



C. BEN ROSS, GOVERNOR

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
R. W. FARIS, COMMISSIONER
BOISE

BUREAU OF WATER RESOURCES
MANS H. COFFIN
DIRECTOR

January 16, 1934

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

Dear Sir:

There is transmitted herewith the annual report of Lynn Crandall, Watermaster of District No. 36, and Special Deputy State Commissioner of Reclamation, for the year 1933.

Water District No. 36 covers practically the entire area of the Snake River Valley above the Milner Dam, including about a million acres of land. Prior to the opening of the irrigation season of 1933, conditions seemed favorable for a liberal water supply but as the season progressed the supply dwindled away until at the end of the season the total runoff was found to be only slightly in excess of that for the year 1932, or about two-thirds of the normal runoff for the last thirty years. Some shortage of water for irrigation was experienced, particularly in the Fall River and Teton Basin areas, but by careful handling by the Watermaster and co-operation among the water users, the Committee of Nine and other interests, anything like a disaster was averted.

There will always be the likelihood of a shortage of water in this area until additional storage facilities and supplementary water is provided. It is hoped that the investigations now being conducted by the U. S. Bureau of Reclamation with reference to additional storage facilities and ways and means of augmenting the available water supply, will result in an alleviation of this situation in this District. The prospect at this time for a water supply for the Snake River Valley for the ensuing year is not at all encouraging, although there is quite a liberal carry-over of storage water in both Jackson Lake and American Falls reservoir, and it is hoped that subsequent precipitation may increase the available supply to an amount that will be reasonably adequate for all requirements.

Very truly yours,

Commissioner of Reclamation



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

WATER DISTRICT NO. 36

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

January 15, 1934.

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

Dear Sir:

I am transmitting herewith the 1933 annual report covering features of water distribution in District No. 36.

The distribution of water and maintenance of stream-gaging stations was continued as in past years, under a cooperative agreement between the Snake River waterusers, the State of Idaho, and the U. S. Geological Survey.

While the natural flow of the streams was considerably below normal, stored water supplies were fairly adequate even though 1,900,000 acre-feet of storage was diverted during the season. Some shortage was suffered by several canals on tributary streams, principally on Fall River, and to a lesser extent on Teton River.

The friendly cooperation and advice of yourself, the Committee of Nine, and officers of various canal companies, has been of material assistance and has been much appreciated.

The services of the various members of the operating organization during the season, and the assistance of J. V. Iorns and Ann B. Karmers in the preparation of this report are also gratefully acknowledged.

Very truly yours,

LYNN CRANDALL,

Watermaster.

WATER DISTRIBUTION AND HYDROMETRIC WORK

WATER DISTRICT NO. 36

- 1933 -

By LYNN CRANDALL

Watermaster

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INTRODUCTION

At the annual Watormaster election of District No. 36, held in Idaho Falls on March 6, 1933, Lynn Crandall was re-elected as Watermaster for the ensuing year, and the following were elected as members of the advisory Committee of Nine:

W. O. Cotton, E. B. Darlington, John W. Hart, John E. Kelloy, F. A. Miller, E. H. Neal, Eph Ricks, N. V. Sharp, and R. E. Shephard. The Committee organized by electing John W. Hart chairman, F. A. Miller, vice chairman, and John Loe, secretary.

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

The snowfall reports from the Jackson Lake watershed in the spring of 1933 indicated an amount about 10% under that of 1932, but still above the average of the past 15 years. The precipitation during June and July, however, was only about one-third of normal and the annual run-off at Moran for 1933 was only 82% of normal.

Jackson Lake filled to capacity and American Falls Reservoir filled to 1,405,000 acre-feet, or 82.6% of capacity. Some of the water in Jackson Lake, however, belonged to American Falls Reservoir, so the rights in neither reservoir were filled in full. The latter reservoir accumulated only 100,000 acre-feet out of the spring floodwater run-off, nearly the entire floodwater flow being taken to fill natural flow rights. Due to lack of precipitation the diversions

during June by canals above Blackfoot were the largest ever recorded in any month of any year since records have been kept. Seasonal stored water diversions from Jackson Lake by canals above Blackfoot amounted to about 496,000 acre-feet at the canal headings, exceeding such diversions in 1931, the year of next largest storage use, by 37,000 acre-foot. Some canals were short of water as it was and probably at least another 50,000 acre-foot would have been used if it could have been made available and those needing it had been financially able to purchase it. Upper Valley canals leased or rented 226,000 acre-feet of storage over and above all rights actually owned.

Stored water diversions by canals below American Falls amounted to 1,407,000 acre-foot, including the water diverted by the Gooding Project which was all charged as storage during 1933, in accordance with instructions from the U. S. Bureau of Reclamation and the State Commissioner of Reclamation.

In order to supply requests for seasonal rental of stored water by upper valley canals, consent of the U. S. Bureau of Reclamation and the executive committee of the American Falls Reservoir advisory board was secured to the rental of 50,000 acre-foot to upper valley canals and 4,532 acre-foot to the Milnor Low Lift District from the Idaho Power Company's secondary right. The water was delivered from water being held in the reservoirs to the credit of individual companies and is to be replaced in the American Falls Reservoir during the winter of 1933-34 by the Idaho Power Company refraining from drawing that much of its secondary right.

The season closed with about 450,000 acre-foot combined holdover

in Jackson Lake and American Falls Reservoirs, 150,000 acre-feet less than the same date a year ago.

Requests for the Watermaster to begin work of regulation on April 1 were filed by three canals during March. The U. S. Bureau of Reclamation on April 27 requested appointment of Lynn Crandall as special stored water deputy to administer the waters of Jackson Lake and American Falls Reservoirs. On June 12 he was also appointed special deputy to regulate the waters of Grays Lake and shortly thereafter, it having become apparent that American Falls Reservoir would not fill, the waters of Grays Lake were all turned down Willow Creek to fill rights prior to the right of diversion from Grays Lake to Blackfoot Reservoir. On June 22, 1933 Grays Lake was discharging about 50 second-feet through its north outlet into Willow Creek and loaking about 3 second-feet at the south outlet canal heading.

The River riders started work on June 28, prior to which date regulation was handled directly by the Watermaster, in cooperation with the canal companies. Regulation continued until the end of September, when the gates at Jackson Lake were closed. Owing to dry weather during October and the continued use of water for irrigating sugar beets, fall pastures, and ground before plowing, it became necessary to resume regulation and again open the gates at Jackson Lake on October 8 to discharge the natural flow.

Each canal was cut down at that time to about the amount that the Watermaster thought was really needed, without strict regard to priorities, and in this way sufficient water was made available to

furnish stock water to the lower canals near Blackfoot. On October 22 the Jackson Lake gates were again closed and regulation discontinued.

The stream-gaging work, as in past years, was carried on according to the standard methods of the U. S. Geological Survey.

PERSONNEL

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

Lynn Crandall,	Watermaster and Special Deputy Commissioner of Reclamation.
W. V. Iorns,	Assistant Engineer.
Melvin Luke,	Hydrographer and Deputy Watermaster on Henrys Fork and tributaries.
Geo. H. Powell,	Hydrographer during irrigation season.
Ann B. Kammers,	Clark.
Walter Lenz,	Deputy Watermaster, Upper Fall River.
Clarence Madsen,	" " Henrys Fork & Teton River.
W. J. Kremer,	" " Heise Division.
H. M. Bransvoll,	" " Rigby Division.
R. S. Beal,	" " Idaho Falls Division.
Eugene Liljonquist,	" " Blackfoot Division.
H. E. Field,	" " American Falls Dam.
Dana Tomplin,	" " Minidoka Dam.
W. N. McConnell,	" " Milnor Dam.
Wm. Burton,	" " Swan Valley District.
B. B. Hill,	Supt., Jackson Lake Dam.
J. M. McGinn,	Supt., Henrys Lake Dam.

Mrs. John Keppner, C. C. Davidson, Mrs. Irvin Sieport, C. S. Snyder, J. F. Johnson, D. R. Anthony, James Fugal, J. A. Clough, W. J. Baker, T. E. Culley, and G. S. Gilham, gage readers.

SNOW SURVEYS

Beginning in 1919 monthly snow surveys have been made during the winter months on the Jackson Lake watershed and have proved of increasing interest with the passing years. The results of these surveys reduced to water equivalent are shown in the following table:

Table showing average water equivalent of snow on
Jackson Lake watershed in inches.

<u>Year</u>	<u>Dec.</u>	<u>Jan.</u>	<u>Feb.</u>	<u>March</u>	<u>April</u>
1919	6.1	8.1	12.0	16.8	18.4
1920	-	9.5	13.9	21.5	23.0
1921	-	-	17.9	20.6	21.3
1922	8.8	14.2	18.2	22.0	22.1
1923	6.4	11.3	15.6	20.8	23.0
1924	8.6	10.7	13.4	15.8	19.3
1925	7.3	13.0	24.7	25.9	24.3
1926	6.3	9.0	14.0	16.6	17.0
1927	14.0	20.0	27.0	33.0	36.0
1928	14.0	18.0	20.0	23.8	31.5
1929	4.7	9.5	16.5	20.2	22.0
1930	4.8	8.3	13.5	16.8	13.0
1931	4.2	5.5	6.9	9.3	10.8
1932	6.1	12.1	20.0	24.0	26.1
1933	-	10.8	18.8	21.6	24.0
Mean	7.6	11.4	16.8	20.6	22.1

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

While the March and April, 1933 snowfall reports above Jackson Lake were slightly in excess of the mean for these months, it is probable that the snowfall on the drainage area below Moran was less than average, judging from the precipitation records at Irwin which showed an accumulated precipitation from October, 1932 to April, 1933 of only 58% of normal.

REGULATION SCHEDULE

The following schedule applies to regulation on the main river above Blackfoot. Regulation below American Falls was effective beginning April 1 but the amount of water being diverted by upper

valley canals in relation to valid decrees was such that regulation there did not become necessary until about the middle of June.

1933 Regulation Schedule

June	15	Cut off upper valley rights later than March 13, 1921.
"	28	Cut off 1916 rights.
"	29	Cut off rights later than March 22, 1903.
"	30	Restored June 1, 1903 rights.
July	5	Cut off 1903 rights above Blackfoot.
"	6	Cut off 1900 rights.
"	8	Cut off rights later than July 9, 1896.
"	9	Cut off all 1896 rights.
"	10	Cut off June 1, 1895 rights.
"	11	Cut off rights later than Feb. 6, 1895.
"	13	Filled 70% Feb. 6, 1895 rights.
"	14	Filled 10% Feb. 6, 1895 rights.
"	15	Cut off all 1895 rights.
"	16	Cut off all 1894 rights.
"	17	Cut off June 1, 1892 rights.
"	18	Filled 50% of April 28, 1892 rights.
"	19	Filled 50% of Dec. 14, 1891 rights.
"	20	Cut off rights later than June 1, 1891.
"	21	Cut off June 1, 1891 rights.
"	22	Cut off all 1891 rights.
"	24	Cut off Oct., 1890 rights.
"	25	Filled 50% July 12, 1890 rights.
"	30	Filled 50% June 10, 1890 rights.
"	31	Filled 25% June 10, 1890 rights.
Aug.	1	Cut off June 10, 1890 rights.
"	2	Filled 50% June 10, 1890 rights.
"	4	Filled 50% June 10, 1890 rights.
"	5	Cut off June 10, 1890 rights.
"	7	Cut off all 1890 rights.
"	14	Filled 75% July 10, 1889 rights.
"	17	Filled 50% July 10, 1889 rights.
"	18	Cut off rights later than July 1, 1889.
"	22	Restored 50% July 10, 1889 rights.
"	24	Restored all 1889 rights.
"	27	Restored March 1, 1890 rights.
"	28	Restored 50% June 1, 1890 rights.
Sept.	3	Cut off 1890 rights.
"	4	Cut off July 10, 1889 rights.
"	7	Filled 50% June 1, 1889 rights.
"	8	Filled 50% May 11, 1889 rights.

Sept. 9	Filled 40% May 11, 1889 rights.
" 10	Filled 20% May 11, 1889 rights.
" 15	Filled 30% May 11, 1889 rights.
" 16	Filled 70% May 11, 1889 rights.
" 17	Filled 25% June 1, 1889 rights.
" 26	Filled all 1889 rights.
" 28	Filled June 1, 1890 rights.

The schedule for Henrys Fork and tributaries is shown separately in the chapter covering distribution on Henrys Fork.

Regulation was discontinued September 30 but within a week the river went practically dry at Blackfoot and regulation was resumed October 8 and continued until October 22 on a basis whereby the available water supply was divided up between all of the canals without particular regard to priority. In this way it was possible to furnish each canal with enough water for domestic supply, beet irrigation, etc. The dry weather during the latter part of September and during October made it necessary to irrigate sugar beets before digging, as well as requiring irrigation of stubble ground before fall plowing.

WATER SUPPLY

The following tabulation of normal flow run-off at the Moran and Nooley stations is similar to that in preceding reports:

Table showing annual run-off in acre-foot
of Snake River at Moran and Neeley stations

<u>Year ending Sept. 30</u>	<u>(a) Acre-foot</u>	<u>Moran % of mean</u>	<u>(b) Acre-foot</u>	<u>Neeley % of mean</u>
1904	1,501,910	122	7,200,000	119
1905	770,570	73	4,150,000	60
1906	899,220	84	5,430,000	89
1907	1,282,000	120	6,510,000	139
1908	1,123,600	105	6,770,000	111
1909	1,461,300	137	8,540,000	140
1910	1,230,070	116	7,230,000	110
1911	1,345,790	126	7,080,000	116
1912	1,214,110	114	8,040,000	131
1913	1,436,000	135	8,600,000	141
1914	1,149,360	108	7,550,000	123
1915	770,130	72	4,950,000	81
1916	1,222,100	115	6,020,000	112
1917	1,230,040	116	6,120,000	133
1918	1,248,200	117	7,590,000	124
1919	605,190	64	4,610,000	75
1920	993,105	93	5,330,000	87
1921	1,067,370	100	6,770,000	111
1922	1,006,050	94	6,020,000	90
1923	944,500	89	5,630,000	92
1924	647,730	61	3,900,000	64
1925	1,320,000	125	6,290,000	103
1926	761,000	71	4,789,000	70
1927	1,417,000	133	6,470,000	106
1928	1,531,000	125	6,743,000	110
1929	665,000	81	4,770,000	70
1930	794,000	74	4,242,000	69
1931	576,000	54	3,297,000	54
1932	992,000	93	4,063,000	67
1933	670,000	62	4,022,000	66
Mean	1,067,000		6,120,000	

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

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

The Neeley records have been adjusted to cover holdovers in the American Falls Reservoir but have not been corrected for Jackson Lake holdovers or variations in diversions from year to year, on account

of the many assumptions that would be necessary in making such corrections.

It will be noted that during the years since the construction of American Falls Reservoir the run-off at Noeloy has been a smaller percentage of the mean than that at Moran. This is partly due to greater storage diversions by upper valley canals than was previously possible in the years when most of the Jackson Lake storage had to pass Noeloy for use by lower valley canals that are now supplied from American Falls reservoir.

In 1933, for example, upper valley canals diverted 496,000 acre-foot of stored water from Jackson Lake while in the years prior to the building of American Falls Reservoir upper valley storage diversions ranged from 14,000 to 100,000 acre-foot annually.

TRANSFERS AND EXCHANGES

During the year a permanent transfer was granted to Wells Cheney to change the place of use of 1.2 second-foot of water, June 2, 1889 priority, decreed in the Cheney Ditch, no change being made in point of diversion.

A permanent transfer was also granted to Annio C. Shurtleff to change the place of use of 1.30 second-foot of June 1, 1889 priority of the waters of Rainey Creek.

No temporary transfers were permitted except in the case of a few small ditches in the Heise section where several transfers of small amounts of water were allowed for short intervals between canals

heading near together.

After the middle of July several of the upper valley canals that had lost most of their natural flow rights found it necessary to shut out at intervals in order to conserve storage and they were allowed credit for 90% of valid natural flow rights shut off at such times. This water was accumulated as storage to their credit and drawn later in the season.

The practice of transferring Jackson Lake storage to Henrys Fork canals by trading for natural flow was continued as in past years, 53,000 acre-feet of storage measured at Jackson Lake being thus exchanged during the season. Except for this practice a number of the canals on Henrys Fork and tributaries would have been seriously short of water in 1933.

LITIGATION

The only new litigation initiated during the year was a suit filed by the American Falls Reservoir District #2 against the American Falls Reservoir District, The Secretary of the Interior, the Commissioner of Reclamation, and the Watermaster, seeking to determine the right of the Milner Gooding Canal to divert natural flow. At the time of writing this report the case had not yet come on for trial.

CANAL DELIVERIES

Diversions by the various canals between Boise and Blackfoot during the months from May to September are shown on Plates 6 to 10, inclusive. No attempt is made to secure records of diversions by

11.

upper valley canals outside of the irrigation season. Diversions by canals below Neeloy are shown for the entire year on Plates Nos. 32-41, inclusive.

Prior to June 20, when the river riders started to work, the discharges of upper valley canals are based principally on readings furnished by the several canal watermasters, except in the case of some of the larger canals that are equipped with automatic recorders. The various canals were visited about once a week by a hydrographer from the Watermaster's office to secure check readings.

No records of diversions by upper valley canals were secured after October 1, although the use of water for irrigation continued during practically all of October.

The following tabulation shows the seasonal diversion, area under canal, and acreage actually irrigated in 1933 along the main Snake River from Heise to Milner. A similar tabulation for Henrys Fork Canals will be found on pages 27 and 28.

The acreage figures are those reported by the officers of the various canal companies. The acreage irrigated is supposed to represent the gross area upon which crops were grown during the year, no deductions being made for such items as roads, canals, building sites, etc.

Table showing irrigated acreage and seasonal diversions during 1933 by Snake River Canals

<u>Name of Canal</u>	<u>Acre-foot</u>	<u>Area under canal</u>	<u>Acreage irrigated 1933</u>	<u>Diversions ac.ft. per acre irrig.</u>
Riley	4,660	873	850	5.5
Anderson & Eagle Rock ✓	211,000 (a)	31,300	31,000	6.0 (a)
Farmers Friend	91,600	10,500	10,500	8.7
Enterprise	35,200	7,000	6,500	5.4
Nelson	430	160	57	7.7
Mattson & Craig	2,620	650	300	8.7
Arnsberger	593	200	160	3.7
Ross & Rand	1,570	160	115	13.7
Butler Island	12,600	1,400	850	14.8
Steele	2,120	257	160	13.2
Harrison	91,600	16,000	16,000	5.7
Cheney	1,300	240	200	6.9
Boomer & Idaho ✓	247,000	35,524	35,524	7.0
Rudy	40,500	5,000	4,300	11.3
Eito & Nord	1,290	240	160	8.1
Burgess	177,000	21,000	21,000	8.4
Clark & Edwards	18,900	1,900	1,600	11.8
Lowder & Jennings	8,590	1,200	900	9.6
East LaBelle	30,500	2,500	2,300	13.2
Sunnydell	24,600	3,445	3,225	7.6
Lenroot	29,300	3,960	3,960	7.4
Reid	35,300	5,500	4,500	7.8
Texas Feeder	59,500	4,500	4,300	13.6
Nelson-Corcy	3,230	460	210	15.4
Hill-Pottinger	462	190	120	3.8
Rigby	41,700	3,600	3,500	11.9
Dilts & Island	34,300	3,980	3,760	9.1
W. Labelle, Indep. & Long Island	106,000	11,100	8,700	12.2
Parks & Louisville	79,400	6,500	6,500	12.2
North Rigby	13,700	1,250	1,000	13.7
White	1,590	200	100	15.9
Ellis	970	120	100	9.8
Bramwell	1,900	250	150	13.2
Butte & Market Lake	54,500	18,000	16,740	3.3
Osgood	26,600	7,000	6,000	4.4
Boar Island & Smith	455	150	130	3.5
Kennedy	7,840	1,600	1,400	5.6
Great Western & Portor ✓	145,000	26,000	26,000	5.6
Coy & Koller	369	30	30	12.3
Woodville	16,500	3,000	3,000	5.5
Snow River Valley ✓	140,000	25,000	21,500	6.5

<u>Name of Canal</u>	<u>Acro-foot</u>	<u>Area under canal</u>	<u>Acreage irrigated 1933</u>	<u>Diversions ac.ft. per acre irrig.</u>
Reservation ✓	206,900 (b)	60,196	30,300	6.9
Blackfoot	82,000	13,000	11,000	7.5
New Lava Side	34,000	6,000	5,500	6.2
Peoples	105,000	20,000	16,500	6.4
Aberdeen	259,000	62,298	45,000	5.8
Corbett	34,400	6,573	6,000	5.7
Nielsen-Hanson	2,500	640	600	4.2
Riverside	29,500	5,000	4,000	7.4
Danskin	50,600	6,000	6,000	8.4
Trego	14,500	1,750	1,400	10.4
Wearrick	14,800	1,540	1,540	9.6
Watson	20,600	4,000	3,000	9.5
Parsons	7,370	1,055	700	10.5 ✓
N. S. Minidoka ✓	450,300	65,933	63,699	7.2
S. S. Minidoka ✓	350,700	54,004	49,767	7.0
N. Side Milner ✓	1,034,000	170,000	120,327	8.0 ✓
S. Side Milner	1,006,000	202,660	202,660	5.4 -
Milner Low Lift	45,400	8,041	8,041 - 2	5.6
Gooding	277,000	77,744	35,865	7.7
Total main Snake River,	5,938,040	1,028,474	867,300	6.8

- (a) Additional supply of unknown amount also used from Willow Creek.
 (b) 92,600 acre-foot diverted from Snake River. Balance is supplied from Blackfoot River and Sand Creek waste.

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

Of the 2,687,000 acre-foot diverted by the upper valley canals from the main river between Boise and Blackfoot 441,000 acre-foot, or 16.4% was stored water. Of the 3,251,000 acre-foot diverted by lower valley canals below American Falls 1,407,000 acre-foot, or 43.3%, was stored water.

RIVER DATA

Segregation of river flow at the various stations between storage and normal, diversions, stored water losses, etc. are summarized for the season on Plates 11 to 13.

Stored water losses were charged on the same basis as in recent years. The segregation of flow at Moran between stored and normal was on the basis of the daily drop in the Lake being taken as storage and the balance at the Moran station being called natural flow. Owing to irregularities in the daily lake readings, resulting from winds, the segregation of flow at this point was adjusted, at times, over periods of several days to avoid causing great fluctuations in the daily normal flow.

Starting with the determined amount of stored water at Moran each day the storage diversions and storage losses were subtracted daily and a theoretical amount of storage computed that should have been at Blackfoot each day. At the Clough station, segregation of storage and normal flow was computed on the basis of an assumed minimum natural flow at that point of 150 second-foot after the date when no natural flow passed Blackfoot. To this 150 second-foot was added any water contributed by the Blackfoot River and the difference between such total and the entire flow at Cloughs was called stored water.

Owing to unsatisfactory measuring conditions, no attempt was made to secure accurate daily records at the old Blackfoot bridge station. This station is of practically no value except in years when it may be necessary to run Jackson Lake storage to the lower

valley on account of lack of sufficient water in American Falls Reservoir. Under present operation methods lower valley canals are supplied from American Falls and just enough storage is carried through the upper valley and past Blackfoot to take care of possible river fluctuations. This generally results in some American Falls water being left in Jackson Lake at the close of each season except in very dry years. This procedure, however, is of general advantage to everyone; it saves the lower valley canals a transmission loss charge of about 13% on their Jackson Lake water and it helps to make water available in Jackson Lake for exchange with upper valley canals who own or lease American Falls water. In years of normal run-off it also helps to insure the filling of both reservoirs. If the holdover stored water is in Jackson Lake it can always be run downstream, but if in American Falls it might waste to the ocean if the latter reservoir filled while Jackson Lake did not. In years of low run-off when the reservoirs do not both fill the water in storage is allotted on the same basis as if it were in the reservoir to which it belonged at the close of the previous season.

The segregation of flow at Nooley was on the basis of the normal flow at Cloughs plus calculated inflow between Clough and Nooley being taken as normal flow at Nooley and the balance at that point being called stored water. The calculated daily inflow between Clough and Nooley was determined by taking the daily flow of the Portneuf River at Pocatello and adding thereto spring and

wastewater inflow based principally on measurements at various times throughout the season. Results of the special 1933 measurements of this inflow are shown on page 23.

Segregation between stored water and natural flow below Neeley was on the basis of the Neeley natural flow, any diversions below that point in excess thereof being tabulated as stored water except that all diversions by the Milner-Gooding project were classed as stored water, in accordance with instructions from the U. S. Bureau of Reclamation and the State Commissioner of Reclamation.

STORED WATER DELIVERIES

The allotments of storage in Jackson Lake and American Falls Reservoirs were made during the season, as follows:

Jackson Lake allotment for 1933

American Falls water in Jackson Lake at end of 1932 season:

Upper valley rights,	40,516	acre-foot
Lower valley rights,	<u>148,467</u>	"
Total,	<u>188,983</u>	"

Spill at Moran, June 6-22,	<u>122,000</u>	"
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Balance of American Falls 1932 water in Jackson Lake on June 22, 1933, after which date all spill went to fill natural flow priorities,	66,903	"
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Normal flow stored in Jackson Lake prior to June 22, 1933 that should have been released to fill natural flow rights below Neeley, which were filled in lieu thereof by water released from American Falls Reservoir,	15,710	"
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Total owed to American Falls by Jackson Lake,	<u>82,693</u>	"
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Reservoir capacity,	847,000	acre-foot
Due American Falls Reservoir includ-		
ing lower valley stored normal flow,	<u>82,693</u>	"

Jackson Lake available for allotment,	764,307	"
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Allotted as follows:

Bottom rights in full,	437,610	acre-foot
Twin Falls Canal Co. top right,	77,543	"
N. Side Canal Co. top right,	<u>248,954</u>	"
Total,	764,307	"

American Falls Reservoir Allotment for 1933

Reservoir hold on June 24,	1,405,340	acre-foot
Due from Jackson Lake,	82,693	"
Used by canals prior to June 24		
(above and below reservoir),	114,150	"
Storage used by Gooding & Milner		
Low Lift July 3-4 (all natural		
flow rights below Neeley being		
filled),	<u>4,740</u>	"
Total,	1,606,923	"

Allotted as follows:

<u>Canal</u>	<u>Right</u> <u>filled</u> <u>in full</u>	<u>Right</u> <u>85.8%</u> <u>filled</u>	<u>1932</u> <u>hold-</u> <u>over</u>	<u>Total</u> <u>1933</u> <u>right</u>
Poplar District	793			793
Harrison Canal Co.	11,994			11,994
Roid Canal Co.	3,002			3,002
Utah-Idaho Sugar Co.	15,052			15,052
C. D. Smith	79			79
Idaho Irrigation Dist.	26,906			26,906
Blackfoot Canal	15,033			15,033
Corbett Canal	4,000			4,000
Trego Canal	1,462			1,462
Hillsdale District	41,146			41,146
Idaho Power Co.	45,000			45,000
Gooding Canal	400,000			400,000

<u>Canal</u>	<u>Right filled in full</u>	<u>Right 65.0% filled</u>	<u>1932 hold- over</u>	<u>Total 1933 right</u>
<u>American Falls District</u>	457,421			
N. Side Canal Co. 250,032				250,032
Twin Falls " " 151,105				151,105
Woodville 9,000				9,000
Martin 2,250				2,250
Aberdeen 35,076		4,690		40,566
Surplus 270				270
Total, 457,421				
 Progressive District		12,540	1,292	13,832
Enterprise Canal Co.		9,030	0	9,030
Burgess Canal Co.		6,430	0	6,430
Lenroot Canal Co.		3,060	0	3,060
Dilts Canal Co.		000	0	000
Enterprise Irrig. District		1,720	0	1,720
Butte & Market Lake		2,500	0	2,500
New Sweden District		24,500	0	24,500
Boar Island		193	22	215
Snake River Valley		23,750	1,361	25,111
Peoples Canal Co.		19,300	0	19,300
Minidoka District		42,900	0	42,900
Milner Low Lift		29,300	205	29,505
U. S. (unused options)		27,450	0	27,450
Leased space		371,866		371,866
Total,				1,606,923

Final computations of river and canal data after the close of the season resulted in some changes in the figures on diversions prior to June 24, etc. but the allotments have been left as originally made as the effect on any individual canal's right would be slight, and distribution during the season was made on the basis of the original allotment.

Daily storage diversions are shown on Plate 14 for the various canals using stored water. Henrys Fork canals are grouped together

on this tabulation but are listed separately on Plate 22.

For convenience to the many users, most of the storage rentals were handled through the Watermaster's office. Following is a tabulation of such rentals measured at Jackson Lake:

<u>Rentals</u>		<u>Secured from--</u>	
Swan Valley Users,	1,007 acre-ft.	U. S. unused options,	27,450 acre-ft.
Nelson Ditch,	161 "	Idaho Power Co. share	
Mattson-Craig,	220 "	in leased space,	19,000 "
Arnsborgor,	107 "	Idaho Power Co. sec-	
Harrison,	5,000 "	ondary right,	50,000 "
Kite & Nord,	107 "	Reid Canal Co.,	2,920 "
Rudy,	1,720 "	Twin Falls Canal Co.,	3,534 "
Burgess,	432 "	Total,	103,704 "
Hill-Pottinger,	80 "		
Island Ward	1,905 "		
Canyon Creek,	1,493 "	In addition to these rentals	
Marysville,	2,570 "	handled through the Water-	
Twin Groves,	7,100 "	master's office, the Idaho	
Farmers Friend,	3,709 "	Power Company rented 4,532	
Upper Teton,	2,060 "	acre-feet of its secondary	
Lower Teton	1,027 "	right to the Milner Low Lift	
Cons. Farmers,	4,290 "	District and several of the	
Salem Union	5,900 "	Canals transferred or rented	
Farmers Own,	1,000 "	small amounts of storage to	
McBee,	43 "	others, as noted on Plates	
Conant Creek,	474 "	14 and 22.	
Indopendent,	0,500 "		
Butte & Markot Lake,	11,000 "		
Bear Island,	65 "		
Kennedy,	45 "		
New Sweden,	232 "		
Kellar,	69 "		
Peoples,	10,000 "		
Aberdeen,	31,329 "		
Trego,	1,000 "		
Total,	103,704 "		

The stored water wasted past Milner has been divided between the several canals in proportion to amounts diverted, as in past years.

The American Falls Reservoir showed a total loss for the five months, May to September, of 27,830 acre-foot, or about 2.0% of the maximum storage of 1,405,340 acre-foot reached on June 24. Inasmuch as the reservoir allotment was made as of June 24, all the losses prior to that date are automatically charged in making the allotment.

After June 24 the reservoir losses were as follows:

June 25-30 (1/5 month),	7,600	acre-ft.	loss
July,	9,530	"	"
August,	15,900	"	gain
September,	<u>14,500</u>	"	"
Period,	13,270	"	gain

The 1933 records confirm those of the past several years when very little stored water has been carried past Blackfoot and a heavy draft has been made on American Falls Reservoir during the latter part of the season, resulting in a rapid drawdown and substantial gain from return of reservoir bank storage.

The American Falls holdovers for the various canals owning both Jackson Lake and American Falls water have been calculated in accordance with the indicated desire of each company as to which storage water they desired to first use. These holdovers are shown on Plate 14 and aggregate 401,476 acre-foot, to which should be added 13,270 acre-foot unallotted American Falls Reservoir gain after June 24, making a total of 414,746 acre-foot of American Falls water held over on September 30, including 45,000 acre-foot of Idaho Power Company primary water which will be withdrawn before the 1934 season. American Falls Reservoir on September 30, 1933 held 244,430 acre-foot, to which should be added 54,532 acre-foot to be stored in the reservoir this winter from the

Idaho Power Company's secondary rights on account of water leased during 1933. This makes a total holdover supply of 200,962 acre-foot at American Falls Reservoir. The holdover rights aggregate 14,746 acre-feet, leaving 115,704 acre-feet of American Falls water in Jackson Lake at the close of the 1933 season.

RIVER LOSSES AND GAINS

Losses and gains between river stations are shown by monthly averages, using the time intervals shown on Plate 15.

Gain in Snake River, Moran to Heise stations

1933

(Heise dates and 24-hr. second-foot, except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
Moran	1,726	92,046	172,700	160,360	95,904	522,736
Heise	230,440	569,400	341,970	265,100	103,010	1,597,920
Riley ditch	69	060	704	457	175	2,353
Heise & Riley	230,509	570,260	342,754	265,557	103,105	1,600,273
Total gain						
s.f.	236,703	478,222	170,054	105,197	07,201	1,077,537
Mean gain s.f.	7,640	15,940	5,490	3,390	2,910	7,040
Tot. gain a.f.	470,000	949,000	330,000	200,000	173,000	2,130,000

The total gain in this section was 21% loss than during 1932.

Gain in Snake River, Heise to Sholloy stations

1933

(Heise dates and 24-hr. second-foot, except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
Heise & Riley	230,509	570,260	342,754	265,557	103,105	1,600,273
Rexburg	01,540	94,350	17,040	13,020	22,609	230,239
Total supply	320,049	664,610	360,594	279,377	205,074	1,030,512
Diversions	56,201	266,142	247,450	107,507	147,907	915,377
Now supply	263,760	398,476	113,144	01,700	57,967	915,135
Sholloy	247,470	390,270	132,020	90,440	73,030	940,630
Tot. gain s.f.	16,290	- 206	19,476	14,660	16,663	33,495
Mean " s.f.	- 526	- 7	620	473	529	219
Tot. " a.f.	-32,300	- 400	30,600	29,100	31,500	60,492

The gain in this section during the months July to September averaged about the same as in 1932, although the total seasonal gain was considerably less in 1933 due to greater losses during June. In normal years the gain during the latter part of the season has averaged 1,000 second-foot or more, while during the past two years it has been only about one-half of this amount.

Loss in Snake River, Shelley to Cloughs Ranch stations

1933

(Shelley dates and 24-hr. second-foot, except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
Shelley	247,470	399,070	136,100	97,610	73,900	954,230
Blackfoot River	10,200	755	603	116	700	12,454
Total supply	257,750	399,825	136,703	97,726	74,600	966,604
Diversions	57,595	115,070	92,030	67,026	47,390	379,927
Net supply	200,155	284,747	44,665	29,900	27,290	566,757
Cloughs	190,210	270,770	39,367	23,524	22,000	554,751
Total loss s.f.	9,945	5,977	5,290	6,376	4,410	32,006
Mean " s.f.	321	199	171	206	147	209
Total " a.f.	19,700	11,000	10,500	12,700	8,750	63,450

Loss in Snake River, Clough to Nooley stations

1933

(Nooley dates and 24-hr. second-foot, except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
Clough	192,920	270,095	43,374	23,426	22,314	560,929
Inflow C.- N.	90,322	60,593	61,090	61,900	79,594	413,499
Release from reservoir,	- 6,409	-19,745	219,003	232,733	114,704	541,006
Net supply	276,753	339,743	344,267	330,059	216,612	1,515,434
Nooley	271,350	320,500	339,450	346,100	223,940	1,501,420
Total loss s.f.	5,403	19,163	4,817	- 8,041	- 7,320	14,014
Mean " s.f.	174	639	155	- 259	- 244	91.6
Total " a.f.	10,700	30,000	9,530	-15,900	-14,500	27,830

The inflow Clough to Nooley is based on the flow of Portneuf River at Pocatello plus inflow below that point determined principally from the results of special measurements and calculated unmeasured inflow.

Four sets of special inflow measurements were made by Mr. Iorns.

The unmeasured inflow has been calculated as 122% of the unregulated

measured inflow; also by the Newell formula which is, unmeasured inflow = 840 plus $1/3$ measured inflow. After the Portneuf River floodwaters receded the two results were in close agreement.

Inflow measurements, American Falls Reservoir - 1933 (Second-foot)

<u>Stream</u>	<u>June 2-3</u>	<u>July 11-12</u>	<u>Aug. 14-15</u>	<u>Sept. 11-12</u>
Big Jimmy	33.9	31.5	31.2	31.0
Portneuf inflow below Pocatello,	304	313.6	298	310.9
Big Spring	429	436.1	451.3	430
Clear Creek	131	125.3	126.1	129.5
Ford Creek	7.3	7.0	7.0	6.7
Kinney Creek	31.5	30.5	30.0	30.8
Wide Creek	59.7	56.8	57.9	55.7
Pyle Creek	12.9	12.4	14.2	12.9
McTucker Spring	24.3	27.6	26.0	25.0
Hull Spring	0.0	7.8	8.0	7.6
Tanner Spring	0.6	2.0	0.3	3.5
Total unregulated	1042.2	1050.6	1050.0	1052.4
Portneuf at Pocatello	300.0	70.9	77.0	76.3
Crystal Ditch	12.5	15.6	9.3	18.3
Crystal Waste	15.4	21.2	20.2	20.0
Danielson Spring	42.9	57.4	46.9	50.6
Artesian Creek	1.0	3.0	3.0	1.5
Sterling Creek	7.0	4.5	6.0	5.5
Colburn Creek	0.0	2.0	1.3	2.0
Aberdeen waste	16.0	12.5	10.4	10.5
Tartar waste	0.0	9.5	7.0	7.0
Schiltz waste	3.0	3.2	3.0	2.5
Cedar waste	0.5	1.0	0	0.5
Ross Fork	40.6	45.7	46.5	47.4
Triple Creek	4.0	4.5	2.0	2.0
Bannock Creek	17.3	0.7	1.5	1.5
Ruoger Spring	23.0	24.4	23.0	24.1
Total measured,	1542.2	1334.7	1315.1	1330.1
Unmeasured inflow 122% formula,	1272	1202	1201	1204
Unmeasured inflow Newell formula,	1354	1205	1270	1203
Total inflow, 122% formula,	2814	2537	2516	2514
Total inflow Newell formula,	2096	2520	2593	2513

Loss in Snake River, Neeley to Minidoka stations, 1933
(Minidoka dates and 24-hour second-foot, except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
Neeley	270,810	320,950	338,810	346,540	226,710	1,503,820
Released from Lake Walcott,	-6,750	- 413	- 645	151	5,920	- 1,737
Total supply	264,060	320,537	338,165	346,691	232,630	1,502,083
N. Minidoka	40,672	47,580	48,850	46,480	28,612	212,194
S. Minidoka	24,257	35,760	37,320	36,170	26,543	160,070
River nr. Minidoka	203,140	235,290	247,210	249,550	172,350	1,107,540
Total use,	268,069	318,650	333,380	332,200	227,505	1,479,804
Total loss sec.-ft.	- 4,009	1,687	4,735	14,491	5,125	22,279
Mean loss sec.-ft.	- 129	62.9	154	467	171	146
Total loss ac.-ft.	- 7,930	3,740	9,470	28,700	10,200	44,180

The erratic variations of the loss in this section may readily enough be due to undetected variations in ratings at the river stations. The loss is so small in relation to the river flow that an error of 1 or 2% in the Neeley rating may cause a variation of 100% or more in the computed loss.

Gain in Snake River, Minidoka to Milner stations, 1933
(Milner dates and 24-hour second-foot, except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
Minidoka	202,785	235,270	246,640	250,160	174,900	1,109,755
P.A. Lateral	1,668	1,805	1,891	1,891	1,421	8,676
Gooding Canal	36,638	46,050	58,570	56,630	46,165	244,053
Milner Low Lift	3,415	4,861	5,201	4,994	3,728	22,199
North Milner	68,920	85,480	77,912	85,030	57,170	374,512
South Milner	99,550	101,540	109,640	112,640	81,930	506,300
River at Milner	896	421	452	309	309	2,387
Total use,	211,087	240,157	253,666	261,494	190,723	1,157,127
Total gain sec.-ft.	8,302	4,887	7,026	11,334	15,823	47,372
Mean gain sec.-ft.	268	163	227	366	527	310
Total gain ac.-ft.	16,500	9,700	14,000	22,500	31,400	94,100

DISTRIBUTION ON HENRYS FORK

Molvin Luke was in charge of distribution on Henrys Fork and tributaries, with headquarters at St. Anthony.

Water-supply conditions, in relation to normal, were about the same on that watershed as on the main river. Substantial shortages would have been suffered by various canals except for rented Jackson Lake water made available by exchanging for natural flow that under the cuts in effect should have passed St. Anthony for Snake River canals holding early priorities. Canals on Henrys Fork and tributaries diverted by exchange for natural flow during 1933 a total of 54,159 acre-foot of Snake River storage, equivalent to 56,377 acre-foot at Jackson Lake. Practically all of the natural flow available for exchange was rented and retained by Henrys Fork Canals until about August 20. Between that date and the end of September about 28,000 acre-foot of natural flow was discharged past the lowest canal heading below St. Anthony and delivered to prior rights on Snake River.

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

June 15	Cut off rights later than March 31, 1921.
July 5	Cut off rights later than 1900.
July 6	Cut off rights later than 1896.
July 7	Filled 50% of June 14, 1895 rights.
July 8	Filled June 1, 1895 rights.

Thereafter same schedule as Snake River.

The following schedule was in effect on the Teton River:

June 26	Cut off 80% of June 1, 1898 rights.
July 1	Cut off all June 1, 1898 rights.
July 6	Cut off all rights later than 1886.
July 8	Cut off all rights later than 1885.
July 12	Cut off 30% of June 1, 1885 rights.
July 13	Cut off rights later than May 31, 1885.
July 24	Cut off rights later than May 1, 1885.
Aug. 13	Cut off all 1885 rights.
Sept. 6	Cut off 10% of June 1, 1884 rights.
Sept. 17	Cut off 25% of June 1, 1884 rights.
Sept. 20	Cut off 50% of June 1, 1884 rights.
Sept. 26	Filled June 1, 1884 rights.

Daily diversions by Henrys Fork Canals are shown on Plates 16 to 20. May and June records are based on gage readings by canal watermasters, supplemented and verified by occasional readings by Mr. Luke. Plates 21 and 22 show segregation of flow at the various river stations and storage diversions.

The Henrys Lake allotment based on the reservoir contents

July 7, less 4,300 acre-foot dead storage, was as follows:

<u>Canal</u>	<u>Ownership</u>	<u>Acro-foot</u>
Last Chance	15.3%	5,075
St. Anthony Union	6.8	2,255
Egin	6.8	2,255
Salom Union	24.2	8,027
Independent	26.8	8,889
Consolidated Farmers	20.1	6,667
Total,		<u>33,168</u>

Henrys Lake on September 30, 1933 contained 7,240 acre-foot, less 4,300 acre-foot dead storage, or a net holdover of 2,940 acre-foot.

The segregation of daily flow at Henrys Lake outlet was made

by making miscellaneous measurements of inflow to the Lake from time to time and calling such quantities natural flow, the amounts at the outlet station in excess thereof being classed as stored water. The natural flow at this point is generally such a small proportion of the total flow that any method of determining storage release from the reservoir drop would introduce unwarranted and erratic variations in the computed natural flow. When heavy storage drafts are being made there also is considerable fall in the channel leading from the Lake proper to the dam where the reservoir gage is located, so that the gage readings do not correctly show the amount of water in the reservoir at such times. The usual transmission losses of 1.5% from Lake to Warm River and 0.5%, Warm River to Ashton, were applied to Henrys Lake storage as in past years.

The following tabulation of irrigated areas in the Henrys Fork region is similar to that previously shown for the main Snake River. Irrigated acreages were reported by the officers of the various canal companies and represent gross irrigated areas without reduction for such items as roads, canals, building sites, etc.

Table showing season diversions and irrigated
acreages, Henrys Fork Canals - 1933
(Diversions May to September, 1933)

<u>Name of canal</u>	<u>Acre-foot</u>	<u>Acreage</u> <u>under canal</u>	<u>Acreage</u> <u>irrig.</u> <u>1933</u>	<u>Divers.</u> <u>acre-ft.</u> <u>per acre irrig.</u>
FALL RIVER CANALS				
Yellowstone	72	5,000	0	0
Harrigfeld	0	3,500	0	0
Marysville	13,800	15,000	10,500	1.3
Farmers Own	4,250	12,000	3,000	1.4

<u>Name of canal</u>	<u>Acro-foot</u>	<u>Acroage under canal</u>	<u>Acroage irrig. 1933</u>	<u>Divers. acro-ft. per acre irrig.</u>
FALL RIVER CANALS (Cont'd.)				
Almy	147	60	60	2.4
Enterprise	29,200 (a)	7,010	5,990	4.9
Bell	926	120	120	7.7
Fall River	65,600	8,000	8,000	10.7
McBee	890	120	100	8.9
Chester	7,640	2,200	1,200	6.4
Silkey	2,680	613	445	6.0
Curr	11,200	1,570	1,570	7.1
Total Fall River	156,605	55,198	30,925	5.1
HENRYS FORK CANALS				
Dowdy	2,950	1,400	1,000	3.0
Last Chance	12,400	1,840	1,840	6.7
St. Anthony Union	131,000	10,000	10,000	13.0
Farmers Friend	27,700	2,900	2,900	9.5
Twin Groves	22,000	2,500	2,500	9.1
Salom Union	46,100	5,500	5,500	8.4
Egin	85,100	8,190	8,000	10.6
St. Anthony U. Feeder	24,100	2,500	2,500	9.6
Independent	60,200	7,000	7,000	8.6
Consolidated Farmers	47,400	8,000	6,000	7.9
Total Henrys Fork	459,750	49,910	47,240	9.7
TETON RIVER CANALS				
Siddoway	2,700	600	600	4.6
Wilford	29,400	2,500	2,500	11.7
Teton Irrigation	16,100	3,000	2,700	6.0
Good Luck	3,640	360	360	10.1
Pioneer	5,000	400	400	12.5
Stewart	3,070	360	360	10.7
Pincock-Byington	3,260	320	280	11.6
Pincock-Garner	4,450	580	400	11.1
Teton Island Feeder	76,800	12,000	11,500	6.7
North Salom	1,400	400	400	3.7
Roxana	3,400	1,000	1,000	3.4
Island Ward	10,500	3,300	3,000	3.5
Woodmansee-Johnson	2,990	1,310	1,000	3.0
City of Roxburg	9,180	1,295	995	9.2
Roxburg Irrigation	44,100	7,200	6,000	7.4
Total Teton River	216,950	34,625	31,495	6.9
Total Fall River, Henrys Fork and Teton River,	833,305	139,733	109,720	7.6

(a) Excludes 5,300 acro-foot carried for other canals on Teton River.

The total delivery to canals in the Henrys Fork section was 39,000 acre-foot less than in 1932.

River losses and gains in Henrys
Fork basin

The following tabulation shows losses and gains by months in various river sections on Henrys Fork and Fall River. The following time intervals have been used in preparing the tabulation:

Lake to Island Park,	1 day.	Ashton to St. Anthony,	$\frac{1}{2}$ day.
Island Park to W. River,	"	St. Anthony to Roxburg,	"
Warm River to Ashton	$\frac{1}{2}$ day.	Squirrel to Chester,	"

Gain in Henrys Fork, Lake to Island Park stations,
1933

(Island Park dates and 24-hour second-foot, except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
H. F. nr. Lake	240	240	8,750	6,461	1,201	16,900
H. F. nr. Island Park	25,035	21,197	21,553	18,733	13,487	100,005
Total gain s.f.	25,507	20,957	12,795	12,272	12,206	83,097
Mean gain s.f.	625	699	413	396	410	548
Total gain a.f.	50,700	41,600	25,400	24,300	24,400	166,400

Gain in Henrys Fork, Island Park to Warm River stations,
1933

(Warm River dates and 24-hour second-foot, except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
H. F. nr. Island Park	25,949	21,630	21,164	19,170	13,407	101,400
H. F. at Warm River	43,030	32,719	31,693	29,607	23,177	160,226
Total gain s.f.	17,001	11,009	10,529	10,429	9,690	58,010
Mean gain s.f.	551	370	340	336	323	304
Total gain a.f.	33,900	22,000	20,900	20,700	19,200	116,700

Gain in Henrys Fork, Warm River to Ashton stations,
1933

(Ashton dates and 24-hour second-feet, except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
H. F. at Warm River	43,175	32,985	31,527	29,830	23,183	160,700
H. F. nr. Ashton	66,640	49,560	41,670	39,270	32,320	229,460
Total gain s.f.	23,465	16,575	10,143	9,440	9,137	68,760
Mean gain s.f.	757	552	327	305	305	449
Total gain a.f.	46,500	32,500	20,100	10,800	10,100	136,300

Owing to discontinuance of the stations on Warm River and Robinson Creek, the flow of these streams is included in the gain to Henrys Fork between Warm River and Ashton stations beginning with 1933 records.

Gain in Fall River, Squirrel to Chester stations,
1933

(Squirrel dates and 24-hour second-feet, except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
Fall R. nr. Squirrel	43,570	95,950	21,069	16,106	13,044	190,547
Diversions	8,136	24,023	16,757	16,291	6,580	74,587
Balance	35,442	71,127	4,312	- 185	5,264	115,960
Fall R. nr. Chester	48,506	77,651	4,575	892	6,353	137,977
Total gain s.f.	13,064	6,524	263	1,077	1,069	22,017
Mean gain s.f.	421	217	8.5	34.7	36.3	144
Total gain a.f.	25,900	12,900	522	2,130	2,160	43,612

Gain in Henrys Fork, Ashton to St. Anthony stations,
1933

(Ashton dates and 24-hour second-feet, except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
H. F. nr. Ashton	66,640	49,560	41,670	39,270	32,320	229,460
Fall R. nr. Chester	47,816	78,535	4,845	892	6,243	138,321
Total	114,456	128,095	46,515	40,152	38,563	367,781
Diversions	29,508	56,022	25,092	19,948	11,432	122,802
Balance	84,948	92,073	20,623	20,204	27,131	244,979
H. F. at St. Anthony	91,270	94,210	22,766	21,139	26,646	256,031
Total gain s.f.	6,322	2,137	2,143	935	- 485	11,052
Mean gain s.f.	204	71.2	69.1	30.2	-16.2	72.2
Total gain a.f.	12,500	4,840	4,250	1,860	- 984	21,006

Gain in Henrys Fork and Teton River, St. Anthony to
Roxburg stations, 1933
(St. Anthony dates and 24-hour second-foot, except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
H. F. at St. Anthony	90,640	95,510	23,042	21,194	26,436	256,822
Teton nr. " "	20,655	54,950	22,531	18,899	15,326	140,361
Total supply	119,295	150,460	45,573	40,093	41,762	397,183
Teton diversions	16,174	39,600	21,824	17,698	14,180	109,404
H. F. diversions	27,857	29,842	21,762	18,280	11,502	109,323
H. F. Roxburg	61,465	93,400	17,380	13,674	22,072	229,011
Total accounted for	125,516	162,842	60,966	49,852	46,642	447,818
Total gain s.f.	6,221	12,302	15,393	9,759	6,000	50,635
Mean gain s.f.	201	413	497	315	229	331
Total gain a.f.	12,400	24,600	30,600	19,400	13,600	100,600

Regulation in Teton River

During the early part of July the users on the Teton River entered into an agreement whereby the Teton Basin users agreed to deliver an average daily flow of 20 second-foot to Teton River either through the String Canal or through some canal from Fall River or Henrys Fork by renting Jackson Lake storage. The upper users rented 2,860 acre-foot of storage which was delivered through the Enterprise Canal to the lower Teton River users in several runs during the latter part of the season. For a short period along after the middle of July they also delivered 20 second-foot through the String Canal and Warm Creek into Teton River. Under this schedule of operation the users in Teton Basin were permitted to divert all available water. Losses of about 27% were sustained in carrying the stored water from Fall River to Teton River through the Enterprise Canal, according to one set of measurements made by Mr. Luke on July 26.

The following measurements of streams tributary to Teton River were made during the season.

Miscellaneous measurements on Teton River watershed during the year ending Sept. 30, 1933.

<u>Date</u>	<u>Stream</u>	<u>Tributary to or diverting from-</u>	<u>Locality</u>	<u>Gage-height feet</u>	<u>Dis-charge sec.-ft.</u>
June 30	Teton River	Henry's Fork	At old station 1 mi. below highway bridge nr. Tootonia	1.24	449
Aug. 25	do	do	do	.90	326
June 27	Trail Creek	Teton River	Above head of String Canal nr. Victor		195
July 17	do	do	do	1.13	97.4
July 22	do	do	do	1.00 _a /	
July 24	do	do	do	0.94	80.0 _a /
July 26	do	do	do	.86 _a /	
Aug. 3	do	do	do	.84	60.0 _a /
Aug. 7	do	do	do	.84 _a /	
Aug. 12	do	do	do	.78	64.7 _a /
Aug. 24	do	do	do	.70	60.8
Sept. 4	do	do	do	.64	56.6 _a /
July 17	String Canal	Trail Creek	At head nr. Victor,	.80	60.9
June 27	Gano Creek	do	At highway bridge nr. Victor,		91.4
July 17	do	do	do	.73	34.5
July 22	do	do	do	.60 _a /	

<u>Date</u>	<u>Stream</u>	<u>Tributary to or diverting from--</u>	<u>Locality</u>	<u>Gage- height foot</u>	<u>Dis- charge sec.-ft.</u>
July 24	Gamb Creek	Trail Creek	At highway bridge nr. Victor	.62	31.0 <u>a</u> /
July 20	do	do	do	.60	27.0 <u>a</u> /
Aug. 3	do	do	do	.56	10.1 <u>a</u> /
Aug. 7	do	do	do	.52 <u>a</u> /	
Aug. 12	do	do	do	.50	14.9 <u>a</u> /
Aug. 24	do	do	do	.44	13.2
Sept. 14	do	do	do	.42	12.0 <u>a</u> /
July 17	Warm Creek	Teton River	At bridge 3 mi. southwest of Victor,	.96	24.9
July 22	do	do	do	.92	26.0 <u>a</u> /
July 23	do	do	do	.92	26.0 <u>a</u> /
June 30	Fox Creek	do	Above diversions		82.0
Aug. 24	do	do	do		8.6
June 30	Darby Creek	do	do		129.0
Aug. 24	do	do	do		14.5
June 30	Grand Teton Creek	do	do		371
Aug. 24	do	do	do		28.7
June 30	So. Loigh Creek	do	do		120
Aug. 24	do	do	do		8.6
June 30	No. Loigh Creek	do	do		91.7
Aug. 24	do	do	do		6.0

<u>Date</u>	<u>Stream</u>	<u>Tributary to or diverting from</u>	<u>Locality</u>	<u>Gage height foot</u>	<u>Dis- charge sec.-ft.</u>
July 15	Canyon Cr. Canal	Canyon Creek	At head at Pincock Spr- ings, 16 mi. SE of Nowdalo,		20.3
Aug. 12	do	do	do		10.2

a/Measurements by V. Penfold, watermaster in Teton Basin; other measurements by M. Luke or G. V. Iorns.

DISTRIBUTION IN SWAN VALLEY

Mr. Burton was again appointed as deputy watermaster in Swan Valley following his selection by the local water users who paid his salary and expenses directly. Various users in this section rented a total of 1,007 acre-foot of storage which was diverted from Palisade Creek.

CLIMATOLOGICAL DATA

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

(Precipitation in inches)

Month	Snake R. Wyo.		Moran, Wyo.		Irwin, Ida.		Ashton, Ida.	
	Act.	Norm.	Act.	Norm.	Act.	Norm.	Act.	Norm.
Oct., 1932	1.97	2.16	1.06	1.79	0.12	1.29	0.86	1.28
Nov.	2.30	2.76	1.52	1.82	0.76	1.08	1.71	1.25
Dec.	3.02	2.73	3.05	1.72	1.24	1.16	2.14	1.62
Jan., 1933	5.27	4.46	2.82	2.44	0.80	1.37	3.72	1.88
Feb.	4.33	2.76	2.92	2.15	0.81	1.06	1.22	1.36
Mar.	2.05	3.08	0.70	2.08	0.22	1.15	0.83	1.19
Apr.	1.69	2.08	1.82	1.72	0.69	0.92	0.41	1.17
Total Oct.-								
Apr. incl.	20.63	20.03	13.89	13.72	4.64	8.04	10.89	9.75
May	2.70	2.41	2.37	1.82	0.91	1.66	2.14	1.89
June	0.94	2.31	0.64	1.72	0.08	1.26	0.49	1.45
July	0.72	1.52	0.42	1.30	0.04	0.96	0.13	0.96
Aug.	1.80	1.69	1.82	1.29	0.18	0.89	0.97	0.68
Sept.	2.27	1.74	0.98	1.92	0.09	1.21	0.91	1.16
Year	29.06	29.70	20.12	21.77	5.94	14.02	15.53	15.89

Month	Idaho Falls		Blackfoot		Pocatello		Twin Falls		Mean 8 st.	
	Act.	Norm.	Act.	Norm.	Act.	Norm.	Act.	Norm.	act.	norm.
Oct., 1932	0.31	1.06	0	1.06	0.09	1.16	0.10	0.90	0.56	1.34
Nov.	0.25	0.82	0.38	0.76	0.25	0.89	0.73	1.09	0.99	1.31
Dec.	0.95	1.12	1.66	0.91	1.45	1.21	0.53	1.00	1.75	1.43
Jan., 1933	2.34	1.34	2.78	1.00	1.85	1.39	0.54	1.16	2.51	1.88
Feb.	1.36	1.03	2.50	0.80	0.41	1.27	0.55	0.95	1.76	1.42
Mar.	0.65	1.16	0.83	0.84	0.42	1.31	0.36	0.89	0.76	1.46
Apr.	0.98	0.99	0.83	0.92	0.99	1.43	0.61	1.01	1.00	1.28
Total, Oct.-										
Apr., incl.	6.84	7.52	8.98	6.29	5.46	8.66	3.42	7.00	9.34	10.13
May	0.83	1.38	1.21	1.37	1.46	1.52	0.74	1.10	1.54	1.64
June	0.22	1.22	0.27	0.86	0.15	1.09	0.01	0.85	0.35	1.34
July	0	0.64	0.02	0.73	1.05	0.77	0.01	0.39	0.30	0.91
Aug.	0.65	0.67	0.23	0.67	0.25	0.71	0.11	0.25	0.75	0.86
Sept.	0.20	0.85	0.42	0.84	0.16	0.81	0.24	0.61	0.66	1.14
Year	8.74	12.28	11.13	10.76	8.53	13.56	4.53	10.20	12.95	16.02

The annual precipitation at Snake River, Moran and Ashton stations was about normal; at Irwin, however, it was only 42% of normal, this deficiency being reflected in a decrease of 21% in the inflow between

Moran and Heise in 1933, as compared to 1932. The average precipitation at the 8 stations for the year was 81% of normal, the greatest deficiencies occurring during the months of June and July.

Average temperatures for May were the lowest recorded since 1916, with but little need for irrigation water above Blackfoot until the latter part of that month. Good growing weather and absence of rain resulted in heavy demands for water during June.

During the balance of the season weather conditions generally were quite favorable for maturing and harvesting most crops. Irrigation of potatoes continued until the latter part of September and of beets, to some extent, until past the middle of October.

CONSTRUCTION WORK

A new gage well and shelter was built at the station on Teton River near St. Anthony. The wells at the Heise and Clough stations were deepened and minor repairs made at other stations. Funds for most of this construction work were made available by the Public Works Administration.

WATER RIGHTS

No changes have been made in the tabulation of rights since the 1932 report.

EXPENDITURES FOR WATER DISTRIBUTION AND HYDROMETRIC WORKYear ending December 31, 1933Engineers and Hydrographers

Lynn Crandall,	Salary	11 mos. @ \$400.00	\$4,400.00
W. V. Iorns,	"	1 yr.	2,286.00
Melvin Luke,	"	5 mos. @ \$175.00	875.00
G. H. Powell,	"	2.16 mos. @ \$125.00	270.90
W. N. McConnell,	"	4 mos. @ \$50.00	200.00

River Riders

C. Madson,	"	104 days @ \$6.00, incl. mileage	624.00
W. J. Kremer,	"	101 " " 5.50 "	555.50
H. M. Bramwell,	"	95 " " 5.50 "	522.50
R. S. Boal,	"	40 " " 5.50 "	220.00
E. Liljenquist,	"	104 " " 5.00 "	520.00
W. Lenz,	"	2.83 mo. @ \$40.00 "	113.20

Clerks

A. B. Kammers,	"	1 yr.,	1,400.53
John Lee, Secy., Committee of Nine,		1 yr.,	49.50

Miscellaneous

Transportation,	32,415 miles @ 6¢,	1,944.90
Telephone & teletograph,		349.56
Supplies and equipment,		678.37
Gage readers,		519.04
Construction and repairs,		667.00
Miscellaneous,		<u>265.64</u>

Total,	<u>\$16,459.64</u>
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In addition to the above general expenses, upper valley members of the Committee of Nine were paid \$544.03 for time and expenses, which was charged to upper valley canals.

EXPENDITURES FROM VARIOUS FUNDS

Normal Flow users,	\$ 4,723.55
Jackson Lake and American Falls storage users,	3,036.49
Storage sales account,	782.43
Henrys Lake storage users,	147.22
Twin Lakes storage users,	12.00
State of Idaho Stream Gaging fund,	1,479.82
U. S. Geological Survey,	6,251.83
Federal Power Commission,	25.50
Total,	<u>\$16,459.64</u>

The U. S. Geological Survey funds include \$956.24 expended from Public Works allotment.

FUNDS ON HAND JANUARY 1, 1934

Normal Flow fund,	\$1,162.73
North Fork Reservoir Co.,	30.93
Utah-Idaho Sugar Co.,	13.51
County warrants on hand,	382.56
1933 normal flow assessments still unpaid,	754.69
State of Idaho Stream Gaging fund,	768.08
Storage Sales account,	2,360.78
U. S. Geological Survey,	1,043.39
Total,	<u>\$6,516.67</u>

HYDROGRAPH FOR JACKSON LAKE RESERVOIR BEGINNING

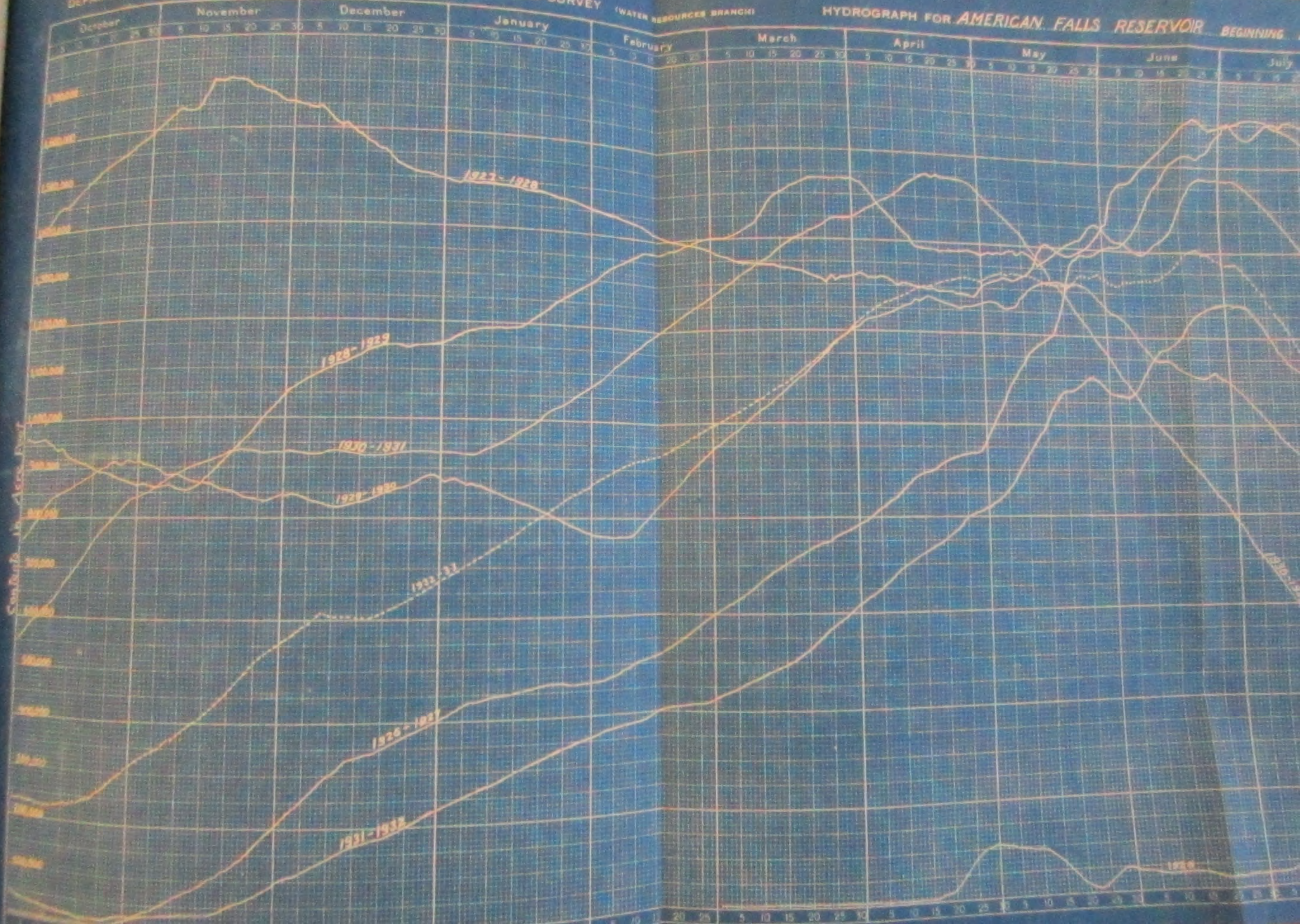
4279-2, Sept. 1919

DEPARTMENT OF THE INTERIOR

UNITED STATES GEOLOGICAL SURVEY

(WATER RESOURCES BRANCH)

HYDROGRAPH FOR *AMERICAN FALLS RESERVOIR* BEGINNING



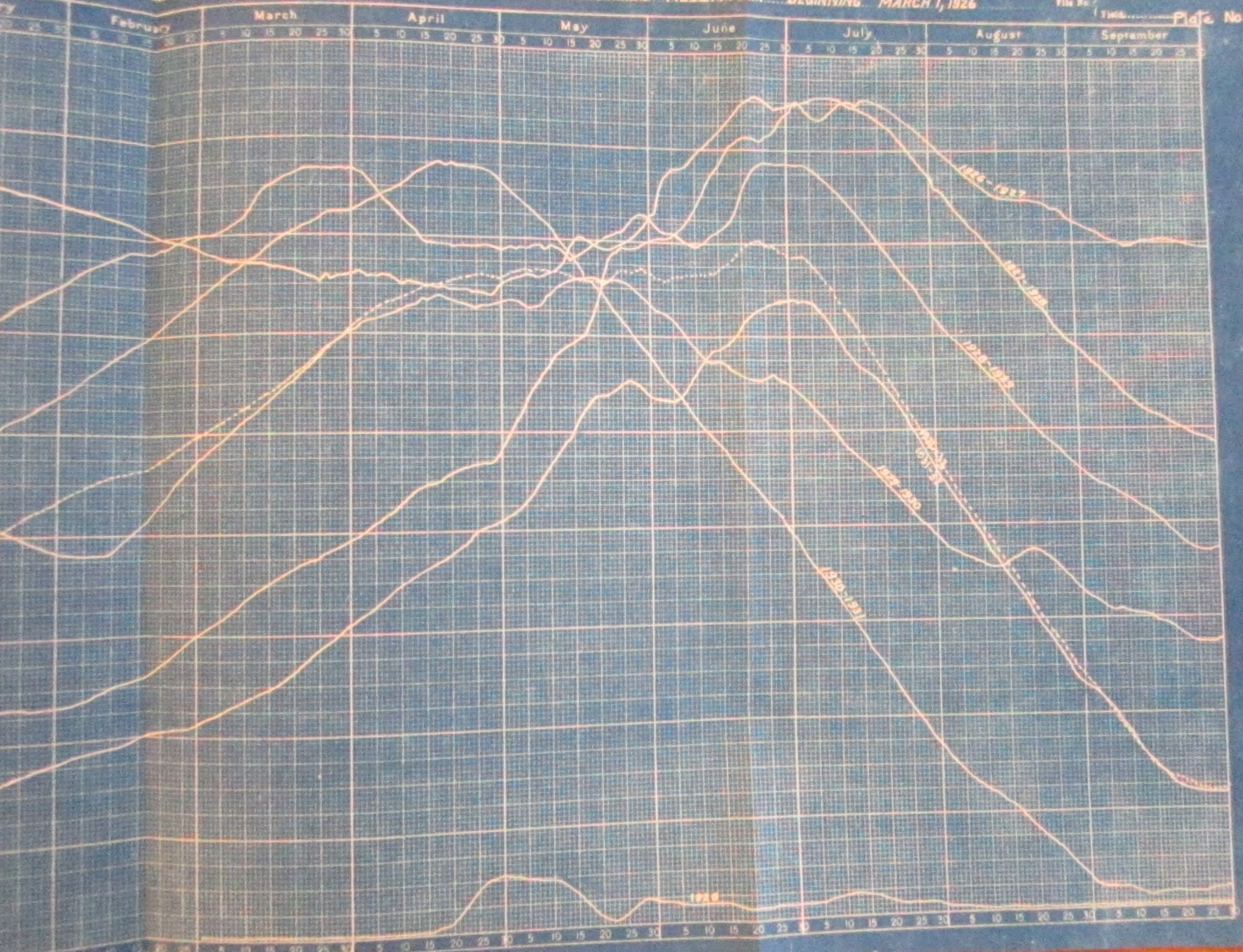


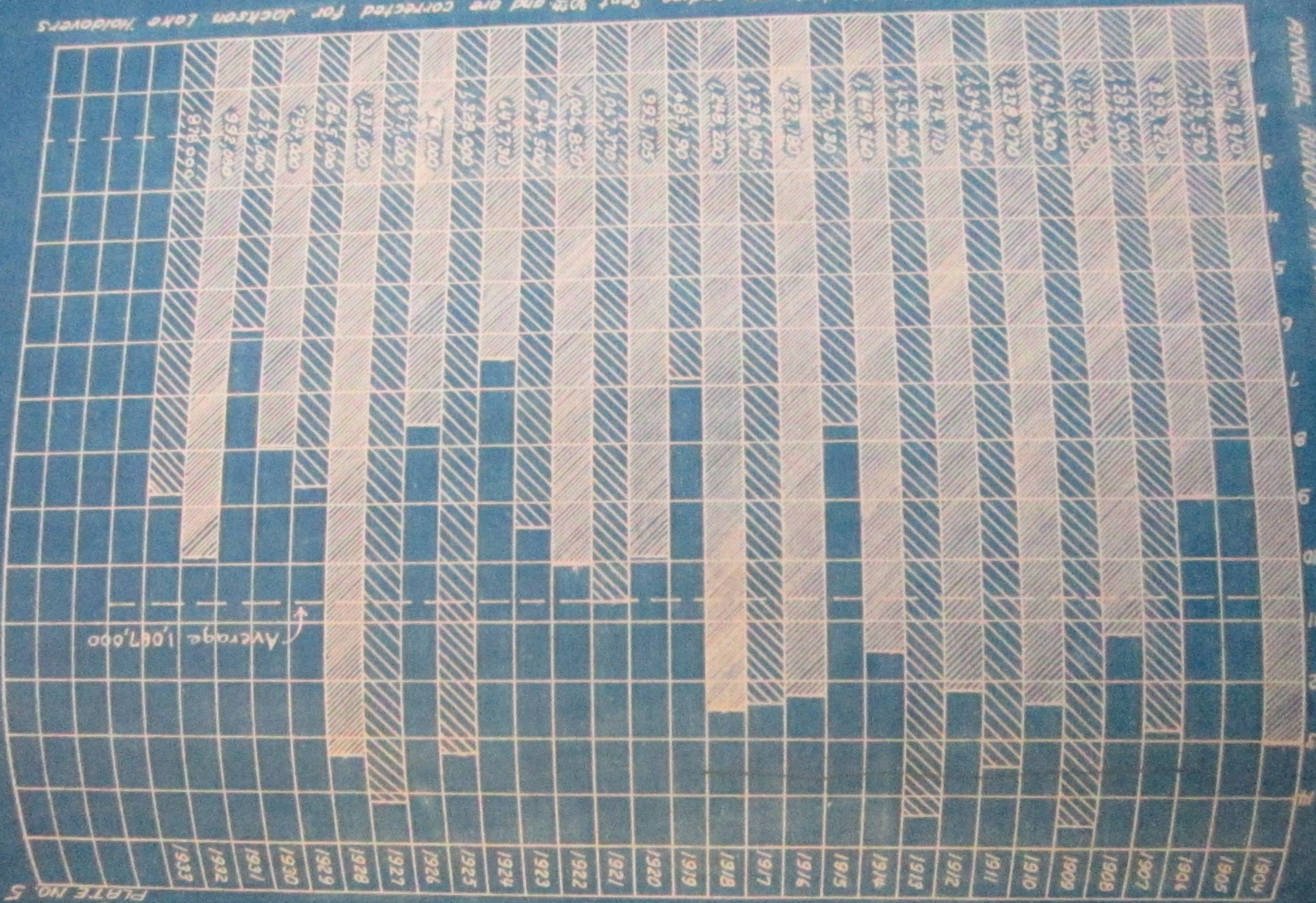
DIAGRAM SHOWING TOTAL ANNUAL RUNOFF IN ACRE-FeET OF SNAKE RIVER AT NEELEY, IDAHO
(MONTGOMERY FERRY PRIOR TO 1906)

PLATE NO. 4



Note: Runoff totals are for climatological year ending Sept. 30th, and are corrected for American Falls Reservoir backflows.

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



Note: Runoff trials are for climatological year ending Sept 30th and are corrected for Jackson Lake holdovers

S FOR MAY 1933

[illegible]

DAILY DISCHARGE IN SEC FT OF SNAKE RIVER CANALS FOR JULY 1933

NAME OF COMPANY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	TOTAL																																																																																																				
ANDERSON	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	TOTAL
BARBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	TOTAL
BELMONT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	TOTAL
BROWN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	TOTAL
BURTON	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	TOTAL
CAMPBELL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	TOTAL
CARR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	TOTAL
CARR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151																																																		

[illegible]

DATE 1933	JACKSON LAKE Cont. Ac. Ft.	MORAN			TWIN LAKES		MORAN HEISE LOSS STOR.	SWAN VALLEY STORAGE DIVERSION	DATE 1933	HEISE + RILEY			DIV. HEISE - SHELLEY			HEISE TO SHELLEY LOSS STOR.	REXBURG	DATE 1933	SHELLEY		
		STOR.	NORM.	TOTAL	DISCH.	T. MORAN STOR.				STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL				STOR.	NORM.	TOTAL
APR 15	513,520		33	33					APR 23			3740					2000	APR 23			4500
23	524,210		33	33					24			4410					2300	25			5210
24	524,910		38	38					25			5140					2320	26			6020
25	525,610		41	41					26			5610					2130	27			6280
26	526,300		43	43					27			6270					2160	28			6930
27	527,000		46	46					28			7220					2390	29			7110
28	527,700		59	59					29			8180					2920	30			7940
29	530,490		70	70					30			7750					3580	MAY 1			8700
30	533,380		67	67					MAY 1			6870				284	3320	2			8700
MAY 1	535,870		63	63					2			6320				286	2470	3			8700
2	538,210		65	65					3			6380				330	2240	4			8700
3	542,870		61	61					4			6210				478	2320	5			8700
4	545,000		63	63					5			6100				837	2190	6			8700
5	547,110		63	63					6			6210				949	2090	7			8700
6	549,210		65	65					7			5770				957	2020	8			8700
7	550,850		56	56					8			5430				987	1870	9			8700
8	552,470	0	46	46					9	0		5010				989	1650	10	0		8700
9	553,660	-288	332	44					10	-280		4810				899	1420	11	-267		8700
10	555,310	-522	565	43					11	-509		4680				817	1340	12	-484		8700
11	556,490	-595	639	44					12	-580		4580				762	1250	13	-552		8700
12	558,140	-833	879	46					13	-812		4540				732	1250	14	-774		8700
13	560,860	-1070	1122	52					14	-1040		4740				726	1350	15	-990		8700
14	564,910	-833	881	48					15	-812		5140				956	1610	16	-774		8700
15	563,320	-495	541	46					16	-482		5880				1020	1890	17	-458		8700
16	564,970	0	50	50					17	0		6860				1181	2390	18	0		8700
17	568,740	0	59	59					18	0		7750				1193	3280	19			8700
18	572,270	0	63	63					19	0		8120				1163	3660	20			8700
19	576,040	0	65	65					20	0		8150				1383	3590	21			8700
20	568,680	0	67	67					21	0		8940				1633	3530	22			8700
21	582,440	0	56	56					22	0		10300				2007	3760	23			8700
22	588,370	0	54	54					23	0		10500				1936	4150	24			8700
23	594,780	0	59	59					24	0		9730				2042	4190	25			8700
24	599,050	0	52	52					25	0		9500				2657	3840	26			8700
25	602,860	0	46	46					26	0		10506				2991	3700	27			8700
26	610,740	0	56	56					27	0		11710				3606	3760	28			8700
27	618,380	0	59	59					28	0		11510				4294	3470	29	0		8700
28	623,400	-244	288	44					29	-231		11110				5253	2870	30	-226		8700
29	631,070	-1528	1576	48					30	-1490		11610				6251	2520	31	-1420		8700
30	639,270	-1025	1090	65					31	-1000		13524				6851	2550	JUN 1	-951		8700
31	648,400	0	84	84					JUN 1	0		15723				7214	3210	2	0		8700
JUN 1	660,510	0	84	84					2	0		18025				7602	3690	3			8700
2	673,600	0	80	80					3	0		19225				7880	3650	4			8700
3	688,230	0	90	90					4	0		18928				7500	3390	5			8700
4	700,990	0	74	74					5	0		18228				7558	3140	6			8700
5	713,210	0	74	74					6	0		18131				7789	3010	7			8700
6	725,520	0	152	152					7	0		17431				7736	2840	8			8700
7	738,870	0	1180	1180					8	0		16222				7786	2820	9			8700
8	748,280	0	1520	1520					9	0		16614				7687	2730	10			8700
9	758,380	0	1540	1540					10	0		16614				8014	2880	11			8700
10	770,190	0	1560	1560					11	0		18415				8378	3270	12			8700
11	782,780	0	1600	1600					12	0		20719				8638	3740	13			8700
12	796,360	0	2520	2520					13	0		22029				9782	4050	14			8700
13	807,180	0	4000	4000					14	0		24433	0			9724	4400	15			8700
14	817,740	0	4620	4620					15	0		24733	138	9762	9900		4740	16			8700

AND BETWEEN SNAKE RIVER GAGING STATIONS 19																							
24-Hour second-foot except as noted																							
TOTAL	STOR.	NORM.	TOTAL	TO BL. BR. LOSS STORED	THEORETICAL BALANCE STORED BLACKFOOT BR.	BLACKFOOT RIVER	CLOUGHS			CALCULATED INFLOW CLOUGH TO NEELEY	DATE 1933	AM. FALLS RESERVOIR Cont. Ac. Ft.	NEELEY			LAKE WILCOTT Cont. Ac. Ft.		MINIDOKA CANAL					
							STOR.	NORM.	TOTAL				STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	NORTH	SOUTH	TOTAL	STOR.	
4100						212				2904	APR 25	1321 740											
5710						312			3830	2926	26	1321 350			6570	75650	1110	817	1927				
6070						369			4240	2936	27	1320 240			7680	75870	1180	941	2121				
6280						378			4990	2936	28	1318 770			8740	77680	1390	989	2379				
6930						310			5520	2947	29	1316 790			9140	79140	1570	1040	2610				
7930						297			5880	2980	30	1315 310			9220	79030	1620	1030	2650				
9110						278			6660	3024	MAY 1	1323 720			9180	78020	1500	1010	2510				
9560			546			246			7780	3033	2	1327 190			9180	80830	1520	1010	2530				
8700			416			318			8500	2978	3	1330 650			9100	81510	1570	929	2499				
7830			447			308			8390	2956	4	1333 620			9180	82980	1590	845	2435				
7500			626			319			7380	2935	5	1326 100			8940	83980	1620	817	2437				
7250			718			312			6880	2904	6	1331 150			8820	86100	1620	781	2401				
7250			775			318			6440	2914	7	1333 130			9140	84940	1540	784	2322				
7000			819			359			6220	2904	8	1332 140			9180	87150	1520	817	2337				
6850			808			348			5980	2872	9	1335 110			9220	87270	1470	761	2231				
6120			811			287			5490	2851	10	1334 120			8640	90530	1360	733	2093				
5490			804			273			5100	2840	11	1331 150			8300	90740	1320	694	2014				
5710			865			271			4570	2830	12	1330 160			8420	91110	1230	649	1879				
4870			987			269			4200	2810	13	1327 190			8420	90760	1170	684	1854				
4750			1108			249			3830	2782	14	1323 720			8380	91570	1040	615	1655				
4750			1211			249			3560	2775	15	1318 770			8300	92970	967	533	1500				
4800			1511			219			3300	2782	16	1316 790			8140	94250	1060	560	1620				
5710			1614			262			3470	2800	17	1315 310			7560	93290	999	605	1604				
1150			1865			376			4060	2840	18	1311 840			7560	93790	866	618	1484				
1500			1998			492			4970	2904	19	1312 830			7560	93440	932	618	1550				
740			2209			580			6340	2946	20	1316 300			7560	93070	965	615	1580				
1370			2330			624			7220	2967	21	1318 280			7560	92240	963	576	1539				
100			2464			624			7300	2967	22	1318 770			8110	91690	1020	550	1570				
100			2560			552			7510	3011	23	1324 710			8260	90060	1050	594	1644				
100			2693			472			8280	3044	24	1322 630			8300	91920	1100	618	1718				
100			2844			414			9080	3011	25	1328 570			8340	92510	1280	646	1926				
100			3138			253			8030	2989	26	1328 080			8900	92270	1460	803	2263				
100			3359			310			6940	2967	27	1336 100			9340	90530	1550	962	2512				
100			3520			323			6940	2967	28	1339 560			9760	89600	1540	1130	2670				
100			3543			224			7670	2956	29	1342 040			9840	90290	1550	1130	2680				
100			3557			149			7250	2956	29	1342 040			10100	90290	1600	1140	2790				
100			3669			73			7250	2924	30	1339 070			10100	90290	1600	1210	2810				
100			3760			73			5610	2904	31	1336 100			10300	90990	1600	1210	2810				
100			3888			54			4500	2893	JUN 1	1328 670			10800	91690	1600	1230	2830				
100			3888			82			4950	2882	2	1322 240			11300	93900	1600	1230	2830				
100			3933			78			6740	2842	3	1319 270			10900	95430	1600	1220	2820				
100			3886			54			8280	2842	3	1319 270			10400	95550	1590	1220	2810				
100			3640			35			10300	2840	4	1320 260			10400	94950	1600	1220	2820				
100			3641			20			10700	2820	5	1325 210			10400	94840	1590	1220	2810				
100			3878			2			9680	2786	6	1327 190			10500	94370	1590	1190	2780				
100			3892			50			9290	2763	7	1329 170			10600	94250	1590	1160	2750				
100			3868			95			8790	2752	8	1331 150			10600	94950	1600	1180	2780				
100			3870			95			8250	2739	9	1332 630			10600	95310	1600	1190	2790				
100			3875			91			8110	2720	10	1332 630			10600	95430	1600	1190	2790				
100			3921			33			7650	2710	11	1333 130			10600	95670	1590	1190	2780				
100			4016			0			8650	2701	12	1332 630			10300	96030	1590	1210	2800				
100			4136			0			9740	2695	13	1332 630			10100	95470	1590	1210	2800				
100			4186			0			10700	2687	14	1337 580			10400	95180	1590	1200	2790				
100			4291			0			12500	2654	15	1343 030			10800	95070	1590	1220	2810				
100			3875			4			13800	2641	16	1350 450			11200	95070	1590	1220	2810				
										2633	17	1357 940											

MINIDOKA CANALS

HOWELLS

MINIDOKA CANALS				HOWELLS				DATE	LAKE MILNER GAGE	GOODING		P.A. LATERAL	MAIN N. SIDE CANAL	TOTAL N.S. CANAL CO			TWIN FALLS CAN. CO			MILNER LOW LIFT			PLATE NO 11		
NORTH	SOUTH	TOTAL	STOR.	NORTH	STOR.	NORTH	TOTAL			GOODING STORED	NORTH SIDE			STOR.	NORTH	TOTAL	STOR.	NORTH	TOTAL	STOR.	NORTH	TOTAL	STOR.	NORTH	TOTAL
1110	817	1927	0	1927				APR 27	9.95	0	20.4	25	1530	0	1759	1759	0	2600	2600	0	2600	2600	0	2600	2600
1180	941	2121	0	2121			4270	27	10.82	36	20.4	32	1570	0	1820	1820	0	2790	2790	0	2790	2790	0	2790	2790
1390	989	2379	0	2379	123	5007	5280	28	10.18	165	22.5	32	1750	0	2007	2007	110	3000	3110	28	0	79	0	119	0
1570	1040	2610	0	2610	943	5137	6080	29	10.35	350	24.5	32	1840	0	2137	2137	210	3000	3210	80	0	20	0	109	0
1620	1030	2650	0	2650	1008	5292	6300	30	10.22	530	34.0	32	1920	0	2197	2197	210	3000	3210	111	0	111	0	89	0
1500	1010	2510	0	2510	828	5742	6570	MAY 1	10.67	515	41.0	32	2000	0	2442	2442	0	3300	3300	111	0	111	0	57	0
1520	1010	2530	0	2530			6110	2	10.45	505	41.2	32	1900	0	2442	2442	0	3300	3300	111	0	111	0	46	0
1570	929	2499	0	2499			5950	3	10.16	497	41.2	32	1860	0	2344	2344	0	3200	3200	124	0	124	0	54	0
1590	845	2435	0	2435			5920	4	10.50	540	41.2	38	1940	0	2305	2305	0	3100	3100	0	132	132	0	41	0
1620	812	2497	0	2497			5920	5	10.47	583	41.2	42	2030	0	2390	2390	0	3240	3240	0	126	126	0	39	0
1620	781	2401	0	2401			6520	6	10.23	560	48.0	43	2050	0	2484	2484	0	3240	3240	0	124	124	0	39	0
1540	784	2324	0	2324			7110	7	10.74	690	48.0	43	2180	0	2523	2523	0	3160	3160	0	124	124	0	36	0
1520	817	2337	0	2337			6740	8	10.76	670	50.0	47	2190	0	2703	2703	0	3370	3370	0	119	119	0	41	0
1470	761	2231	0	2231			6820	9	10.82	660	49.0	47	2190	0	2737	2737	0	3400	3400	0	126	126	0	39	0
1360	733	2093	0	2093			5760	10	10.54	640	49.0	51	2150	0	2727	2727	0	3330	3330	0	126	126	0	39	0
1320	694	2014	0	2014			6240	11	10.55	680	46.0	60	2180	0	2691	2691	0	3210	3210	0	122	122	0	39	0
1230	649	1879	0	1879	599	6061	6660	12	10.82	670	49.0	60	2230	0	2700	2700	0	3250	3250	0	110	110	0	25	0
1170	684	1854	0	1854	740	5800	6540	13	10.89	660	50.0	60	2240	0	2780	2780	29	3281	3320	120	0	120	0	22	0
1040	615	1655	0	1655	350	5810	6160	14	10.85	640	52.0	60	2230	0	2800	2800	300	3000	3300	120	0	120	0	21	0
967	533	1500	0	1500	610	5630	6240	15	10.80	660	50.0	60	2210	140	2630	2770	190	3000	3190	109	0	109	0	19	0
7060	560	1620	0	1620	939	5441	6380	16	10.75	660	49.0	60	2210	319	2441	2720	170	3000	3170	107	0	107	0	17	0
999	605	1604	0	1604	830	5410	6240	17	10.74	680	47.0	60	2200	320	2410	2730	140	3000	3140	100	0	100	0	13	0
866	618	1484	0	1484	648	5512	6160	18	10.66	660	49.0	60	2210	248	2512	2760	60	3000	3060	98	0	98	0	13	0
932	618	1550	0	1550	540	5780	6320	19	10.78	720	48.0	60	2240	0	2780	2780	100	3000	3100	85	0	85	0	13	0
965	615	1580	0	1580			6350	20	10.82	740	47.0	60	2260	0	2790	2790	0	3080	3080	0	80	80	0	14	0
963	576	1539	0	1539			6300	21	10.73	775	43.5	60	2230	0	2725	2725	0	3060	3060	0	79	79	0	14	0
1020	550	1570	0	1570			6300	22	10.38	720	48.0	60	2150	0	2690	2690	0	2980	2980	0	81	81	0	12	0
1050	594	1644	0	1644			6770	23	10.70	730	48.0	60	2330	0	2870	2870	0	3060	3060	0	80	80	0	14	0
1100	618	1718	0	1718			6710	24	10.88	790	50.0	60	2430	0	2970	2970	0	3230	3230	0	80	80	0	14	0
1280	646	1926	0	1926			6630	25	10.80	800	50.0	60	2370	0	2930	2930	0	3160	3160	0	94	94	0	12	0
1460	803	2263	0	2263			6770	26	10.61	810	50.0	60	2360	0	2920	2920	0	3140	3140	0	100	100	0	13	0
1550	962	2512	0	2512			7050	27	10.60	830	50.0	60	2370	0	2930	2930	0	3150	3150	0	111	111	0	12	0
1540	1130	2670	0	2670			7690	28	11.08	1040	50.0	60	2500	0	3060	3060	0	3400	3400	0	126	126	0	8	0
1550	1130	2680	0	2680			7370	29	11.06	1080	52.0	60	2490	0	3070	3070	0	3400	3400	0	125	125	0	7	0
1600	1140	2740	14	2726			7140	30	10.84	870	52.0	60	2490	0	3070	3070	0	3310	3310	0	124	124	0	7	0
1600	1210	2810	84	2726	990	6000	6990	31	10.74	820	52.0	60	2500	80	3080	3080	270	3400	3270	124	0	124	0	7	0
1600	1230	2830	104	2726	1280	6000	7280	JUN 1	10.84	830	52.0	60	2530	110	3000	3110	310	3000	3310	138	0	138	0	7	0
1600	1230	2830	104	2726	1490	6000	7470	2	10.89	840	52.0	60	2660	240	3000	3240	290	3000	3290	152	0	152	0	7	0
1600	1230	2830	104	2726	1660	6000	7660	3	10.92	850	52.0	60	2740	320	3000	3320	400	3000	3400	153	0	153	0	7	0
1600	1220	2820	94	2726			7660	4	10.92	880	52.0	60	2780	0	3360	3360	0	3370	3370	21	131	132	0	7	0
1590	1220	2810	84	2726	784	6876	7660	5	10.95	880	52.0	60	2790	0	3370	3370	0	3340	3340	17	135	132	0	7	0
1600	1220	2820	94	2726			7630	6	10.88	860	54.0	60	2780	0	3380	3380	0	3350	3350	26	135	131	0	7	0
1590	1220	2810	84	2726			7660	7	10.86	850	55.0	60	2760	0	3370	3370	0	3350	3350	18	135	133	0	7	0
1590	1190	2780	54	2726			7720	8	10.98	945	55.5	60	2790	0	3405	3405	0	3350	3350	31	135	146	0	7	0
1590	1160	2750	24	2726			7720	9	10.99	945	55.5	60	2800	0	3415	3415	0	3370	3370	37	135	172	0	7	0
1600	1180	2780	54	2726			7720	10	11.02	945	55.5	60	2810	0	3425	3425	0	3370	3370	33	135	168	0	7	0
1600	1190	2790	64	2726			7690	11	11.04	935	55.5	60	2820	0	3435	3435	0	3350	3350	35	135	170	0	7	0
1590	1190	2780	54	2726			7630	12	11.06	925	55.5	60	2830	0	3445	3445	0	3340	3340	37	135	172	0	7	0
1590	1210	2800	74	2726			7570	13	11.03	925	55.5	60	2810	0	3455	3455	0	3350	3350	31	135	166	0	7	0
1590	1210	2800	74	2726			7570	14	10.99	925	55.5	60	2840	0	3455	3455	0	3430	3430	30	135	165	0	7	0
1590	1200	2790	64	2726			7490	15	10.91	925	55.5	60	2850	0	3465	3465	0	3440	3440	31	135	166	0	7	0
1590	1220	2810	84	2726			7980	16	10.87	925	55.5	60	2900	0	3515	3515	0	3440	3440	31	135	166	0	7	0
1590	1220	2810	84	2726			8040	17	10.90	925	55.5	60	2910	0	3525	3525	0	3440	3440	33	135	168	0	7	0

ALS			HOWELLS			DATE	LAKE MILNER GAGE	GOODING		R.A. LATERAL	MAIN N. SIDE CANAL	TOTAL N.S. CANAL CO.			TWIN FALLS CAN. CO.			MILNER LOW LIFT			PLATE NO. 11		
STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL			GOODING STORED	NORTH SIDE			STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL
0	1927	4270			4270	APR 26	9.95	0	204	25	1530	0	1759	1759	0	2600	2600	0	74	74	0	114	114
0	2127	4630			4630	27	10.02	36	204	32	1590	0	1826	1826	0	2790	2790	0	74	74	0	114	114
0	2377	5007	223	5007	5280	28	10.18	165	225	32	1750	0	2007	2007	110	3000	3110	28	0	78	9	109	109
0	2670	5437	743	5137	6080	29	10.35	350	265	33	1840	0	2137	2137	210	3000	3210	80	0	80	89	0	89
0	2650	5292	1008	5292	6300	30	10.22	530	340	32	1920	0	2292	2292	120	3000	3120	111	0	111	57	0	57
0	2510	5742	828	5742	6570	MAY 1	10.67	530	410	32	2000	0	2442	2442	0	3300	3300	111	0	111	46	0	46
0	2530	6110			6110	2	10.45	505	412	32	1900	0	2344	2344	0	3200	3200	124	0	124	54	0	54
0	2499	5950			5950	3	10.16	497	412	33	1860	0	2305	2305	0	3100	3100	0	132	132	0	41	41
0	2435	5920			5920	4	10.50	540	412	38	1940	0	2390	2390	0	3290	3290	0	130	130	0	35	35
0	2497	5920			5920	5	10.47	583	412	42	2030	0	2484	2484	0	3240	3240	0	124	124	0	39	39
0	2401	6520			6520	6	10.23	560	480	43	2050	0	2523	2523	0	3160	3160	0	124	124	0	36	36
0	2324	7110			7110	7	10.74	490	480	43	2180	0	2703	2703	0	3370	3370	0	119	119	0	41	41
0	2377	6740			6740	8	10.76	670	500	47	2190	0	2737	2737	0	3400	3400	0	126	126	0	99	99
0	2281	6820			6820	9	10.82	660	490	47	2190	0	2727	2727	0	3330	3330	0	123	123	0	160	160
0	2093	5760			5760	10	10.54	640	490	51	2150	0	2691	2691	0	3210	3210	0	122	122	0	25	25
0	2014	6240			6240	11	10.55	680	460	60	2180	0	2700	2700	0	3250	3250	0	110	110	0	22	22
1879	599	6061			6660	12	10.82	670	490	60	2230	0	2780	2780	39	3281	3320	120	0	120	22	0	22
1854	740	5800			6540	13	10.89	660	500	60	2240	0	2800	2800	300	3000	3300	120	0	120	21	0	21
1655	350	5810			6160	14	10.85	640	520	60	2230	0	2810	2810	230	3000	3230	109	0	109	19	0	19
1500	610	5630			6240	15	10.80	660	500	60	2210	140	2630	2770	190	3000	3190	110	0	110	17	0	17
1620	739	5441			6380	16	10.75	660	490	60	2210	319	2441	2760	170	3000	3170	107	0	107	15	0	15
1404	830	5410			6240	17	10.74	680	470	60	2200	320	2410	2730	140	3000	3140	100	0	100	13	0	13
1484	648	5512			6160	18	10.66	660	490	60	2210	248	2512	2760	60	3000	3060	98	0	98	13	0	13
1550	540	5780			6320	19	10.78	720	480	60	2240	0	2780	2780	100	3000	3100	85	0	85	13	0	13
1580		6350			6350	20	10.82	740	470	60	2260	0	2790	2790	0	3080	3080	0	80	80	0	14	14
1539		6300			6300	21	10.73	775	435	60	2230	0	2725	2725	0	3060	3060	0	79	79	0	14	14
1570		6300			6300	22	10.38	720	480	60	2150	0	2690	2690	0	2980	2980	0	81	81	0	14	14
144		6770			6770	23	10.70	730	480	60	2330	0	2870	2870	0	3060	3060	0	80	80	0	14	14
1718		6710			6710	24	10.88	790	500	60	2430	0	2990	2990	0	3230	3230	0	80	80	0	14	14
926		6630			6630	25	10.80	800	500	60	2370	0	2930	2930	0	3160	3160	0	94	94	0	14	14
1263		6770			6770	26	10.61	810	500	60	2360	0	2920	2920	0	3140	3140	0	100	100	0	13	13
512		7050			7050	27	10.60	830	500	60	2370	0	2930	2930	0	3150	3150	0	111	111	0	13	13
670		7690			7690	28	11.08	1040	500	60	2500	0	3060	3060	0	3400	3400	0	126	126	0	21	21
680		7370			7370	29	11.06	1000	520	60	2490	0	3070	3070	0	3400	3400	0	125	125	0	19	19
724		7140			7140	30	10.84	870	520	60	2490	0	3070	3070	0	3310	3310	0	124	124	0	16	16
26	990	6000			6990	31	10.74	820	520	60	2500	80	3000	3080	270	3000	3270	124	0	124	13	0	13
26	1280	6000			7280	JUN. 1	10.84	830	520	60	2530	110	3000	3110	310	3000	3310	138	0	138	14	0	14
26	1490	6000			7430	2	10.89	844	520	60	2660	240	3000	3240	390	3000	3390	152	0	152	15	0	15
26	1660	6000			7660	3	10.92	850	520	60	2740	320	3000	3320	400	3000	3400	153	0	153	17	0	17
26	784	6876			7660	4	10.92	880	520	60	2780	0	3360	3360	0	3370	3370	21	131	152	15	0	15
26		7510			7510	5	10.95	880	520	60	2790	0	3370	3370	0	3340	3340	17	135	152	0	14	14
26		7630			7630	6	10.88	860	540	60	2780	0	3380	3380	0	3370	3370	16	135	151	0	14	14
26		7660			7660	7	10.86	850	550	60	2760	0	3370	3370	0	3350	3350	18	135	153	0	15	15
26		7770			7770	8	10.98	945	555	60	2790	0	3405	3405	0	3350	3350	31	135	166	0	15	15
26		7720			7720	9	10.99	945	555	60	2800	0	3415	3415	0	3320	3320	37	135	172	0	15	15
26		7720			7720	10	11.02	945	555	60	2810	0	3425	3425	0	3330	3330	33	135	168	0	15	15
26		7690			7690	11	11.04	935	555	60	2820	0	3435	3435	0	3350	3350	35	135	170	0	16	16
26		7630			7630	12	11.06	935	555	60	2830	0	3445	3445	0	3350	3350	37	135	172	0	16	16
26		7570			7570	13	11.03	925	555	60	2810	0	3425	3425	0	3340	3340	36	135	171	0	16	16
26		7570			7570	14	10.99	925	555	60	2840	0	3455	3455	0	3350	3350	31	135	166	0	16	16
26		7690			7690	15	10.91	925	555	60	2850	0	3465	3465	0	3470	3470	30	135	165	0	15	15
26		7980			7980	16	10.88	925	555	60	2860	0	3475	3475	0	3440	3440	31	135	166	0	15	15
26		8040			8040	17	10.87	925	555	60	2900	0	3515	3515	0	3440	3440	31	135	166	0	16	16
26						18	10.90	925	555	60	2910	0	3525	3525	0	3440	3440	33	135	168	0	16	16

DATE 1933	JACKSON LAKE COND. AC. FT.	MORAN			TWIN LAKES		MORAN HEISE LOSS STORED	SWAN VALLEY STORAGE	DATE 1933	HEISE + RILEY			DIV. HEISE - SHELLEY			HEISE TO SHELLEY LOSS STORED	REXBURG	DATE 1933	SHELLEY			DIV. SHELLEY	
		STOR.	NORM.	TOTAL	DISCHARGE	STOR.				STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL				STOR.	NORM.	TOTAL	STOR.	NORM.
JUN 3	826 100			5440					JUN 10			25631	495	9484	9929		4980	JUN 17			19400		
4	833 740			5440					17			24735	467	9573	10040		4750	18			18130		
17	840 350			5440					18			24636	442	9760	10202		4640	19			18710		
18	845 700			5420					19			23736	440	9758	10178		4560	20			17600		
19	847 480			5410					20			22236	276	9731	10007		4200	21			16000		
20	848 510			5370					21			20738	267	9816	10083		3610	22			14000		
21	850 050			5970					22			19237	235	9806	10041		2980	23			12300		
22	849 020			6440					23			19637	199	9792	9991		2440	24	0		12300		
23	847 740			6350					24			18736	122	9696	9818		2000	25	- 122		11500		
24	845 950			5370					25			17335	123	9547	9669		1750	26	- 122		10200		
25	845 190			3770					26			14935	82	9510	9592		1650	27	- 82		8700		
26	845 950			2680					27			13134	1	8918	8919		1380	28	- 1		6310		
27	847 230			2520					28			12424	235	8187	8422		1250	29	- 235		6720		
28	847 280			3270					29			13024	212	7966	8178		1340	30	- 212		8080		
29	849 280			3840					30			13224	202	7867	8069		1260	JUL 1	- 202		8670		
30	848 760			3820					JUL 1			12622	82	6782	7064		1310	2	- 82		8480		
JUL 1	847 480			3280					2			11822	60	6789	6849		1310	3	- 60		7540		
2	847 000			2870					3			10822	46	6571	6617		1080	4	- 46		6650		
3	847 000	0	2610	2610		0	0		4	0	10322	10322	38	6404	6442	0	852	5	- 38		5000		
4	845 440	1010	2550	3560		1010	25		5	985	9537	10522	179	7411	7590	48	745	6	758	3762	4520		
5	842 140	1640	2450	4090		1640	41		6	1599	9423	11022	310	7203	8013	78	680	7	1211	3287	4500		
6	838 060	1760	2320	4080		1760	44		7	1716	9206	10922	398	7633	8031	84	630	8	1234	2996	4230		
7	834 250	1977	2233	4210		1977	49		8	1928	9087	11015	587	7542	8129	94	600	9	1247	3113	4360		
8	829 670	2310	1960	4270		2310	58		9	2252	8748	11000	1023	7065	8088	110	615	10	1119	3301	4420		
9	825 600	1825	2195	4020		1825	46		10	1779	8927	10706	1250	6854	8104	87	610	11	442	3658	4100	0	
10	821 520	2010	2260	4270		2010	50		11	1960	8566	10526	1402	6581	7983	96	580	12	462	3338	3800	0	
11	816 720	2440	2200	4640		2440	61		12	2379	8358	10737	1557	6691	8248	116	557	13	706	2894	3600	375	
12	810 660	2750	2050	4800		2750	69		13	2681	7956	10637	1745	6556	8301	131	530	14	805	2543	3350	1125	
13	804 350	3250	1980	5230		3250	81		14	3169	7367	10536	1803	6566	8369	155	516	15	1211	2139	3350	1250	
14	796 520	4640	1930	6570		4640	116		15	4524	7110	11634	2124	6985	8509	221	490	16	2179	1191	3370	1660	
15	786 730	4940	1910	6850		4940	123		16	4817	6916	11733	2228	6347	8575	235	476	17	2354	1826	4180	1670	
16	776 200	5120	1820	6940		5120	128		17	4992	6837	11829	2271	6321	8592	243	462	18	2478	1722	4200	1682	
17	765 710	5300	1700	7000		5300	132		18	5168	6661	11829	2342	6205	8547	253	440	19	2573	1437	4050	1668	
18	755 500	5170	1790	6960		5170	129		19	5041	6587	11628	2512	5978	8490	246	426	20	2283	1557	3840	1677	
19	745 050	5280	1620	6900	0	5280	132	0	20	5148	6280	11428	2471	6135	8566	251	418	21	2466	1164	3630	1654	
20	734 420	5380	1520	6900	50	5430	136	10	21	5284	5939	11223	2400	6076	8476	258	418	22	2626	884	3510	1660	
21	723 270	5810	1470	7280	94	5904	148	10	22	5746	5677	11423	2789	5482	8271	280	418	23	2677	1193	3870	1662	
22	710 760	6100	1430	7530	90	6190	155																

DAILY SUMMARY OF DATA AT AND BETWEEN SNAKE RIVER GAGING STATIONS 193

STATION	DIV. SHELLEY - BL. BR.			SHELLEY TO BL. BR. LOSS STORED	THEORETICAL BALANCE STORED BLACKFOOT BR.	BLACKFOOT RIVER	CLOUGHS			CALCULATED INFLOW CLOUGH TO NEELEY	DATE 1933	AM. FALLS RESERVOIR Cont. Ac. Ft.	NEELEY			LAKE WALCOTT Cont. Ac. Ft.	MINIDOKA CANALS				
	TOTAL	STOR.	NORM.				STOR.	NORM.	TOTAL				STOR.	NORM.	TOTAL		NORTH	SOUTH	TOTAL	STOR.	NORM.
19000									14800	2622	JUN 18	1366510									
18120									14600	2623	19	1378110			11300	96150	1390	1220	2810	84	2726
18200									14300	2625	20	1387690			10900	96630	1590	1220	2810	84	2726
17600									13700	2616	21	1346260			10600	96270	1580	1210	2790	64	2726
16000									12400	2605	22	1401810			10400	95920	1580	1210	2790	64	2726
14000									10800	2605	23	1404330			10500	94370	1590	1190	2780	54	2726
12300									9380	2604	24	1405340			10900	94020	1590	1180	2770	44	2726
11500									8790	2604	25	1404330			11300	94990	1590	1180	2770	44	2726
10200									7970	2604	26	1399790	6	11394	11400	94950	1590	1180	2770	44	2726
8700									7070	2609	27	1395760	611	10689	11300	95180	1590	1170	2760	34	2726
6310									5680	2611	28	1389710	1106	9794	10900	96150	1590	1150	2740	14	2726
6720									3920	2610	29	1382650	2032	8268	10400	94950	1580	1130	2710	342	2368
8080									3140	2616	30	1371550	3549	6531	10100	94370	1540	1130	2670	944	1726
8620									4089	2611	JUL 1	1371550	3683	5977	9600	93090	1490	1120	2610	764	1844
8480									5750	2623	2	1371550			7600	94140	1490	1120	2610	0	2610
7590									6297	2619	3	1371550			7950	93550	1520	1140	2670	0	2670
6650									5806	2615	4	1367520			8620	93790	1580	1140	2720	0	2720
5000									5033	2618	5	1359450	2679	8421	11100	94250	1580	1140	2740	319	2421
4520									3676	2621	6	1347980	3349	7651	11000	95790	1590	1190	2780	1054	1726
4500									170	2615	7	1335600	4303	6297	10600	95180	1580	1200	2780	1054	1726
4230									160	2612	18	1320750	8215	2785	11800	94950	1590	1200	2790	2790	0
4360									172	2630	19	1305410	8428	2772	11200	94840	1580	1200	2780	2780	0
4420									200	2632	10	1287390	8410	2790	11200	95310	1580	1200	2780	2780	0
4100	0								184	2627	11	1274730	8796	2804	11200	94490	1580	1200	2780	2780	0
3800	0								155	2626	12	1259630	8273	2827	11100	95180	1590	1220	2810	2810	0
3600	175	2943							155	2624	13	1244240	8290	2810	11100	95430	1590	1240	2830	2830	0
3350	1125	2135							154	2614	14	1226770	8321	2729	11100	95670	1580	1240	2820	2820	0
3350	1250	1834							169	2607	15	1211630	8371	2769	11100	94950	1580	1240	2820	2820	0
3370	1660	1811							198	2605	16	1194620	8438	2762	11200	94840	1580	1220	2800	2800	0
4180	1670	1915							414	2614	17	1176260	8541	2759	11300	95430	1580	1220	2800	2800	0
4200	1682	1857							430	2613	18	1160280	8632	2768	11400	94720	1580	1210	2790	2790	0
4050	1668	1749							414	2612	19	1139070	8727	2773	11500	95180	1580	1210	2790	2790	0
3840	1677	1616							363	2607	20	1123860	8732	2768	11500	94720	1580	1220	2800	2800	0
3630	1654	1321							430	2609	21	1107890	8732	2768	11500	95310	1580	1240	2820	2820	0
3510	1660	1180							452	2613	22	1088960	8438	2762	11200	95670	1580	1240	2820	2820	0
3870	1662	1187							779	2613	23	1075480	8236	2764	11000	94490	1570	1230	2800	2800	0
4230	1690	1109							1100	2614	24	1059460	8136	2764	10900	94020	1570	1180	2750	2750	0
4180	1679	1114							936	2609	25	1043620	8341	2759	11100	93550	1580	1170	2750	2750	0
3820	1659	1104							619	2616	26	1028210	8834	2766	11600	93790	1580	1200	2780	2780	0
3200	1661	1099							493	2618	27	1011860	8732	2768	11500	94720	1580	1230	2810	2810	0
3150	1669	1021							377	2616	28	994260	8633	2767	11400	94020	1570	1230	2800	2800	0
3260	1659	1134							212	2614	29	976850	8033	2767	11600	93550	1580	1210	2790	2790	0
3510	1646	1127							277	2613	30	960580	8034	2764	11600	94140	1580	1200	2780	2780	0
3780	1452	1122							520	2610	31	943890	8034	2761	11600	94720	1580	1210	2790	2790	0
3700	1468	1126							681	2612	2	909450	8037	2763	11600	95070	1580	1220	2800	2800	0
3600	1031	1112							1070	2645	3	893520	8723	2775	11400	95310	1580	1220	2800	2800	0
3650	985	1150							1100	2645	4	877440	8605	2775	11400	95180	1580	1200	2780	2780	0
3650	1306	1199							816	2643	5	861000	8807	2793	11600	94490	1570	1180	2750	2750	0
3580	1342	1193							887	2644	6	848040	8804	2794	11600	95670	1540	1160	2700	2700	0
3490	1374	1082							887	2641	7	833560	8409	2791	11200	96150	1500	1150	2650	2650	0
3440	1351	1025							916	2638	8	819210	8106	2794	10900	95790	1500	1150	2650	2650	0
										2640	9	804760	8005	2795	10800	94600	1490	1140	2620	2620	0
										2640	10	791050	8105	2795	10900	94020	1480	1140	2620	2620	0

ST. FT.	MINIDOKA CANALS					HOWELLS			DATE	LAKE MILNER GAGE	GOODING		P.A. LATERAL	MAIN N. SIDE CANAL	TOTAL N.S. CANAL CO.			TWIN FALLS CAN. CO.			MILNE
	NORTH	SOUTH	TOTAL	STOR.	NORM.	STOR.	NORM.	TOTAL			GOODING STORED	NORTH SIDE			STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	
150	1590	1220	2810	84	2726				1933												
130	1590	1220	2810	84	2726			8100	JUN 1	10.98	990	550	60	2950	0	3560	3560	0	3440	1440	12
170	1580	1210	2790	64	2726			8100	20	11.04	1030	550	60	2960	0	3570	3570	0	3420	1420	12
130	1580	1210	2790	64	2726			8130	21	10.98	1070	550	60	2930	0	3540	3540	0	3390	1390	12
170	1590	1190	2780	54	2726			7800	22	10.82	1070	550	60	2920	0	3530	3530	0	3370	1370	12
220	1590	1180	2770	44	2726			8040	23	10.84	1070	550	60	2950	0	3560	3560	0	3400	1400	12
490	1590	1180	2770	44	2726			8160	24	10.83	1080	560	60	2940	0	3560	3560	0	3410	1410	12
950	1590	1180	2770	44	2726			8250	25	10.87	1090	570	60	2960	0	3590	3590	0	3430	1430	12
180	1590	1170	2760	34	2726			8280	26	10.89	1150	580	61	2960	0	3601	3601	0	3430	1430	12
150	1590	1150	2740	14	2726			8280	27	10.96	1160	590	61	2960	0	3611	3611	0	3470	1470	12
950	1580	1130	2710	342	2348	2130	6000	8160	28	10.88	1160	590	61	2890	0	3541	3541	0	3390	1390	48
170	1540	1130	2670	944	1726	3235	4805	8040	29	10.87	1160	590	61	2920	571	3000	3571	380	3000	3380	173
090	1490	1120	2610	766	1844	3167	4153	7320	30	10.75	1160	590	61	2880	1726	1809	3531	340	3000	3340	166
140	1490	1120	2610	0	2610			4380	JUL 1	10.78	1170	500	61	592	0	1153	1153	330	3000	3330	168
550	1530	1140	2670	0	2670			4540	2	10.84	1170	320	61	0	0	381	381	0	3370	3370	17
790	1580	1140	2720	0	2720			4560	3	10.98	1170	400	61	0	0	461	461	0	3420	3420	34
250	1580	1160	2740	319	2421	1370	6000	7370	4	11.02	1160	410	61	1640	0	2111	2111	0	3430	3430	36
790	1590	1190	2780	1054	1726	1765	5925	7670	5	10.89	1140	770	61	2740	571	3000	3571	380	3000	3380	172
180	1580	1200	2780	1054	1726	3409	4571	7980	6	10.78	1140	760	61	2740	636	2925	3561	370	3000	3370	172
950	1590	1200	2790	2790	0	5375	2785	8160	7	10.86	1130	760	61	2780	2030	1571	3601	420	3000	3420	172
840	1580	1200	2780	2780	0	5598	2772	8370	8	10.92	1140	760	61	2790	3283	328	3611	1043	2457	3500	170
310	1580	1200	2780	2780	0	5610	2790	8400	9	10.96	1130	770	61	2800	3305	326	3621	1094	2446	2540	171
490	1580	1200	2780	2780	0	5566	2804	8370	10	10.92	1130	770	61	2800	3303	328	3631	1088	2462	3550	171
180	1590	1220	2810	2810	0	5213	2827	8040	11	10.92	1130	770	61	2800	3301	330	3631	1066	2474	3540	172
430	1590	1240	2830	2830	0	5230	2810	8040	12	10.84	1130	770	61	2780	3279	332	3611	1025	2495	3520	171
670	1580	1240	2820	2820	0	5441	2779	8220	13	10.78	1130	760	61	2760	3250	331	3581	1041	2479	3520	171
950	1580	1240	2820	2820	0	5751	2769	8520	14	10.76	1130	760	61	2790	3284	327	3611	1118	2452	3570	172
840	1580	1220	2800	2800	0	5728	2762	8490	15	10.84	1130	770	61	2830	3335	326	3661	1167	2443	3610	172
430	1580	1220	2800	2800	0	5581	2759	8340	16	10.83	1140	770	61	2800	3306	325	3621	1113	2437	3550	143
220	1580	1210	2790	2790	0	5722	2768	8490	17	10.76	1140	770	61	2780	3286	325	3611	1096	2434	3530	138
180	1580	1210	2790	2790	0	5687	2773	8460	18	10.86	1140	780	61	2810	3325	326	3651	1160	2442	3610	158
720	1580	1220	2800	2800	0	5692	2768	8460	19	10.73	1140	780	61	2780	3295	326	3621	1123	2447	3570	171
310	1580	1240	2820	2820	0	5638	2762	8400	20	10.77	1140	790	61	2800	3325	326	3651	1138	2442	3580	170
670	1580	1240	2820	2820	0	5848	2762	8610	21	10.82	1140	790	61	2830	3356	325	3681	1173	2437	3610	171
490	1570	1230	2800	2800	0	5876	2764	8640	22	10.78	1150	820	61	2800	3356	325	3681	1153	2437	3590	171
820	1570	1180	2750	2750	0	5756	2764	8520	23	10.89	1170	830	61	2840	3406	325	3731	1191	2439	3630	171
550	1580	1170	2750	2750	0	5641	2759	8400	24	10.90	1170	830	61	2830	3396	325	3721	1161	2439	3600	172
790	1580	1200	2780	2780	0	5644	2766	8430	25	10.84	1170	820	61	2810	3366	325	3691	1166	2434	3600	165
250	1580	1210	2790	2790	0	5728	2762	8490	26	10.76	1170	830	61	2810	3375	326	3701	1160	2440	3600	170
720	1580	1230	2810	2810	0	5812	2768	8580	27	10.74	1160	830	61	2820	3386	325	3711	1163	2437	3600	170
820	1570	1230	2800	2800	0	5903	2767	8610	28	10.81	1170	840	61	2830	3405	326	3731	1178	2442	3620	170
550	1580	1210	2790	2790	0	5843	2767	8610	29	10.80	1170	840	61	2840	3415	326	3741	1179	2441	3620	170
140	1580	1200	2780	2780	0	5756	2764	8520	30	10.82	1110	850	61	2840	3425	326	3751	1189	2441	3630	170
720	1580	1210	2790	2790	0	5677	2763	8400	31	10.87	1080	860	61	2850	3440	325	3771	1191	2439	3630	170
970	1580	1220	2800	2800	0	5473	2777	8250	AUG 1	10.84	1090	860	61	2850	3444	325	3771	1194	2436	3630	170
430	1570	1230	2800	2800	0	5305	2795	8100	2	10.89	1090	860	61	2850	3444	325	3771	1192	2438	3628	169
310	1580	1220	2800	2800	0	5455	2795	8250	3	10.81	1070	860	61	2820	3415	326	3741	1149	2451	3600	170
180	1580	1200	2780	2780	0	5637	2793	8430	4	10.76	1050	860	61	2830	3422	329	3751	1134	2466	3600	170
490	1570	1180	2750	2750	0	5486	2794	8280	5	10.64	1040	860	61	2800	3392	329	3721	1104	2466	3570	170
670	1540	1160	2700	2700	0	5489	2791	8280	6	10.76	1040	870	61	2850	3452	329	3781	1156	2464	3620	170
150	1500	1150	2650	2650	0	5486	2794	8280	7	10.79	1040	860	61	2840	3432	329	3761	1175	2465	3640	170
790	1500	1150	2650	2650	0	5245	2795	8040	8	10.80	1020	870	61	2830	3433	328	3761	1197	2463	3660	170
600	1490	1140	2630	2630	0	5245	2795	8040	9	10.77	1020	870	61	2810	3412	329	3741	1185	2465	3650	170
020	1480	1140	2620	2620	0	5245	2795	8040	10	10.67	1020	870	61	2770	3372	329	3701	1134	2466	3600	170
									11	10.64	1010	870	61	2750	3352	329	3681	1164	2466	3630	170

HOWELLS										PLATE NO. 12																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
STOR.			NORM.			TOTAL			DATE			LAKE MILNER GAGE			GOODING			P. A. LATERN			MAIN N. SIDE CANAL			TOTAL N.S. CANAL CO.			TWIN FALLS CAN. CO.			MILNER LOW LIFT			SHAKE R. AT MILNER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
STOR.			NORM.			TOTAL			DATE			LAKE MILNER GAGE			GOODING			P. A. LATERN			MAIN N. SIDE CANAL			TOTAL N.S. CANAL CO.			TWIN FALLS CAN. CO.			MILNER LOW LIFT			SHAKE R. AT MILNER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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JACKSON LAKE		MORAN			TWIN LAKES		MORAN HEISE LOSS STORED		SWAN VALLEY STORAGE DIVERSION		HEISE + RILEY			DIV HEISE-SHELLEY			HEISE TO SHELLEY LOSS STORED		MEXBURG		SHELLEY		
DATE 1933	Cont. Ac. Ft.	STOR.	NORM.	TOTAL	DISCHARGE	MORAN STORED	HEISE LOSS	STORED	DATE 1933	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	HEISE TO SHELLEY LOSS	STORED	DATE 1933	STOR.	NORM.	TOTAL		
AUG 8	534 700	5070	760	5830	42	5112	128		AUG 9	4969	4544	9513	2619	4447	7066	243		AUG 10	2107	1283	3390		
9	525610	4850	860	5710	40	4890	122		10	4755	4499	9254	2530	4427	6957	232		11	1991	1229	3220		
10	516310	4530	1080	5610	38	4568	114		11	4439	4618	9057	2558	4410	6968	216		12	1665	1285	2950		
11	507480	4710	1000	5710	36	4744	119		12	4618	4345	8957	2620	4298	6918	225		13	1767	1103	2870		
12	498010	4850	980	5830	35	4885	122		13	4748	4309	9057	2503	4357	6860	232		14	2013	997	3010		
13	488780	4820	960	5850	34	4924	123		14	4786	4240	9026	2579	4327	6906	234		15	1973	937	2910		
14	479340	4770	940	5710	32	4802	120		15	4667	4359	9026	2466	4401	6867	228		16	1973	857	2830		
15	470690	4260	920	5180	30	4290	107		16	4167	4249	8416	1920	4430	6350	204		17	2093	657	2750		
16	462160	4260	890	5150	28	4288	107		17	4166	4061	8227	1952	4387	6339	204		18	2010	590	2600		
17	457730	4250	870	5120	26	4276	107		18	4154	4043	8197	1860	4401	6261	203		19	2091	609	2700		
18	445090	4410	860	5270	23	4433	111		19	4307	4106	8413	1975	4324	6299	211		20	2121	829	2950		
19	436910	4130	1120	5250	21	4151	104		20	4032	4665	8697	1796	4304	6100	197		21	2019	1441	3460		
20	428340	4160	860	5020	19	4179	105		21	4057	4227	8284	1659	4210	5869	190		22	2202	1250	3450		
21	420000	4300	760	5060	17	4317	108		22	4194	4051	8245	1643	4107	5750	205		23	2246	1284	3530		
22	411240	4470	700	5170	16	4486	112		23	4359	3957	8316	1980	3861	5841	213		24	2166	1511	3670		
23	402510	4150	550	4700	15	4165	104		24	4046	3994	8040	1904	3849	5753	197		25	1945	1495	3440		
24	394690	3680	500	4180	14	3694	92		25	3587	3843	7430	1843	3903	5746	175		26	1569	1061	2630		
25	388030	3360	550	3910	13	3329	84		26	3274	3716	7190	1917	3921	5832	160		27	1197	1283	2480		
26	382490	3090	700	3790	12	3102	78		27	3024	4106	7130	1409	3968	5377	148		28	1947	1213	3160		
27	376950	3130	660	3790	11	3141	78		28	3063	3986	7049	1370	4009	5379	150		29	1943	1087	3030		
28	370750	3160	600	3760	10	3170	79		29	3091	3868	6959	1299	4176	5475	151		30	1641	979	2600		
29	364390	3030	600	3630	9	3039	76		30	2963	3847	6810	1244	4063	5307	145							
30	359130	2680	680	3360	8	2688	67		31	2621	3738	6559	1256	4036	5292	128		SEP 1	498	1237	973		
31	354080	2540	680	3220	7	2547	64		2	2483	3845	6328	1197	4040	5237	121		2	498	1165	915		
SEP 1	349040	2600	680	3280	7	2607	65		3	2542	3703	6245	1653	4020	5673	124		3	467	765	995		
2	343610	2670	680	3350	6	2676	67		4	2609	3668	6277	1589	3930	5519	127		4	458	833	997		
3	338190	2740	800	3540	5	2745	69		5	2676	3621	6297	1794	3899	5695	131		5	436	749	797		
4	332110	3060	760	3820	4	3064	77		6	2987	3592	6579	1478	4043	5521	146		6	422	1363	227		
5	326050	3060	880	3940	3	3063	77		7	2986	3744	6730	1443	4214	5657	146		7	418	1397	363		
6	319610	3180	850	4030	2	3182	79		8	3103	3566	6669	1423	4214	5637	152		8	404	1528	282		
7	312530	3640	780	4420	0	3640	91		9	3549	3441	6990	1563	4124	5687	173		9	400	1813	67		
8	304390	4100	750	4850	0	4100	102		10	3998	3517	7515	1880	3726	5606	195		10	431	1929	497		
9	296750	4110	800	4910	0	4110	103		11	4007	3538	7545	1952	3585	5537	196		11	552	1859	1071		
10	287840	4440	650	5090	0	4440	111		12	4329	3397	7726	2244	3488	5732	211		12	620	1824	1320		
11	279210	4150	550	4700	0	4150	104		13	4046	3560	7606	2213	3497	5710	197		13	660	1636	1584		
12	271880	3570	530	4100	0	3570	89		14	3481	3644	7125	1780	3515	5295	170		14	725	1531	1437		
13	266020	2800	530	3330	0	2800	70		15	2730	3625	6355	1072	3804	4874	133		15	775	1525	1195		
14	261020	2540	530	3070	0	2540	64		16	2476	3600	6076	1025	3781	4806	121		16	819	1330	1291		
15	256680	2440	550	2990	0	2440	61		17	2379	3728	6107	916	3839	4755	116		17	929	1347	1116		
16	252960	1880	980	2860	0	1880	47		18	1833	4083	5916	778	3874	4652	89		18	1010	966	156		
17	249450	1860	730	2590	0	1860	46		19	1814	3801	5615	695	4058	4253	89		19	934	1830	136		
18	245930	1830	620	2450	0	1830	46		20	1784	3489	5273	589	4004	4593	87		20	803	1108	106		
19	242220	1990	460	2450	0	1990	50		21	1940	3304	5244	949	3930	4879	95		21	841	896	97		
20	238140	2050	400	2450	0	2050	51		22	1999	3224	5223	953	3942	4895	98		22	880	948	77		
21	234060	2120	370	2490	0	2120	53		23	2067	3106	5173	908	3900	4808	101		23	880	1058	81		
22	229570	2590	360	2950	0	2590	65		24	2525	2800	5325	942	4030	4972	123		24	852	1440	9		
23	224070	3190	320	3510	0	3190	80		25	3110	3046	6156	586	4052	4438	152		25	868	2372	5		
24	218820	2890	340	3230	0	2890	72		26	2818	3508	6326	632	3467	4099	138		26	958	2048	16		
25	213590	2590	360	2950	0	2590	65		27	2525	3525	6050	333	3843	4176	123		27	1210	2069	1		
26	209170	2170	400	2570	0	2170	54		28	2116	3552	5668	264	3681	3945	103		28	1190	1749	1		
27	205140	1330	330	1660	0	1330	33		29	1297	4028	5325	240	3508	3748	63		29	1180	994	3		
28	203340	411	320	731	0	411	10		30	401	3850	4251	170	3147	3317	20		30	1100	811	3		
29	203540	0	43	43	0	0				0	3740	3470	90	3399	3489	0			970				
30	204140	0	40	40	0	0																	
								8157									155,490					15,512	
								508															

DAILY SUMMARY OF DATA AT AND BETWEEN SNAKE RIVER GAGING STATIONS 1

[illegible]

GING STATIONS 1933

LAKE WALCOTT		MINIDOKA CANALS				HOWELLS			DATE	LAKE MILNER GAGE	GOODING		P.A. LATERAL	MAIN N. SIDE CANAL	TOTAL N.S. CANAL CO.			TWIN FALLS CANAL CO.		MILNER						
REL	Contents A.C.F.	NORTH	SOUTH	TOTAL	STOR.	NORTH	STOR.	NORTH			STOR.	GOODING STORED			NORTH SIDE	STOR.	NORTH	TOTAL	STOR.	NORTH	TOTAL	STOR.	NORTH	TOTAL	STOR.	NORTH
300	93550	1480	1150	2630	2630	0	5527	2793	8370	AUG 1	10.70	1000	880	61	2750	3762	329	3691	1316	1000	3680	172	1000			
300	93440	1480	1150	2630	2630	0	5504	2804	8310	13	10.76	1000	890	61	2760	3381	330	3711	1286	1000	3680	172	1000			
300	94020	1480	1150	2630	2630	0	5358	2802	8160	14	10.74	960	890	61	2780	3401	330	3731	1188	1000	3680	172	1000			
300	94490	1440	1160	2600	2600	0	5419	2801	8220	15	10.74	950	890	61	2780	3401	329	3731	1188	1000	3680	172	1000			
300	94020	1500	1160	2660	2660	0	5358	2802	8160	16	10.74	950	890	61	2780	3401	330	3731	1178	1000	3680	172	1000			
300	93670	1560	1170	2730	2730	0	5242	2795	8040	17	10.69	940	890	61	2760	3382	329	3711	1141	1000	3680	172	1000			
300	93200	1600	1200	2800	2800	0	5335	2795	8170	18	10.66	930	890	61	2760	3382	329	3711	1141	1000	3680	172	1000			
300	93090	1540	1200	2740	2740	0	5606	2794	8400	19	10.79	910	890	61	2790	3412	329	3741	1235	1000	3680	172	1000			
300	93320	1450	1180	2630	2630	0	5425	2795	8220	20	10.70	910	890	61	2730	3357	329	3681	1224	1000	3680	172	1000			
300	93790	1460	1180	2640	2640	0	5392	2798	8190	21	10.74	900	890	61	2740	3362	329	3691	1241	1000	3680	172	1000			
300	94490	1510	1180	2690	2690	0	5389	2801	8190	22	10.84	890	890	61	2740	3362	329	3691	1241	1000	3680	172	1000			
300	94950	1560	1180	2740	2740	0	5142	2808	7950	23	10.82	860	890	61	2740	3361	330	3691	1092	1000	3680	172	1000			
300	94720	1560	1170	2730	2730	0	5094	2794	7890	24	10.77	850	890	61	2700	3322	329	3651	1053	1000	3680	172	1000			
300	94720	1560	1160	2720	2720	0	5096	2794	7890	25	10.74	840	890	61	2670	3292	329	3621	1155	1000	3680	172	1000			
300	94720	1510	1150	2660	2660	0	5097	2793	7890	26	10.77	850	890	61	2670	3292	329	3621	1146	1000	3680	172	1000			
300	95180	1460	1150	2610	2610	0	4947	2793	7740	27	10.76	840	890	61	2630	3252	329	3581	1146	1000	3680	172	1000			
300	95310	1420	1140	2560	2560	0	4805	2795	7600	28	10.78	830	890	61	2620	3242	329	3571	1144	1000	3680	172	1000			
300	94950	1390	1130	2520	2520	0	4836	2794	7630	29	10.83	820	890	61	2590	3212	329	3541	1145	1000	3680	172	1000			
300	94020	1360	1130	2490	2490	0	4745	2795	7540	30	10.65	800	890	61	2580	3122	329	3451	1144	1000	3680	172	1000			
300	94720	1330	1130	2460	2460	0	4633	2797	7430	31	10.70	810	890	61	2520	3142	329	3471	1162	1000	3680	172	1000			
300	94490	1300	1140	2440	2440	0	4447	2803	7250	SEP 1	10.71	810	900	61	2510	3141	330	3471	1097	1000	3680	172	1000			
300	94720	1270	1150	2420	2420	0	4625	2805	7430	2	10.70	800	900	61	2490	3121	330	3451	1095	1000	3680	172	1000			
300	94750	1270	1130	2400	2400	0	4626	2804	7430	3	10.66	780	880	61	2480	3091	330	3421	1106	1000	3680	172	1000			
300	94720	1270	1120	2390	2390	0	4626	2804	7430	4	10.40	780	880	61	2450	3061	330	3391	1076	1000	3680	172	1000			
300	93790	1320	1130	2450	2450	0	4799	2801	7600	5	10.58	790	880	61	2450	3061	330	3391	1076	1000	3680	172	1000			
300	93320	1360	1130	2490	2490	0	4711	2799	7510	6	10.60	800	880	61	2430	3042	329	3371	978	1000	3680	172	1000			
300	91920	1330	1160	2490	2490	0	4832	2798	7630	7	10.54	800	880	61	2440	3022	329	3351	970	1000	3680	172	1000			
300	92510	1260	1170	2430	2430	0	4661	2799	7460	8	10.62	810	870	61	2410	3012	329	3341	1031	1000	3680	172	1000			
300	92090	1170	1170	2340	2340	0	4575	2795	7370	9	10.68	820	870	61	2390	2992	329	3321	960	1000	3680	172	1000			
300	92270	1140	1150	2290	2290	0	4485	2795	7280	10	10.69	810	870	61	2370	2972	329	3301	884	1000	3680	172	1000			
300	93320	1140	1180	2320	2320	0	4189	2801	6990	12	10.82	810	870	61	2340	2942	329	3271	804	1000	3680	172	1000			
300	94600	1130	1190	2320	2320	0	3939	2801	6740	13	10.79	810	870	61	2250	2852	329	3181	478	1000	3680	172	1000			
300	95430	1060	1190	2250	2250	0	3601	2809	6410	14	10.74	810	860	61	2210	2801	330	3131	311	1000	3680	172	1000			
300	95670	1030	1160	2190	2190	0	3489	2811	6300	15	10.57	800	860	61	2180	2771	330	3101	279	1000	3680	172	1000			
300	93090	981	1080	2061	2061	0	3683	2807	6490	16	10.77	820	860	61	2200	2791	330	3121	313	1000	3680	172	1000			
300	93320	947	971	1918	1918	0	3467	2803	6270	17	10.80	820	860	61	1960	2551	330	2881	252	1000	3680	172	1000			
300	91810	936	911	1847	1847	0	2904	2804	5710	18	10.73	800	860	61	1560	2151	330	2481	144	1000	3680	172	1000			
300	82960	923	803	1726	1726	0	2649	2811	5460	19	10.86	800	860	61	1610	2201	330	2531	49	1000	3680	172	1000			
300	82270	890	676	1566	1385	181	2290	2680	4920	20	10.70	790	760	61	1530	1951	400	2351	0	1000	3680	172	1000			
300	86100	864	644	1508	1160	348	2190	2470	4660	21	10.58	780	760	61	1470	1891	400	2291	0	1000	3680	172	1000			
300	85980	841	684	1525	1174	351	2170	2460	4630	22	10.46	780	750	54	1390	1794	400	2194	0	1000	3680	172	1000			
300	84940	769	697	1466	1136	330	2150	2480	4630	23	10.58	800	750	43	1390	1783	400	2183	0	1000	3680	172	1000			
300	84700	718	692	1410	1092	318	2030	2490	4520	24	10.58	790	620	43	1370	1633	400	2033	0	1000	3680	172	1000			
300	84700	683	620	1303	992	311	1970	2500	4470	25	10.76	780	610	0	1260	1470	400	1870	0	1000	3680	172	1000			
300	84940	550	596	1086	678	408	1760	2430	4190	26	10.83	780	610	0	1220	1430	400	1830	0	1000	3680	172	1000			
300	86100	496	476	972	378	594	1560	2300	3860	27	10.72	780	610	0	1200	1410	400	1810	0	1000	3680	172	1000			
300	87030	496	460	956	158	798	1390	2130	3520	28	10.55	770	600	0	1150	1350	400	1750	0	1000	3680	172	1000			
300	86370	492	387	879	0	879	1223	2027	3250	29	10.34	220	600	0	1100	1243	457	1700	0	1000	3680	172	1000			
300	84820	489	367	856	0	856	606	1944	2550	30	10.19	0	365	0	1100	1041	478	1445	0	1000	3680	172	1000			
300	83540	487	369	856	0	856																				
											139,701						263,013						82,229			
											207,902															

HOWELLS				DATE	LAKE MILNER GAGE	GOODING		P.A. LATERAL	MAIN N. SIDE CANAL	TOTAL N. CANAL CO.			TWIN FALLS CAN. CO.	MILNER LOW LIFT			PLATE NO. 13		
NORM	STOR.	NORM	TOTAL			GOODING STORED	NORTH SIDE			STOR.	NORM	TOTAL		STOR.	NORM	TOTAL	STOR.	NORM	TOTAL
0	5577	2793	8370	AUG 1	10.70	1000	880	61	2720	3362	329	3691	1216	2444	3680	172	0	172	
0	5586	2804	8310	13	10.76	1000	890	61	2760	3381	330	3711	1206	2474	3680	171	0	171	
0	5358	2802	8160	14	10.74	960	890	61	2780	3401	330	3731	1188	2472	3660	172	0	172	
0	5419	2801	8220	15	10.74	950	890	61	2780	3402	329	3731	1178	2472	3660	171	0	171	
0	5358	2802	8160	16	10.74	950	890	61	2780	3401	330	3731	1141	2469	3650	172	0	172	
0	5242	2798	8040	17	10.69	940	890	61	2760	3382	329	3711	1144	2469	3610	170	0	170	
0	5335	2795	8130	18	10.66	930	890	61	2760	3382	329	3711	1255	2465	3630	168	0	168	
0	5606	2794	8480	19	10.79	910	890	61	2790	3412	329	3741	1224	2466	3720	167	0	167	
0	5425	2795	8220	20	10.70	910	890	61	2730	3352	329	3681	1241	2469	3690	166	0	166	
0	5392	2798	8190	21	10.74	900	890	61	2740	3362	329	3691	1218	2472	3710	165	0	165	
0	5389	2801	8190	22	10.84	890	890	61	2760	3382	329	3711	1092	2475	3690	162	0	162	
0	5142	2805	7950	23	10.82	860	890	61	2740	3361	330	3691	1059	2475	3570	163	0	163	
0	5094	2796	7890	24	10.77	850	890	61	2700	3322	329	3651	1155	2467	3520	163	0	163	
0	5026	2794	7890	25	10.74	840	890	61	2670	3292	329	3621	1166	2465	3620	156	0	156	
0	5027	2793	7890	26	10.77	850	890	61	2670	3292	329	3621	1146	2464	3630	153	0	153	
0	4947	2793	7240	27	10.76	840	890	61	2630	3252	329	3581	1144	2464	3610	157	0	157	
0	4803	2795	7600	28	10.28	830	890	61	2620	3242	329	3571	1165	2466	3610	154	0	154	
0	4836	2794	7630	29	10.83	820	890	61	2590	3212	329	3541	1144	2465	3630	160	0	160	
0	4745	2795	7540	30	10.65	800	890	61	2580	3122	329	3451	1162	2466	3610	160	0	160	
0	4637	2797	7430	31	10.70	810	890	61	2520	3142	329	3471	1097	2468	3630	0	0	0	
0	4447	2803	7250	SER 1	10.71	810	900	61	2510	3141	330	3471	1095	2473	3570	0	0	0	
0	4625	2805	7430	2	10.70	800	900	61	2490	3121	330	3451	1095	2475	3570	0	0	0	
0	4626	2804	7430	3	10.66	780	880	61	2480	3091	330	3421	1106	2474	3580	149	0	149	
0	4626	2804	7430	4	10.60	780	880	61	2450	3061	330	3391	1096	2474	3570	147	0	147	
0	4676	2804	7480	5	10.58	790	880	61	2450	3061	330	3391	1076	2474	3570	146	0	146	
0	4799	2801	7600	6	10.60	800	880	61	2430	3042	329	3371	978	2472	3450	144	0	144	
0	4711	2799	7510	7	10.54	800	880	61	2440	3022	329	3351	970	2470	3440	149	0	149	
0	4832	2798	7630	8	10.62	810	870	61	2410	3012	329	3341	1031	2469	3500	165	0	165	
0	4661	2799	7460	9	10.68	820	870	61	2390	2992	329	3321	960	2470	3430	159	0	159	
0	4575	2795	7370	10	10.69	810	870	61	2370	2972	329	3301	884	2466	3350	154	0	154	
0	4485	2795	7280	11	10.75	810	870	61	2340	2942	329	3271	804	2466	3270	154	0	154	
0	4189	2801	6990	12	10.82	810	870	61	2290	2892	329	3221	628	2472	3100	153	0	153	
0	3939	2801	6740	13	10.79	810	870	61	2250	2852	329	3181	478	2472	2950	150	0	150	
0	3601	2809	6410	14	10.74	810	860	61	2210	2801	330	3131	311	2479	2790	152	0	152	
0	3489	2811	6300	15	10.57	800	860	61	2180	2771	330	3101	279	2481	2760	136	0	136	
0	3683	2807	4490	16	10.77	820	860	61	2180	2771	330	3101	279	2481	2760	132	0	132	
0	3467	2803	6270	17	10.80	820	860	61	2200	2791	330	3121	313	2477	2790	132	0	132	
0	2904	2806	5710	18	10.73	800	860	61	1960	2551	330	2881	257	2473	2730	132	0	132	
0	2649	2811	5460	19	10.86	800	860	61	1560	2151	330	2481	257	2473	2730	127	0	127	
0	2290	2630	4920	20	10.20	790	760	61	1610	2201	330	2531	144	2476	2620	125	0	125	
0	2190	2470	4660	21	10.58	780	760	61	1530	1951	400	2351	49	2481	2530	127	0	127	
0	2170	2460	4630	22	10.46	780	750	61	1470	1891	400	2291	0	2230	2230	129	0	129	
0	2150	2480	4630	23	10.58	800	750	54	1390	1794	400	2194	0	2070	2070	121	0	121	
0	2030	2490	4520	24	10.58	790	620	43	1390	1783	400	2183	0	2060	2060	129	0	129	
0	1970	2500	4470	25	10.76	780	610	0	1370	1633	400	2033	0	2080	2080	129	0	129	
0	1760	2470	4190	26	10.83	780	610	0	1260	1470	400	1870	0	2090	2090	54	0	54	
0	1560	2300	3960	27	10.72	780	610	0	1220	1430	400	1830	0	2100	2100	0	0	0	
0	1390	2130	3520	28	10.55	770	600	0	1200	1410	400	1810	0	2100	2100	72	0	72	
0	1223	2027	3250	29	10.24	220	600	0	1150	1350	400	1750	0	2030	2030	124	0	124	
0	606	1944	2550	30	10.19	0	365	0	1100	1243	457	1700	0	1900	1900	123	0	123	
									1100	1041	424	1465	0	1730	1730	123	0	123	
													0	1570	1570	123	0	123	
													0	1520	1520	123	0	123	
									</										

[illegible]

DIVERSIONS BY SNAKE RIVER CANALS - 1933

All quantities in 24-hour second feet except as noted

[illegible]

VALS - 1933

	29	30	31	SEP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	100	TOTAL	TOTAL	JACKSON LAND
																																				SEC. FT	AC. FT.	EQUIV. AC. FT.
5	9	10	9	8	5	7	7	9	10	9	10	5	5	6	6	5	5	6	7	6	5	3	4	3	3	5	6	6	10	8	5	1	0	1	1284	2540	2740	
9	0	0	0	0	0	0	0	25	0																									2	7929	15750	16970	
10	102	10	8	8	8	6	124	125	124	124	124	125	125	83	83	83																		3	935	1855	2000	
0	0	0	0	3	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3	0				4	8340	16550	17050	
5	0	0	0	2	2	0	6	9	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				5	45	89	9	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	0	4	3	0			6	103	204	220	
11	-52	-52	-52	-54	360	392	371	-54	-56	-54	-54	-54	-54	396	396	421																		7	42	83	90	
31	-3	-2	-3	-3	2	7	6	7	7	7	0																							8	11473	22700	24500	
31	36	36	35	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		9	50	99	107	
4	-10	-15	-15	-15	-15	0	38	40	16	3	3	3	15	2	0																			10	2670	5300	5710	
1	20	18	4	0	0	5	19	26	30	50	86	32	51	0	-16	-16	-16	30	67	38	29	-22	-26	-26	-26	-26	-26	70	37	76	64	25	11	7680	15230	16432		
5	53	51	45	0	0	0	0	0	19	26	93	89	113	121	121	99	94	86	76	68	63	61	87	83	80	80	91	62						12	485	964	1040	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		13	1785	3540	3820	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		14	4455	8845	9535	
5	0	0	32	37	38	0	0	0	0	0	0	0	0	0	0	0	0	0	48	50	0													15	38	76	81	
19	367	400	402	402	358	341	317	367	387	319	280	281	281	312	318	317	298	266	229	228	198	143	143	143	177	195	202	215	76	2	0			16	41	82	81	
4	137	140	142	129	130	72	116	120	123	126	126	126	128	130	132	122	22	0																17	566	1120	1210	
7	86	86	86	85	85	85	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	18	27304	54159	5837	
3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	0	3	0	3	3	2	0								19	7705	15290	1649		
0	1	0																																20	7392	14650	1580	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	131	259	28		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	26	52			
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	11923	23600	255		
0	0	0	0	0	0	0	5	6	6	5	5	5	7	9	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	189	374	4		
5	29	29	29	29	29	29	29	29	29	29	29	29	29	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	25	2043	4050	437	
7	304	325	327	343	345	345	360	352	366	364	363	365	343	355	351	104	0	0																26	21920	43500	469	
1																																			27	32	64	
4	0	0	0	0	94	78	78	78	0	0	10	10	10	10	10	10	10	80	80	81	81	82	10	10	10	10	10	10	10	10	10	10	0	28	3363	6675	715	
12	217	208	207	202	212	222	225	244	293	312	314	320	331	241	214	257	271	266	262	225	183	156	132	128	145	158	161	134	71	48	48	45	0	29	25541	50600	546	
757	1299	1244	1256	1197	1653	1589	1796	1478	1443	1423	1563	1880	1952	2244	2213	1780	1072	1025	916	778	695	589	949	953	908	942	586	632	333	264	240	170	30	155,490	308,300	332,5		
	0	0	0																																			

NO	TOTAL SEC. FT.	TOTAL AC. FT.	JACKSON LAKE EQUIV. AC. FT.	JACKSON LAKE RIGHT AC. FT.	AMERICAN FALLS RIGHT AC. FT.	SEASONAL PURCHASES AC. FT.	TOTAL RIGHT AC. FT.	STOR. WATER WASTE PAST MILNER AC. FT.	AMERICAN FALLS OVERLAP AC. FT.
1	1284	2540	2740	1200	(2) 2121	0	3321	0	581
2	7927	15750	16970	0	(3) 20382	0	20382	0	3412
3	935	1855	2000	2000	0	0	2000	0	0
4	8340	16550	17850	6100	(4) 12015	0	18115	0	265
5	45	89	96	0	0	161	161	0	0
6	103	204	220	0	0	220	220	0	0
7	42	83	90	0	0	107	107	0	0
8	11473	22700	24500	5000	(5) 17374	5000	27374	0	2874
9	50	99	107	0	0	107	107	0	0
10	2670	5300	5710	2000	(6) 2347	1220	6067	0	0
11	7680	15230	16432	5120	(7) 10880	432	16432	0	0
12	485	964	1040	1040	0	0	1040	0	0
13	1785	3540	3820	4000	0	0	4000	0	0
14	4455	8845	9535	3000	(8) 6535	0	9535	0	0
15	38	76	82	0	(9) 82	0	82	0	0
16	41	82	88	0	0	88	88	0	0
17	566	1120	1210	0	(10) 1351	0	1351	0	141
18	27304	54159	58377	0	(11) 17338	41039	58377	0	0
19	7705	15290	16490	0	(12) 5490	11000	16490	0	0
20	7392	14650	15800	(13) 3560	(14) 20073	0	23633	0	7833
21	131	259	280	0	215	65	280	0	0
22	26	52	56	0	79	0	79	0	23
23	11423	23600	25500	0	(15) 31816	0	31816	0	6316
24	189	374	403	355	0	48	403	0	0
25	2043	4050	4370	1500	(16) 3235	0	4735	0	365
26	21920	43500	46912	5000	(17) 41680	232	46912	0	0
27	32	64	69	0	0	69	69	0	0
28	3363	6675	7190	0	9000	0	9000	0	1810
29	25541	50600	54600	15000	(18) 39600	0	54600	0	0
30	155490	308300	332537	54875	241613	60288	356776	0	23620
31	5850	11600	12500	0	15033	0	15033	0	2533
32	1483	2940	3170	0	(19) 2200	0	3200	0	0
33	22187	43950	47400	8000	(20) 29400	10000	47400	0	0
34	62425	124000	133500	42685	(21) 64266	31329	138280	0	4780
35	933	1848	1990	0	4000	0	4000	0	2010
36	1460	2890	3117	0	(22) 2117	1000	3117	0	0
37	94280	187280	201677	50685	118016	42329	211030	0	9323
38	207902	412000	0	325810	120900	(23) 4532	34037	52	1185
39	16524	32800	0	0	29505	0	225194	1268	(24) 57926
40	82219	163000	0	(25) 74009	151185	0	708932	1207	(25) 141467
41	263013	522000	0	258954	(26) 449978	0	400000	323	122677
42	139701	277000	0	0	45000	0	45000	0	45000
43	0	0	0	0	278	0	278	0	278
44	0	0	0	0	0	1087	1087	0	0
45	508	1006	1087	0	0	0	0	0	0

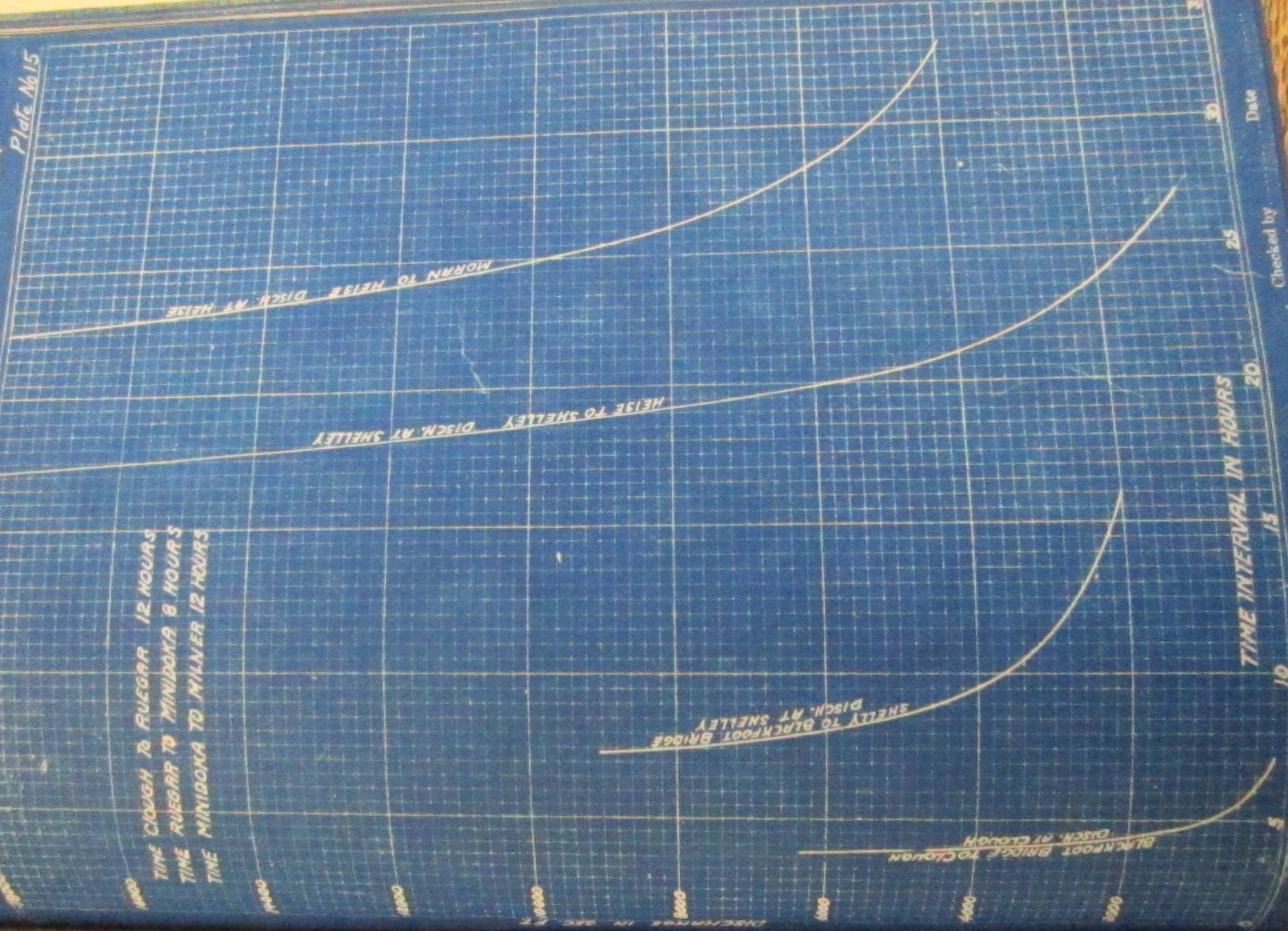
NOTES

- See plate No. 22 for detailed deliveries. Here listed one day later than actual use.
- Owned 793 ac. ft., lease 470 ac. ft., assigned Enterprise lease 858 ac. ft.
- Owned 13832 ac. ft., lease 6550 ac. ft.
- Owned 9030 ac. ft., lease 5000 ac. ft. less 858 ac. ft. assigned to Poplar Irr. Dist., and 1157 ac. ft. assigned to Rudy.
- Owned 11994 ac. ft., lease 5380 ac. ft.
- Lease 1190 ac. ft., assigned Enterprise lease 1157 ac. ft.
- Owned 6430 ac. ft., lease 4450 ac. ft.
- Owned 3860 ac. ft., lease 2675 ac. ft.
- Owned 3002 ac. ft. less 2920 ac. ft. rented to others.
- Owned 888 ac. ft., lease 463 ac. ft.
- Enterprise option 1720 ac. ft., lease 15038 ac. ft., Osgood transfer to Salem Union 580 ac. ft.
- Owned 2580 ac. ft., lease 2910 ac. ft.
- Yield of Twin Lakes.
- Owned 15852 ac. ft., lease 7100 ac. ft., less 580 ac. ft. transferred to Salem Union, 210 ac. ft. to New Sweden, and 2089 ac. ft. to Snake River Valley.
- Owned 26,986 ac. ft., lease 4830 ac. ft.
- Owned 2250 ac. ft., lease 985 ac. ft.
- Owned 24500 ac. ft., lease 16970 ac. ft., Osgood transfers 210 ac. ft.
- Owned 25111, lease 12400 ac. ft., Osgood transfer 2089 ac. ft.
- Lease
- Owned 19300 ac. ft., lease 10,100 ac. ft.
- Owned 40566 ac. ft., lease 23,700 ac. ft.
- Owned 1462 ac. ft., lease 655 ac. ft.
- Exclusive of Lake Walcott and gain Neeley to Milner.
- From Idaho Power Co.
- 77543 ac. ft. less sales of 3534 ac. ft.
- N.S. Canal Co. 258,832 ac. ft. Hillsdale 41,146 ac. ft., lease 150,000 ac. ft.
- After transmission loss charge of 3000 ac. ft. on Jackson Lake Storage not exchanged for American Falls Storage.
- Includes 11467 ac. ft. for Hillsdale District.

TIME INTERVAL BETWEEN GAGING STATIONS ON SNAKE RIVER

Plate No 15

TIME CLOUGH TO RUEGAR 12 HOURS
TIME RUEGAR TO MINIDOKA 8 HOURS
TIME MINIDOKA TO MILNER 12 HOURS



TIME INTERVAL IN HOURS

Date

Checked by

Date

Drawn by

Sheet No.

DAILY DISCHARGE IN SEC. FT. OF HENRY'S FORK CANALS FOR MAY 1933

FALL RIVER CANALS

NAME OF CANAL	FALL RIVER CANALS												TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	
YELLOWSTONE	0	0	0	0	0	0	0	0	0	0	0	0	0
HATHIGFIELD	0	0	0	0	0	0	0	0	0	0	0	0	0
MARYSVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL ABOVE SQUIRREL	0	0	0	0	0	0	0	0	0	0	0	0	0
FARMERS OWN	0	0	0	0	0	0	0	0	0	0	0	0	0
ALMY	0	0	0	0	0	0	0	0	0	0	0	0	0
ENTERPRISE	0	0	0	0	0	0	0	0	0	0	0	0	0
BELL	1	1	1	1	1	1	1	1	1	1	1	1	12
FALL RIVER	100	106	111	111	111	111	111	111	111	111	111	111	1200
MCBEE	2	2	2	2	2	2	2	2	2	2	2	2	24
CHESTER	7	7	7	7	7	7	7	7	7	7	7	7	84
SILKEY	10	10	10	10	10	10	10	10	10	10	10	10	120
CURR	2	3	3	3	3	3	3	3	3	3	3	3	36
TOTAL SQUIRREL-CHESTER	125	129	134	135	135	135	135	135	135	135	135	135	1620
HENRY'S FORK CANALS													
DEWEY	0	0	0	0	0	0	0	0	0	0	0	0	0
LAST CHANCE	20	20	20	20	20	20	20	20	20	20	20	20	240
ST. ANTHONY UNION	456	458	470	467	463	446	441	441	441	441	441	441	5472
FARMERS FRIEND	98	98	98	100	104	104	114	119	124	130	140	145	1260
TWIN GROVES	50	50	50	54	56	59	62	65	67	76	86	88	720
SALEM UNION	58	73	146	157	161	161	157	157	157	173	189	193	1560
TOTAL ASHTON-ST. ANTHONY	682	699	785	795	804	812	799	793	811	826	880	887	9960
EGIN	199	192	195	192	196	210	206	208	217	214	281	302	324
ST. ANTHONY UNION FEEDER	91	91	96	92	91	90	86	84	78	75	98	95	98
INDEPENDENT	308	322	327	325	322	322	320	302	299	295	320	326	350
CONSOLIDATED FARMERS	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL ST. ANTHONY-REXBURG	698	705	718	709	720	803	819	848	836	821	814	812	833
TETON RIVER CANALS													
SIDOWAY	0	0	0	0	0	0	0	0	0	0	0	0	0
WILFORD	84	85	86	86	76	86	86	85	85	85	85	85	85
TETON IRRIGATION	0	0	0	0	0	0	0	0	0	0	0	0	0
GOOD LUCK	0	0	0	0	0	0	0	0	0	0	0	0	0
PIONEER	0	0	0	0	0	0	0	0	0	0	0	0	0
STEWART	0	0	0	0	0	0	0	0	0	0	0	0	0
PINCOCK-BYINGTON	0	0	0	0	0	0	0	0	0	0	0	0	0
PINCOCK-GARNER	8	8	8	8	8	8	8	8	8	8	8	8	8
TETON ISLAND FEEDER	100	100	100	100	100	100	100	100	100	100	100	100	100
NORTH SALEM	0	0	0	0	0	0	0	0	0	0	0	0	0
ROXANA	10	10	10	10	10	10	10	10	10	10	10	10	10
ISLAND WARD	30	30	30	30	30	30	30	30	30	30	30	30	30
WOODMANSEE-JOHNSON	10	10	10	10	10	10	10	10	10	10	10	10	10
CITY OF REXBURG	10	10	10	10	10	10	10	10	10	10	10	10	10
REXBURG IRRIGATION	30	30	30	30	30	30	30	30	30	30	30	30	30
MCORMICK-ROWE	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	269	302	355	357	359	381	388	399	399	399	399	399	399

[illegible]

ONLY DISCHARGE IN SEC. 17 OF HENRY'S FORK CANNALS FOR JULY 1953
FALL RIVER CANNALS

OF HENRY'S FORK CANALS FOR JULY 1853
FALL RIVER CANALS

FALL RIVER CANALS

[illegible]

DAILY DISCHARGE IN SEC. FT. OF HENRY'S FORT CANALS FOR AUGUST 1933

FALL RIVER CANALS

517	562	619	624	641	607	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	613	6
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10/01	09/31	09/30	09/29	09/28	09/27	09/26	09/25	09/24	09/23	09/22	09/21	09/20	09/19	09/18	09/17	09/16	09/15	09/14	09/13	09/12	09/11	09/10	09/09	09/08	09/07	09/06	09/05	09/04	09/03	09/02	09/01	08/31	08/30	08/29	08/28	08/27	08/26	08/25	08/24	08/23	08/22	08/21	08/20	08/19	08/18	08/17	08/16	08/15	08/14	08/13	08/12	08/11	08/10	08/09	08/08	08/07	08/06	08/05	08/04	08/03	08/02	08/01	07/31	07/30	07/29	07/28	07/27	07/26	07/25	07/24	07/23	07/22	07/21	07/20	07/19	07/18	07/17	07/16	07/15	07/14	07/13	07/12	07/11	07/10	07/09	07/08	07/07	07/06	07/05	07/04	07/03	07/02	07/01	06/30	06/29	06/28	06/27	06/26	06/25	06/24	06/23	06/22	06/21	06/20	06/19	06/18	06/17	06/16	06/15	06/14	06/13	06/12	06/11	06/10	06/09	06/08	06/07	06/06	06/05	06/04	06/03	06/02	06/01	05/31	05/30	05/29	05/28	05/27	05/26	05/25	05/24	05/23	05/22	05/21	05/20	05/19	05/18	05/17	05/16	05/15	05/14	05/13	05/12	05/11	05/10	05/09	05/08	05/07	05/06	05/05	05/04	05/03	05/02	05/01	04/30	04/29	04/28	04/27	04/26	04/25	04/24	04/23	04/22	04/21	04/20	04/19	04/18	04/17	04/16	04/15	04/14	04/13	04/12	04/11	04/10	04/09	04/08	04/07	04/06	04/05	04/04	04/03	04/02	04/01	03/31	03/30	03/29	03/28	03/27	03/26	03/25	03/24	03/23	03/22	03/21	03/20	03/19	03/18	03/17	03/16	03/15	03/14	03/13	03/12	03/11	03/10	03/09	03/08	03/07	03/06	03/05	03/04	03/03	03/02	03/01	02/29	02/28	02/27	02/26	02/25	02/24	02/23	02/22	02/21	02/20	02/19	02/18	02/17	02/16	02/15	02/14	02/13	02/12	02/11	02/10	02/09	02/08	02/07	02/06	02/05	02/04	02/03	02/02	02/01	01/31	01/30	01/29	01/28	01/27	01/26	01/25	01/24	01/23	01/22	01/21	01/20	01/19	01/18	01/17	01/16	01/15	01/14	01/13	01/12	01/11	01/10	01/09	01/08	01/07	01/06	01/05	01/04	01/03	01/02	01/01	12/31	12/30	12/29	12/28	12/27	12/26	12/25	12/24	12/23	12/22	12/21	12/20	12/19	12/18	12/17	12/16	12/15	12/14	12/13	12/12	12/11	12/10	12/09	12/08	12/07	12/06	12/05	12/04	12/03	12/02	12/01	11/30	11/29	11/28	11/27	11/26	11/25	11/24	11/23	11/22	11/21	11/20	11/19	11/18	11/17	11/16	11/15	11/14	11/13	11/12	11/11	11/10	11/09	11/08	11/07	11/06	11/05	11/04	11/03	11/02	11/01	10/31	10/30	10/29	10/28	10/27	10/26	10/25	10/24	10/23	10/22	10/21	10/20	10/19	10/18	10/17	10/16	10/15	10/14	10/13	10/12	10/11	10/10	10/09	10/08	10/07	10/06	10/05	10/04	10/03	10/02	10/01	09/30	09/29	09/28	09/27	09/26	09/25	09/24	09/23	09/22	09/21	09/20	09/19	09/18	09/17	09/16	09/15	09/14	09/13	09/12	09/11	09/10	09/09	09/08	09/07	09/06	09/05	09/04	09/03	09/02	09/01	08/31	08/30	08/29	08/28	08/27	08/26	08/25	08/24	08/23	08/22	08/21
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YELLOWSTONE																														0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HARBISFIELD																														0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MARYSVILLE																														0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL ABOVE SQUIRREL																														0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
FARMERS OWN																														0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALMY																														0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ENTERPRISE																														144	144	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143
BELL																														0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
FALL RIVER																														308	310	312	304	295	294	293	186	179	142	106	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCBEE																														0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CHESTER																														0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SILNEY																														0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CURR																														31	31	31	31	29	27	23	19	21	26	27	28	29	29	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
TOTAL SQUIRREL-CHESTER																														483	485	486	476	465	460	455	351	348	313	283	230	176	177	174	173	246	247	350	309	270	251	230	143	112	96	92	147	201	8580			
HENRY'S FORTH CANALS																																																														
DEWEY																														0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LAST CHARGE																														16	16	16	16	17	14	11	12	14	16	17	18	18	18	19	19	19	19	20	22	21	23	27	31	29	27	26	26	26	26	26	26	
ST. ANTHONY UNION																														325	325	325	341	357	368	378	382	385	376	368	346	323	321	325	316	294	262	263	264	266	268	273	278	276	273	271	270	270	270	270	270	
FARMERS FRIEND																														0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TWIN GROVES																														0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SALEM UNION																														118	118	118	115	112	116	120	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL BSHTON-STANTHONY																														454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	
EGIN																														220	227	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	
ST. ANTHONY UNION FEEDER																														80	78	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	
INDEPENDENT																														24	12	0	24	48	50	53	53	53	54	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
CONSOLIDATED FARMERS																														112	107	96	85	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	
TOTAL STANTHONY-REXBURG																														434	434	434	434	434	434	434	434	434	434	434	434	434	434	434	434	434	434	434	434	434	434	434	434	434	434	434	434	434	434	434	434	
TETON RIVER CANALS																																																														
SIDOWAY																														13	12	12	11	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
WILFORD																														54	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	
TETON IRRIGATION																														52	46	44	43	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
GOOD LUCK																														10	9	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
PIONEER																														8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8		
STEWART																														8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8		
PINCKNEY-BAYINGTON																														8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8		
PINCKNEY-GARNER																														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		
TETON ISLAND FEEDER																														144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	
NORTH SALEM																														0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
HOKING WARD																														14	15	14	14	13	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
ISLAND WARD																														0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
WOODWARD - JOHNSON																														0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
CITY OF REXBURG																														14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14		
REXBURG IRRIGATION																														130	128	128	117	118	118	119	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	
MCCORMICK - HOWE																														0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TOTAL																														138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	

HENRYS FORK - DAILY SEGREGA

DATE	HENRYS LAKE AC. FT.	HENRYS FORK NEAR LAKE			STORED LOSS LAKE TO WARM RIVER	DATE	HENRYS FORK AT WARM RIVER			STORED LOSS WARM RIVER TO ASHTON	DATE	HENRYS FORK NEAR ASHTON			DIVERSIONS ASHTON TO ST. ANTHONY a			HENRYS FORK AT ST. ANTHONY			DIVERSIONS BELOW ST. ANTHONY b			STORED BALANCE BELOW DIVERSIONS
		STOR.	NORM.	TOTAL			STOR.	NORM.	TOTAL			STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	
		0	10	10	0	JULY 7	0	818	818	0	JULY 8	0	1180	1180	0	781	781	0	709	709	0	613	613	0
6		0	10	10	0	8	0	824	824	0	9	0	1180	1180	0	796	796	0	800	800	0	736	736	0
7	37448	0	38	38	0	9	0	855	855	0	10	0	1230	1230	0	830	830	0	819	819	51	735	786	-51
8	37267	59	46	105	1	10	58	803	861	0	11	58	1292	1350	122	752	874	-65	923	859	204	659	863	-268
9	36841	195	42	237	2	11	192	707	899	1	12	191	1159	1350	226	619	845	-35	789	754	236	580	816	-271
10	36347	229	41	270	3	12	226	757	983	1	13	225	1145	1370	221	617	838	4	741	745	176	587	763	-173
11	35770	271	39	310	4	13	267	763	1030	1	14	266	1114	1380	259	604	865	7	702	709	179	584	763	-172
12	35157	290	38	328	4	14	286	764	1050	1	15	285	1085	1370	342	619	956	-57	731	674	181	511	672	-238
13	34544	290	36	326	4	15	286	784	1070	2	16	284	1086	1370	316	661	977	-32	639	607	165	415	580	-197
14	34042	234	35	269	4	16	230	850	1080	1	17	229	1091	1320	283	711	944	-54	629	575	156	409	565	-210
15	33600	203	35	238	3	17	200	870	1070	1	18	199	1221	1420	479	518	997	-288	1007	727	172	471	643	-452
16	32951	309	35	344	4	18	305	735	1040	2	19	303	1097	1400	327	527	864	-34	779	745	247	458	705	-281
17	32274	322	35	357	5	19	317	743	1060	2	20	315	1105	1420	329	525	854	-14	723	709	253	461	714	-267
18	31597	321	34	355	5	20	316	804	1120	2	21	314	1084	1400	431	272	703	-117	871	754	290	465	753	-407
19	30913	325	34	359	5	21	320	800	1120	2	22	318	1102	1420	418	294	712	-100	881	781	323	465	788	-423
20	30165	357	34	391	5	22	352	768	1120	2	23	350	1150	1500	596	316	912	-246	1065	819	311	465	776	-557
21	29278	427	34	461	6	23	421	709	1130	2	24	419	1111	1530	633	314	947	-214	1073	859	333	469	802	-537
22	28354	445	34	479	7	24	438	702	1140	2	25	436	1094	1530	624	240	864	-188	915	727	321	472	793	-509
23	27428	446	33	479	7	25	439	741	1180	2	26	437	1093	1530	582	303	885	-145	854	709	269	473	742	-414
24	26500	448	33	481	7	26	441	759	1200	2	27	439	1091	1530	567	307	876	-128	837	709	239	482	721	-367
25	25574	447	32	479	7	27	440	780	1220	2	28	438	1092	1530	572	316	888	-134	843	709	220	491	711	-354
26	24644	449	32	481	7	28	442	788	1230	2	29	440	1066	1500	565	322	887	-125	817	692	204	494	678	-329
27	23712	450	31	481	7	29	443	767	1210	2	30	441	1039	1480	542	319	881	-121	821	700	179	479	658	-300
28	22789	445	31	476	7	30	438	762	1200	2	31	436	1064	1500	545	317	882	-129	812	683	176	466	643	-305
29	21877	440	30	470	7	31	433	767	1200	2	AUG 1	431	1079	1510	576	210	786	-145	854	709	170	461	631	-315
30	20953	445	29	474	7	AUG 1	438	772	1210	2	2	436	1110	1530	563	236	799	-127	872	745	212	460	672	-339
31	20029	446	28	474	7	2	437	781	1220	2	3	437	1073	1510	562	234	796	-125	915	790	245	459	704	-370
AUG 1	19096	452	27	479	7	3	445	785	1230	2	4	443	1067	1510	554	225	797	-111	892	781	253	459	712	-344
2	18166	446	26	472	7	4	439	761	1200	2	5	437	1063	1500	547	225	772	-110	873	763	264	453	697	-374
3	17227	453	26	479	7	5	446	754	1200	2	6	444	986	1430	513	257	772	-67	796	727	250	424	674	-319
4	16416	389	26	415	6	6	383	757	1140	2	7	381	959	1340	461	231	673	-80	780	700	258	424	682	-338
5	15812	285	25	310	4	7	281	759	1040	1	8	279	1061	1340	465	230	675	-186	886	700	343	343	686	-529
6	15266	256	25	281	4	8	252	778	1030	1	9	251	1039	1290	453	237	680	-202	885	683	354	292	646	-556
7	14713	254	25	279	4	9	250	760	1010	1	10	249	951	1200	440	224	664	-191	806	615	334	235	569	-525
8	14203	187	25	212	3	10	184	754	938	1	11	183	1037	1220	458	234	672	-225	915	640	330	255	585	-605
9	13964	151	24	175	1	11	150	788	938	1	12	149	1141	1290	426	279	705	-277	977	700	332	267	594	-609
10	13460	234	24	258	4	12	230	766	996	1	13	229	1081	1310	415	274	689	-186	886	700	336	260	596	-522
11	12889	268	24	292	4	13	264	746	1010	2	14	263	1047	1310	400	279	675	-137	837	700	351	268	619	-488
12	12310	272	24	296	4	14	268	722	990	1	15	266	954	1220	412	268	680	-144	804	658	331	280	611	-477
13	11856	209	23	232	3	15	206	725	931	1	16	205	1015	1230	422	262	684	-217	841	624	322	276	578	-539
14	11471	174	23	197	2	16	172	746	918	1	17	171	1049	1220	418	263	681	-247	862	615	304	275	579	-531
15	11093	171	23	194	3	17	168	737	905	1	18	167	1053	1220	415	263	678	-248	872	624	332	274	606	-580
16	10717	170	22	192	2	18	168	737	905	1	19	167	1113	1280	437	239	676	-270	936	666	356	273	629	-626
17	10345	168	22	190	3	19	165	766	931	1	20	164	1146	1310	404	272	676	-240	914	674	364	272	636	-604

Includes storage diversions by
Includes storage diversions by

DAILY SEGREGATION OF FLOW IN SEC. FT. - 1933

PLAT

DATE	STOR. BALANCE BELOW DIVERSIONS
613	0
736	0
786	-51
843	-268
816	-271
763	-172
763	-172
692	-238
580	-197
565	-210
643	-452
705	-281
714	-267
755	-407
788	-423
776	-457
802	-547
793	-609
742	-414
721	-367
711	-354
698	-329
658	-300
642	-305
631	-315
672	-339
704	-370
712	-364
697	-374
674	-319
682	-338
686	-529
646	-556
569	-525
585	-605
599	-609
596	-522
619	-488
611	-477
578	-539
579	-551
606	-580
629	-626
636	-604

DATE	HENRYS LAKE AC. FT.	HENRYS FORK NEAR LAKE			STORED LOSS LAKE TO WARM RIVER	DATE	HENRYS FORK AT WARM RIVER			STORED LOSS WARM RIVER TO ASHTON	DATE	HENRYS FORK NEAR ASHTON			DIVERSIONS ASHTON TO ST. ANTHONY A			HENRYS FORK AT ST. ANTHONY			DIVE BELOW LA.
		STOR.	NORM.	TOTAL			STOR.	NORM.	TOTAL			STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	
AUG 1	9941	184	22	206	3	AUG 1	181	757	938	1	AUG 21	180	1070	1250	406	241	647	-226	900	674	335
19	9534	186	23	209	3	21	183	729	912	1	22	182	1070	1260	396	210	606	-219	923	709	294
20	9124	187	21	208	3	22	184	748	924	1	23	183	1047	1230	378	185	563	-195	940	745	261
21	8712	188	21	209	3	23	185	695	880	1	24	184	906	1090	364	160	524	-180	870	640	242
22	8596	39	20	59	0	24	39	737	776	0	25	39	1031	1070	376	163	539	-337	952	615	233
23	8517	0	20	20	0	25	0	720	770	0	26	0	1150	1150	229	166	490	-274	964	672	224
24	8517	0	18	18	0	26	0	831	831	0	27	0	1110	1110	227	179	576	-297	989	672	203
25	8517	0	18	18	0	27	0	788	788	0	28	0	1090	1090	230	197	581	-290	973	683	91
26	8517	0	18	18	0	28	0	776	776	0	29	0	1090	1090	236	185	471	-286	944	658	114
27	8517	0	18	18	0	29	0	744	744	0	30	0	1070	1070	234	181	465	-284	924	640	118
28	8517	0	18	18	0	30	0	753	753	0	31	0	1080	1080	234	181	465	-284	916	632	118
29	8517	0	17	17	0	31	0	753	753	0	SEP 1	0	1080	1050	270	181	459	-270	877	599	96
30	8517	0	17	17	0	SEP 1	0	753	753	0	2	0	1070	1070	270	181	459	-270	910	632	29
31	8517	0	17	17	0	2	0	753	753	0	3	0	1070	1070	277	182	459	-277	892	615	36
SEP 1	8517	0	17	17	0	3	0	753	753	0	4	0	1070	1070	274	198	478	-274	881	607	109
2	8517	0	16	16	0	4	0	753	753	0	5	0	1080	1080	272	214	486	-272	879	607	137
3	8517	0	16	16	0	5	0	753	753	0	6	0	1050	1050	270	225	478	-270	856	583	182
4	8517	0	15	15	0	6	0	747	747	0	7	0	1040	1040	274	235	509	-274	845	572	137
5	8517	0	15	15	0	7	0	741	741	0	8	0	1040	1040	275	239	514	-275	838	583	138
6	8517	0	15	15	0	8	0	747	747	0	9	0	1070	1070	157	242	399	-157	911	754	131
7	8517	0	15	15	0	9	0	759	759	0	10	0	1050	1050	189	232	421	-189	1000	819	131
8	8517	0	15	15	0	10	0	747	747	0	11	0	1040	1040	193	219	410	-193	1054	859	144
9	8517	0	15	15	0	11	0	741	741	0	12	0	1030	1030	195	198	393	-195	1094	899	144
10	8517	0	15	15	0	12	0	741	741	0	13	0	1040	1040	195	176	371	-195	1115	920	12
11	8517	0	15	15	0	13	0	741	741	0	14	0	1030	1030	191	177	360	-191	1100	909	9
12	8517	0	15	15	0	14	0	753	753	0	15	0	1150	1150	192	180	372	-192	1208	1010	5
13	8517	49	16	65	1	15	48	776	824	0	16	48	1082	1130	191	182	373	-191	1223	1090	5
14	8429	51	15	66	1	16	50	768	818	0	17	50	1070	1120	162	183	345	-162	1172	1060	5
15	8342	51	15	66	0	17	51	743	794	0	18	51	1019	1070	162	151	313	-162	1020	969	
16	8254	50	15	65	1	18	49	733	782	1	19	48	1042	1090	162	119	281	-162	1013	899	
17	8166	50	15	65	1	19	49	733	782	0	20	49	1021	1070	163	120	287	-163	1078	784	
18	8078	50	15	65	0	20	50	726	776	0	21	50	1030	1080	197	121	320	-197	1133	904	
19	7990	49	15	64	1	21	48	728	776	0	22	48	1022	1070	216	123	339	-168	1131	963	
20	7903	48	15	63	1	22	47	723	770	1	23	46	1024	1070	225	125	350	-179	1142	963	
21	7816	47	15	62	0	23	47	735	782	0	24	47	1033	1080	243	120	362	-195	1158	963	
22	7729	49	15	64	1	24	48	758	806	0	25	48	1172	1220	76	299	375	-20	1308	1280	
23	7641	50	15	65	0	25	49	819	868	0	26	49	1101	1150	2	303	305	47	1143	1190	
24	7554	50	15	65	1	26	50	762	812	1	27	49	1081	1130	0	300	300	49	1061	1110	
25	7466	50	15	65	1	27	49	745	794	0	28	49	1021	1070	0	300	300	49	981	1030	
26	7378	50	15	65	0	28	49	745	794	0	29	49	1021	1050	0	296	296	49	977	1020	
27	7290	49	15	64	0	29	49	727	776	1	30	48	992	1040	0	296	296	48	972	1020	
28	7220	10	15	25	0	30	10	731	741	0		10						10			
29	7203	0	6	6	0																
30	7240	0	6	6	0																
TOTAL SEASON	14369				216		14153			71		14082			27320			-13238			14

diversions by Fall River Canals.
Teton River.

HENRYS LAKE AC. FT.	HENRYS FORK NEAR LAKE			STORED LOSS LAKE TO WARM RIVER	DATE	HENRYS FORK AT WARM RIVER			STORED LOSS WARM RIVER TO ASHTON	DATE	HENRYS FORK NEAR ASHTON			DIVERSIONS ASHTON TO ST. ANTHONY			HENRYS FORK AT ST. ANTHONY			DIVERSIONS BELOW ST. ANTHONY			STORED BALANCE BELOW DIVERSIONS
	STOR.	NORM.	TOTAL			STOR.	NORM.	TOTAL			STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	
9941	186	22	206	3		181	757	938	1	AUG 21	180	1070	1250	404	291	695	-224	900	676	335	272	607	-561
9538	186	22	208	3		185	729	912	1	22	182	1070	1260	394	210	604	-214	922	709	294	272	566	-508
9124	187	21	208	3		184	740	924	1	23	183	1047	1230	378	185	563	-195	990	725	261	269	530	-456
8712	188	21	209	3		185	695	880	1	24	184	906	1090	364	160	524	-180	820	640	242	266	508	-432
8596	39	20	59	0		87	737	776	0	25	39	1037	1070	526	169	519	-337	952	615	233	270	511	-570
8517	0	20	20	0		0	720	720	0	26	0	1150	1150	279	166	440	-274	966	672	224	270	514	-470
8517	0	18	18	0		0	831	831	0	27	0	1110	1110	297	179	476	-297	989	692	202	294	496	-477
8517	0	18	18	0		0	788	788	0	28	0	1090	1090	290	197	481	-290	993	683	97	307	478	-381
8517	0	18	18	0		0	776	776	0	29	0	1090	1090	286	185	471	-286	999	658	114	343	457	-400
8517	0	18	18	0		0	744	744	0	30	0	1070	1070	289	181	465	-289	984	690	118	323	491	-402
8517	0	17	17	0		0	753	753	0	31	0	1080	1080	284	181	465	-284	916	632	118	323	441	-402
8517	0	17	17	0	SEP 1	0	753	753	0	2	0	1080	1050	278	181	459	-278	877	599	94	340	436	-374
8517	0	17	17	0	2	0	753	753	0	3	0	1070	1070	278	181	459	-278	910	632	79	365	434	-357
8517	0	17	17	0	3	0	753	753	0	4	0	1070	1070	277	182	459	-277	892	615	54	370	426	-333
8517	0	16	16	0	4	0	753	753	0	5	0	1070	1070	274	198	472	-274	881	607	109	330	439	-383
8517	0	16	16	0	5	0	753	753	0	6	0	1080	1080	272	214	486	-272	879	607	132	330	463	-409
8517	0	15	15	0	6	0	747	747	0	7	0	1050	1050	273	225	498	-273	856	583	132	307	441	-405
8517	0	15	15	0	7	0	741	741	0	8	0	1040	1040	274	235	509	-274	849	575	137	288	425	-411
8517	0	15	15	0	8	0	742	742	0	9	0	1040	1040	275	239	514	-275	850	583	138	291	429	-413
8517	0	15	15	0	9	0	759	759	0	10	0	1070	1070	157	242	399	-157	911	754	138	299	437	-395
8517	0	15	15	0	10	0	747	747	0	11	0	1050	1050	187	232	421	-187	1000	819	139	300	437	-328
8517	0	15	15	0	11	0	741	741	0	12	0	1030	1030	195	219	414	-195	1054	859	140	302	442	-335
8517	0	15	15	0	12	0	741	741	0	13	0	1040	1040	195	198	393	-195	1094	899	140	300	440	-335
8517	0	15	15	0	13	0	741	741	0	14	0	1030	1030	191	176	371	-195	1115	920	122	298	420	-317
8517	0	15	15	0	14	0	753	753	0	15	0	1150	1150	192	186	372	-192	1200	1010	55	275	430	-247
8517	49	15	65	1	15	48	776	824	0	16	48	1082	1130	191	182	373	-193	1223	1090	55	258	417	-198
8429	51	15	66	1	16	50	768	818	0	17	50	1070	1120	162	183	345	-112	1172	1060	55	257	412	-167
8342	51	15	66	0	17	51	743	794	0	18	51	1019	1070	162	151	313	-111	1020	909	0	253	353	-111
8254	50	15	65	1	18	49	733	782	1	19	48	1042	1090	162	119	281	-114	1013	899	0	261	351	-119
8166	50	15	65	1	19	49	733	782	0	20	49	1021	1070	163	120	282	-114	1098	984	0	276	376	-114
8078	50	15	65	0	20	50	726	776	0	21	50	1030	1080	199	121	320	-197	1133	984	0	321	321	-197
7990	49	15	64	1	21	48	728	776	0	22	48	1022	1070	216	123	339	-168	1131	963	0	322	322	-168
7903	48	15	63	1	22	47	723	770	1	23	46	1024	1070	225	125	350	-177	1142	969	0	322	322	-179
7816	47	15	62	0	23	47	735	782	0	24	47	1037	1080	242	120	362	-195	1150	963	0	320	320	-195
7729	49	15	64	1	24	48	758	806	0	25	48	1122	1220	76	299	375	-28	1308	1220	0	319	319	-28
7641	50	15	65	1	25	49	819	868	0	26	49	1101	1150	2	303	305	47	1193	1190	0	316	316	-47
7554	50	15	65	0	26	50	762	812	1	27	49	1081	1130	0	300	300	49	1061	1110	0	313	313	49
7466	50	15	65	1	27	49	745	794	0	28	49	1027	1070	0	300	300	49	987	1030	0	313	313	49
7378	50	15	65	1	28	49	745	794	0	29	49	1081	1050	0	296	296	49	977	1020	0	313	313	49
7290	49	15	64	0	29	49	727	776	1	30	48	992	1040	0	296	296	48	972	1020	0	313	313	48
7220	10	15	25	0	30	10	731	741	0		10						10						10
7203	0	6	6	0		0																	
7240	0	6	6	0																			
70N	14369		216		14153			71		14082			27320			-13238			14974				-28212

PLATE NO. 22

[illegible]

[illegible]

Year	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
3450	2250	1630	2020	2160	2030	1310	9180	11300	7680	11600	10200
2240	2300	1610	2130	2160	2050	1320	9100	10900	7950	11500	10100
3470	2230	1810	2040	2160	2070	1860	9100	10400	8620	11400	10100
3630	2190	1910	2020	2140	2040	2040	8940	10400	8620	11400	10100
3490	2170	1860	2150	2160	2050	2290	8820	10400	11000	11600	10000
3170	227	1910	2070	2140	2060	2060	9140	10500	10600	11600	9890
3400	2220	1850	2070	2250	1960	3320	9180	10600	10600	11200	9970
3530	2160	4120	2040	2480	1830	4550	9220	10600	10600	11200	10200
3340	2160	4000	2100	2880	1860	4610	8660	10600	10600	10900	10100
3290	2170	4320	1850	2750	1830	4050	8380	10600	10600	10900	9970
3590	2170	2770	1720	2520	1790	3240	8420	10600	10600	10900	10100
2780	2200	4020	1810	2430	1790	2970	8420	10600	10600	10900	10200
2710	127	4890	1830	2170	1790	3290	8380	10100	10100	11600	9930
2710	2250	4310	1780	2150	4100	3610	8380	10400	10400	11300	8500
2680	2090	3530	1790	2310	1790	3900	8140	10800	10800	11100	7790
2560	1180	4850	1790	2430	1860	4080	7560	11200	11200	11000	7410
2700	1350	4130	2010	2220	1330	4450	7560	11200	11200	11200	6130
2470	126	1970	2140	2130	1510	4680	7600	11300	11300	11500	5910
2670	124	3610	2170	2030	1460	4740	7560	10900	10900	11600	5870
2640	124	1970	2130	2080	1350	4710	7560	10600	10600	11500	5840
2590	124	1960	2100	2030	1320	4650	8110	10400	10400	11400	5840
755	124	3410	2100	2020	1290	4650	8260	10500	10500	11300	5840
786	124	3460	2140	2020	1290	4880	8300	10900	10900	11200	5730
713	124	1990	2190	2040	1300	5480	8340	11300	11300	11200	5800
734	1140	2060	2140	2040	1310	6590	8900	11400	11400	11100	5560
1070	1140	2040	2160	2010	1290	7680	9340	11300	11300	10900	5350
748	1140	2130	2210	2030	1310	8740	9760	10900	10900	10800	4610
748	1840	2040	2140	2030	1310	9140	9840	10400	10400	10500	3130
734	1890	2040	2190	2030	1310	9220	10100	10100	10100	10500	2800
741	1850	2040	2140	2030	1300	9180	10300	10100	10100	10400	1970

Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
140,000	8,270	1,380	2,780	2,080	2,810	1,710	4,590	8,750	10,700	11,000	11,200
140,000	8,270	1,380	2,780	2,080	2,810	1,710	4,590	8,750	10,700	11,000	11,200
140,000	8,270	1,380	2,780	2,080	2,810	1,710	4,590	8,750	10,700	11,000	11,200
140,000	8,270	1,380	2,780	2,080	2,810	1,710	4,590	8,750	10,700	11,000	11,200
140,000	8,270	1,380	2,780	2,080	2,810	1,710	4,590	8,750	10,700	11,000	11,200
140,000	8,270	1,380	2,780	2,080	2,810	1,710	4,590	8,750	10,700	11,000	11,200
140,000	8,270	1,380	2,780	2,080	2,810	1,710	4,590	8,750	10,700	11,000	11,200
140,000	8,270	1,380	2,780	2,080	2,810	1,710	4,590	8,750	10,700	11,000	11,200
140,000	8,270	1,380	2,780	2,080	2,810	1,710	4,590	8,750	10,700	11,000	11,200
140,000	8,270	1,380	2,780	2,080	2,810	1,710	4,590	8,750	10,700	11,000	11,200
140,000	8,270	1,380	2,780	2,080	2,810	1,710	4,590	8,750	10,700	11,000	11,200
140,000	8,270	1,380	2,780	2,080	2,810	1,710	4,590	8,750	10,700	11,000	11,200

MEAN 5,580
AGE-WATER 4,010,000

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	690	447	368	368	367	0	1520	1520	1600	1490	1580	1300
2	689	445	367	368	370	0	1570	1570	1600	1530	1570	1270
3	706	453	370	368	367	0	1590	1590	1600	1580	1580	1270
4	685	449	368	368	367	0	1620	1620	1600	1580	1580	1270
5	738	454	367	368	367	0	1620	1620	1600	1580	1580	1270
6	734	453	368	368	367	0	1540	1540	1590	1590	1570	1320
7	689	447	257	376	376	196	1520	1540	1590	1580	1540	1360
8	567	447	67	376	376	376	1520	1470	1590	1590	1500	1330
9	465	442	0	383	383	389	1360	1470	1600	1580	1500	1260
10	469	442	0	389	389	391	1320	1320	1600	1580	1480	1140
11	558	442	0	391	389	389	1230	1320	1590	1590	1480	1140
12	616	440	0	389	389	389	1170	1230	1590	1590	1480	1140
13	618	435	0	389	389	389	1170	1230	1590	1590	1480	1130
14	618	428	0	389	389	389	1040	1170	1590	1580	1480	1060
15	616	432	0	460	460	460	967	1040	1590	1580	1440	1030
16	614	432	0	550	550	550	1060	967	1590	1580	1440	981
17	590	430	0	586	586	586	999	966	1590	1580	1500	947
18	499	426	0	590	590	590	932	866	1590	1580	1600	923
19	469	420	0	594	590	594	965	865	1590	1580	1540	890
20	472	409	0	622	594	622	963	963	1580	1580	1450	864
21	478	401	0	712	782	712	1020	1020	1580	1580	1460	841
22	474	394	0	782	1050	782	1050	1050	1590	1570	1510	769
23	469	387	0	853	1100	853	1100	1100	1590	1570	1560	718
24	467	379	0	1010	1280	1010	1280	1280	1590	1580	1560	683
25	465	373	0	1110	1460	1110	1460	1460	1590	1580	1560	550
26	462	371	0	1180	1550	1180	1550	1550	1590	1580	1510	496
27	463	368	0	1390	1540	1390	1540	1540	1590	1580	1460	496
28	458	367	0	1570	1550	1570	1550	1550	1580	1570	1420	492
29	456	367	0	1620	1600	1620	1600	1600	1580	1580	1390	489
30	451	367	0	1600	1600	1600	1600	1600	1580	1580	1360	487
31	449	367	0	1500	1600	1500	1600	1600	1580	1580	1330	

Jan. & May

Year	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
Mean	81.7	418	556	556	556	556	556	556	556	556	556	556
Acres	5,020	24,900	34,100	34,100	34,100	34,100	34,100	34,100	34,100	34,100	34,100	34,100

Year
or
Period
Mean
781
Acres-Per
582,000

HARPER MEASUREMENTS AND MEASUREMENTS, ILLINOIS

For the year ending September 30, 1914

Plate No. 25

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9.54	7.52	7.53	7.48	7.52	7.44	7.53	10.47	10.84	10.78	10.84	10.71
2	9.50	7.15	7.63	7.44	7.60	7.47	7.54	10.45	10.88	10.84	10.88	10.71
3	8.94	7.58	7.82	7.54	7.60	7.50	7.07	10.16	10.92	10.98	10.81	10.64
4	9.05	7.88	7.63	7.55	7.53	7.48	7.53	10.50	10.92	11.02	10.78	10.60
5	9.12	7.61	7.43	7.52	7.44	7.53	7.45	10.47	10.95	10.89	10.64	10.55
6	9.03	7.42	7.57	7.61	7.42	7.49	7.60	10.23	10.88	10.78	10.76	10.60
7	8.97	8.00	7.68	7.46	7.40	7.54	7.50	10.74	10.86	10.88	10.79	10.54
8	9.02	7.98	7.49	7.48	7.69	7.42	7.81	10.76	10.98	10.92	10.80	10.52
9	8.91	7.98	7.18	7.45	7.44	7.46	7.48	10.82	10.99	10.96	10.77	10.62
10	8.74	8.32	7.72	7.43	7.44	7.48	7.40	10.54	11.02	10.92	10.67	10.59
11	8.84	8.15	7.78	7.54	7.71	7.50	7.40	10.55	11.04	10.92	10.64	10.75
12	8.99	8.00	7.69	7.54	7.57	7.45	7.58	10.82	11.06	10.84	10.70	10.62
13	9.09	8.14	7.72	7.44	7.50	7.32	7.58	10.89	11.03	10.78	10.78	10.72
14	8.96	8.08	7.70	7.44	7.41	7.60	7.58	10.85	10.99	10.76	10.74	10.74
15	9.03	8.02	7.70	7.44	7.35	7.74	7.48	10.80	10.91	10.84	10.74	10.57
16	9.06	7.83	7.82	7.40	7.44	7.56	7.72	10.75	10.88	10.83	10.74	10.77
17	9.22	7.66	7.88	7.52	7.64	7.28	8.45	10.74	10.87	10.76	10.69	10.80
18	9.34	8.02	7.86	7.64	7.56	7.66	9.51	10.56	10.90	10.86	10.68	10.78
19	9.43	7.98	7.48	7.65	7.47	7.49	10.26	10.78	10.98	10.73	10.78	10.83
20	9.22	7.84	7.64	7.52	7.52	7.50	9.93	10.82	11.04	10.77	10.70	10.70
21	9.12	7.89	7.90	7.52	7.45	7.08	9.90	10.73	10.98	10.82	10.74	10.53
22	8.84	7.75	7.50	7.54	7.58	7.78	9.92	10.58	10.82	10.78	10.84	10.45
23	8.43	7.98	7.50	7.53	7.51	7.50	9.92	10.70	10.84	10.89	10.82	10.56
24	8.43	7.98	7.64	7.55	7.46	7.43	9.86	10.56	10.83	10.90	10.77	10.58
25	8.16	7.89	7.62	7.43	7.60	7.58	9.92	10.80	10.87	10.84	10.74	10.76
26	8.07	7.86	7.57	7.46	7.48	7.52	9.95	10.61	10.89	10.76	10.77	10.83
27	7.80	7.77	7.52	7.59	7.61	7.48	10.02	10.60	10.96	10.76	10.78	10.72
28	7.09	7.71	7.51	7.58	7.60	7.40	10.18	11.08	10.83	10.81	10.78	10.55
29	6.92	7.69	7.52	7.58		7.53	10.55	11.06	10.87	10.80	10.83	10.54
30	6.60	7.61	7.54	7.52		7.66	10.23	10.84	10.75	10.82	10.65	10.19
31	7.69		7.50	7.56		7.25		10.74		10.57	10.70	

Mean												
Acres												
Feet												

YEAR OR PERIOD _____ MEAN _____
ACRES-FEET _____

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							0	32	60	61		
2							0	32	60	61		61
3							0	33	60	61	61	61
4							0	38	60	61	61	61
5							0	42	60	61	61	61
6							0	43	60	61	61	61
7							0	43	60	61	61	61
8							0	47	60	61	61	61
9							0	47	60	61	61	61
10							0	51	60	61	61	61
11							0	60	60	61	61	61
12							0	60	60	61	61	61
13							0	60	60	61	61	61
14							0	60	60	61	61	61
15							0	60	60	61	61	61
16							0	60	60	61	61	61
17							0	60	60	61	61	61
18							0	60	60	61	61	61
19							0	60	60	61	61	61
20							0	60	60	61	61	61
21							0	60	60	61	61	61
22							0	60	60	61	61	61
23							0	60	60	61	61	54
24							0	60	60	61	61	43
25							0	60	60	61	61	43
26							21	60	60	61	61	0
27							25	60	61	61	61	0
28							32	60	61	61	61	0
29							32	60	61	61	61	0
30							32	60	61	61	61	0
31								60		61	61	

Dry October to March

MEAN							5.00	55.0	60.2	61.0	61.0	47.4
ANNUAL							345	5,330	5,500	5,700	5,700	5,500
PERCENT												

YEAR
or
BASELINE

MEAN 54.2

ANNUAL 17,600

SECRET

1968-1970

[illegible]

Oct 1902 to March

[illegible]

68.7 45,400

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	42	58	64	74	8		0	515	539	1170	1090	810
2	58	64	74	8	0		0	505	840	1170	1090	800
3	64	74	8	0	0		0	497	850	1170	1070	780
4	74	8	0	0	0		0	540	880	1160	1050	760
5	8	0	0	0	0		0	583	880	1160	1040	750
6	47	8	0	0	0		0	560	860	1140	1040	800
7	46	25	25	0	0		0	550	850	1150	1040	800
8	41	25	0	0	0		0	670	945	1140	1020	810
9	42	550	0	0	0		0	660	945	1130	1020	820
10	17	598	0	0	0		0	640	945	1130	1020	810
11	0	586	0	0	0		0	680	935	1130	1010	810
12	0	280	0	0	0		0	670	935	1130	1000	810
13	0	0	0	0	0		0	660	925	1130	1000	810
14	0	0	0	0	0		0	640	925	1130	960	810
15	0	0	0	0	0		0	660	925	1130	950	800
16	0	0	0	0	0		0	660	925	1140	950	820
17	0	0	0	0	0		0	680	925	1140	940	820
18	0	0	0	0	0		0	660	925	1140	930	800
19	0	0	0	0	0		0	720	930	1140	910	800
20	0	0	0	0	0		0	740	1030	1140	910	790
21	0	0	0	0	0		0	775	1070	1140	900	780
22	0	0	0	0	0		0	720	1070	1150	890	780
23	0	0	0	0	0		0	750	1080	1170	880	790
24	0	0	0	0	0		0	800	1090	1170	870	780
25	0	0	0	0	0		0	810	1150	1170	850	780
26	0	0	0	0	0		0	810	1150	1170	840	780
27	0	0	0	0	0		36	850	1160	1170	830	770
28	0	0	0	0	0		165	1040	1180	1170	820	750
29	0	0	0	0	0		550	1800	1180	1170	800	720
30	0	0	0	0	0		530	870	1360	1110	800	810
31	0	0	0	0	0		820	820	1090	1090	810	0

Dry
December to March

1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	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Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	715	0	0	0	0	0	410	520	500	860	900
2	0	698	0	0	0	0	0	412	520	520	860	900
3	0	708	0	0	0	0	0	412	520	400	860	880
4	0	725	0	0	0	0	0	412	520	410	860	880
5	0	725	0	0	0	0	0	412	520	770	860	880
6	0	720	0	0	0	0	0	480	540	760	860	880
7	0	735	0	0	0	0	0	480	550	760	860	880
8	0	737	0	0	0	0	0	500	555	760	860	880
9	0	800	0	0	0	0	0	490	555	770	860	880
10	0	0	0	0	0	0	0	490	555	770	860	880
11	0	0	0	0	0	0	250	460	555	770	860	880
12	0	0	0	0	0	0	594	490	555	770	860	880
13	0	0	0	0	0	0	598	500	555	760	860	880
14	0	0	0	0	0	0	596	520	555	760	860	880
15	0	0	0	0	0	0	596	500	555	770	860	880
16	0	0	0	0	0	0	532	490	555	770	860	880
17	0	0	0	0	0	0	454	470	555	770	860	880
18	0	0	0	0	0	0	240	490	555	780	860	880
19	0	0	0	0	0	0	204	480	550	780	860	880
20	0	0	0	0	0	0	204	470	550	790	860	880
21	0	0	0	0	0	0	204	435	550	790	860	880
22	0	0	0	0	0	0	204	480	550	820	860	880
23	0	0	0	0	0	0	204	480	550	830	860	880
24	0	0	0	0	0	0	204	500	560	830	860	880
25	0	0	0	0	0	0	204	500	570	820	860	880
26	0	0	0	0	0	0	204	500	580	830	860	880
27	0	0	0	0	0	0	204	500	590	830	860	880
28	254	0	0	0	0	0	225	500	590	840	860	880
29	460	0	0	0	0	0	265	520	590	840	860	880
30	650	0	0	0	0	0	340	520	590	850	860	880
31	730	0	0	0	0	0	520	520	590	860	860	880

Dry December to March

Year	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907
Year	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907

Year 1897
 1898
 1899
 1900
 1901
 1902
 1903
 1904
 1905
 1906
 1907

For the year ending December 31, 1999

Year	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	891	697	460	478	588	2000	2530	2530	2530	2530
2	866	701	460	478	588	1900	2660	2660	2660	2660
3	875	707	460	478	588	1800	2740	2740	2740	2740
4	895	701	460	478	588	1800	2740	2740	2740	2740
5	898	677	460	465	585	1940	2780	2780	2780	2780
6	895	687	460	465	585	2050	2780	2780	2780	2780
7	895	697	460	465	585	2050	2780	2780	2780	2780
8	880	690	460	465	585	2180	2780	2780	2780	2780
9	855	684	460	465	585	2190	2780	2780	2780	2780
10	855	684	460	465	585	2190	2780	2780	2780	2780
11	889	684	460	465	585	2190	2780	2780	2780	2780
12	882	684	460	465	585	2190	2780	2780	2780	2780
13	862	687	465	465	585	2250	2780	2780	2780	2780
14	844	784	684	465	585	2250	2780	2780	2780	2780
15	858	784	684	465	585	2250	2780	2780	2780	2780
16	862	724	598	465	585	2210	2780	2780	2780	2780
17	866	694	578	465	585	2210	2780	2780	2780	2780
18	875	714	550	464	585	2210	2780	2780	2780	2780
19	878	714	465	465	585	2210	2780	2780	2780	2780
20	858	707	460	460	581	2240	2780	2780	2780	2780
21	1028	707	465	445	569	2250	2780	2780	2780	2780
22	1068	701	454	472	582	2150	2780	2780	2780	2780
23	1360	715	448	469	412	2150	2780	2780	2780	2780
24	1610	721	460	475	497	2450	2780	2780	2780	2780
25	802	707	457	472	521	2570	2780	2780	2780	2780
26	0	704	454	469	521	2570	2780	2780	2780	2780
27	0	707	454	472	521	2570	2780	2780	2780	2780
28	0	707	457	478	556	2570	2780	2780	2780	2780
29	0	707	457	478	556	2570	2780	2780	2780	2780
30	0	697	460	475	556	2570	2780	2780	2780	2780
31	0	0	0	0	0	2570	2780	2780	2780	2780

Year	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1999	891	697	460	478	588	2000	2530	2530	2530	2530
2000	866	701	460	478	588	1900	2660	2660	2660	2660
2001	875	707	460	478	588	1800	2740	2740	2740	2740
2002	895	701	460	478	588	1800	2740	2740	2740	2740
2003	898	677	460	465	585	1940	2780	2780	2780	2780
2004	895	687	460	465	585	2050	2780	2780	2780	2780
2005	880	690	460	465	585	2180	2780	2780	2780	2780
2006	855	684	460	465	585	2190	2780	2780	2780	2780
2007	855	684	460	465	585	2190	2780	2780	2780	2780
2008	889	684	460	465	585	2190	2780	2780	2780	2780
2009	882	684	460	465	585	2190	2780	2780	2780	2780
2010	862	687	465	465	585	2250	2780	2780	2780	2780
2011	844	784	684	465	585	2250	2780	2780	2780	2780
2012	858	784	684	465	585	2250	2780	2780	2780	2780
2013	862	724	598	465	585	2210	2780	2780	2780	2780
2014	866	694	578	465	585	2210	2780	2780	2780	2780
2015	875	714	550	464	585	2210	2780	2780	2780	2780
2016	878	714	465	465	585	2210	2780	2780	2780	2780
2017	858	707	460	460	581	2240	2780	2780	2780	2780
2018	1028	707	465	445	569	2250	2780	2780	2780	2780
2019	1068	701	454	472	582	2150	2780	2780	2780	2780
2020	1360	715	448	469	412	2150	2780	2780	2780	2780
2021	1610	721	460	475	497	2450	2780	2780	2780	2780
2022	802	707	457	472	521	2570	2780	2780	2780	2780
2023	0	704	454	469	521	2570	2780	2780	2780	2780
2024	0	707	454	472	521	2570	2780	2780	2780	2780
2025	0	707	457	478	556	2570	2780	2780	2780	2780
2026	0	707	457	478	556	2570	2780	2780	2780	2780
2027	0	707	457	478	556	2570	2780	2780	2780	2780
2028	0	707	457	478	556	2570	2780	2780	2780	2780
2029	0	707	457	478	556	2570	2780	2780	2780	2780
2030	0	697	460	475	556	2570	2780	2780	2780	2780
2031	0	0	0	0	0	2570	2780	2780	2780	2780

Year 1999
Mean 1.000
Acres-Feet 985,000

Day	Dec.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Avg.	Sept.
1	1850	772	749	756	762	749	661	615	3300	3310	3330	3570
2	1820	815	756	762	749	636	636	658	3200	3390	3370	3570
3	1770	858	782	749	749	615	879	3240	3400	3420	3600	3580
4	1780	782	749	749	749	615	879	3240	3370	3430	3600	3570
5	1770	695	740	746	746	571	952	3160	3370	3570	3620	3450
6	1750	658	746	746	746	568	952	3160	3370	3570	3620	3450
7	1750	655	759	746	746	568	1080	3370	3400	3550	3640	3500
8	1750	655	740	746	746	548	1130	3400	3520	3540	3650	3430
9	1730	670	740	746	746	548	1170	3330	3520	3540	3650	3430
10	1710	679	740	746	746	545	1150	3210	3530	3550	3600	3350
11	1600	667	740	746	746	523	1160	3250	3350	3540	3630	3270
12	1260	658	740	746	746	487	1160	3320	3350	3520	3680	3100
13	1030	667	740	746	746	526	1180	3300	3340	3520	3680	2950
14	1200	667	740	746	746	528	1180	3230	3350	3570	3660	2790
15	1210	655	740	746	746	520	1170	3190	3430	3610	3660	2760
16	1180	714	736	736	736	523	1170	3170	3440	3550	3650	2790
17	1180	752	736	736	736	540	506	3140	3440	3530	3610	2730
18	1190	759	736	736	736	528	115	3060	3440	3610	3630	2620
19	1170	752	736	736	736	517	504	3100	3440	3570	3720	2530
20	1130	746	736	736	736	514	1530	3080	3420	3580	3690	2230
21	1120	749	736	736	736	523	1770	3060	3390	3610	3710	2070
22	1120	749	736	736	736	537	1280	2980	3570	3590	3690	2060
23	346	749	736	736	736	534	1610	3060	3400	3630	3570	2080
24	128	752	736	736	736	534	2090	3230	3410	3600	3520	2090
25	190	749	736	736	736	540	2450	3160	3430	3600	3620	2100
26	476	740	736	736	736	540	2600	3140	3430	3600	3630	2030
27	910	746	736	736	736	531	2790	3150	3470	3600	3610	1900
28	775	746	736	736	736	531	3110	3400	3590	3620	3610	1730
29	670	746	736	736	736	534	3210	3400	3580	3620	3610	1570
30	652	746	736	736	736	562	3120	3310	3580	3630	3610	1520
31	679	746	736	736	736	597	3270	3310	3540	3630	3610	1520

1,190	724	740	736	726	550	1,430	3,210	3,360	3,540	3,630	2,730
72,800	43,100	45,500	45,300	40,500	33,800	85,100	197,000	201,000	218,000	223,000	162,000

1 YEAR
MEAN 1,680
AGREEMENT 1,370,000

Oct. Nov. Dec. Jan. Feb. Mar. Apr. May June July Aug.

579	622	103	314	948	1180	1420	416	54	14	35	10	11
244	244	43	486	1030	1350	1420	113	35	17	40	10	10
229	229	760	1270	1350	1420	1420	60	39	15	40	10	10
402	402	326	444	1130	1530	1530	58	36	14	11	10	10
593	593	320	395	1590	1060	1570	133	33	14	10	10	10
603	603	812	506	1690	1010	1590	922	41	15	11	10	10
383	383	931	383	1500	1470	1440	356	99	15	10	10	10
270	270	354	298	1300	1830	1090	922	160	15	12	10	10
226	226	621	603	1040	1510	1070	818	25	15	10	10	11
264	264	968	942	1100	1730	1160	766	22	16	10	10	10
398	398	963	802	1060	1900	1100	662	22	18	10	9	10
383	383	1180	672	875	1500	805	1680	21	19	12	10	10
249	249	875	672	885	1520	1470	1290	19	18	10	10	10
254	254	812	1350	885	1320	1900	1460	17	15	10	10	10
272	272	472	2300	745	1320	1890	307	15	15	41	10	10
283	283	451	3290	637	1380	1020	67	13	16	10	10	10
303	303	486	3670	788	1250	1230	96	13	16	10	10	12
283	283	667	2620	1370	1250	1250	1110	13	15	10	10	11
272	272	486	1820	1280	1120	859	1080	14	15	10	10	10
149	149	441	2220	1120	1210	327	131	14	13	10	10	10
22	22	432	1800	1130	986	922	539	13	11	10	10	10
160	160	444	1520	1130	1010	1010	184	14	11	10	10	10
368	368	510	2420	1130	506	506	117	14	10	10	10	10
1010	1010	556	2760	1240	561	561	116	14	10	10	10	10
1630	1630	539	1620	1130	579	579	114	13	10	10	10	10
1570	1570	432	1370	1130	483	483	109	13	10	10	10	10
1130	1130	428	1340	1130	320	320	89	21	11	10	10	10
506	506	428	1390	1160	167	167	57	19	10	10	10	10
111	111	389	1060	1130	588	588	46	16	10	10	10	10

428	585	1,380	1,380	1,050	472	28.9	14.0	14.6	9.97	10.3
26,900	31,200	61,800	68,900	73,500	64,600	28,100	1,780	825	898	613

MEAN 524
ACQU-PEET 280,000

DAY	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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1											479	17
2											472	16
3											479	16
4											479	16
5											415	15
6											510	15
7											281	15
8											279	15
9											212	15
10											175	15
11											258	15
12											292	15
13											296	15
14											232	65
15											197	66
16											194	66
17											192	65
18											190	65
19											206	65
20											208	64
21											208	63
22											461	62
23											479	59
24											481	58
25											479	58
26											481	58
27											481	58
28											476	58
29											470	58
30											474	58
31											474	58

Gates at Henrys Lake closed Oct 1-July 6

8

10

MEAN	194	297	18,500	11,900	2,560
AGRA-First					
Year or Period					
Mean					

Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	417	862	473	367	797	940	473	862	417	417	417
2	417	884	457	377	776	963	457	884	457	417	417
3	417	895	457	387	819	986	457	895	457	417	417
4	417	852	457	396	797	986	457	852	457	417	417
5	417	852	440	392	929	940	440	852	440	417	417
6	418	746	440	389	841	917	440	746	440	418	418
7	420	684	490	385	797	895	490	684	490	420	420
8	422	684	473	381	735	852	473	684	473	422	422
9	424	588	542	377	694	808	542	588	542	424	424
10	424	570	675	381	572	808	675	570	675	424	424
11	424	665	675	381	367	808	675	665	675	424	424
12	424	665	715	381	367	808	715	665	715	424	424
13	490	607	735	381	367	756	735	607	735	490	490
14	490	588	694	381	367	756	694	588	694	490	490
15	490	570	655	381	367	963	735	655	570	490	490
16	481	570	735	381	381	1320	694	735	570	481	481
17	481	552	776	381	396	1050	655	776	552	481	481
18	465	552	776	381	381	917	616	776	552	465	465
19	465	602	756	381	367	808	579	756	602	465	465
20	465	588	776	381	381	787	561	776	588	465	465
21	465	597	819	381	381	841	524	819	597	465	465
22	465	440	873	381	440	929	506	873	440	465	465
23	465	424	873	381	473	862	490	873	424	465	465
24	481	473	873	381	506	819	473	873	473	481	481
25	465	440	862	376	597	841	473	862	440	465	465
26	465	424	862	372	735	841	473	862	424	465	465
27	465	424	862	367	929	841	473	862	424	465	465
28	465	424	862	367	1180	841	473	862	424	465	465
29	465	424	862	367	1020	862	473	862	424	465	465
30	465	424	862	367	1020	862	473	862	424	465	465
31	465	424	862	367	1020	862	473	862	424	465	465

Year	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	3000
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Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	729	729	712	759	718	776	701	1440	1420	855	1240	755
2	724	755	718	741	718	776	701	1580	1410	857	1280	795
3	724	747	718	735	718	776	712	1410	1410	851	1250	755
4	724	729	684	729	718	776	718	1410	1400	824	1200	755
5	724	755	654	692	718	764	712	1510	1570	818	1200	755
6	724	782	602	710	710	770	784	1460	1510	818	1140	747
7	741	741	550	480	451	764	741	1570	1270	818	1040	741
8	759	755	500	451	710	764	718	1510	1250	824	1050	747
9	755	764	425			741	701	1220	1220	855	1010	759
10	741	729	755			741	689	1180	1190	855	918	747
11	741	706	759	718	741	741	706	1130	1170	859	908	741
12	747	741	759	695	729	729	701	1140	1150	885	898	741
13	747	741	759	706	712	729	695	1160	1160	1018	1018	741
14	741	729	755	729	729	729	695	1250	1130	950	950	755
15	741	706	755	729	729	729	706	1500	1110	1070	951	824
16	741	759	755	718	729	729	724	1420	1080	918	918	818
17	759	741	755	706	706	729	755	1640	1040	905	905	754
18	759	729	741	718	729	729	764	1500	1020	985	985	782
19	747	729	788	718	729	729	747	1410	957	938	938	728
20	741	729	788	706	729	729	747	1410	957	938	938	728
21	755	735	735	706	729	729	747	1410	934	912	912	728
22	755	729	706	706	706	718	788	1490	805	924	880	770
23	755	701	765	718	718	718	845	1560	886	880	880	880
24	755	718	741	784	718	701	859	1460	868	776	880	880
25	735	755	735	724	701	701	964	1410	861	770	880	880
26	755	718	735	718	718	701	1100	1450	855	851	851	851
27	735	718	735	718	718	700	1200	1450	845	788	788	788
28	741	718	750	721	721	700	1520	1400	637	776	784	784
29	741	718	770	724	718	700	1490	1350	855	755	755	755
30	729	712	735	718	718	700	1590	1560	868	1200	755	755
31	729	712	724	718	718	700	1400	1400	868	1200	755	755

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	729	729	712	759	718	776	701	1440	1420	855	1240	755
2	724	755	718	741	718	776	701	1580	1410	857	1280	795
3	724	747	718	735	718	776	712	1410	1410	851	1250	755
4	724	729	684	729	718	776	718	1410	1400	824	1200	755
5	724	755	654	692	718	776	718	1510	1570	818	1200	755
6	724	782	602	710	710	770	784	1460	1510	818	1140	747
7	741	741	550	480	451	764	741	1570	1270	818	1040	741
8	759	755	500	451	710	764	718	1510	1250	824	1050	747
9	755	764	425			741	701	1220	1220	855	1010	759
10	741	729	755			741	689	1180	1190	855	918	747
11	741	706	759	718	741	741	706	1130	1170	859	908	741
12	747	741	759	695	729	729	701	1140	1150	885	898	741
13	747	741	759	706	712	729	695	1160	1160	1018	1018	741
14	741	729	755	729	729	729	695	1250	1130	950	950	755
15	741	706	755	729	729	729	706	1500	1110	1070	951	824
16	741	759	755	718	729	729	724	1420	1080	918	918	818
17	759	741	755	706	706	729	755	1640	1040	905	905	754
18	759	729	741	718	729	729	764	1500	1020	985	985	782
19	747	729	788	718	729	729	747	1410	957	938	938	728
20	741	729	788	706	729	729	747	1410	957	938	938	728
21	755	735	735	706	729	729	747	1410	934	912	912	728
22	755	729	706	706	706	718	845	1490	805	924	880	770
23	755	701	765	718	718	718	859	1460	886	776	880	880
24	755	718	741	784	718	701	964	1410	861	770	880	880
25	735	755	735	724	701	701	1100	1450	855	851	851	851
26	755	718	735	718	718	700	1200	1450	845	788	788	788
27	741	718	750	721	721	700	1520	1400	637	776	784	784
28	741	718	770	724	718	700	1490	1350	855	755	755	755
29	729	712	735	718	718	700	1590	1560	868	1200	755	755
30	729	712	724	718	718	700	1400	1400	868	1200	755	755

Year 1911
Mean 87.1
Acres 680,000

Oct	Nov	Dec	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1030	1040	1070	792	975	1100	988	2140	2260	1350	1810	1050
1030	1040	1040	1050	1060	1140	988	1960	2260	1150	1550	1070
1040	1040	1040	842	1050	1090	1090	2040	2180	1120	1510	1070
1040	1040	1040	1200	818	1260	988	2160	2100	1110	1500	1080
1040	1040	1040	978	1240	1000	1050	2200	2040	1110	1450	1050
1080	1080	1080	815	798	1140	1050	2100	1960	1110	1540	1040
1120	1120	1040	599	874	1080	1010	1870	1890	1180	1540	1040
1120	1120	1070	477	893	1080	1010	1700	1870	1160	1590	1070
1080	1080	1080	842	840	1080	836	1650	1810	1230	1200	1050
1070	983	913	1040	1140	861	962	1630	1780	1350	1280	1040
1050	935	1000	934	985	1110	975	1630	1720	1350	1280	1050
1050	972	972	971	1120	975	1700	1690	1690	1370	1310	1040
1050	1030	984	1060	1110	1650	1670	1650	1670	1380	1310	1030
1110	1040	981	769	1050	1070	1800	1580	1580	1370	1220	1150
1080	1040	971	1220	1040	1050	1110	2200	1560	1370	1220	1130
1000	1060	921	822	1090	1080	1180	2650	1690	1320	1220	1120
1150	1060	961	980	1050	1040	1220	2760	1630	1420	1280	1070
1150	1030	1060	1050	850	1040	1220	2450	1560	1400	1280	1050
1120	1120	1020	1050	1340	1030	1150	2350	1500	1420	1310	1020
1040	1020	1100	1120	1030	1120	1120	2350	1430	1400	1250	1080
1040	1040	1040	853	845	1030	1150	2450	1420	1260	1070	1070
1040	1040	1040	1310	1320	975	1380	2610	1570	1500	1250	1070
1040	1040	1070	1080	1070	975	1510	2520	1190	1530	1070	1220
1040	1040	1070	805	1030	1030	1510	2430	1540	1530	1070	1220
1040	1040	1070	982	776	975	1560	2370	1160	1530	1150	1180
1040	1040	1050	1050	1290	988	1650	2160	1160	1530	1110	1130
1040	1040	900	900	900	975	1740	2160	1160	1530	1090	1070
1040	1040	1080	1080	1080	1010	2740	2140	1190	1480	1070	1040
1030	1030	795	988	1100	988	2560	2140	1160	1480	1080	1040

[illegible]

For this year ending September 30, 1900

Day	Dec.	Nov.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							2600	3860	1260	709	599
2							2600	3550	1090	745	632
3							2540	3540	684	781	607
4							2570	3540	607	783	607
5							2570	3540			
6							3370	3570	583	787	583
7							3400	3570	559	700	575
8							2160	3310	709	700	583
9							1910	3260	800	683	754
10							1810	3730	819	615	819
11							1720	4010	859	640	859
12							1680	4310	754	700	859
13							1870	4530	745	700	859
14							2270	4560	709	700	909
15							2620	4750	674	658	1030
16							3000	4310	607	623	1090
17							3670	4420	875	615	1060
18							3860	4230	727	684	909
19							3730	3830	745	668	899
20							3610	3220	709	674	984
21							3700	2970	754	674	984
22							3980	2470	781	709	983
23							3980	2180	819	745	983
24							3700	2070	859	640	983
25							3840	1940	787	615	1280
26							3760	1890	709	692	1190
27							3580	1560	709	683	1030
28							3110	1350	709	683	1030
29							2970	1220	692	658	1020
30							3030	1180	700	640	1030
31							3400		883		

1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900

MEAN
ACR-PRE
500,000

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	885	1470	1550				1660	3320	3210	1310	391	498
2	775	1440	1580				1640	2470	3690	1310	418	467
3	755	1400	1590				1680	2240	3650	1080	458	458
4	750	1380					1740	2320	3390	852	485	438
5	715	1400					1740	2190	3140	745	472	422
6	705	1460					1740	2090	3010	680	462	418
7	730	1600					1750	2020	2840	630	436	404
8	858	1580					1750	1870	2820	600	413	400
9	1040	1600					1700	1650	2730	615	458	431
10	1130	1640					1660	1420	2880	610	494	552
11	1160	1650					1620	1340	3270	580	444	620
12	1210	1610					1580	1250	3740	557	418	660
13	1280	1730					1540	1250	4050	530	436	725
14	1290	1770					1500	1350	4400	516	408	775
15	1290	1630	1520				1470	1610	4740	490	404	819
16	1270	1680					1540	1890	4980	476	383	929
17	1200	1690					1760	2390	4750	462	375	1010
18	1190	1710					2030	3280	4640	440	371	934
19	1250	1710					2170	3660	4560	426	387	802
20	1200	1730					2050	3590	4200	418	408	841
21	1250	1730					1810	3530	3610	418	422	880
22	1300	1760					1890	3760	2980	418	436	880
23	1360	1760					2000	4150	2440	413	490	852
24	1370	1630					2300	4190	2000	458	521	868
25	1350	1550					2320	3840	1750	458	462	958
26	1390	1610					2130	3700	1650	408	456	1210
27	1450	1610					2160	3760	1380	400	503	1190
28	1480	1580					2390	3470	1250	391	498	1180
29	1460	1540					2920	2870	1340	387	521	1100
30	1510	1540					1730	2520	1260	383	512	970
31	1510						1710	2550		379	498	

Year	1,180	1,610	1,630	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600
Year	1,180	1,610	1,630	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600

Year 1,650
Nixan 1,180,000
Ague-Part 1,180,000

०५ मार्च १९७८

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4 94	4 49	4 56	4 49	4 70	4 00	3 88	9 10	2 500	1 570	5 02	4 70
2	4 94	4 49	4 70	4 86	4 00	4 00	4 00	8 70	2 800	1 150	5 82	4 79
3	4 94	4 49	4 78	4 78	4 00	4 00	4 00	8 50	2 780	9 20	5 82	4 70
4	4 78	4 49	4 78	4 78	4 00	4 00	4 00	8 50	2 680	7 83	5 66	4 70
5	4 78	4 49	4 70	4 70	4 00	4 00	4 00	9 10	2 660	6 93	5 50	4 70
6	4 78	5 58	4 78	4 70	4 00	4 00	4 00	9 70	2 780	6 22	5 42	4 70
7	4 94	5 10	5 10	5 10	3 07	3 88	3 88	8 70	2 960	5 90	5 34	4 70
8	5 58	5 10	5 10	5 10	3 18	3 88	3 88	7 56	2 980	8 01	5 34	4 63
9	5 42	5 10	5 10	5 10	2 96	3 88	3 88	6 84	2 920	8 20	5 34	4 86
10	4 94	4 94	4 94	4 94	3 18	3 88	3 88	7 02	3 650	8 10	5 26	4 63
11	4 94	4 94	4 94	4 94	4 49	3 88	3 88	7 02	3 970	7 38	5 26	4 63
12	5 10	4 94	5 10	5 18	3 88	7 02	3 88	7 02	4 050	7 38	5 18	4 56
13	5 10	4 94	5 10	5 10	3 76	7 92	3 88	9 59	4 340	7 20	5 10	4 49
14	5 10	4 94	5 10	5 10	3 88	9 59	3 88	4 610	4 610	7 20	5 10	4 42
15	4 94	4 94	4 94	4 94	3 76	1 00	3 88	1 100	4 960	7 02	5 10	4 63
16	4 94	4 94	4 94	4 94	3 64	1 510	4 28	1 510	4 510	7 02	5 10	4 86
17	4 94	5 26	4 94	5 02	3 64	1 620	4 56	1 620	4 230	7 02	5 02	4 70
18	4 94	5 34	5 34	5 02	3 64	1 620	5 02	1 620	4 320	5 18	5 02	4 00
19	4 94	5 18	5 18	5 02	3 88	1 590	4 86	1 590	4 500	5 82	5 02	4 42
20	4 49	5 34	5 34	5 18	4 00	1 700	4 70	1 700	3 890	5 66	5 18	4 42
21	4 49	5 18	5 18	5 02	4 14	2 000	5 18	2 000	3 440	5 66	5 02	4 35
22	4 63	5 02	5 02	5 02	4 14	2 310	6 14	2 310	3 160	5 66	5 02	4 35
23	4 63	4 86	4 86	4 70	4 00	2 030	6 66	2 030	2 970	5 50	5 02	4 14
24	4 63	5 02	5 02	4 94	3 94	1 920	7 20	1 920	2 940	5 50	4 94	4 70
25	4 63	4 86	4 86	4 70	3 88	2 090	7 56	2 090	2 060	5 34	5 02	6 30
26	4 49	4 70	4 70	4 70	3 88	2 280	8 10	2 280	2 060	5 26	5 66	4 70
27	4 49	4 70	4 70	4 70	3 88	2 090	9 70	2 090	1 810	5 18	5 18	4 86
28	4 63	4 70	4 70	4 70	4 14	1 860	1 050	1 860	1 810	5 10	5 02	4 42
29	4 63	4 86	4 86	4 86	4 14	2 030	1 460	2 030	1 720	5 10	5 02	4 42
30												
31												

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80	81	82	83	84
85	86	87	88	89	90	91	92	93	94	95	96
97	98	99	100	101	102	103	104	105	106	107	108
109	110	111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130	131	132
133	134	135	136	137	138	139	140	141	142	143	144
145	146	147	148	149	150	151	152	153	154	155	156
157	158	159	160	161	162	163	164	165	166	167	168
169	170	171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190	191	192
193	194	195	196	197	198	199	200	201	202	203	204
205	206	207	208	209	210	211	212	213	214	215	216
217	218	219	220	221	222	223	224	225	226	227	228
229	230	231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250	251	252
253	254	255	256	257	258	259	260	261	262	263	264
265	266	267	268	269	270	271	272	273	274	275	276
277	278	279	280	281	282	283	284	285	286	287	288
289	290	291	292	293	294	295	296	297	298	299	300
301	302	303	304	305	306	307	308	309	310	311	312
313	314	315	316	317	318	319	320	321	322	323	324
325	326	327	328	329	330	331	332	333	334	335	336
337	338	339	340	341	342	343	344	345	346	347	348
349	350	351	352	353	354	355	356	357	358	359	360
361	362	363	364	365	366	367	368	369	370	371	372
373	374	375	376	377	378	379	380	381	382	383	384
385	386	387	388	389	390	391	392	393	394	395	396
397	398	399	400	401	402	403	404	405	406	407	408
409	410	411	412	413	414	415	416	417	418	419	420
421	422	423	424	425	426	427	428	429	430	431	432
433	434	435	436	437	438	439	440	441	442	443	444
445	446	447	448	449	450	451	452	453	454	455	456
457	458	459	460	461	462	463	464	465	466	467	468
469	470	471	472	473	474	475	476	477	478	479	480
481	482	483	484	485	486	487	488	489	490	491	492
493	494	495	496	497	498	499	500	501	502	503	504
505	506	507	508	509	510	511	512	513	514	515	516
517	518	519	520	521	522	523	524	525	526	527	528
529	530	531	532	533	534	535	536	537	538	539	540
541	542	543	544	545	546	547	548	549	550	551	552
553	554	555	556	557	558	559	560	561	562	563	564
565	566	567	568	569	570	571	572	573	574	575	576
577	578	579	580	581	582	583	584	585	586	587	588
589	590	591	592	593	594	595	596	597	598	599	600
601	602	603	604	605	606	607	608	609	610	611	612
613	614	615	616	617	618	619	620	621	622	623	624
625	626	627	628	629	630	631	632	633	634	635	636
637	638	639	640	641	642	643	644	645	646	647	648
649	650	651	652	653	654	655	656	657	658	659	660
661	662	663	664	665	666	667	668	669	670	671	672
673	674	675	676	677	678	679	680	681	682	683	684
685	686	687	688	689	690	691	692	693	694	695	696
697	698	699	700	701	702	703	704	705	706	707	708
709	710	711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730	731	732
733	734	735	736	737	738	739	740	741	742	743	744
745	746	747	748	749	750	751	752	753	754	755	756
757	758	759	760	761	762	763	764	765	766	767	768
769	770	771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790	791	792
793	794	795	796	797	798	799	800	801	802	803	804
805	806	807	808	809	810	811	812	813	814	815	816
817	818	819	820	821	822	823	824	825	826	827	828
829	830	831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850	851	852
853	854	855	856	857	858	859	860	861	862	863	864
865	866	867	868	869	870	871	872	873	874	875	876
877	878	879	880	881	882	883	884	885	886	887	888
889	890	891	892	893	894	895	896	897	898	899	900
901	902	903	904	905	906	907	908	909	910	911	912
913	914	915	916	917	918	919	920	921	922	923	924
925	926	927	928	929	930	931	932	933	934	935	936
937	938	939	940	941	942	943	944	945	946	947	948
949	950	951	952	953	954	955	956	957	958	959	960
961	962	963	964	965	966	967	968	969	970	971	972
973	974	975	976	977	978	979	980	981	982	983	984
985	986	987	988	989	990	991	992	993	994	995	996
997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008
1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020
1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032
1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044
1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056
1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068
1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080
1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092
1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104
1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116
1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128
1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140
1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152
1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164
1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176
1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188
1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200
1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212
1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224
1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236
1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248
1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260
1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272
1273	1274	1275	1276	1277	1278	1279	1280	1281	1282	1283	1284
1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	1296
1297	1298	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308
1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320
1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332
1333	1334	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344
1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356
1357	1358	1359	1360	1361	1362	1363	1364	1365	1366	1367	1368
1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380
1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392
1393	1										

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	78.2	68.1	71.2	77.0	65.1	19.60	82.0	20.60	9.66	5.91	6.26
2	61.6	66.6	71.2	71.2	68.9	22.90	9.24	21.00	8.85	7.12	6.16
3	53.7	53.7	71.2	71.2	68.9	22.90	9.24	21.00	8.85	7.12	6.16
4	51.8	51.8	71.2	71.2	68.9	22.90	9.24	21.00	8.85	7.12	6.16
5	51.3	51.3	68.6	68.6	65.4	19.60	82.0	20.60	9.66	5.91	6.26
6	50.4	50.4	61.6	61.6	58.0	18.50	82.0	20.60	9.66	5.91	6.26
7	48.4	48.4	58.1	58.1	54.8	18.50	82.0	20.60	9.66	5.91	6.26
8	48.4	48.4	58.1	58.1	54.8	18.50	82.0	20.60	9.66	5.91	6.26
9	49.9	49.9	63.1	63.1	58.1	16.40	82.0	20.60	9.66	5.91	6.26
10	51.3	51.3	68.1	68.1	58.1	18.50	82.0	20.60	9.66	5.91	6.26
11	49.9	49.9	68.6	68.6	65.4	19.60	82.0	20.60	9.66	5.91	6.26
12	54.2	54.2	68.6	68.6	65.4	19.60	82.0	20.60	9.66	5.91	6.26
13	56.1	56.1	68.6	68.6	65.4	19.60	82.0	20.60	9.66	5.91	6.26
14	56.1	56.1	68.6	68.6	65.4	19.60	82.0	20.60	9.66	5.91	6.26
15	52.3	52.3	56.1	56.1	50.4	25.50	71.2	25.50	71.2	56.1	52.3
16	51.3	51.3	56.1	56.1	50.4	25.50	71.2	25.50	71.2	56.1	51.3
17	49.0	49.0	55.1	55.1	50.2	25.60	70.2	25.60	70.2	55.1	49.0
18	48.5	48.5	55.6	55.6	69.2	25.40	67.6	25.40	67.6	55.6	48.5
19	48.0	48.0	64.1	64.1	66.1	21.70	66.1	21.70	66.1	64.1	48.0
20	46.4	46.4	68.1	68.1	66.1	19.50	66.1	19.50	66.1	68.1	46.4
21	45.7	45.7	65.1	65.1	63.6	18.90	63.6	18.90	63.6	65.1	45.7
22	45.8	45.8	64.6	64.6	63.6	18.90	63.6	18.90	63.6	64.6	45.8
23	45.7	45.7	58.6	58.6	63.1	14.40	63.1	14.40	63.1	58.6	45.7
24	46.6	46.6	55.1	55.1	63.6	13.80	63.6	13.80	63.6	55.1	46.6
25	51.8	51.8	54.7	54.7	62.1	12.20	62.1	12.20	62.1	54.7	51.8
26	53.7	53.7	56.6	56.6	60.6	11.50	60.6	11.50	60.6	56.6	53.7
27	51.8	51.8	58.1	58.1	60.6	10.80	60.6	10.80	60.6	58.1	51.8
28	49.9	49.9	58.1	58.1	60.6	10.80	60.6	10.80	60.6	58.1	49.9
29	48.4	48.4	63.6	63.6	13.20	10.70	63.6	13.20	10.70	63.6	48.4
30	48.4	48.4	63.6	63.6	13.20	10.70	63.6	13.20	10.70	63.6	48.4
31	51.3	51.3	68.1	68.1	66.1	19.50	66.1	19.50	66.1	68.1	51.3

Year	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890
Mean	51.1	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
Agave	51.1	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0

MEAN
Agave-Per
307,000

Portman River at Pocatello, Idaho

Daily discharge, in second-feet, of

for the year ending September 30, 1925

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	105	260	240	239	270	237	260	270	235	233	229	260
2	102	260	260	270	235	235	260	270	235	233	229	260
3	100	93	270	235	235	235	260	270	235	233	229	260
4	93	270	260	235	235	235	260	270	235	233	229	260
5	97	260	260	235	235	235	260	270	235	233	229	260
6	100	260	260	235	235	235	260	270	235	233	229	260
7	100	260	260	235	235	235	260	270	235	233	229	260
8	102	260	260	235	235	235	260	270	235	233	229	260
9	108	260	260	235	235	235	260	270	235	233	229	260
10	108	260	260	235	235	235	260	270	235	233	229	260
11	105	260	260	235	235	235	260	270	235	233	229	260
12	102	260	260	235	235	235	260	270	235	233	229	260
13	102	260	260	235	235	235	260	270	235	233	229	260
14	102	260	260	235	235	235	260	270	235	233	229	260
15	102	260	260	235	235	235	260	270	235	233	229	260
16	108	260	260	235	235	235	260	270	235	233	229	260
17	105	260	260	235	235	235	260	270	235	233	229	260
18	104	260	260	235	235	235	260	270	235	233	229	260
19	107	260	260	235	235	235	260	270	235	233	229	260
20	107	260	260	235	235	235	260	270	235	233	229	260
21	110	260	260	235	235	235	260	270	235	233	229	260
22	110	260	260	235	235	235	260	270	235	233	229	260
23	110	260	260	235	235	235	260	270	235	233	229	260
24	180	260	260	235	235	235	260	270	235	233	229	260
25	260	260	260	235	235	235	260	270	235	233	229	260
26	260	260	260	235	235	235	260	270	235	233	229	260
27	260	260	260	235	235	235	260	270	235	233	229	260
28	260	260	260	235	235	235	260	270	235	233	229	260
29	260	260	260	235	235	235	260	270	235	233	229	260
30	260	260	260	235	235	235	260	270	235	233	229	260
31	260	260	260	235	235	235	260	270	235	233	229	260

Mean	129	254	250	240	246	216	200	271	142	60.7	72.5	83.5
Acres-Feet	8,550	15,100	12,500	14,500	13,700	19,400	23,200	22,800	8,450	5,730	4,450	4,950

Year 211
Acres-Feet 153,000