	13	11	322
WILFORD	93	88	90	86	88	85	78	74	72	71	73	76	76	78	76	74	74	71	71	66	65	62	62	61	60	61	66	76	78	70	60	2283
TETON IRRIGATION	54	46	60	66	64	62	61	59	53	58	56	55	58	50	50	48	50	49	44	44	42	40	41	40	38	37	36	32	32	28	29	1461
GOOD LUCK	9	8	9	9	9	9	9	7	7	6	8	8	8	8	8	7	7	7	6	5	5	4	4	4	4	4	5	8	8	7	6	233
PIONEER	22	21	23	23	25	23	21	19	16	13	18	19	19	20	20	20	20	20	20	17	17	17	17	16	15	15	18	24	24	17	13	586
STEWART	19	19	20	9	23	22	20	19	18	18	10	10	10	11	11	11	11	10	10	10	10	10	10	10	10	10	11	13	13	11	10	409
PINCOCK BYINGTON	8	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	16
PINCOCK GARNER	13	13	12	12	14	14	13	12	11	11	13	15	15	15	13	16	14	14	12	12	11	11	11	10	10	9	13	19	4	3	3	371
TETON ISLAND FEEDER	249	249	261	261	272	261	249	249	244	244	252	261	284	199	196	151	134	181	174	184	178	174	171	174	171	171	248	272	273	249	196	6902
ROXANA	0	0	0	0	0	5	5	5	5	5	4	3	3	4	7	7	5	5	5	5	5	4	4	4	4	4	5	5	4	4	4	120
ISLAND WARD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	14	14	14	14	14	14	14	14	13	10	10	10	9	192
WOODMANSEE JOHNSON	36	36	38	38	42	38	29	26	24	24	30	32	33	38	37	34	36	32	32	38	32	30	30	26	28	26	36	50	47	38	32	1044
CITY OF REXBURG	40	45	47	46	49	45	44	43	43	43	43	45	45	50	51	49	46	46	44	46	43	43	41	41	40	43	53	52	51	49	49	1428
REXBURG IRRIGATION	177	173	173	173	180	173	139	136	159	161	163	168	163	171	175	175	68	172	174	163	154	153	151	150	150	137	160	206	198	194	177	5193
TOTAL DIVERSIONS.	731	716	765	739	740	732	699	679	655	643	672	692	714	660	660	634	642	634	614	616	592	573	565	586	582	638	667	780	780	683	589	20.532

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	10	8	8	8	8	9	9	9	9	9	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	246
HARRIGFELD	6	13	14	15	16	17	18	19	20	19	18	16	15	14	14	14	14	14	14	14	14	14	14	13	13	13	13	13	12	12	435
MARYSVILLE	35	35	34	34	34	33	33	33	32	31	30	30	29	28	29	29	29	29	29	29	30	29	29	28	28	27	27	26	26	26	568
TOTAL DIV ABOVE SQUIRREL	51	56	56	57	58	59	60	61	61	59	57	54	52	50	51	51	51	51	51	51	52	51	51	49	49	48	48	47	45	45	1084
FARMERS OWN	5	5	6	7	8	9	10	11	12	12	12	11	11	11	11	11	11	11	11	11	11	11	11	10	10	10	10	10	10	10	299
ENTERPRISE	30	61	63	64	64	64	64	65	66	68	69	68	67	67	67	67	66	66	66	67	67	67	66	66	67	67	67	68	68	68	1930
BELL	4	4	3	3	4	4	5	5	5	4	4	4	4	4	4	4	4	4	4	5	5	5	4	4	4	3	3	2	2	2	116
FALL RIVER	258	257	253	254	257	259	262	261	260	259	258	113	112	111	110	109	109	108	108	108	108	108	107	107	107	107	106	106	106	106	4897
McBEE	4	4	4	3	4	4	5	5	5	6	6	6	6	6	6	6	6	7	7	7	7	8	7	7	7	7	7	6	6	6	176
CHESTER	22	20	19	17	17	16	16	16	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	516
SILKEY	9	7	5	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	1	1	90
CURR	20	20	19	19	19	19	19	17	15	13	11	10	10	10	9	9	8	7	6	4	3	2	1	1	1	1	1	1	1	1	277
WHITE	2	1	1	0	0	1	2	2	3	2	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	38
TOTAL DIV SQUIRR TO CHESTER	354	379	375	369	375	377	384	383	383	381	377	229	227	226	226	224	221	221	220	221	220	220	216	214	215	214	214	212	212	212	8300

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	17	15	13	11	11	11	11	11	10	10	10	10	10	10	10	11	11	12	12	13	13	14	14	14	14	14	14	14	14	14	368
LAST CHANCE	26	26	26	27	26	26	26	26	26	25	26	27	28	29	10	11	12	13	13	14	15	16	16	16	16	15	15	15	15	15	597
ST ANTHONY UNION	206	205	205	205	206	204	203	208	213	213	213	213	213	213	213	208	203	203	203	206	208	176	175	174	172	171	170	169	168	167	5906
FARMERS FRIEND	29	28	26	25	26	27	27	27	27	28	26	23	21	19	17	14	(2	12	12	12	13	13	13	13	13	13	13	13	13	13	568
TWIN GROVES	80	80	81	80	79	74	68	63	57	52	53	54	55	56	57	57	57	56	56	65	64	64	63	62	54	50	44	38	38	38	1837
SALEM UNION	65	65	64	64	65	66	66	66	66	67	67	67	67	67	67	67	67	66	66	65	64	64	63	62	54	50	44	38	38	38	1837
TOTAL DIV ASHTON TO ST ANTHONY	423	419	415	412	413	408	401	401	399	395	395	394	394	394	374	369	362	363	363	366	369	339	337	334	325	317	310	300	300	299	11042
EGIN	148	149	150	151	152	145	138	131	124	117	117	117	117	117	117	117	117	118	119	120	121	122	123	124	121	120	119	118	117	117	3781
ST ANTHONY UNION FEEDER	37	37	37	37	37	36	36	35	35	34	35	36	37	38	39	39	39	36	32	29	26	22	19	21	23	26	28	30	33	32	981
INDEPENDENT	172	172	172	172	172	154	137	119	102	84	84	84	84	84	84	84	84	83	82	82	81	80	80	79	77	76	74	73	71	71	3040
CONSOLIDATED FARMERS	164	165	166	155	144	148	153	157	162	166	165	165	164	163	163	162	157	151	146	140	135	129	124	123	123	122	122	121	120	120	4396
TOTAL DIV ST ANTHONY TO REXBG	521	523	525	515	505	483	464	442	423	401	401	402	402	402	403	402	396	387	379	370	362	353	346	345	343	342	343	342	341	340	12197

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	12	12	13	13	13	14	14	14	14	14	14	14	13	13	13	13	13	13	13	14	14	14	14	12	10	8	6	4	2	2	352
WILFORD	62	64	66	69	71	73	70	68	65	63	60	58	55	56	56	57	57	58	58	59	53	46	40	33	27	20	14	13	13	13	1317
TETON IRRIGATION	30	30	31	32	32	32	32	32	33	32	32	31	31	30	30	29	29	29	28	28	28	28	27	26	25	24	23	22	22	22	863
GOOD LUCK	5	5	5	6	6	6	6	6	6	5	5	5	5	6	6	6	7	7	7	8	8	8	8	8	8	8	8	8	8	8	198
PIONEER	14	14	14	14	14	14	14	13	12	12	11	10	9	13	14	14	14	15	15	15	16	15	15	14	14	14	13	13	13	13	405
STEWART	17	16	16	15	14	14	13	12	10	9	8	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	243
PINCOCK BYINGTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PINCOCK GARNER	7	11	11	11	12	12	12	12	12	12	12	12	12	12	12	13	13	13	13	13	14	13	13	13	13	13	13	12	12	12	365
TETON ISLAND FEEDER	206	227	229	231	232	234	236	238	227	217	206	196	185	176	164	167	170	173	177	180	183	186	184	181	178	176	173	171	168	165	6835
ROXANA	4	4	5	5	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3	3	116
ISLAND WARD	7	5	4	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	18
WOODMANSEE JOHNSON	30	27	25	26	27	28	28	29	30	31	30	30	30	29	29	29	28	25	22	18	15	12	9	8	8	8	8	8	8	8	641
CITY OF REXBURG	46	44	42	39	38	38	37	36	36	35	34	33	33	32	32	31	30	29	29	28	28	28	27	26	25	24	24	23	22	21	936
REXBURG IRRIGATION	173	170	166	162	164	166	168	170	171	173	173	177	161	145	129	113	97	81	65	62	58	55	51	48	48	48	48	47	47	47	3383
TOTAL DIVERSIONS	613	629	627	625	628	635	634	634	620	607	591	575	542	519	493	480	466	451	435	433	433	414	397	378	365	353	340	330	322	318	14279

pected, during the latter part of the season the lower users met and finally greed upon a plan for the future construction of a permanent type of dam and gulating works at the Forks of the river.

No special work was undertaken during September but a few needed re- irs to gaging station equipment were completed in spite of the reduction personnel which became effective at the end of August.

ctual deliveries to the canals diverting from Henrys Fork, Fall and Teton ivers are shown on Plates XVIII, XIX, XX and XXI. Gage readings were not btained often enough during May to warrant the inclusion of canal discharges for this month.

In the matter of recomputation of data, as well as in other respects, the records here presented correspond and are consistent with those contained n Plates III, IV, V, VI and VII.

Plates XXII and XXIII 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:

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

*Approximate means used. No recording gage records available.

DAILY SUMMARY OF DATA AT AND BETWEEN GAGING STATIONS ON HENRYS FORK AND TRIB

U.S.G.S. DISTRIBUTION WATER DISTRICT NO. 36.

HENRYS LAKE RESERVOIR		HENRYS FORK								FALL RIVER												HENRYS FORK											
		LAKE		WARM RIVER			ASHTON			SQUIRREL			CANALS ABOVE STATION	SQUIR & CANALS ABOVE	DIVERSIONS			THEO. BAL AT CHESTR	CHESTER		GAIN ABOVE CHESTR	ASHTON & CHESTR	RIVER ABOVE ST ANT	THEO. BAL AT ST ANT	ST ANTHONY		GAIN ABOVE ST ANT	RIVER ABOVE MENAN	THEO. BAL AT MENAN	ST ANTHONY		GAIN ABOVE MENAN
STAGE	CAPAC. AT 7	GAGE	DISCH.	DATE	GAGE	DISCH.	DATE	GAGE	DISCH.	DATE	GAGE	DISCH.			DATE	STOR	NOR		GAGE	DISCH.					GAGE	DISCH.					GAGE	DISCH.	
		0.63	9	JUNE 2	3.52	1710	JUNE 3	1.56	2760	JUNE	4.25	2960	83	2983	JUNE		664	2319	4.41	2640	321	4960	1855	5.92	5.07	4170	83	5.53	2.74	6.55	5.23	4170	83
		0.64	10	3	3.49	1760	4	1.57	2830	3	3.97	2550	51	2601	4		617	1988	4.25	2420	436	4900	1100	5.90	5.03	4100	83	5.51	2.72	6.53	5.21	4100	83
		0.64	10	4	3.51	1700	5	1.56	2350	4	3.91	2320	34	2354	5		570	1702	4.24	2340	414	4860	1103	5.91	5.04	4110	83	5.52	2.73	6.54	5.22	4110	83
6944	19104	0.64	10	5	3.53	1670	6	1.53	2400	5	3.84	2010	34	2044	6		524	1568	4.23	2330	762	4830	1113	5.91	5.04	4110	83	5.52	2.73	6.54	5.22	4110	83
6945	19440	0.66	11	6	3.55	1640	7	1.49	2310	6	3.73	2810	61	2871	7		377	1693	4.13	2230	336	4760	1123	5.91	5.04	4110	83	5.52	2.73	6.54	5.22	4110	83
6946	19776	0.66	11	7	3.57	1580	8	1.45	2230	7	3.45	1880	66	1946	8		300	1644	4.10	2160	304	4710	1133	5.91	5.04	4110	83	5.52	2.73	6.54	5.22	4110	83
6947	20112	0.67	11	8	3.59	1560	9	1.39	2130	8	3.42	1870	73	1943	9		732	1163	3.93	1640	484	4310	978	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6948	20448	0.68	12	9	3.76	1490	10	1.36	2070	9	3.40	1780	73	1853	10		764	1091	3.76	1710	557	4140	1027	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6949	20784	0.67	11	10	3.86	1410	11	1.33	2010	10	3.64	2090	78	2168	11		753	1413	4.23	1860	447	4310	1033	5.91	5.04	4110	83	5.52	2.73	6.54	5.22	4110	83
6950	21123	0.67	11	11	3.89	1360	12	1.32	1940	11	3.53	2010	25	2035	12		724	1367	3.93	1710	343	4050	1043	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6951	21462	0.67	11	12	4.96	1340	13	1.26	1850	12	3.37	1740	65	1805	13		746	1059	3.83	1660	401	3960	1053	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6952	21803	0.66	11	13	4.98	1330	14	1.22	1840	13	3.36	1730	36	1816	14		743	1073	3.84	1660	347	3920	1063	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6953	22140	0.66	11	14	5.01	1370	15	1.20	1800	14	3.32	1630	46	1766	15		632	1174	3.65	1550	376	3880	1073	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6954	22484	0.66	11	15	5.03	1390	16	1.25	1900	15	3.46	1860	97	1957	16		539	1114	3.96	2010	403	4170	1083	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6955	22835	0.67	11	16	5.05	1400	17	1.27	1960	16	3.87	2410	99	2509	17		472	2091	4.30	2440	459	4420	917	5.99	4.92	3910	83	5.60	2.53	6.32	5.12	3910	83
6956	23193	0.67	11	17	5.03	1390	18	1.22	1860	17	3.80	2310	96	2406	18		800	1606	4.12	2330	624	4090	937	5.83	4.78	3810	83	5.44	2.48	6.29	5.00	3810	83
6957	23556	0.66	11	18	4.98	1350	19	1.19	1820	18	3.64	2090	112	2202	19		644	1358	3.83	1930	572	3960	920	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6958	23919	0.68	12	19	4.94	1320	20	1.18	1800	19	3.80	2310	131	2441	20		510	1531	4.05	2240	669	3540	1037	5.33	4.53	3580	83	5.04	2.35	6.06	4.74	3580	83
6959	24284	0.68	12	20	4.96	1290	21	1.18	1800	20	3.96	2530	133	2663	21		962	1741	4.12	2340	509	4032	1074	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6960	24650	0.68	12	21	4.97	1300	22	1.16	1790	21	4.00	2590	162	2752	22		960	1792	4.10	2280	404	4040	1084	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6961	25018	0.68	12	22	4.90	1290	23	1.18	1830	22	3.84	2370	171	2541	23		704	1837	4.06	2250	313	3970	1093	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6962	25387	0.70	13	23	4.89	1260	24	1.15	1790	23	3.98	2560	179	2739	24		1052	1687	4.13	2240	368	4030	1047	5.73	4.84	3870	83	5.34	2.49	6.31	5.04	3870	83
6963	25760	0.72	14	24	4.84	1250	25	1.12	1730	24	3.96	2530	187	2717	25		1042	1676	3.96	2030	355	3920	1102	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6964	26137	0.71	13	25	4.78	1200	26	1.10	1690	25	3.90	2450	197	2647	26		1013	1634	3.89	1950	324	3940	1112	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6965	26514	0.71	13	26	4.76	1180	27	1.07	1660	26	3.90	2450	199	2649	27		1046	1603	3.86	1910	307	3930	1122	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6966	26897	0.72	14	27	4.72	1160	28	1.03	1620	27	3.90	2450	218	2668	28		1041	1627	3.76	1790	163	3920	1132	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6967	27287	0.72	14	28	4.71	1150	29	1.03	1580	28	3.80	2310	207	2517	29		1060	1457	3.81	1850	333	3630	1142	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6968	27686	0.73	15	29	4.70	1150	30	1.03	1580	29	3.81	2340	220	2560	30		1064	1496	3.92	1860	364	3770	1152	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6969	28110	0.74	15	30	4.74	1180	JUL 1	1.05	1620	30	3.80	2310	224	2534	JUL 1		1067	1471	3.85	1900	429	3570	1162	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6970	28535	0.76	16	JULY 1	4.74	1180	2	1.06	1640	JUL 1	3.80	2310	226	2536	2		1023	1513	3.92	1940	427	3590	1172	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6971	28975	0.75	14	2	4.72	1160	3	1.05	1630	2	3.72	2200	190	2390	3		1041	1543	3.89	1830	287	3620	1182	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6972	29427	0.76	16	3	4.69	1140	4	1.02	1570	3	3.70	2070	236	2406	4		991	1415	3.96	2220	805	3010	593	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6973	29894	0.77	17	4	4.66	1120	5	1.02	1570	4	3.52	1940	233	2173	5		944	1227	3.96	1890	663	2990	603	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6974	30378	0.77	17	5	4.80	1220	6	1.19	1860	5	3.56	1990	241	2231	6		922	1309	3.97	1920	611	3060	614	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6975	30884	0.78	17	6	4.80	1220	7	1.10	1710	6	3.64	2140	232	2302	7		861	1501	3.96	1840	552	3050	624	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6976	31414	0.80	19	7	4.72	1160	8	1.04	1600	7	3.56	1990	174	2164	8		900	1364	3.84	1790	711	3130	634	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6977	31969	0.78	17	8	4.66	1110	9	0.99	1510	8	3.48	1880	163	2043	9		900	1243	3.88	1860	817	3210	644	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6978	32555	0.80	19	9	4.67	1080	10	0.97	1480	9	3.44	1830	172	2002	10		787	1315	3.92	1900	585	3260	654	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6979	33169	0.80	19	10	4.69	1080	11	0.96	1460	10	3.33	1640	163	1806	11		780	1084	3.90	1880	794	3320	664	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6980	33807	0.79	18	11	4.86	1040	12	0.94	1430	11	3.30	1620	163	1783	12		765	1018	3.95	1910	1127	3390	674	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6981	34472	0.78	17	12	4.87	1030	13	0.93	1400	12	3.30	1620	233	1853	13		733	1120	4.33	2170	1176	3450	684	5.60	4.73	3760	83	5.23	2.44	6.25	4.93	3760	83
6982	34890	0.77	17	13	4.87	1030	14	0.94	1430	13	3.08	1400	142	1542	14		783	759	2.85	811	32	2241	1092	4.09	3.05	1570	83	3.76	1.78	4.58	3.24	1570	83
6983	35285	0.77	17	14	4.84	1030	15	0.93	1410	14	2.83	1180	128	1308	15		766	542	2.73	676	1154	2206	1116	3.90	2.92	1500	83	3.60	1.70	4.39	3.10	1500	83
6984	35716	0.77	17	15	4.83	1020	16	0.92	1390	15	2.89	1230	124	1354	16		736	378	2.60	597	1243	2140	1126	3.80	2.84	1460	83	3.50	1.65	4.27	3.02	1460	83
6985	36153	0.78	17	16	4.80	996	17	0.92	1390	16	2.86	1160	141	1301	17		778	526	2.80	693	1396	2089	1139	3.71	2.77	1430	83	3.42	1.61	4.17	2.95	1430	83
6986	36594	1.04	35	17	4.83	1020	18	0.94	1430	17	2.84	1140	169	1309	18		733	311	2.84	750	1441	2059	1152	3.62	2.70	1400	83	3.33	1.57	4.06	2.87	1400	83
6987	37043	1.05	70	18	4.86	1040	19	0.94	1430	18	2.72	1050	183	1233	19		688	441	2.91	856	1486	2029	1165	3.53	2.63	1370	83	3.25	1.53	3.96	2.80	1370	83
6988	37498	1.30	57	19	4.85	1030	20	0.95	1440	19	2.69	981	191	1172	20		749	433	2.89	836	1531	1999	1178	3.44	2.56	1340	83	3.16	1.49	3.85	2.72	1340	83
6989	37958	1.31	58	20	4.84	1020	21	0.95	1440	20	2.60	903	193	1096	21		651	233	2.83	799	1576	1969	1191	3.35	2.49	1310	83	3.08	1.45	3.75	2.65	1310	83
6990	38423	1.33	60	21	4.87	1040	22	0.97	1480	21	2.66	962	197	1159	22		833	423	2.97	908	1621	1939	1204	3.26	2.42	1280	83	3.00	1.41	3.65	2.57	1280	83
6991	38893	1.29	56	22	4.86	1030	23	0.98	1500	22	2.74	1040	172	1212	23		659	309	2.94	1000	1666	1909	1217	3.17	2.35	1250	83	2.92	1.37	3.54	2.49	1250	83
6992	39368	1.29	56	23	4.86	1030	24	0.98	1500	23	2.70	1000	161	1161	24		631	273	2.89	981	1711	1879	1230	3.08	2.28	1220	83	2.84	1.33	3.44	2.42	1220	83
6993	39846	1.29	56	24	4.84	1020	25	0.98	1490	24	2.60	903	180	1083	25		705	300	2.84	942	1756	1849	1243	3.00	2.22	1190	83	2.76	1.29	3.35	2.34	1190	83
6994	40326	1.29	56	25	4.83	1010	26	0.97	1480	25	2.56	883	187	1070	26		784	273	2.80	904	1801	1819	1256	2.91	2.15	1160	83	2.68	1.25	3.25	2.27	1160	83
6995	40809	1.29	56	26	4.82	996	27	0.95	1440	26	2.54	870	193	1063	27		1014	273	2.78	867	1846	1789	1269	2.83	2.09	1130	83	2.60	1.21	3.16	2.20	1130	83
6996	41294	1.29	56	27	4.81	990	28	0.93	1430	27	2.54	870	199	1069	28		1041	301	2.76	830	1891	1759	1282	2.74	2.02	1100	83	2.52	1.17	3.06	2.13	1100	83
6997	41784	1.29	56	28	4.82	996	29	0.93	1430	28	2.50	845	199	1044	29		1044	273	2.76	830	1936	1729	1295	2.66	1.96	1070	83	2.44	1.13	2.96	2.06	1070	83
6998	42284	1.31	58	29	4.83	996	30	0.93	1430	29	2.43	797	181	978	30		1044	273	2.76	830	1981	1699	1308	2.58	1.90	1040	83	2.36	1.09	2.87	2.00	1040	83
6999	42782	1.33	60	30	4.83	996	31	0.92	1420	30	2.43	797	185	982	AUG 1		1042	273	2.76	830	2026	1669	1321	2.50	1.84	1010	83	2.28	1.05	2.77	1.93	1010	83
7000	43282	1.33	60	31	4.83	996	AUG 1	0.93	1430	31	2.44	797	145	942	2		1040	273	2.76	830	2071	1639	1334	2.42	1.78	980	83	2.20	1.01	2.68	1.86	980	83
7001	43782	1.31	58	AUG 1	4.81	983	2	0.94	1430	AUG 1	2.44	797	131	928	3		1038	273	2.76	830	2116	1609	1347	2.34	1.72	950	83	2.12	0.97	2.58	1.79	950	83

DATA AT AND BETWEEN GAGING STATIONS ON HENRYS FORK AND TRIBUTARIES

PLATE NO. XXII

	FALL RIVER												HENRYS FORK												TETON RIVER											
	SQUIRREL			SQUIRREL AT MOUTH	SQUIRREL ABOVE DIVERS.	DIVERSIONS			THEO. BAL. AT CHEST'R	CHESTER		GAIN ABOVE CHEST'R	ASHTON + CHEST'R	DIVERS ABOVE ST ANT.	THEO. BAL. AT ST ANT.	ST ANTHONY		GAIN ABOVE ST	DIVERS BELOW ST ANT.	THEO. BAL. BELOW DIVERS	EST. BAL. BELOW DIVERS	ST ANTHONY			THEO. BAL. BELOW DIVERS	EST. BAL. BELOW DIVERS	THEO. BAL. HEN'S FK. + ST ANT. AT TETON R.	HEN. FK. NR. REXBURG	GAIN BELOW ST ANTH
	DATE	GAGE	DISCH			DATE	STOR	NOR		GAGE	DISCH					GAGE	DISCH						GAGE	DISCH	DIVERS										

DAILY SUMMARY OF DATA AT AND BETWEEN GAGING STATIONS ON HENR

1925 DISTRIBUTION WATER DISTRICT NO. 36.

DATE	HENRYS LAKE RESERVOIR		HENRYS FORK								SQUIRREL			FALL RIVER												HENRY					
			LAKE		WARM RIVER			ASHTON								DIVERSIONS				CHESTER						ASHTON					
	GAGE	CAPAC. A FT.	GAGE	DISCH	DATE	GAGE	DISCH	DATE	GAGE	DISCH	DATE	GAGE	DISCH			DATE	STOR	NOR		GAGE	DISCH				& CHESTR					
1	2.89	43078	1.30	37	Aug 31	4.51	976	Aug 31	0.84	1490	Aug 31	2.24	230			Aug 31		673		2.70	330				1.25	268				
2	2.88	43044	1.30	37	1	4.53	996	1	0.87	1490	1	2.23	228			1		680		2.63	320				1.06	269				
3	2.88	43044	1.30	37	2	4.55	1020	2	0.93	1420	2	2.21	226			2		661		2.63	320				1.06	269				
4	2.87	43010	1.30	37	3	4.52	983	3	0.91	1390	3	2.23	228			3		631		2.60	310				1.05	267				
5	2.87	43010	1.28	35	4	4.50	970	4	0.90	1370	4	2.39	245			4		645		2.59	310				1.05	267				
6	2.87	43010	1.27	34	5	4.49	964	5	0.84	1310	5	2.43	249			5		654		2.59	310				1.04	265				
7	2.87	43010	1.27	34	6	4.49	964	6	0.84	1310	6	2.38	244			6		654		2.59	310				1.04	265				
8	2.86	43004	1.28	35	7	4.49	964	7	0.84	1310	7	2.43	249			7		654		2.59	310				1.04	265				
9	2.86	43004	1.28	35	8	4.49	964	8	0.84	1310	8	2.38	244			8		654		2.59	310				1.04	265				
10	2.85	42938	1.29	35	9	4.48	957	9	0.84	1300	9	2.42	248			9		654		2.59	310				1.04	265				
11	2.85	42938	1.29	35	10	4.51	970	10	0.87	1310	10	2.42	248			10		654		2.59	310				1.04	265				
12	2.85	42938	1.29	35	11	4.53	976	11	0.89	1340	11	2.45	251			11		654		2.59	310				1.04	265				
13	2.85	42938	1.29	35	12	4.50	964	12	0.90	1360	12	2.48	254			12		654		2.59	310				1.04	265				
14	2.86	42958	1.30	36	13	4.50	964	13	0.94	1430	13	2.49	255			13		654		2.59	310				1.04	265				
15	2.86	42958	1.31	36	14	4.53	983	14	0.97	1480	14	2.50	256			14		654		2.59	310				1.04	265				
16	2.88	43176	1.32	37	15	4.51	970	15	0.94	1430	15	2.50	256			15		654		2.59	310				1.04	265				
17	2.89	43182	1.34	38	16	4.50	964	16	0.94	1430	16	2.48	254			16		654		2.59	310				1.04	265				
18	2.89	43182	1.34	38	17	4.48	950	17	0.93	1410	17	2.45	251			17		654		2.59	310				1.04	265				
19	2.89	43182	1.32	36	18	4.47	938	18	0.92	1390	18	2.42	248			18		654		2.59	310				1.04	265				
20	2.89	43182	1.32	36	19	4.46	931	19	0.87	1310	19	2.40	246			19		654		2.59	310				1.04	265				
21	2.89	43176	1.33	36	20	4.45	924	20	0.87	1310	20	2.40	246			20		654		2.59	310				1.04	265				
22	2.89	43070	1.33	36	21	4.45	924	21	0.86	1300	21	2.40	246			21		654		2.59	310				1.04	265				
23	2.89	43044	1.34	36	22	4.45	924	22	0.86	1300	22	2.40	246			22		654		2.59	310				1.04	265				
24	2.89	43044	1.34	36	23	4.44	918	23	0.85	1280	23	2.39	245			23		654		2.59	310				1.04	265				
25	2.89	43044	1.34	36	24	4.42	905	24	0.84	1260	24	2.38	244			24		654		2.59	310				1.04	265				
26	2.89	43044	1.34	36	25	4.43	912	25	0.84	1260	25	2.38	244			25		654		2.59	310				1.04	265				
27	2.89	43044	1.34	36	26	4.44	912	26	0.84	1260	26	2.40	246			26		654		2.59	310				1.04	265				
28	2.89	43044	1.34	36	27	4.47	931	27	0.90	1360	27	2.44	250			27		654		2.59	310				1.04	265				
29	2.89	43044	1.34	36	28	4.47	931	28	0.93	1410	28	2.46	252			28		654		2.59	310				1.04	265				
30	2.89	43044	1.35	36	29	4.48	938	29	0.93	1410	29	2.46	252			29		654		2.59	310				1.04	265				
31	2.89	43044	1.34	36	30	4.45	918	30	0.92	1390	30	2.42	248			30		654		2.59	310				1.04	265				
1	2.89	43044	1.34	36	31	4.46	924	SEP 1	0.91	1380	31	2.38	244			31		654		2.59	310				1.04	265				
2	2.90	43078	1.34	36	SEP 1	4.47	931	2	0.93	1410	SEP 1	2.42	248			SEP 1		654		2.59	310				1.04	265				
3	2.90	43078	1.34	36	2	4.44	912	3	0.91	1380	2	2.42	248			2		654		2.59	310				1.04	265				
4	2.90	43078	1.35	36	3	4.44	912	4	0.91	1380	3	2.43	249			3		654		2.59	310				1.04	265				
5	2.89	42622	1.35	36	4	4.44	912	5	0.92	1390	4	2.44	250			4		654		2.59	310				1.04	265				
6			1.36	36	5	4.47	931	6	0.93	1410	5	2.44	250			5		654		2.59	310				1.04	265				
7				36	6	4.48	938	7	0.94	1430	6	2.42	248			6		654		2.59	310				1.04	265				
8				36	7	4.47	931	8	0.95	1440	7	2.41	247			7		654		2.59	310				1.04	265				
9				36	8	4.59	1060	9	1.03	1580	8	2.60	266			8		654		2.59	310				1.04	265				
10				36	9	4.52	1010	10	0.97	1480	9	2.58	264			9		654		2.59	310				1.04	265				
11				36	10	4.47	976	11	0.87	1310	10	2.50	256			10		654		2.59	310				1.04	265				
12				36	11	4.44	957	12	0.81	1220	11	2.42	248			11		654		2.59	310				1.04	265				
13	2.95	42958		36	12	4.42	957	13	0.80	1200	12	2.40	246			12		654		2.59	310				1.04	265				
14	2.96	43044	1.06	37	13	4.43	944	14	0.80	1200	13	2.40	246			13		654		2.59	310				1.04	265				
15				36	14	4.41	938	15	0.84	1260	14	2.42	248			14		654		2.59	310				1.04	265				
16				36	15	4.41	938	16	0.87	1310	15	2.43	249			15		654		2.59	310				1.04	265				
17				36	16	4.40	931	17	0.88	1330	16	2.42	248			16		654		2.59	310				1.04	265				
18				36	17	4.38	924	18	0.88	1330	17	2.40	246			17		654		2.59	310				1.04	265				
19				36	18	4.42	944	19	0.89	1340	18	2.42	248			18		654		2.59	310				1.04	265				
20				36	19	4.46	970	20	0.95	1440	19	2.48	254			19		654		2.59	310				1.04	265				
21				36	20	4.43	950	21	1.00	1530	20	2.49	255			20		654		2.59	310				1.04	265				
22			1.04	35	21	4.45	950	22	1.02	1660	21	2.46	252			21		654		2.59	310				1.04	265				
23				35	22	4.41	938	23	1.07	1660	22	2.43	249			22		654		2.59	310				1.04	265				
24				35	23	4.39	924	24	0.97	1480	23	2.42	248			23		654		2.59	310				1.04	265				
25				35	24	4.38	918	25	0.89	1340	24	2.43	249			24		654		2.59	310				1.04	265				
26	2.94	44040	0.54	2	25	4.37	912	26	0.89	1340	25	2.41	247			25		654		2.59	310				1.04	265				
27				3	26	4.38	918	27	0.97	1350	26	2.40	246			26		654		2.59	310				1.04	265				
28				4	27	4.37	912	28	0.91	1330	27	2.32	238			27		654		2.59	310				1.04	265				
29	2.95	42958	0.66	5	28	4.38	918	29	0.88	1330	28	2.40	246			28		654		2.59	310				1.04	265				
30	2.96	43044	0.66	6	29	4.44	957	30	0.90	1360	29	2.43	249			29		654		2.59	310				1.04	265				
31				12	30						30	2.42	248			30		654		2.59	310				1.04	265				
			0.94	19																										

DATA AT AND BETWEEN GAGING STATIONS ON HENRYS FORK AND TRIBUTARIES

PLATE NO XXIII

FALL RIVER

HENRYS FORK

TETON RIVER

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.

Water is known to have been passing the lowest diversion dams on both Henrys Fork and Teton Rivers during the entire season. In the case of the former the quantity was estimated for the period July 16 to 21 when a shortage in the available supply was threatened, but no data were secured at other times and none were obtained at any time on the latter stream. As explained in the reports for preceding years, continuous records at these points cannot very well be secured because of the lack of good gaging station sites.

No Henrys Lake storage was released or delivered, hence the quantities shown in the stored column represent only the Twin Lakes water which was transferred upstream for delivery to the Enterprise Irrigation District.

Plate XXIV contains hydrographs for the two gaging stations on Fall River and a graph showing indicated net gains or losses above the lower or Chester station. These are plotted to coincide with the dates at the upper station.

It will be noted that the gains between these two points are unusually large, particularly during the early part of the season. Attention has already been called to similar conditions which existed elsewhere in District No. 36 and except for the probably heavy early inflow from Squirrel Creek, the reasons previously advanced are doubtless also applicable in this case.

Most of the irregularities in these curves are presumably attributable to the errors introduced by the use of single daily gage readings for the record at the Squirrel station which is not equipped with a recording gage.

The hydrograph for the Rexburg station on Henrys Fork and graphs showing gains and losses above and below St. Anthony are included on Plate XXV.

NET LOSSES AND GAINS BETWEEN THE SQUIRREL AND CHESTER GAGING STATIONS — FALL RIVER

1925 DISTRIBUTION WATER DISTRICT NO. 36

PLATE XXIX

May | June | July | August | September | October

DISCHARGE IN CUBIC FEET PER SECOND

4,400
4,000
3,600
3,200
2,800
2,400
2,000
1,600
1,200
800
400

GAIN
LOSS

SQUIRREL TO CHESTER

CHESTER
SQUIRREL
SQUIRREL
CHESTER
SQUIRREL
CHESTER

these curves are all plotted to agree with the Roxburg dates.

Here we find a number of irregularities which are not consistent with results secured in other sections and are consequently difficult to explain satisfactorily. This is particularly true with respect to the gain noted between St. Anthony and Roxburg during the last half of June and the first half of July. The rapid drop in river stage between July 10 and 15 no doubt resulted in a sudden and large increase in return flow from the adjacent sub-irrigated sections but this alone would hardly suffice to account for the very pronounced gain shown during this period. Itt seems likely, therefore, that surface waste from the different canal systems must also have been unusually heavy at this time.

DISTRIBUTION IN SWAN VALLEY

Mr. D. D. Jacobs 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.

No unusual difficulties or controversies with the respective users in this territory were reported.

DISTRIBUTION ON SAND CREEK, FREMONT COUNTY

Water distribution on Sand Creek in Fremont County in 1925 was handled strictly as a local problem. No request for the appointment of a deputy

NET LOSSES AND GAINS BETWEEN THE ASHTON AND REXBURG GAGING STATIONS — HENRYS FORK
1925 DISTRIBUTION WATER DISTRICT NO. 36

PLATE XXX

May | June | July | August | September | October

ASHTON TO ST. ANTHONY

ST. ANTHONY TO REXBURG

REXBURG TO REXBURG

DISCHARGE IN CUBIC FEET PER SECOND

10,000
5,000
4,000
2,000
1,000
750
500
250
150
0

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, 1925 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 1924.	Precipitation considerably above normal.
November 1924.	Slight deficiency in precipitation generally noted.
December 1924.	In general the coldest December of record. Precipitation (mostly in the form of snow) greater than the average.
January 1925.	Both temperature and precipitation slightly above the mean.
February 1925.	One of the warmest Februaries of record. No pronounced departure in precipitation.
March 1925.	Another relatively warm month with slight deficiency in precipitation.
April 1925.	Both temperature and precipitation above normal.
May 1925.	An unusually warm May. Precipitation above the average at higher elevations but subnormal at valley stations.
June 1925.	Precipitation well above average. Mean temperature about normal.
July 1925.	With but one exception the warmest July of record in Idaho. More than the usual amount of rain.
August 1925.	Generally a cool August. Precipitation greater than the ordinary amount for this month.
September 1925.	Precipitation considerably above and temperature slightly below normal.

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 XXVI and XXVII.

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.

The following table summarizes precipitation data for Snake River, Moran, Irwin, Ashton, Idaho Falls, Blackfoot, Pocatello, American Falls and Twin Falls by months for the year ending September 30, 1925:

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
1924						
October	9	8	1	1.335	2.717	+1.382
November	9	1	8	1.240	0.882	-0.358
December	9	9	0	1.338	1.908	+0.570
1925						
January	9	6	3	1.815	2.158	+0.343
February	9	4	4	1.354	1.400	+0.046
March	9	1	8	1.583	1.032	-0.551
April	9	9	0	1.353	2.139	+0.786
May	9	2	7	1.753	1.359	-0.394
June	9	9	0	1.273	2.309	+1.036
July	9	8	1	0.907	1.468	+0.561
August	9	8	1	0.771	1.218	+.447
September	9	9	0	1.080	2.193	+1.113
		Total		15.802	20.783	+4.981

The quantities shown in the column headed "Monthly Average Precipitation in inches for all years of Record" show several apparent inconsistencies when compared with the similar table which was included in the 1924 report. Analysis shows these to be almost entirely due to revisions which have evidently been recently made by the U. S. Weather Bureau in their means for the two Wyoming stations.

1925 DAILY PRECIPITATION DIAGRAM — SNAKE RIVER AREA

1925 DISTRIBUTION, WATER DISTRICT NO. 36

PLATE NO. XCVII

May | June | July | August | September | October

PRECIPITATION IN INCHES.

TOTAL FOR PERIOD IN INCHES

SNAKE RIVER — NO RECORD

MORAN — 13.40

IRWIN — 9.05

IDAHO FALLS — 5.26

BLACKFOOT — 5.86

AMERICAN FALLS — 5.98

BURLEY — 5.58

925 DAILY PRECIPITATION DIAGRAM - SNAKE RIVER AREA

925 DISTRIBUTION WATER DISTRICT NO. 36

PLATE NO. XXVII

May | June | July | August | September | October

TOTAL FOR PERIOD IN INCHES

PRECIPITATION IN INCHES

RIVERSIDE — 10.96 ☆

☆ ACCUMULATED PRECIPITATION OF 0.70" JUNE 1-17 NOT SHOWN ON GRAPH, BUT INCLUDED IN TOTAL

ASHTON — 8.35

ABERDEEN — 6.31

POCATELLO — 9.90

TWIN FALLS — 5.10

JEROME — 3.68

Records have been obtained at these nine observation points for periods ranging from 14 to more than 30 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 131.5 per cent of the average while actual run-off for the same time as determined from the records secured at Moran, Wyo. (see page 10) amounted to only 119.9 per cent of a 22 year mean. The fact that much of the extra rainfall occurred during the four summer months when both ground and evaporation losses were heaviest may largely account for this percentage difference which is considerably greater than that noted in 1924.

EVAPORATION

No evaporation records were secured during the year at Jackson Lake and only fragmentary information is available for Mud Lake. Data for the U. S. Weather Bureau stations are contained in the regular publications of that organization which should be consulted by any readers of this report who are particularly interested in the subject.

NEW CONSTRUCTION AND REPAIRS

Aside from the installation of cable measuring equipment on the secondary channel at the Lorenzo river gaging station, staff gages on Lowder and Conrock Jim Sloughs and the supplemental Neeley or American Falls station put in by the Twin Falls Canal Co., all of which have previously been mentioned, no new construction work was undertaken during the year.

A complete statement of expenditures covering the year ending March 31, 1926 follows. This statement includes all general charge items which appeared in the annual water master's bill for the season of 1925, 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.

The items shown in the column headed "Regular Work" correspond to the total expenditures for what may be termed ordinary work, i.e., those items covered in the pre-season budget. All water users charges coming under this heading 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 three principal reservoirs in the district in proportion to their approximate available capacities. The 1924 capacity ratio was used for this purpose during April and May, following which 847 for Jackson Lake, 41 for Henrys Lake and 4 for Twin Lakes were applied.

EXPENDITURES FOR WATER DISTRIBUTION AND HYDROMETRIC WORK

April 1, 1925 to March 31, 1926

		Regular Work	Special Work
Water Master, Special Deputy and Deputy			
G. Clyde Baldwin, Salary Apr. 1-8, 10-13, Apr. 15-Mar. 31,	11 28/30 mo. @ $400.00	$4773.33	
Expenses	do	320.39	
Auto hire	do	88.92	
Salary Apr. 9 & 14,	2/30 mo. @$400.00		$26.67
Expenses	do		4.50
Auto hire	do		27.43

					Regular Work	Special Work
Hydrographers						
G. A. McClelland	Salary Apr. 1-14, 17-20 & Apr. 22-Aug. 15,	4 12/30	mo. @	$200.00	$880.00	
	Salary Aug. 16-Dec 31,	4½	mo. @	208.33	937.50	
	" Jan. 1-Mar 31,	3	mo. @	216.67	650.00	
	Expenses	do			91.58	
	Auto hire	do			839.02	
	Salary Apr. 15-16 & 21	3/30	mo. @	200.00		$20.00
	Auto hire	do				5.46
Lester L. Bryan	Salary Apr. 1-Aug. 15	4½	mo. @	200.00	900.00	
	" Aug. 16-Dec. 31	4½	mo. @	208.33	937.50	
	" Jan. 1-Mar. 31	3	mo. @	216.67	650.00	
	Expenses	do			124.87	
	Auto hire	do			782.34	
Mans H. Coffin	Salary Apr. 29-May 8 & May 10-Sept. 30,	51/30	mo. @	150.00	755.00	
	Expenses	do			15.75	
	Auto hire	do			1056.90	
	Salary Apr. 21-28 & May 9,	9/30	mo. @	150.00		45.00
	Expenses	do				16.00
	Auto hire	do				27.69
Wendell Dawson	Salary May 18-22, May 24-June 4, June 6-Sept. 28 & Sept. 30,	4 10/30	mo. @	150.00	650.00	
	Expenses	do			16.50	
	Auto hire	do			758.29	
	Salary May 23 & June 5,	2/30	mo. @	150.00		10.00
	Auto hire	do				10.53
Leo K. Homer	Salary May 14-Aug. 31,	3 17/30	mo. @	140.00	499.33	
	Expenses	do			31.68	
	Auto hire	do			690.56	
Deputy Water Masters						
T. W. Luetjen	Salary June 1-Aug. 31,	3	mo. @	$50.00	$150.00	
	Auto hire	do	3	mo. @ 50.00	150.00	
Ernest Luetjen	Salary June1-Sept.30,	122	da. @	4.00	488.00	
	Auto hire	do 122	da. @	3.25	396.50	
Ira Moore	Salary June1-July16	46	da. @	4.00	184.00	
	Auto hire	do 46	da. @	3.50	161.00	
W. J. Kremer	Salary Sept.1-15	15	days @	2.00	30.00	(part time)
	" July 17-Aug.31,	46	da. @	4.00	184.00	
	Auto hire	do		3.50	161.00	
Wm. Sauer	Salary June 1-Aug. 31,	92	da. @	4.00	368.00	
	Auto hire	do		3.50	322.00	
C. A. McCurdy	Salary	do		4.00	368.00	
	Auto hire	do		3.50	322.00	
D. G. Taylor	Salary	do		4.00	368.00	
	Auto hire	do		3.00	276.00	
W. N. McConnel	Salary June 1-Sept. 30,	4	mo. @	40.00	160.00	

						Regular Work	Special Work
Stenographers							
Mrs. Bessie M. Rees	Salary	Apr.1-Dec. 31,	9	mo.@	$125.00	$1125.00	
Alfreda Haggerty	"	Dec.7-Mar. 31,	3 24/30	@	110.00	418.00	
Mrs. Wilma Adams	"	June 1-Aug.31,	3	mo.@	40.00	120.00	
Gage Readers							
J. A. Clough	Salary	June 1-Sept.30,	122 days	@	1.00	122.00	
	"	Apr 1-May 31 & Oct.1-Mar 31					
			8 mo	@	10.00	80.00	
Eva Davis	"	May 6-June 2,	27/30 Mo	@	12.00	10.80	
	"	June 3-Sept.30,	120 days	@	1.00	120.00	
W. H. Kremer	"	July 17-Aug.31	46 days	@	1.00	46.00	
Mrs. Irvin Sieport	"	Apr 1-May 9,	1 9/30 mo	@	5.00	6.50	
	"	May 10-Sept.30,	117 trips		0.75	87.75	
	"	Oct. 1-Nov. 28,	1 28/30 mo		8.00	15.47	
G. S. Gilham	"	June 1-Sept.30,	4 mo	@	10.00	40.00	
Harold Fuqua	"	Apr.14-May 31, Sept 1-30 & Oct.17-Nov 30,	4 1/30 mo	@	5.00	20.17	
	"	June 1-Aug.31,	3 mo	@	12.00	36.00	
D. G. Taylor	"	Sept. 5 & 12	2 trips	@	2.00	4.00	
A. J. Ayers	"	July 9-Sept 30,	2 22/30 mo		50.00	136.67	
H. E. Sheppard	"	Apr. 1-May 2	1 2/30 mo		15.00	16.00	
	"	May 3-31	28/30 mo		10.00	9.33	
J. D. Luetjen	"	Apr.1-May 31 & Sept.1-Mar. 31	9 mo	@	9.00	81.00	
Ira Moore	"	Apr.1-July 11 (Willow Cr.)	11 trips	@	2.00	22.00	
J. S. Howard	"	June 1-Nov.30,	6 mo	@	15.00	90.00	
Ira Moore	"	Apr. 3-May 2 (Snake R.)	1 mo		8.00	8.00	
S. M. Boyle	"	Dec. 1-Mar.31,	4 mo	@	15.00	60.00	
A. J. Cheney	"	May 19-July 4,	1 16/30 mo		8.00	12.27	
B. F. Smith	"	Oct.3-Dec.29 & Mar.5-31,	34 trips	@	1.00	34.00	
	"	Dec.30-Mar. 4,	65 trips	@	0.60	39.00	
R. E. Reid	"	Apr. 1-July 31,	4 mo	@	10.00	40.00	
C. N. Kemper	"	Apr 1-July 31	4 "	@	4.00	16.00	
W. J. Kremer	"	July 18 & 25(Willow C.)	2 trips	@	2.00	4.00	
William Sauer	"	May 8-26 (Willow Cr)	3 trips		2.00	6.00	
John Empey	"	May 4-16	13 days	@	7.50	97.50	
C. A. McCurdy	"	May 17-31	15 "	@	7.50	112.50	
Wm. Sauer	"	May 3-31	29 "	@	7.50	217.50	
Mrs. J. F. Johnson	"	Apr.13-May 8,	26/30 mo	@	5.00	4.33	
Secretary, Water Users Committee of Nine							
John Lee	Salary	3 days @ 5.00 per day				15.00	
	Expenses	do				3.20	
	Auto hire	do				5.98	

	Regular Work	Special Work
Materials, Labor and equipment for gaging stations	$364.76	$281.52
Rent, St. Anthony office June 1-Sept. 30, 4 mo. at $20	80.00	
Telephone and telegraph	365.48	
Premium and filing fees on official bonds	23.25	
Field and office supplies	157.76	
Interest on borrowed money	167.22	
Total	$24,978.40	$474.80

SOURCES OF REVENUE

Normal Flow Fund (Regular)	$12564.43
Normal Flow Fund (Special)	24.18
Stored Water Users (through State) Jackson Lake	7900.33
U. S. Geological Survey (Regular)	1640.59
U. S. Geological Survey (Salary adjustment, etc.)	118.51
U. S. Indian Service	316.34
State of Idaho (Cooperative Stream Measurement Fund)	1887.99
North Fork Reservoir Co. (through State)	434.83
Utah-Idaho Sugar Co. (through State)	41.13
Minidoka Irrigation District	132.70
Twin Falls Canal Co.	185.89
North Side Canal Co. Ltd.	168.04
Progressive Irrigation District	17.60
Hillsdale Irrigation District	20.64
Total	$26453.20

*FUNDS AVAILABLE APRIL 1, 1925

Normal Flow Fund (a)	$966.40
U. S. Geological Survey (b)	238.32
State of Idaho (c) Cooperative Stream Measurement Fund	1350.37
Jackson Lake Stored Water Users (a)	14.18
North Fork Reservoir Co. (d)	14.19
	$2605.46

* 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 31,1926.

(a) Additional funds probably available on or before June 1,1926.
(b) Represents amount available for expenditure prior to July 1,1926.
(c) Amount allotted for expenditure prior to July 1,1926 (Subject to slight change)
(d) Represents unexpended portion of money advanced.

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 60 copies of the 1924 report which was paid direct by the State Commissioner of Reclamation.

The total annual expenditure amounting to $25453.20 is less than the total for the preceding year by $8531.34. This reduction is due chiefly to the shorter period during which canal diversions were regulated and to the elimination of most of the special investigation work.

WATER RIGHTS

No permanent changes of material consequence were recorded during the past year in the decreed rights of District No. 36 water users, hence the diagrams which were presented under this heading in the 1924 report have in this instance been omitted.

RECOMMENDATIONS

The very extensive use which was made in the 1924 season of the privilege then accorded for the exchange of normal flow for storage emphasized both the great benefits to be derived from such a practice and also the necessity for imposing sufficient restrictions to prevent injury to any valid rights.

Unquestionably both this practice and the longer used temporary transfer plan encourage the use of water under modified rotation systems of delivery which result in obtaining a higher water duty than is possible if the distribution is restricted to the continuous flow basis prescribed in practically all normal flow water rights.

It would seem therefore that irrigation engineers, canal officials and others who are interested in promoting the general welfare of Snake River Valley should try to evolve a method whereby the good features of such systems can be utilized without detriment to any one. If this can be done the matter should be presented to the next session of the state legislature for the enactment of whatever laws may be required to make the plan practically effective.

Continued support of the Committee of Nine in their efforts to settle disputes, adjust difficulties and eventually provide for a solution of the

many complicated water distribution problems of the District is once more urged. Much can undoubtedly be accomplished by such a representative group of men and even though material differences of opinion may exist at times between individual members, frank discussion of controversial matters will often lead to equitable settlements without resort to expensive litigation.