



BARZILLA W. CLARK, GOVERNOR

PAUL L. HENRY
DEPUTY COMMISSIONER

STATE OF IDAHO
DEPARTMENT OF RECLAMATION

R. W. FARIS, COMMISSIONER

BOISE

February 1, 1938

HON. BARZILLA W. CLARK
Governor of Idaho
Boise, Idaho

Sir:

There is transmitted herewith the annual report of Lynn Crandall, watermaster and special deputy commissioner of reclamation of Water District No. 36, for the year 1937, covering his operations in the distribution and handling of water in that District in cooperation with the United States Geological Survey, the water users and this department.

I have not had an opportunity to read Mr. Crandall's report in full, but in view of the fact that not a single complaint has reached this office during the past season, I feel safe in assuring you that he has handled the distribution of water in his district in the same capable, efficient and economical manner as heretofore.

The water supply for this district was fairly adequate during the past irrigation season and better than average crops were produced. While prices for the various products were not entirely satisfactory, the increased production was, to some at least, a compensating feature.

Precipitation in the Upper Snake River Valley to date has been considerably above normal, and, with approximately 317,000 acre feet of water in storage in Jackson Lake, 1,130,000 acre feet in American Falls Reservoir and 66,000 in Lake Walcott, with anything like normal precipitation hereafter, an abundant water supply seems assured for next year's irrigation.

Very truly yours,

A handwritten signature in cursive script, reading 'R. W. Faris'.

R. W. FARIS,
Commissioner of Reclamation



STATE OF IDAHO

DEPARTMENT OF RECLAMATION

LYNN CRANDALL, WATERMASTER

IDAHO FALLS, IDAHO

WATER DISTRICT NO. 36

BARZILLA W. CLARK, GOVERNOR

R. W. FARIS, COMMISSIONER

January 1, 1938

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

Dear Sir:

I am transmitting herewith the annual report of water distribution on Snake River, in Water District No. 36 for the year 1937.

Under a cooperative agreement that has been in existence since 1919 the State of Idaho, the U. S. Geological Survey and the Snake River water users all contribute towards the cost of maintaining an office at Idaho Falls where the work of stream gaging and water distribution on Snake River is handled.

The river run-off in 1937 was somewhat below normal and a few of the canals suffered moderate shortages in water supply. Considering the district as a whole, however, the water supply was fairly adequate and there were no unusual difficulties encountered in its distribution.

The orderly and impartial distribution of water in the district has been made possible by the interest and cooperation in the work shown by the water users, individually and through the Committee of Nine, and by the faithful and efficient service of the various members of the operating organization. Your interest in the problems of the District is especially appreciated as also is the assistance rendered by W. V. Iorns and Effie C. Jones in the preparation of this report.

Very truly yours,

LYNN CRANDALL

Watermaster.

WATER DISTRIBUTION AND HYDROMETRIC WORK

WATER DISTRICT NO. 36

1937

By Lynn Crandall

Watermaster

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INTRODUCTION

The annual watermaster election of District No. 36 was held at Idaho Falls on March 1, 1937 at which time Lynn Crandall was elected as watermaster for the ensuing year and the following were elected as members of the advisory Committee of Nine:

W. O. Cotton, John E. Kelley, F. A. Miller,
E. H. Neal, Eph Ricks, Hyrum Seversen, N. V.
Sharp, R. E. Shepherd and Dana Templin (S. T.
Lowe, alternate).

The committee members subsequently elected Frank A. Miller chairman, E. H. Neal vice-chairman and John Lee, secretary.

The meeting unanimously adopted the report of the Resolutions Committee which included provisions for stored water transmission losses as follows: 2.5% Moran to Heise, 4.4% Heise to Lorenzo, 0.5% Lorenzo to Woodville, 6% Woodville to Blackfoot, 4% Henrys Lake to Island Park, 2% Island Park to Warm River, 0.5% Warm River to Ashton.

Pursuant to resolution adopted at the annual meeting the watermasters duties began on March 1, 1937 for a period of one year. He was also appointed Special Deputy Commissioner of Reclamation on June 3, 1937 to supervise the distribution of stored water in District 36 and on July 5, 1937 was instructed by the Commissioner of Reclamation to assume charge of water distribution in District 36C (Teton Basin) under the provisions of the original order creating that district.

The river run-off during 1937 was below normal at all stations, being 75% of normal at Moran and Heise stations, 63% of normal at Neeley and ranging from 66% to 93% of normal at various stations on Henrys Fork and tributaries. Due to large holdover from 1936, American Falls Reservoir filled on March 25, 1937 prior to the beginning of the irrigation season, and about 344,000 acre-feet of surplus water spilled past Milner from March 23 to May 31. The Idaho Power Co., by special permission of the U. S. Bureau of Reclamation, also discharged about 38,000 acre-feet of storage past Milner during the period Jan. 12-21 to meet a temporary power shortage, so that the total spill of surplus water past Milner for the year was 382,000 acre-feet.

Jackson Lake filled on June 18 by virtue of keeping the gates closed and storing water that should have been released to fill prior natural flow rights below American Falls. After crediting water so stored to the companies entitled to it, there remained 787,220 acre-feet of Jackson Lake water for allotment. This filled the bottom rights in full and 85% of the top rights. Henrys Lake yielded 27,469 acre-feet or 34% of its capacity.

The first cut on upper valley natural flow rights was made June 12 when flood water rights of 1916 priority were cut off, two weeks earlier than was the case in 1936. Rights throughout the season were cut to earlier priorities than on the same date in 1936, resulting in heavier storage drafts, particularly by upper valley canals. The low point was reached Sept. 20-23 when May 1, 1889 rights were cut off on the main river and Henrys Fork. Rights on Teton River were cut to 50% of June 1, 1884 priority after Aug. 20.

Ample supplies of stored water were available for rental at 50 cents per acre-foot by companies with a surplus above their own requirements. Some companies went on short water rations during the latter part of the season rather than purchase enough storage at this rate to give them a normal delivery, with some resultant shortage of crops, principally hay and pasture, under such canals. Taking the area of the District as a whole, however, an adequate water supply was delivered to 90% of the lands. Many of the shortages that occurred were on Henrys Fork and tributaries, where the situation can not be improved until completion of the Island Park Reservoir.

Weather conditions during the growing and harvest seasons were generally quite favorable with normal yields of most crops.

Storage deliveries ceased on Sept. 30, 1937 with holdovers at Jackson Lake of 232,020 acre-feet and at American Falls of 411,900 acre-feet, the combined holdovers in these reservoirs being 322,000 acre-feet less than on the same date a year before. Due to dry pleasant fall weather it was necessary to continue release of natural flow from Jackson Lake until Oct. 16, 1937 to fill requirements for fall irrigation above Blackfoot, on which date the Jackson Lake gates were closed and storage began for the 1938 season. Practically all available water in Henrys Lake down to the dead storage level was withdrawn by Sept. 30, 1937.

New measuring stations were installed in March 1937 on Snake River at the "Narrows" and Greys River near Alpine to secure records of water supply for the proposed "Narrows" reservoir. The cables and labor on installation were furnished by the Bureau of Reclamation. The Bureau of Reclamation continued for the third year its studies of inflow to the Island Park Reservoir. Water was turned through the diversion tunnel at the Island Park dam site on June 7, 1937 but owing to the large amount of ground-water inflow encountered at the dam site, when stripped, all of the summer and fall was devoted to grouting operations at the dam site, with the result of deferring construction of the dam itself for another year. Work was started on the Grassy Lake dam but the short working season there did not permit of its completion.

The Bureau of Reclamation made a detailed topographic survey of the "Narrows" dam site during the fall of 1937 to afford a basis for a cost estimate of a dam at that point. That Bureau made a filing with the Wyoming State Engineer during the past year on this site, which filing was held in abeyance by the State Engineer pending the negotiation of a water compact between Idaho and Wyoming.

The water compact committees appointed by the Governors of Wyoming and Idaho held several meetings during the year but were unable to agree upon any definite recommendations.

PERSONNEL

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

Lynn Crandall,	Watermaster & Special Deputy Commissioner of Reclamation.
W. V. Iorns,	Assistant Engineer.
Melvin Luke,	Hydrographer & Deputy Watermaster on Henrys Fork & tributaries.
L. K. Homer,	Hydrographer during irrigation season.
F. W. Tolles,	Hydrographer during irrigation season.
Effie C. Jones,	Clerk.
W. I. Nielsen,	Deputy Watermaster, Teton Basin.
Walter C. Lenz,	Deputy Watermaster, Upper Fall River.
D. W. Archibald,	Deputy Watermaster, Henrys Fork & Teton River.
D. R. Crystal	Deputy Watermaster, Heise Division.
H. M. Bramwell,	Deputy Watermaster, Rigby Division.
R. S. Boal,	Deputy Watermaster, Idaho Falls Division.
Eugene Liljenquist,	Deputy Watermaster, Blackfoot Division.
Dana Templin,	Deputy Watermaster, Minidoka Dam.
G. S. Gilham,	Deputy Watermaster, Milner Dam.
F. S. Thomas,	Deputy Watermaster, Swan Valley Dist.
A. W. Heath,	Supt. American Falls Dam.
B. B. Hill,	Supt. Jackson Lake Dam.

Reid Smith, Mrs. Levi Stone, C. C. Davidson, Mrs. Irvin Siepert, J. F. Johnson, D. R. Anthony, Mrs. Annie Fugal, J. A. Clough, T. E. Culley, A. J. Ayers, Leonard Walton, Fred H. Sweath and Mrs. Jos. E. Gillis, gage readers.

SNOW SURVEYS

The results of snow surveys on the Jackson Lake watershed during past years are shown in the following tabulation:

Table showing average snow depth and water equivalent on Jackson Lake watershed, in inches.

(Snow surveys made 14th-21st of each mo.)

<u>Year</u>	<u>January</u>		<u>February</u>		<u>March</u>		<u>April</u>	
	<u>Snow</u>	<u>Water</u>	<u>Snow</u>	<u>Water</u>	<u>Snow</u>	<u>Water</u>	<u>Snow</u>	<u>Water</u>
1919	36	8.1	45	12.0	52	16.8	49	18.4
1920	40	9.6	54	13.8	74	21.5	70	23.0
1921			63	17.9	65	20.6	56	21.3
1922	54	14.2	72	18.2	73	22.0	64	23.4
1923	43	11.3	51	15.6	64	20.7	54	23.0
1924	44	10.8	47	13.5	51	15.8	48	17.7
1925	50	12.8	66	24.0	75	25.9	50	21.9
1926	32	9.0	52	14.0	49	16.6	40	15.6
1927	66	18.5	75	27.0	82	33.0	85	36.0
1928	58	18.0	59	20.4	69	23.8	80	31.5
1929	37	8.8	60	16.5	61	20.2	62	22.0
1930	36	8.3	49	13.5	53	16.8	27	11.7
1931	25	5.2	30	6.2	35	8.4	27	8.9
1932	47	12.1	64	20.0	69	24.0	61	25.0
1933	46	10.8	67	18.8	67	21.6	62	24.0
1934	36	8.5	35	12.9	40	15.3	33	15.7
1935	51	12.2	46	14.3	52	17.9	60	23.8
1936	61	13.8	77	23.1	82	29.9	75	32.0
1937	39	8.4	60	16.2	60	19.7	61	24.3
Average, inches	44	11.1	56	16.7	62	20.5	56	22.0

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

The Jackson Lake snow surveys are made available by the U. S. Bureau of Reclamation, E. B. Hill, Reservoir Supt. at Jackson Lake. The same organization has made the following snow surveys on the Buffalo River watershed:

<u>Year</u>	<u>Depth in inches</u>			
	<u>Feb. 1 - 6</u>		<u>Mar. 23-29</u>	
	<u>Snow</u>	<u>Water</u>	<u>Snow</u>	<u>Water</u>
1924	40	11.5		
1925	53	15.7		
1926	46	13.2		
1927	47	13.7		
1928	47	13.9		
1929	42	11.0		
1930	44	11.3		
1931	19	4.5		
1932	38	9.9		
1933	38	11.0		
1934	30	8.6		
1935	44	12.0		
1936	49	12.8	67	23.0
1937	35	9.1	49	15.3

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

During the past two years snow measuring stations have been operated at various points on the watershed by the Bureau of Irrigation Investigations of the U. S. Dept. of Agriculture in cooperation with the Forest Service and Bureau of Reclamation.

Results of such measurements are shown in the following tabulation.

Depth in Inches

Station	Last of Dec.		Last of Jan.		Last of Feb.		Last of Mar.		Last of Apr.	
	<u>Snow</u>	<u>Water</u>	<u>Snow</u>	<u>Water</u>	<u>Snow</u>	<u>Water</u>	<u>Snow</u>	<u>Water</u>	<u>Snow</u>	<u>Water</u>
<u>Island Park</u>										
1936 Season	21	4.2	41	11.0	54	15.6	50	16.0		
1937 Season	25	3.0	44	9.0	51	14.6	48	14.5	33	12.0
<u>Big Springs</u>										
1936 Season	24	5.5	54	15.6	65	21.8	70	23.3		
1937 Season	26	3.4	52	10.5	63	17.6	59	20.2	41	17.3
<u>Valley View Ranch</u>										
1936 Season	22	5.0	-	-	-	-	58	19.8		
1937 Season	23	3.1	-	-	-	-	47	13.8	31	12.2
<u>Bechler Ranger Sta.</u>										
1936 Season	40	9.6	71	20.6	87	29.1	87	31.0		
1937 Season	26	4.5	59	13.1	72	22.3	68	24.8		
<u>Teton Pass</u>										
<u>Trail Creek</u>										
1936 Season	28	7.4	74	19.6	100	32.0	116	37.0		
1937 Season	-	-	41	11.4	62	20.0	72	24.2		
<u>State Line</u>										
<u>Trail Creek</u>										
1936 Season	21	4.0	49	11.4	66	21.0	75	28.0		
1937 Season	-	-	32	8.1	45	12.6	42	15.0		
<u>Camp Creek</u>										
<u>Mud Lake drainage</u>										
1936 Season	16	2.4	26	4.9	35	-	27	6.0		
1937 Season	32	3.6	34	6.3	31	8.5	39	10.8		
<u>East Rim</u>										
<u>Hoback</u>										
1936 Season	10	1.7	-	-	-	-	62	22.6		
1937 Season	17	2.8	-	-	-	-	38	12.2	35	12.9
<u>Bryan Flat</u>										
<u>Hoback</u>										
1936 Season	11	1.7	32	7.1	-	-	50	19.5		
1937 Season	14	2.3	19	4.9	33	8.1	30	10.2	14	5.6

Depth in Inches										
Station	Last of Dec.		Last of Jan.		Last of Feb.		Last of Mar.		Last of Apr.	
	Snow	Water	Snow	Water	Snow	Water	Snow	Water	Snow	Water
Greys Boundary										
Greys River										
1936 Season	-	-	38	9.3	46	15.0	50	18.9		
1937 Season	-	-	25	3.0	40	10.3	31	11.6		
Deadman Ranch										
Greys River										
1936 Season			36	9.6	58	19.1	77	24.8		
1937 Season	15	2.5	24	5.1	37	9.3	32	9.4		
Yellowjacket Flat										
Gros Ventre										
1936 Season	8	1.0	20	2.9	-	-	38	11.3		
1937 Season	9	1.2	13	2.3	22	4.3	20	6.4	10	2.9
Grover Park Divide										
Salt River										
1936 Season			46	12.6	46	15.8	69	19.6		
1937 Season	23	4.1	24	4.5	36	10.8	36	11.4		
C.C.C. Camp FF12										
Salt River										
1936 Season			35	10.7	53	17.1	65	22.7		
1937 Season	17	3.5	22	4.4	36	9.2	35	12.3		
Afton Ranger Sta.										
Salt River										
1936 Season			28	8.0	26	10.2	10	9.8		
1937 Season	11	2.4	13	2.4	19	4.5	7	2.9		
Cottonwood Lake										
Salt River										
1936 Season	-	-	-	-	-	-	79	28.5		
1937 Season							43	15.0		

The April 1937 snow survey on the Jackson Lake watershed showed a slightly greater water content than that existing on the same date on an average from 1919-37. It was only 76%, however, of the April 1936 results. Snow surveys at other stations on the watershed below Jackson Lake showed a water content at the end of March 1937 of less than 60%, on an average, of that existing on the same date a year before.

The river run-off for the 1937 year, corrected for Jackson Lake holdovers, was 75% of average at both Moran and Heise. In 1937 as in 1936 the precipitation during the snow melting month of May was less than half of normal over the watershed, thus contributing to a decreased run-off.

REGULATION SCHEDULE

The following schedule applies to the entire river during periods when rights of later than Oct. 11, 1900 priority are in effect. For earlier priorities it applies only to the section above American Falls reservoir, as spring inflow to the river below Blackfoot is always sufficient to partially fill Oct. 11, 1900 rights downstream even when the river is dry in the vicinity of Blackfoot. Natural flow deliveries to lower valley canals during the regulation period are shown by days on plates 12-13 incl.

1937 Regulation Schedule

June	12	Cut off rights later than May 24, 1913 priority.
"	21	Cut off rights later than 1905 priority.
"	24	Filled 25% Jan. 22, 1916 rights.
"	26	Cut off rights later than June 7, 1905.
"	29	Cut off rights later than Oct. 11, 1900.
July	5	Cut off rights later than Feb. 6, 1895.
"	6	Filled 2/3 of Feb. 6, 1895 right.
"	9	Filled Mar. 22, 1895 right.
"	10	Filled all 1895 rights.
"	12	Cut off rights later than Feb. 6, 1895.
"	13	Filled 75% Feb. 6, 1895.
"	14	Filled 40% Feb. 6, 1895.
"	15	Filled 20% Feb. 6, 1895.
"	16	Cut off Feb. 6, 1895 rights.
"	17	Cut off all 1895 rights.
"	18	Filled 50% Aug. 18, 1894 rights.
"	19	Cut off 1893 rights.
"	20	Cut off 1892 rights.
"	21	Filled 50% Dec. 14, 1891 rights.
"	22	Cut off June 1, 1891 rights.
"	23	Cut off all 1891 rights.
"	24	Cut off rights later than Oct. 16, 1890.
"	25	Cut off rights later than June 10, 1890.
"	26	Filled 50% June 10, 1890 right.
"	27	Cut off June 1, 1890 rights.
"	28	Cut off all 1890 rights.
Aug.	1	Filled June 1, 1890 rights.
"	2	Filled 50% June 10, 1890 right.
"	4	Cut off June 10, 1890 right.
"	6	Cut off all 1890 rights.
"	10	Cut off July 10, 1889 rights.
"	11	Cut off June 1, 1889 rights.
"	12	Filled 80% May 11, 1889 rights.
"	22	Filled 60% May 11, 1889 rights.
"	24	Filled 50% May 11, 1889 rights.
"	25	Filled 30% May 11, 1889 rights.
Sept.	1	Filled 20% May 11, 1889 rights.
"	3	Filled 10% May 11, 1889 rights.
"	4	Cut off May 11, 1889 rights.
"	6	Filled 10% May 11, 1889 rights.
"	8	Filled 20% May 11, 1889 rights.
"	9	Filled 40% May 11, 1889 rights.
"	17	Cut off May 11, 1889 rights.
"	20	Cut off May 1, 1889 rights.
"	24	Filled 10% May 11, 1889 rights.
"	27	Filled 20% May 11, 1889 rights.

The schedule of rights in effect on Henrys Fork and Teton River is shown separately in the chapter covering distribution on Henrys Fork.

After the end of September it proved possible to induce several of the canals with early rights to reduce their diversions sufficiently to provide stock water for all upper valley canals. River riders ceased work on Oct. 16, 1937 with a couple hundred second-feet spilling past Blackfoot after satisfying upstream needs. Substantial rains about the middle of November 1937 reduced canal diversions thereafter to stock-water requirements.

WATER SUPPLY

Conforming to results indicated by the snow surveys the run-off of the river and its tributaries during 1937 was substantially less than in 1936.

Following is the run-off during the year ending Sept. 30, 1937 at several typical stations.

1937 Run-off in acre-feet

<u>Station</u>	<u>1937 run-off</u>	<u>Average run-off</u>	<u>1937 percent of average.</u>
Snake River nr. Moran	779,400	1,045,000(34 years)	75
Snake River nr. Heise	3,812,060	5,090,000(34 years)	75
Snake River at Neeley	3,682,710	5,880,000(41 years)	63
Henrys Fork at Warm River	598,920	725,000(23 years)	83
Henrys Fork near Rexburg	929,630	1,400,000(29 years)	66
Fall River near Squirrel	496,530	532,000(23 years)	93
Teton River near St. Anthony	410,600	516,300(10 years)	80

Run-off at Moran and Heise is corrected for holdovers at Jackson Lake. Run-off at Neeley is corrected for holdovers at American Falls.

The annual run-off at Moran and Neeley during years of record is shown on plates 4 and 5.

Surplus water spilled past Milner during the year in excess of the Idaho Power Co. regular rights amounted to 382,000 acre-feet of which about 150,000 acre-feet could have been retained at Island Park and Grassy Lake if those reservoirs had been completed.

The maximum daily discharge at Heise during 1937 was 17,400 second-feet compared to 28,600 second-feet in 1936. River flows in 1937 were not high enough to cause any appreciable flood damage.

TRANSFERS AND EXCHANGES

The following permanent transfers were made during the year after advertising and hearing before the Commissioner of Reclamation as provided by the Idaho Statutes.

Transfer No. 577.- 0.84 sec. ft. June 1, 1885 and 1.36 sec.-ft. June 1, 1888 from East Labelle Canal to Farmers Friend Canal.

Transfer No. 579.- 1.16 sec.-ft. June 1, 1886 from Long Island Canal to Nelson Ditch.

Transfer No. 581.- 1.69 sec.-ft. June 1, 1879 from Woodmansee-Johnson canal to Teton Island Feeder Canal.

Transfer No. 583.- 3.0 sec.-ft. June 1, 1883 from Nielson-Hansen ditch to New Sweden Canals.

Natural flow rights were exchanged for American Falls storage owned and rented by various canals on Henrys Fork and tributaries as this is the only way that such water can be made available. During periods of shortage a few temporary transfers for short periods between neighboring canals, particularly in the Henrys Fork area, were permitted where it was apparent that no injuries to other users would result. Several upper valley canals were allowed to cut dry at times

during the latter part of the season, trading 90% of the water so cut out for storage to draw later in larger heads, thus permitting a more efficient use of their available supply. These canals have rights of varying priority and when their later rights have been cut off, those remaining are insufficient to deliver usable heads of water to the farmers. Storage owned by such canals is insufficient in most years to permit continuous draft of normal heads of water and they find it necessary to shut off entirely at intervals and then draw a normal supply for a while and are thus enabled to make a better use of the water. All these temporary transfers and exchanges were of minor extent and none were allowed until after the flood period was past and rights were cut to priorities earlier than any rights below Blackfoot.

LITIGATION

The case of Henry Hill and J. M. Hohnen vs. Crandall was tried in the District Court and decree rendered on May 28, 1937 awarding the 1st plaintiff 3.6 sec.-ft. from Bear Creek dated June 1, 1890 and the 2nd plaintiff 6.4 sec.-ft. from Indian Creek dated June 1, 1897.

A half dozen summary suits were filed late in 1937 by various canal companies and water-users in Teton Basin against the watermaster, seeking to acquire flood water rights of 1916 priority, of the same date as those awarded various canals on the main river in the Woodville suit. The water users in Teton Basin were originally decreed rights of one inch per acre in the Rexburg decree of 1910. They subsequently enlarged their canals and during the brief flood water period have diverted water at a rate of probably twice that awarded them in the Rex-

burg decree. They were not parties to the Woodville case and now are seeking to acquire a flood water right similar to that awarded the Snake River canals in the Woodville decree.

The suit by lower users on Teton River against users on tributaries in Wyoming is still pending and has not yet been tried.

Suit by the Burley Irrigation District vs. Secretary of the Interior relative to the winter water saving contract has not yet been tried.

The matter of an extension of time on the proposed project of T. W. White to divert water from Greys River in Wyoming for the irrigation of lands in Idaho and Wyoming near Alpine, Wyo. was heard before the Wyoming State Board of Control on Apr. 23, 1937, at which time the U. S. Bureau of Reclamation urged that the extension of time on the 1920 priority for this project be denied. The board however granted an extension of time but expressed their feeling that, unless construction work is prosecuted with due diligence within the next five years, further extensions of time should not be granted. At the request of the Bureau of Reclamation the U. S. Forest Service has refused to grant the promoter of this project a right of way for his canal across forest lands along Greys River.

CANAL DELIVERIES

Daily diversions from the main river between Heise and Blackfoot for the months May to September 1937 are shown on plates 6-10 incl. Diversions by canals below American Falls are shown for the entire year on plates 32-41 incl. Canals in the section between Heise and Blackfoot diverted no water, except for stock and domestic purposes, prior to May 1st.

The following tabulation shows the seasonal diversions, area under canal and acreage irrigated in 1937 under canals diverting from Snake River between Heise and Milner. A similar tabulation for canals in the Henrys Fork section is shown separately in the chapter covering distribution on Henrys Fork. The figures on area irrigated show the area to which water was delivered without deductions for roads, canals, buildings, waste or fallow land on individual farms, etc. Canals^{are} listed in downstream order from Heise gaging station.

Table showing diversions & irrigated area during 1937

Canal	Snake River canals			Diver- sions acre-ft. per acre irrigated
	Irr. Season diversions (acre-feet)	Area under canal (acres)	Area irri- gated 1937 (acres)	
Riley	4,210	880	840	5.0
Anderson & Eagle Rock	218,000 (a)	33,000	31,500	6.9
Farmers Friend	91,900	10,500	10,300	8.9
Enterprise	26,200	7,000	5,000	5.2
Nelson	234	80	50	4.7
Mattson Craig	2,920	650	400	7.3
Arnstberger	375	200	120	3.1
Ross and Rand	950	152	130	7.3
Butler Island	12,800	1,320	940	13.6
Steele	1,810	290	190	9.5
Harrison	87,000	16,000	16,000	5.4
Cheney	1,250	240	160	7.8
Rudy & Boomer	45,000	5,500	5,000	9.0
Kite & Nord	903	235	150	6.0
Burgess	175,000	23,000	20,000	8.8
Clark & Edwards	20,000	1,960	1,800	11.1
Lowder & Jennings	7,730	1,200	900	8.6
East Labelle	32,400	2,200	2,100	15.4
Sunnydell	26,100	3,500	3,320	7.8
Lenroot	30,400	4,000	3,800	8.0
Reid	32,000	5,500	4,500	7.1
Texas Feeder	63,700	9,000	7,500	8.5

<u>Canal</u>	<u>Irr. Season diversions (acre-ft.)</u>	<u>Area under canal (Acres)</u>	<u>Area irri- gated 1937 (Acres)</u>	<u>Diversions acre-ft. per acre</u>
Nelson-Corey	2,460	640	400	6.2
Hill-Pettinger	564	210	110	5.1
Rigby	44,900	4,000	4,000	11.2
Dilts	4,320	780	670	6.4
Island	29,400	3,400	3,000	9.8
W. Labelle, et al	113,000	9,000	8,500	13.3
Parks & Lewisville	83,000	7,000	7,000	11.8
North Rigby	13,900	1,250	1,200	11.5
White	857	250	175	4.9
Ellis	730	100	80	9.1
Bramwell	1,730	400	200	8.6
Butte & Market Lake	52,200	20,000	18,000	2.9
Osgood	28,700	7,000	6,200	4.6
Bear Isl. & Smith	550	240	160	3.4
Idaho	229,000	35,540	35,540	6.5
Kennedy	8,150	2,230	1,850	4.4
Gt. Western & Porter	150,000	26,000	25,400	5.9
Coy	268	40	40	6.7
Woodville	15,100	3,000	3,000	5.0
Snake R. Valley	149,000	25,000	22,000	6.8
Reservation	168,170 (b)	60,000	32,200	5.2
Blackfoot	77,500	15,000	13,000	6.0
New Lava Side	31,100	6,000	5,100	6.1
Peoples	106,000	20,000	16,000	6.6
Aberdeen	255,000	62,298	55,000	4.6
Corbett	32,700	7,900	7,000	4.7
Nielsen-Hansen	2,650	640	600	4.4
Riverside	29,600	5,000	4,000	7.4
Danskin	53,100	6,000	6,000	8.9
Trego	11,900	1,750	1,600	7.4
Wearyrick	13,300	1,540	1,500	8.9
Watson	27,400	4,880	4,800	5.7
Parsons	5,750	900	875	6.6
No. Minidoka	412,540	62,000	54,000	7.6
So. Minidoka	308,800	54,000	50,000	6.2
No. Side Canal Co.	973,580	170,000	155,000	6.3
Twin Falls Canal Co.	1,004,460	202,660	202,660	5.0
Milner Low Lift	41,310	8,509	8,450	4.9
Gooding	321,920	88,200	52,300	6.2

Total (exclusive of

<u>Canal</u>	<u>Irr. Season diversions (acre-ft.)</u>	<u>Area under canal (Acres)</u>	<u>Area irri- gated 1937 (Acres)</u>	<u>Diversions acre-ft. per acre</u>
Nelson-Corey	2,460	640	400	6.2
Hill-Pettinger	564	210	110	5.1
Rigby	44,900	4,000	4,000	11.2
Dilts	4,320	780	670	6.4
Island	29,400	3,400	3,000	9.8
W. Labelle, et al	113,000	9,000	8,500	13.3
Parks & Lewisville	83,000	7,000	7,000	11.8
North Rigby	13,900	1,250	1,200	11.5
White	857	250	175	4.9
Ellis	730	100	80	9.1
Bramwell	1,730	400	200	8.6
Butte & Market Lake	52,200	20,000	18,000	2.9
Osgood	28,700	7,000	6,200	4.6
Bear Isl. & Smith	550	240	160	3.4
Idaho	229,000	35,540	35,540	6.5
Kennedy	8,150	2,230	1,850	4.4
Gt. Western & Porter	150,000	26,000	25,400	5.9
Coy	268	40	40	6.7
Woodville	15,100	3,000	3,000	5.0
Snake R. Valley	149,000	25,000	22,000	6.8
Reservation	168,170 (b)	60,000	32,200	5.2
Blackfoot	77,500	15,000	13,000	6.0
New Lava Side	31,100	6,000	5,100	6.1
Peoples	106,000	20,000	16,000	6.6
Aberdeen	255,000	62,298	55,000	4.6
Corbett	32,700	7,900	7,000	4.7
Nielsen-Hansen	2,650	640	600	4.4
Riverside	29,600	5,000	4,000	7.4
Danskin	53,100	6,000	6,000	8.9
Trego	11,900	1,750	1,600	7.4
Wearyrick	13,300	1,540	1,500	8.9
Watson	27,400	4,880	4,800	5.7
Parsons	5,750	900	875	6.6
No. Minidoka	412,540	62,000	54,000	7.6
So. Minidoka	308,800	54,000	50,000	6.2
No. Side Canal Co.	973,580	170,000	155,000	6.3
Twin Falls Canal Co.	1,004,460	202,660	202,660	5.0
Milner Low Lift	41,310	8,509	8,450	4.8
Gooding	321,920	88,200	52,200	6.2
Total (exclusive of Henry's Fork)	5,685,491	1,049,764	922,210	6.2

(a) Used some additional water from Willow Creek

(b) 75,600 from Snake River, balance from Blackfoot River
and Sand Creek.

The irrigation season as used in the preceding tabulation covers the months May to September for canals above American Falls and April to September for canals below American Falls. Additional water was used during October for fall irrigation, stock water, etc. Canals above American Falls diverted 171,000 acre-feet less than in 1936, while lower valley canals diverted 63,000 acre-feet less, a total reduction of 234,000 acre-feet below the 1936 figures.

Lower valley canals diverted 54% of the total diversions and upper valley canals 46%. A number of the canals above Blackfoot were rather short of water during August and September and were obliged to run on reduced heads or shut out entirely at intervals.

Canals above American Falls, excluding Henrys Fork, diverted 434,840 acre-feet of storage or 16.6% of their total diversions. Canals below American Falls used 1,407,304 acre-feet of storage or 45.8% of their total diversions.

The Idaho Power Co. carried 184,400 acre-feet of water past Milner during the year ending Sept. 30, 1937 for power use, of which 32,300 acre-feet was storage used during the latter part of the irrigation season and 152,100 acre-feet was drawn between Oct. 1, 1936 and Mar. 23, 1937 when water started to spill from American Falls overflow. Included in the 152,100 acre-feet are 38,000 acre-feet drawn Jan. 12-21, 1937 under an agreement that if American Falls Reservoir did not fill this amount of water would be charged to the Idaho Power Cos. primary right of 45,000 acre-feet. Inasmuch as the reservoir later filled it was not necessary to charge this water to the Power Cos. primary right.

The following tabulation has been prepared to show the water used in different sections of the District in 1937, in relation to normal use. Normal as used in this table is the average diversion 1927-36, excluding years of shortage, except in the case of the Gooding Project where it is the average from 1932 to date, excluding water shortage period in Aug.-Sept. 1935.

Diversions during 1937

(Thousands of Acre-ft.)

	<u>Apr.</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
<u>Reise to Blackfoot</u>							
1937	-	392	600	658	520	361	2531
Normal	-	360	630	687	548	401	2626
<u>Henrys Fork & Trib.</u>							
1937	-	200	223	163	126	84	796
Normal	-	189	226	191	150	101	857
<u>Minidoka Project</u>							
1937	18	145	130	176	156	96	721
Normal	46	126	145	167	152	106	742
<u>No. Side Canal Co.</u>							
1937	40	176	185	228	218	126	973
Normal	77	172	189	202	196	145	981
<u>Twin Falls Canal Co.</u>							
1937	57	191	179	217	216	144	1,004
Normal	65	181	188	215	214	148	1,001
<u>Gooding Project</u>							
1937	10	60	66	75	68	45	322
Normal	10	56	64	74	65	41	310

April diversions were below normal owing to fairly adequate precipitation that month. May diversions were above normal in all sections due to good growing weather and generally deficient precipitation. June diversions were generally slightly below normal due to rains during the first half of the month.

Diversions from July to Sept. were below normal in the districts above American Falls Reservoir where the canals rely principally on normal flow as storage supplies owned by these canals were insufficient to make up the deficiency in normal flow.

The lower valley projects, all with an adequate supply of storage, drew water during July and August at a rate slightly above normal. Their requirements decreased in September however, so that their diversions during that month were below normal, perhaps due to the increased use during the two preceding months.

RIVER DATA

Segregation of flow at the various measuring stations, stored water losses, diversions, etc., during the period of storage draft are shown on plates 12-13. The methods of segregation of stored water and normal flow that have been used for a number of years past were continued without change during 1937. At Moran, stored water each day is determined from the 24-hour drop in the level of Jackson Lake, the balance at the Moran station being classed as normal flow. Owing to wind effect at times on the lake gage readings it is often necessary to average the readings over short periods to avoid marked daily fluctuations in the computed normal flow. Starting with the determined amount of storage at Moran, the adopted schedule of transmission losses is applied in

the various river sections and after also allowing for storage diversions the amount of storage is determined at the next river station downstream, proceeding thus down to Blackfoot. After rights are cut under the 1900 priority which is the earliest priority below Blackfoot, the natural flow at the Clough station was taken as 150 second-foot plus inflow from the Blackfoot River and any balance at the Clough station was classed as stored water. There are many irregularities from day to day during the season between the theoretical and actual storage so computed at the Clough station, due to the impossibility of making cuts and restorations of rights at the correct hour several days ahead of time on the various upstream canals. On the receding stage following the flood period it is also the practice to permit natural flow rights to divert some storage in lieu of possible evaporation losses at Jackson Lake and lack of return ground-water flow that is prevented from entering the river on account of holding up the river level with stored water. At times the accumulation of storage so diverted as natural flow amounts to as much as 12,000 to 15,000 acre-feet. This is recovered for the storage owners when Jackson Lake is rapidly dropping and furnishing some bank return and when cuts are made in the amount of storage being carried in the river, thereby resulting in a gain from ground-water return along the river. By the end of the season the theoretical and actual amounts of storage passing the Clough station are made to amount to the same seasonal total, as near as possible.

Fifteen measurements of the flow of the various tributary springs between Cloughs and Nooley were made during the months May to September inclusive. Interpolating the discharge of these springs between

measurements and using the daily flow of the Portneuf River at Pocatello and unmeasured inflow, computed by the Newell formula, (unmeasured inflow = $840 + 1/3$ measured inflow) the total daily inflow from Clough to Neeley was computed and is shown in detail on Plate 11.

The normal flow at Neeley, computed by adding to the normal flow at Cloughs the inflow Clough to Neeley, was delivered without loss or gain to downstream canals according to their respective priorities and any additional amounts diverted by those canals were classed as storage.

There was a period during May and again in June when water was being stored in Jackson Lake that belonged to rights below American Falls of earlier priority than the Jackson Lake priority. It requires 5 days for water to travel from Jackson Lake to the lower valley canal headings and in the spring when the river flow and diversions change rapidly from day to day it is impossible to predict 5 days in advance how much water, if any, should be released from Jackson Lake to fill prior downstream rights. It has been found by experience that the best solution of this difficulty is to keep the Jackson Lake gates closed during such periods and then compute the river records later, assuming enough water had been released from Jackson Lake so that, deducting river losses, the exact amount necessary to fill prior rights would have reached the canals. In actual practice the theoretical normal flow to which the lower canals are entitled under their priorities is maintained by delivering them an equivalent amount of storage from American Falls Reservoir without storage charge, and then later on, as convenient during the season, this amount of storage

is spilled past Blackfoot into American Falls Reservoir. On plates 12-13, the quantities of extra natural flow that should have been flowing in the river to fill prior downstream rights, appear in the tabulation at the various measuring stations as a minus storage quantity and, in computing the seasons totals, are offset by an equal quantity of actual storage later on in the season. The segregation of daily diversions of stored and normal flow by canals as shown in the tabulations on plates 12-13 is thus made on a basis of each canal getting all the normal flow to which it would be entitled if such water had not been retained at Jackson Lake.

During the season ending Sept. 30, 1937 there were 13,357 second-feet or 26,493 acre-feet of storage that passed the Clough station for use by downstream canals in addition to the amount necessary to offset adverse upstream storage diversions and adverse natural flow storage at Jackson Lake. The river was operated so as to retain as much storage as possible in Jackson Lake at the close of the season. If American Falls Reservoir fills in 1938 all of the holdover in Jackson Lake on Sept. 30, 1937 will then become Jackson Lake water, but if American Falls does not fill in 1938, most of the water in Jackson Lake at the close of the 1937 season will belong to American Falls rights, the exact quantity depending upon how the various companies owning rights in both reservoirs desire to have their 1937 storage diversions apportioned between the two reservoir rights. Under existing contracts, individual holdovers are not permitted on Jackson Lake rights but are permitted on American Falls rights up to an amount sufficient to fill such rights in full. Individual holdovers are not permitted on American Falls leased rights but any surplus American Falls holdover goes

to the credit of that reservoir and will increase the yield of the leased space as a whole if that reservoir doesn't fill. The result of this situation is that the companies owning rights in both Jackson Lake and American Falls Reservoirs generally use up their Jackson Lake water first and hold over their American Falls water at least in an amount sufficient to fill the American Falls Reservoir right in full or as near thereto as possible.

STORED WATER DELIVERIES

American Falls Reservoir filled on March 25. Some storage was drawn from it during May, after which some additional water was stored again but not enough to refill the reservoir. Under these circumstances the total amount of American Falls storage available for allotment was in excess of the reservoir capacity.

AMERICAN FALLS ALLOTMENT

The last date on which any water accumulated for the credit of American Falls Reservoir was June 8, 1937 on which date the reservoir held 1,673,100 acre-feet. Of this amount 1,750 acre-feet were due Lake Walcott to replace storage temporarily used from that reservoir leaving 1,671,350 acre-feet of American Falls water available for allotment on June 8, 1937.

Reservoir contents June 8, less 1,750
 due Lake Walcott 1,671,350 ac.-ft.
 American Falls equivalent of adverse stor-
 age at Jackson Lake prior to June 8.
 This represents water drawn from Am. Falls
 before June 8 to fill rights that are
 prior to Jackson Lake storage right. 13,500 " "

Storage draft by canals up to June 8
 (Am. Falls date)

Minidoka Project	1,110	"	"
Milner Low Lift	2,030	"	"
N. S. Canal Co.	4,650	"	"
Twin Falls Canal Co.	3,590	"	"
Gooding Project	28,400	"	"
Total for allotment	1,724,630	"	"

The 24,630 acre-feet in excess of reservoir capacity was allotted to the canals drawing storage prior to June 8 in proportion to space owned and leased, the extra allotment to any individual company, however, not exceeding its storage draft up to June 8.

<u>Project</u>	<u>1937 Space at American Falls</u>	<u>Extra allotment</u>
Minidoka Project	75,785 acre-feet	1,110 acre-feet
Milner Low Lift	51,705 "	1,750 "
N. S. Project	472,532 "	4,650 "
T.F. Canal Co.	221,788 "	3,590 "
Gooding Project	400,000 "	13,530 "
Total	1,221,810 "	24,630 "

The complete allotment of the American Falls Reservoir water was as follows:

ALLOTMENTS TO CANALS - 1937 AMERICAN FALLS WATER

(Downstream order from Heise)
(Acre-feet)

<u>Canal</u>	<u>Contract right</u>	<u>Leased Space</u>	<u>Extra for stored water used prior to June 8</u>	<u>Total</u>
Poplar Irrig. Dist.	793	370		1,163
Progressive Dist.	14,609	7,533		22,142
Enterprise Canal Co.	10,509	4,908		15,417
Harrison Canal	11,994	6,185		18,179
Rudy	2,000	1,031		3,031
Burgess	7,496	4,501		11,997
Lenroot	4,504	2,322		6,826
Reid	3,002	-		3,002
Dilts	1,034	533		1,567
Enterprise Irr. Dist.	12,000	13,104		25,104
Fremont-Madison Dist.	-	19,763		19,763
Butte & Market Lake	3,002	2,804		5,806
Osgood	15,852	8,175		24,027
New Sweden	28,528	14,711		43,239
Martin	2,250	1,050		3,300
Bear Island	225	105		330
Smith	79	41		120
Idaho Irr. Dist.	26,986	12,602		39,588
Woodville	9,000	4,200		13,200
Snake River Valley Irr. Dist.	27,643	12,909		40,552
Blackfoot	15,033	7,020		22,053
Peoples	22,519	11,613		34,132
Aberdeen	41,333	29,306		70,639
Corbett	4,000	1,868		5,868
Trego	1,462	683		2,145
Minidoka Project	50,000	25,785	1,110	76,895
Wilner Low Lift	34,113	17,592	1,750	53,455
Twin Falls Canal Co.	151,185	70,603	3,590	225,378
N. S. Project	320,256	152,276	4,650	477,182
Gooding	400,000	-	13,530	413,530
Idaho Power Co.	45,000	-	-	45,000
 Total	 1,266,407	 433,593	 24,630	 1,724,630

Jackson Lake rights were allotted as follows:

JACKSON LAKE ALLOTMENT

1937

Lake filled June 18		847,000 acre-ft.
Natural flow stored at Jackson Lake prior to June 18	67,800	"
Spill at Jackson Lake after June 18 for delivery to American Falls, in excess of prior rights, as partial repayment of stored natural flow	<u>8,020</u>	"
Net natural flow in Jackson Lake	<u>59,780</u>	"
Jackson Lake for allotment	787,220	"
Bottom rights in full	437,810	
T.F.Can. Co. top right	82,980	
N.S.Can. Co. top right	<u>266,430</u>	
Total	787,220	

Both Jackson Lake and American Falls, for short periods, reached levels slightly above their rated capacities, but this additional water was not allotted as storage and was discharged as natural flow.

In addition to the storage rights in Jackson Lake and American Falls, the Minidoka Project had 96,700 acre-feet in Lake Walcott and was credited with 48,590 acre-feet of storage right covering the gain from Neeley to Milner between June 8, when the American Falls Reservoir allotment was made, and Sept. 30. The Osgood Project discharged 3,653 acre-feet of storage from Twin Lakes near Moran and the Snake River Valley Irrig. Dist. delivered 1,027 acre-feet of storage into Snake River from Market Lake near Roberts.

Daily storage diversions by the various canals on the main river are shown on plate 14. Diversions of American Falls storage, exchanged for Jackson Lake storage and then traded for natural flow, by Henrys Fork canals are grouped together on this tabulation but are shown by individual canals on plate 22.

To take care of demands for seasonal rentals of storage by various canals and individuals in the upper valley a storage pool was formed and water was rented at the rate of 50¢ per acre-foot, measured at the point of river diversion. This is equivalent to about 46.4 cents per acre-foot at Jackson Lake, allowing 7.26% loss from Jackson Lake to the upper valley canal headings. One-half of the rental price in excess of 12¢ per acre-foot on storage rented by canals having American Falls leased water during 1937 was paid to the U. S. Bureau of Reclamation, in accordance with the terms of a contract between the Government and the American Falls Reservoir District.

1937 Pool Operations
(Acre-feet rented)

<u>Canal</u>	<u>At Headgate</u>	<u>At Jackson Lake</u>
Farmers Own	115	124
Canyon Creek	500	539
Siddoway	500	539
Teton Basin users	1,050	1,132
Fall River Canal	257	277
McBee	160	172
Silkey	18	19
Dewey	8	9
Farmers Friend	112	121
Twin Groves	2,000	2,156
Salem Union	1,448	1,561
Independent	2,040	2,200
Consol. Farmers	1,300	1,402
Island Park Users	14	15
Black Springs	20	22
Total Henrys Fork	9,542	10,288

<u>Canal</u>	<u>At Headgate</u>	<u>At Jackson Lake</u>
Swan Valley	1,062	1,145
Mattson-Craig	165	178
Harrison	38	41
Rudy	64	69
Burgess	120	129
Sunnydell	1,060	1,143
Reid	500	539
Hill-Pettinger	18	19
Butte & Market Lake	7,086	7,641
Kennedy	924	996
New Sweden	512	552
Reservation	2,749	2,964
Aberdeen	3,000	3,235
Total all canals	26,840	28,939

The rented water, measured at Jackson Lake, was secured from the following sources:

Woodville Canal Co.	4,200	acre-ft.
Twin Falls Canal Co.	23,354	" "
10% Penalty charge on stored normal	1,385	" "
Total	28,939	" "

In addition to the sales from the Pool, there were various transfers between canals as shown by notes on plates 14 and 22. Such of these as were sales for a financial consideration by canals holding American Falls leases were at 12 cents per acre-foot, the cost of the leased water.

The gain from bank storage return in American Falls Reservoir after June 8, the date of the American Falls allotment, was sufficient to more than offset subsequent American Falls Reservoir losses and leakage at Milner Dam so it was unnecessary to make any charges against reservoir rights for these items. Losses prior to June 8 were automatically absorbed by making the reservoir contents on June 8 the basis for the allotment.

RIVER LOSSES AND GAINS

Losses and gains between river stations are shown by monthly averages in the following tabulations using time intervals shown on plate 15.

Gain in Snake River Moran to Heise stations

1937

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

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
Moran	1,933	52,336	164,640	159,240	73,867	452,016
Heise	384,340	344,810	317,760	246,270	154,670	1,447,850
Riley Ditch	280	583	703	414	143	2,123
Heise & Riley	384,620	345,393	318,463	246,684	154,813	1,449,973
Total gain s.f.	382,687	293,057	153,823	87,444	80,946	997,957
Mean gain s.f.	12,340	9,770	4,960	2,820	2,690	6,510
Total gain a.f.	759,050	581,270	305,100	173,440	160,560	1,979,420

The gain in this section of the river during the 1937 irrigation season was 1,175,000 acre-feet less than in 1936 and only amounted to 63% of the 1936 gain, largely due to the fact that the snowfall on the drainage area between Moran and Heise at the end of March 1937 was only about 57% of the amount existing a year earlier.

Gain in Snake River, Heise to Shelley stations

1937

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

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
Heise & Riley	384,620	345,393	318,463	246,684	154,813	1,449,973
Roxburg	77,648	54,149	17,983	15,510	23,697	188,987
Total supply	462,268	399,542	336,446	262,194	178,510	1,638,960
Diversions	125,152	209,525	237,581	200,096	140,375	912,729
Net Supply	337,116	190,017	98,865	62,098	38,135	726,231
Shelley	325,090	212,550	127,690	83,590	57,318	806,238
Total gain s.f.	-12,026	22,533	28,825	21,492	19,183	80,007
Mean gain s.f.	-388	751	930	693	639	523
Total gain a.f.	-23,850	44,690	57,170	42,630	38,050	158,690

The high water table built up in this section in 1936 was helpful in maintaining gains during the 1937 season. During the short water months, July to September, the 1937 gain was 137,850 acre-feet, almost

as much as the 140,203 acre-ft. gain during the same period in 1936 although the canal diversions in this section during 1937 were 115,000 acre-feet less than in the previous year.

Loss in Snake River, Shelley to Clough stations

1937

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

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
Shelley	321,350	216,470	127,950	84,710	58,498	808,978
Blackfoot R.	6,237	3,539	784	162	60	10,782
Total supply	327,587	220,009	128,734	84,872	58,558	819,760
Diversions	72,325	92,839	94,320	62,325	41,892	363,701
Net Supply	255,262	127,170	34,414	22,547	16,666	456,059
Cloughs	244,920	127,042	28,373	18,735	13,760	432,830
Total loss s.f.	10,342	128	6,041	3,812	2,906	23,229
Mean loss s.f.	334	4	195	123	97	152
Total loss a.f.	20,513	254	11,982	7,560	5,764	46,073

The loss in this section during 1937 was less than for some years past, probably due largely to the beneficial silting effects of muddy water during the 1936 flood period. The low loss in June is partly due to the fact that there were several good rains during that month and the canals increased their waste into the river at such times, offsetting part of the loss and partly to the fact that the discharge passing Blackfoot decreased from 8,000 to 400 sec.-ft. during June, permitting an increased inflow from tributary groundwater just above the Blackfoot River and thereby reducing the calculated loss between river stations. The actual losses from Shelley to Clough stations are greater than the losses calculated in the preceding tabulation by the amount of inflow from canal wasteways, which fluctuates from a few second-feet to about three hundred second-feet., and by the amount of ground-water inflow to the river for several miles above the Clough station, which averages about 150 second-feet

Loss in Snake River, Clough to Neeley stations
1937

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

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
Clough	241,975	134,556	28,063	19,215	13,813	437,622
Inflow	89,697	80,696	80,187	79,820	76,743	407,143
Reservoir Draft	29,547	70,800	246,081	234,478	79,212	660,118
Total Supply	361,219	286,052	354,331	333,513	169,768	1,504,883
Neeley	350,410	281,140	360,600	337,900	171,450	1,501,500
Total loss s.f.	10,809	4,912	-6,269	-4,387	-1,682	3,383
Mean loss s.f.	349	164	-202	-142	-56	22
Total loss a.f.	21,440	9,743	-12,435	-8,702	-3,336	6,710

The American Falls Reservoir filled on March 25 and dropped in stage during each of the months May to September inclusive, resulting in some bank storage return each month. On this account as well as because of an earlier and greater drawdown the losses in 1937 were considerably less than those in the preceding year.

Loss in Snake River, Neeley to Minidoka stations
1937

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

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
Neeley	350,097	280,163	360,467	338,627	174,070	1,503,424
Walcott draft	333	-28	-3	391	22,869	23,562
Total Supply	350,430	280,135	360,464	339,018	196,939	1,526,986
N. Minidoka	42,812	37,881	48,920	42,302	27,002	198,917
S. Minidoka	30,244	27,639	40,040	36,510	21,146	155,579
Minidoka	277,330	210,410	263,390	252,790	148,850	1,152,770
Tot. acct. for	350,386	275,930	352,350	331,602	196,998	1,507,266
Total loss s.f.	44	4,205	8,114	7,416	-59	19,720
Mean loss s.f.	1	140	262	239	-2	129
Total loss a.f.	87	8,341	16,094	14,709	-117	39,114

The gain in September was due to drawdown of Lake Walcott. Total losses for the season were practically the same as in 1936. Erratic results in certain months may be partly due to the fact that the draft from Lake Walcott is based on the lake gage readings on the last day of each month, which are subject at times to errors caused by wind.

Gain in Snake River, Minidoka to Milner stations
1937

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

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
Minidoka	276,750	209,970	263,030	253,675	151,265	1,154,690
P. A.	1,625	1,844	1,885	1,900	1,537	8,791
Gooding	51,816	55,120	62,530	62,570	48,360	280,396
Milner Low Lift	4,039	4,034	5,052	4,387	3,290	20,802
No. Milner	65,457	69,790	88,410	79,450	35,289	338,396
So. Milner	96,260	90,400	109,490	108,890	72,680	477,720
Milner	58,811	880	3,651	6,226	6,548	76,116
Total acct. for	278,008	222,068	271,018	263,423	167,704	1,202,221
Total gain s.f.	1,258	12,098	7,988	9,748	16,439	47,531
Mean gain s.f.	41	403	258	314	548	311
Total gain a.f.	2,495	23,996	15,844	19,335	32,607	94,277

During the period of storage release, after the American Falls Reservoir allotment on June 8, the net gain from Neeley to Milner amounted to 48,590 acre-feet. Under the system being followed, delivering natural flow below Neeley on the basis of natural flow at Neeley, this 48,590 acre-feet was credited to the Minidoka project's storage supply. The total gain **for** the 1937 season in the section from Minidoka to Milner was about 6,000 acre-feet more than in 1936. This gain has been increasing each year since the low record during the 1934 drought, and would indicate a gradual rise since then in the water table under part of the Minidoka Project.

DISTRIBUTION ON HENRYS FORK

Water distribution on Henrys Fork and tributaries was under the immediate supervision of Melvin Luke, Deputy Watermaster, with headquarters at St. Anthony. Run-off was below normal in this section and a number of the canals were rather short of water during the latter part of the season. Crops however, were matured in a fairly satisfactory manner, without serious losses due to water shortage, as the canals in this section have been short of water for so many years that the water users have learned by experience to plan their crops so as to meet anticipated deficiencies in water supply. Grain crops in this area were greatly benefited by timely rains in June and July and good grain yields were secured even in the dry farm sections.

Henrys Lake supplied 27,469 acre-feet of storage, the Enterprise Irrig. Dist. had 25,104 acre-feet of American Falls storage, the Fremont-Madison district had 19,763 acre-feet of American Falls leased water and various individual canals rented 12,288 acre-feet of American Falls water, making a total of 84,624 acre-feet of storage available, less transmission losses, for use in the Henrys Fork area in 1937.

The canals in this section used practically all the natural flow available in 1937 to exchange for storage prior to Aug. 13. During the last half of August about 6,000 ac-ft. of natural flow were discharged past the lowest canal heading on Henrys Fork for use by prior rights on Snake River and during September about 20,000 acre-feet were so discharged.

Several trips were made into the Island Park and Henrys Lake section during the latter part of the season, regulating rights to the same priority in force on the main Snake River. It is doubtful, however, if the amount of water secured for lower users by such action is worth the cost of maintaining constant regulation on these head-water areas, except as a matter of general principle and to discourage any attempts to expand acreage or increase the use of water there. Nearly all the irrigated area in the Island Park section consists of wild hay meadows adjacent to the stream channels, and some of the lands have very early rights. There are perhaps 5,000 acres of land actually irrigated in that section, part of which can not be watered during the latter part of the season due to lack of enough water in some of the local creeks. There are considerable areas that naturally sub-irrigate.

The following schedule of rights was in effect on Henrys Fork and Fall River during 1937:

June 28 - Cut to 1895 priorities.
 June 30 - Filled 50% June 14, 1895 rights.
 July 4 - Cut off June 14, 1895 rights.
 Balance of year same schedule as Snake River
 shown on page 11.

The following schedule applied to Teton River:

June 26 - Filled 25% April 1, 1898 rights.
 June 30 - Cut off 1898 rights.
 July 4 - Cut off 1889 rights.
 July 8 - Restored 1889 rights.
 July 20 - Cut off 1889 rights.
 Aug. 15 - Filled 75% June 1, 1884 rights.
 Aug. 20 - Filled 50% June 1, 1884 rights.
 Aug. 27 - Filled 25% June 1, 1884 rights.
 Aug. 29 - Filled 50% June 1, 1884 rights.
 For balance of season the June 1, 1884 rights were
 partially filled.

Daily diversions by Henrys Fork canals are shown on plates 16-20, inclusive, and segregation of flow at the various river stations, storage diversions, etc., are shown on plates 21 and 22. Henrys Lake water was allotted as follows:

HENRYS LAKE 1937 ALLOTMENT

Maximum contents June 25-30 . . . 30,550 acre-feet
Deduct dead storage and Lake
losses 3,081 "

Net supply available for
allotment 27,469 "

<u>Allotted</u>		<u>At Reservoir</u>	<u>At canal heading</u>
Last Chance	15.3%	4,203 ac.-ft.	3,934 ac-ft.
St. Anthony Union	6.8%	1,868 "	1,749 "
Salem Union	24.2%	6,647 "	6,222 "
Egin	6.8%	1,868 "	1,749 "
Independent	26.8%	7,362 "	6,891 "
Consolidated Farmers	20.1%	5,521 "	5,168 "
Total		27,469 "	25,713 "

Loss of 6.39% was charged from Henrys Lake to the canal headings.

The following tabulation of diversions and irrigated acreages is similar to that previously given for the main Snake River. The irrigation season is May to September, inclusive.

Table showing diversions and irrigated areas

<u>Henrys Fork canals - 1937</u>				
<u>Canal</u>	<u>Irr. Season diversions</u>	<u>Area under canal</u>	<u>Area irrig. 1937</u> ①	<u>Diversions ac.-ft. per acre irrigated.</u>
<u>Fall River Canals</u>				
Yellowstone	0	5,000	0	0
Harrigfeld	728 (a)	3,500	0	0
Marysville	13,600	13,910	12,237	1.1
Farmers Own	6,450	5,800	5,680	1.1
Almy	220	60	50	4.4

Henry's Fork canals - cont'd.

<u>Canal</u>	<u>Irr. Season Diversions</u>	<u>Area under canal</u>	<u>Area irrig. 1937</u>	<u>Diversions ac.-ft. per acre irrigated</u>
<u>Fall River canals-cont'd.</u>				
Enterprise	32,085 (b)	6,280	6,000	5.3
Bell	1,320	160	160	8.2
Fall River	71,300	8,000	8,000	8.9
McBee	925	470	200	4.6
Chester	6,340	2,000	1,200	5.3
Silkey	2,610	620	420	6.2
Cur	9,460	1,570	1,500	6.3
Total Fall River	145,038	47,370	35,447	4.1

(a) Used to puddle canal.

(b) Excludes 6,315 acre-feet diverted for Teton River Canals.

Henry's Fork Canals

Dewey	3,660	1,840	1,200	3.0
Last Chance	11,400	1,840	1,840	6.2
St. Anthony Union	129,000	10,000	10,000	12.9
Farmers Friend	22,000	4,000	2,900	7.6
Twin Groves	23,700	2,500	2,400	9.9
Salem Union	40,100	5,300	5,000	8.0
Egin	84,500	8,190	8,190	10.3
St. Anthony Union Feeder	21,900	2,500	2,500	8.8
Independent	56,600	7,000	7,000	8.1
Consol. Farmers	49,800	8,000	6,000	8.3
Total Henry's Fork	442,660	51,170	47,030	9.4

Teton River Canals

Siddoway	2,990	600	600	5.0
Wilford	27,300	2,000	2,000	13.6
Teton Irrig.	16,800	2,385	2,340	7.2
Good Luck	3,610	328	328	11.0
Pioneer	3,120	400	400	7.8
Stewart	3,780	360	360	10.5
Pinecock Byington	3,060	340	300	10.2
Pinecock Garner	4,430	580	440	10.1
Teton Island Feeder	64,900 (c)	10,445	10,445	6.2
North Salem	2,280 (d)	600	600	3.8
Roxana	1,650	640	640	2.6
Island-Ward	6,500	3,300	3,200	2.0
Woodmansee-Johnson	2,930	1,200	1,150	2.5
City of Rexburg	9,300	1,295	1,100	8.5
Rexburg Irrig.	46,200 (e)	5,645	5,300	8.7
Saurey-Sommers	3,460	660	500	6.9
Total Teton River	202,310	30,778	28,603	7.1
Total Fall R., Henry's Fork, & Teton River	790,008	129,318	111,080	7.1

(c) Includes 760 ac.-ft. pumped into canal; (d) Also receives water through Salem Union from Henry's Fk.; (e) Includes 800 ac.-ft. pumped into canal.

There are a number of canals in the preceding tabulation with seasonal diversions that are apparently adequate for the acreage irrigated, that in reality received very little water during August and September. These canals have late rights and divert more water than they really need during the flood-water period in an attempt to build up the "sub" as high as possible so that it will supply the needs of the crops for a brief period after their rights are cut. The Farmers Friend Canal is typical of this group. Percentage of the seasons diversions by this canal during the various months in 1937 was as follows: May 57%, June 32%, July 9%, Aug. 1%, Sept. 1%.

Lands under such canals are largely restricted to growing grain and one crop of hay as the late water supply is inadequate for any considerable acreage of such crops as beets and potatoes. The best water rights, as a group, are held by the Egin Bench canals serving 30,700 acres or 28% of the total acreage irrigated on Fall River, Henrys Fork and Teton River. During the low water months of August and September the Egin Bench canals diverted 95,000 acre-feet or 46% of the total diversions by all canals in those months.

The total diversions by all canals on Fall River, Henrys Fork, and Teton River during the 1937 season was 64,000 acre-feet less than during 1936.

RIVER LOSSES AND GAINS IN HENRYS FORK BASIN

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

Lake to Island Park	1 day
Island Park to Warm River	1 "
Warm River to Ashton	1 "
Ashton to St. Anthony	1 "
St. Anthony to Rexburg	1 "
Squirrel to Chester	1 "

Gain in Henrys Fork, Lake to Island Park stations - 1937
(Island Park dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Season
Lake	77	132	6,154	7,018	1,342	14,723
Island Park	25,872	15,735	18,650	18,735	12,265	91,257
Total gain s.f.	25,795	15,603	12,496	11,717	10,923	76,534
Mean gain s.f.	832	520	403	378	364	500
Total gain a.f.	51,160	30,950	24,790	23,240	21,660	151,800

The gain in this section during the season was 6,000 acre-feet more than during the same period in 1936, notwithstanding the fact that the snow surveys on April 1, 1937 showed about 10% less water than a year previous. The drainage area here is largely covered with porous lava rock and each spring the melting snows sink into the ground to a great extent and later reappear in the form of springs further downstream.

The flow of Henrys Fork above Warm River is much more uniform from year to year than that from any other part of the upper Snake River drainage basin, probably due to the equalizing effect of ground-water storage in the lavas. The water contributed to this ground-water storage in wet years does not drain out entirely during that year but remains to augment the spring flow during the following year or longer, as its rate of underground travel is probably only about 7 miles per year.

Gain in Henrys Fork, Island Park to Warm River - 1937
(Warm River dates and 24-hr. sec.-ft. except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
Island Park	25,790	15,910	18,360	18,966	12,342	91,368
Warm River	42,998	28,942	29,886	29,950	23,326	155,102
Total gain s.f.	17,208	13,032	11,526	10,984	10,984	63,734
Mean gain s.f.	555	434	372	354	366	417
Total gain a.f.	34,130	25,850	22,860	21,790	21,790	126,420

The total gain during the season in this section was 12,000 acre-feet more than in 1936. This is probably due, as in the upstream section, to delayed ground-water run-off from the heavy snowfall of 1936.

Gain in Henrys Fork, Warm River to Ashton stations - 1937
(Ashton dates and 24-hr. sec.-ft. except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
Warm River	42,918	29,086	29,772	30,040	23,374	155,190
Ashton	64,900	40,600	38,850	38,130	29,743	212,223
Total gain s.f.	21,982	11,514	9,078	8,090	6,369	57,033
Mean gain s.f.	709	384	293	261	212	373
Total gain a.f.	43,600	22,840	18,010	16,050	12,630	113,130

The total gain for the season was about 12,000 acre-feet less than in 1936, reflecting the decreased run-off from Robinson Creek which is a tributary in this section. Monthly gains are also affected by the height maintained in the Ashton Power Reservoir of the Utah Power & Light Co. This Company, in cooperation with the watermaster, has been in the habit of permitting the water level in its reservoir to be drawn down several feet during July or August donating the water to various canals needing same, and then having the water replaced during the latter part of September by cutting various natural flow rights, still valid, in an amount sufficient to restore the lake levels.

Gain in Fall River, Squirrel to Chester stations - 1937
(Chester dates and 24-hr. sec.-ft. except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
Squirrel	58,253	55,845	20,266	14,551	13,786	162,701
Diversions	11,949	22,014	15,765	11,881	7,489	69,098
Chester	56,662	39,487	5,024	3,088	7,213	111,474
Total acct. for	68,611	61,501	20,789	14,969	14,702	180,572
Total gain s.f.	10,358	5,656	523	418	916	17,871
Mean gain s.f.	334	189	17	13	31	117
Total gain a.f.	20,545	11,218	1,037	829	1,817	35,446

The gain for the 5 months period was 5,000 acre-feet less than during the 1936 season, probably due to decreased run-off from Conant Creek.

Gain in Henrys Fork, Ashton to St. Anthony stations -1937
(St. Anthony dates and 24-hr. sec.-ft. except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
Ashton	64,745	40,835	38,720	38,250	29,810	212,360
Chester	56,112	40,051	5,189	3,048	7,183	111,583
Total supply	120,857	80,886	43,909	41,298	36,993	323,943
Diversions	34,652	29,207	23,438	17,669	11,126	116,094
St. Anthony	91,242	54,847	22,418	23,990	26,945	219,442
Total acct. for	125,894	84,054	45,856	41,659	38,073	335,536
Total gain s.f.	5,037	3,168	1,947	361	1,080	11,593
Mean gain s.f.	162	106	63	12	36	76
Total gain a.f.	9,990	6,284	3,862	716	2,142	22,994

The gain in this section has been gradually increasing since the 1934 drought, until in 1937 it was practically the same as in 1933. This has probably resulted from an upbuilding of the tributary water table in the Chester area.

Loss in Teton River
St. Anthony station to lowest diversion - 1937
 (24-hr. sec.-ft. except as noted)

<u>Station</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Period</u>
St. Anthony	22,644	15,912	12,831	
Diversions	21,110	14,854	11,561	51,387
Total loss s.f.	1,534	1,058	1,270	47,525
Mean loss s.f.	49	34	42	3,862
Total loss a.f.	3,043	2,098	2,519	42
				7,660

The flow of Teton River was practically all diverted by the canals during the above period. The "sub" did not rise high enough to overcome losses as was the case in 1936.

Gain in Henrys Fork, St. Anthony to Rexburg stations - 1937
 (St. Anthony dates and 24-hr. sec.-ft. except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
St. Anthony	91,242	54,847	22,418	23,990	26,945	219,442
Teton River	16,095	1,395	0	0	0	17,490
Total Supply	107,337	56,242	22,418	23,990	26,945	236,932
Diversions	31,537	24,864	20,542	18,400	11,934	107,277
Net Supply	75,800	31,378	1,876	5,590	15,011	129,655
Rexburg	78,164	53,466	17,912	15,614	23,845	189,001
Total gain s.f.	2,364	22,088	16,036	10,024	8,834	59,346
Mean gain s.f.	76	736	517	323	294	388
Total gain a.f.	4,690	43,810	31,810	19,880	17,520	117,710

The gain in this section was less each month than during 1936, the average gain for the season being 64 second-feet less than in 1936. Due to decreased flood-water run-off on Teton River and decreased canal diversions, the tributary water table between St. Anthony and Rexburg did not rise as high in 1937 as in 1936. The total gain in this section during the five months in 1937 amounted to 14.8% of diversions by upstream canals. Part of the water diverted by the canals and contributed to the water table does not, of course, return to the river as gain until after the close of the irrigation season, and a large part escapes westward under the desert towards the Mud Lake-Roberts region.

Regulation in Teton Basin

Mr. W. I. Nielsen was again appointed as Deputy Watermaster in Teton Basin and started work on July 5 following request for regulation made by users in the Sugar City section. He was successful in handling the perplexing problems of regulation in this section in a very capable and satisfactory manner.

An agreement was entered into by committees representing upper and lower users on Teton River that the upper users would rent storage in 1937 sufficient to deliver through the Enterprise Canal to lower Teton River 50% of the amount of water available in the Teton Basin streams at the upper points of diversion on such streams. Allowing for losses in the Enterprise Canal this figured out that the Teton Basin users rented at 50 cents per acre-foot 70% of the flow of the streams after their rights were cut off or 35 cents per acre-foot for the full stream flow. No charge was made on certain creeks after the date when their flow dropped so low that, if not diverted, it would fail to reach Teton River.

Teton Basin users rented a total of 6,558 acre-feet of storage at 50¢ per acre-foot of which it proved possible to carry 1,050 acre-feet through the Enterprise Canal to Teton River. At the time the agreement between upper and lower Teton River users was entered into for 1937 it was anticipated that the new cross-cut canal from Fall River to Teton River would be completed during August 1937 and that all the storage rented by the upper users during the year could be delivered to the lower users late in August and during September at a time when they are very short of water. Due to delays in the construction work the cross-cut canal was not completed during the 1937

irrigation season so that no water could be carried through it. When this became apparent the lower users were induced to let the 1937 agreement remain in effect to preserve harmony on the stream with the understanding that they would be paid from Teton Basin storage rentals for any storage water that could not be delivered to them for lack of canal carrying capacity. Under this arrangement the watermaster paid the Committee representing the lower users \$2,741.50 from water rentals by Teton Basin users. During the latter part of the season the flow of lower Teton River balanced on the June 1, 1884 rights, so rights of this priority was the only ones affected to any extent in 1937 by the foregoing agreement and action. It is anticipated that the completion of the cross-cut canal will provide plenty of capacity that can be used in 1938 and subsequent years for delivery of any storage water owned or rented by Teton Basin users.

Following are the results of various measurements in Teton Basin during 1937:

Inflow and outflow from Teton Basin - 1937
(Second-feet)

<u>Inflow</u>	<u>July 15-17</u>	<u>Aug. 31-Sept. 3</u>	<u>Oct. 11-12</u>
Trail Creek	83.80	47.49	39.0
Game Creek	25.42	9.18	8.2
Darby Creek	28.45	9.69	10.1
Fox Creek	26.74	8.15	7.4
Teton Creek	122.86	15.35	24.3
Bouquet Creek	1.26	1.20	-
N. Leigh Creek	28.94	1.75	5.4
So. Leigh Creek	49.67	6.08	10.5
Paradise Creek	2.82	-	-
Springs at S. end of valley	4.60	6.40	-
Horseshoe Creek	5.08	1.74	1.5
Twin Creek	1.00	.40	-
Drake Creek	1.00	.60	1.1
Mahogany Creek	5.41	3.00	3.0
Packsaddle Creek	4.45	1.20	0.6

Inflow and outflow from Teton Basin, 1937 - cont'd.
(Second-feet)

<u>Inflow- cont'd.</u>	<u>July 15-17</u>	<u>Aug. 31-Sept. 3</u>	<u>Oct. 11-12</u>
Grove Creek	1.54	1.10	
Patterson Creek	1.26	1.00	0.8
Johns Creek	1.68	.80	1.1
Smith Canyon	-	-	-
Derby Cr. Springs	-	.40	0.3
Teton Creek Springs	-	2.60	0.4
Bear Creek	-	-	2.5
Little Pine Creek	-	-	0.8
Drake Creek Spring	-	-	0.4
Henderson Creek	-	3.00	1.0
Hot Spring Creek	-	-	2.5
			2.5
Total inflow	395.98	121.13	123.4
	(Jul.		
Outflow at Tetonia Sta.	448.00 17)	246.00(Sept.3)	233.0(Oct.12)
Gain	52.02	124.87	109.6

There were 1.4 inches of rain that fell at Driggs on July 14-15 which caused fluctuations in stream flow during the time of the first set of the foregoing measurements.

The following miscellaneous measurements in addition to those given in the preceding tabulation were made during the season.

<u>Stream</u>	<u>Location</u>	<u>Date</u>	<u>Gage</u> (feet)	<u>Discharge</u> (Sec.-ft.)
Trail Creek	Above String Canal	July 7	1.40	100
		July 22	1.14	73.1
		July 30	-	65.2
		Aug. 11	-	51.7
		Aug. 16	-	51.9
Game Creek	Highway near mouth	July 7	0.76	39.5
		July 22	.57	20.4
		July 30	.50	16.7
		Aug. 11	.46	12.2
		Aug. 16	.43	11.5
Derby Creek	Forest Boundary	Aug. 13	-	15.5
Fox Creek	Above diversions	July 7	-	35.8
No. Leigh Creek	At upper canal head-	July 23	-	18.6
Spring Creek	ing Highway at Tetonia	July 7	-	37.5

<u>Stream</u>	<u>Location</u>	<u>Date</u>	<u>Gage (feet)</u>	<u>Discharge (Sec.ft.)</u>
Hitch Creek	Bridge on Felt-Ashton highway	July 20	-	93.7
Badger Creek	Sawmill	July 20	0.68	13.6
Grand Teton Canal	Head of Canal	July 16	-	43.1
string Canal	Head of Canal	July 20	-	25.1
		July 7	-	34.0
		July 15	.43	34.6
		July 22	.40	28.5
		July 29	.30	23.9
		Aug. 11	.26	22.8
		Aug. 23	.05	8.7

The water in Darby Creek at the time of the measurement on Aug. 13 was all turned down the channel and failed to reach Teton River by 2-3/4 miles the following day.

The following miscellaneous measurements were made at various points on the Henrys Fork drainage :

<u>Stream</u>	<u>Location</u>	<u>Date</u>	<u>Discharge (Sec.-ft.)</u>
Targee Creek	Above diversions near Henrys Lake	June 30	19.3
Kooch Canal	Headgate below Henrys Lake	June 25	5.7
Conant Creek Canal	Head nr. Drummond	Aug. 2	22.1
Rexburg Irr. Pump	Near Rexburg	Aug. 5	11.5
Teton Isl. Pump	Near Rexburg	Aug. 5	5.4
do.	do.	Aug. 31	10.9
Enterprise Canal	Midway between head and Teton River	Aug. 23	119.0
do.	At Teton River	Aug. 23	96.6
East Teton Canal	Nr. St. Anthony	July 8	57.7
Salem Slough Canal	Sugar City	Aug. 6	47.4
Teton Island Canal	Sugar City	Aug. 6	72.0

Canyon Creek Canal at head was not regulated prior to July 1st. Subsequent discharges were as follows: July 1-2, 30 sec.-ft.; July 12-19 incl., 22 sec.-ft.; Aug. 2-10, 15 sec.-ft.; Aug. 26-Sept. 30, 10 sec.-ft.; dry on intervening days. Discharge July 12, Sept. 6-30 was furnished by Rexburg Irrig. Co. and Aug. 26-Sept. 5 by Teton Island Feeder. Canyon Creek Canal rented 500 acre-feet from the Pool.

DISTRIBUTION IN SWAN VALLEY

Frank S. Thomas was selected by the users in this section as their local watermaster. Users on Palisade and Rainy creeks paid him directly for services regulating water on those streams, and he was paid by Water District 36 for services regulating water on other creeks in that vicinity. Users in this section rented 1,145 acre-feet of storage from the Pool and exchanged same for natural flow in various creeks. The lands in this section are all underlain with gravel and are adjacent to various stream channels into which the ground water rapidly drains. On this account and because of creek losses the users whose rights were cut were permitted to divert at the head of their ditches double the amount of stored water that they rented, on the assumption that at least half of the water so diverted would return to the river before the close of the irrigation season.

CLIMATOLOGICAL DATA

Monthly records showing actual and normal precipitation at various long-time record stations are shown in the following tabulation:

Precipitation in inches

(Actual and normal for year ending Sept. 30, 1937)

Month	Snake R. Wyo.		Moran, Wyo.		Afton, Wyo.		Irwin, Ida.	
	Act.	Nor.	Act.	Nor.	Act.	Nor.	Act.	Nor.
Oct. 1936	0.74	2.10	0.74	1.58	1.12	1.64	0	1.22
Nov.	.65	2.04	0.29	1.69	.23	1.88	.07	1.00
Dec.	3.05	2.66	2.10	1.76	1.13	1.30	1.47	1.17
Jan. 1937	3.37	3.68	1.53	2.46	1.41	1.37	2.10	1.50
Feb.	5.00	2.98	3.27	2.20	2.79	1.23	1.02	1.12
Mar.	2.28	3.61	2.22	2.56	1.08	1.62	.69	1.32
Apr.	4.58	1.96	3.96	1.60	1.00	1.58	1.62	.86
May	.97	2.40	.92	1.98	.98	2.12	.58	1.66
June	2.81	2.19	1.60	1.57	1.54	1.48	1.39	1.38
July	2.73	1.52	2.94	1.12	2.15	1.03	1.40	.93
Aug.	.66	1.48	.09	1.34	.18	1.32	.06	.98
Sept.	2.20	1.78	1.43	1.61	.71	1.52	1.71	1.24
Year	29.04	28.40	21.09	21.47	14.32	18.09	12.11	14.38

Month	Ashton		Idaho Falls		Pocatello		Twin Falls		Mean 8 stas.	
	Act.	Nor.	Act.	Nor.	Act.	Nor.	Act.	Nor.	Act.	Nor.
Oct. 1936	0.52	1.20	0.10	1.06	0.53	1.16	0.14	0.90	0.49	1.36
Nov.	.22	1.19	.20	.61	.09	.89	0	1.08	.22	1.30
Dec.	1.15	1.56	1.00	.97	.81	1.21	.22	.89	1.37	1.44
Jan. 1937	2.35	1.82	2.30	1.10	1.70	1.39	.60	1.09	1.92	1.80
Feb.	2.24	1.29	1.10	1.03	1.80	1.27	.97	.91	2.27	1.50
Mar.	1.03	1.14	1.21	.86	1.40	1.31	.77	.96	1.34	1.67
Apr.	1.53	1.18	1.45	.89	1.89	1.43	1.16	.98	2.15	1.31
May	0.30	1.97	.75	1.37	1.05	1.52	1.38	.99	.87	1.75
June	2.33	1.44	1.30	1.10	.37	1.09	.21	.68	1.44	1.37
July	2.46	.93	1.46	.61	1.10	.77	.11	.37	1.79	.91
Aug.	.50	.70	1.10	.61	.35	.71	0	.21	.37	.92
Sept.	.79	1.16	.27	.81	.62	.81	.15	.55	.99	1.18
Year	15.42	15.58	12.24	11.02	11.71	13.56	5.71	9.63	15.22	16.51

October and November were months of deficient precipitation at all the stations. December and January were above normal at some stations and under normal at others. February was above normal at all stations except Irwin, March was generally below normal, April above normal and May averaged only about 50% of normal except at Twin Falls which was above normal. June precipitation was slightly above normal except at Pocatello and Twin Falls while July precipitation was double normal at most stations but below normal at Twin Falls. August was a dry month, except at Idaho Falls where a local cloud-burst on August 1st raised the monthly precipitation above normal. September was above normal at Snake River and Irwin but below normal elsewhere. Considering the total precipitation for the year Snake River and Idaho Falls were slightly above normal while the others were below normal. The greatest deficiency was at Twin Falls where the annual precipitation was only 5.71" or 59% of normal. The average precipitation at the eight stations was 92% of normal. It is apparent from the erratic results of the precipitation records at the various stations during the year that much of the precipitation came from local storms that went in streaks through the country rather than from storms that were general in character over the entire area.

Weather conditions generally were quite favorable for growing and harvesting crops. Some deficiency was reported in the yield of seed peas in certain areas, but this is a temperamental crop at best with yields being greatly affected by various conditions that may exist from planting to harvest. Wheat yields generally were very good and the quality and yield of potatoes and sugar beets were mostly above average due to continued good growing weather in the fall and absence of too early freezes.

EXPENDITURES DURING YEAR ENDING DEC. 31, 1937

Engineers & Hydrographers

Lynn Crandall,	Salary 1 year	\$4800.00
W. V. Iorns	" " "	2799.95
Melvin Luke	" 5.56 mos. @ \$175	974.16
L. K. Homer	" 3.23 " @ \$145	468.83
F. W. Tolles	" 3.66 " @ \$140	510.99
W. I. Nielsen	" 1.94 " @ \$140	270.67

Clerk

Effie C. Jones	" 1 year	\$1680.00
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River Riders

D. W. Archibald	80 days @ \$6.00 incl. mileage	480.00
H. M. Bramwell	112 days @ \$5.50 " "	616.00
D. R. Crystal	112 days @ \$5.50 " "	616.00
Eugene Liljenquist	117 days @ \$5.00 " "	585.00
Ralph S. Boal	44 days @ \$5.50 " "	242.00
F. S. Thomas	91½ hrs. @ .50 " "	45.75
Walter C. Lenz	2.53 mos. @ \$40.00 " "	101.07
Orlando Jensen	29 days @ \$5.00 " "	145.00
J. N. Bean	0.4 mo. @ \$20.00 " "	8.00
Special labor		16.00

Miscellaneous

Transportation, 48,582 miles @ 6¢ a mile,	2914.92
Telephone & telegraph,	289.23
Supplies & equipment,	904.86
Gage readers,	615.38
Construction & repairs,	1186.38
Bond premium & insurance,	50.19
Miscellaneous,	471.92

Total	\$20,792.30
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Expenditures from various funds

Normal flow users	\$6915.88
Jackson Lake & American Falls storage	4546.02
Storage Sales account	339.62
Henrys Lake storage users	59.93
Twin Lakes " "	4.61
State of Idaho Stream Gaging fund	2519.99
U. S. Geological Survey	6385.75
Federal Power Commission	20.50
Total,	\$20,792.30

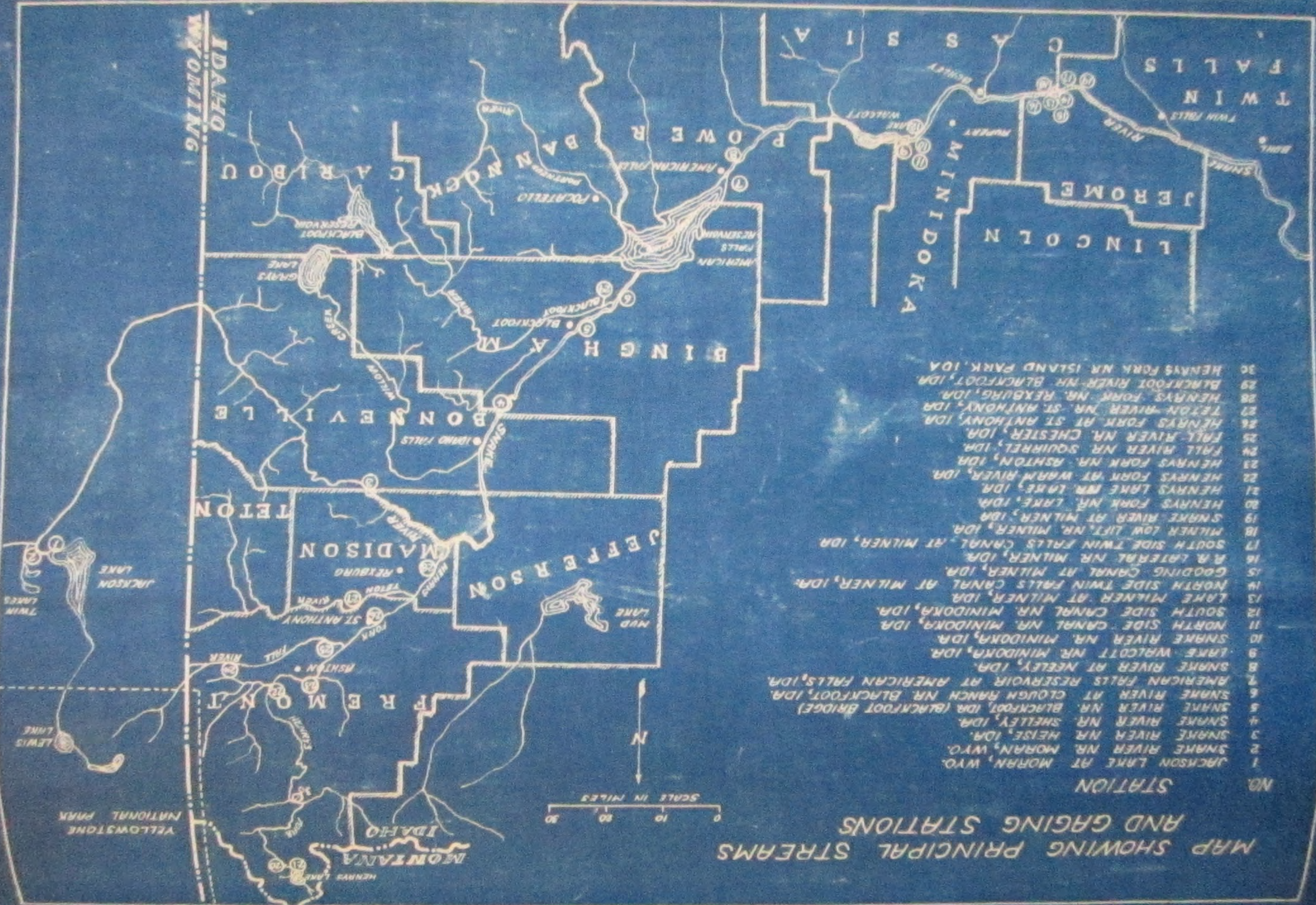
In addition to the foregoing, upper valley members of the Committee of Nine were paid \$57.00 which was prorated among upper valley canals.

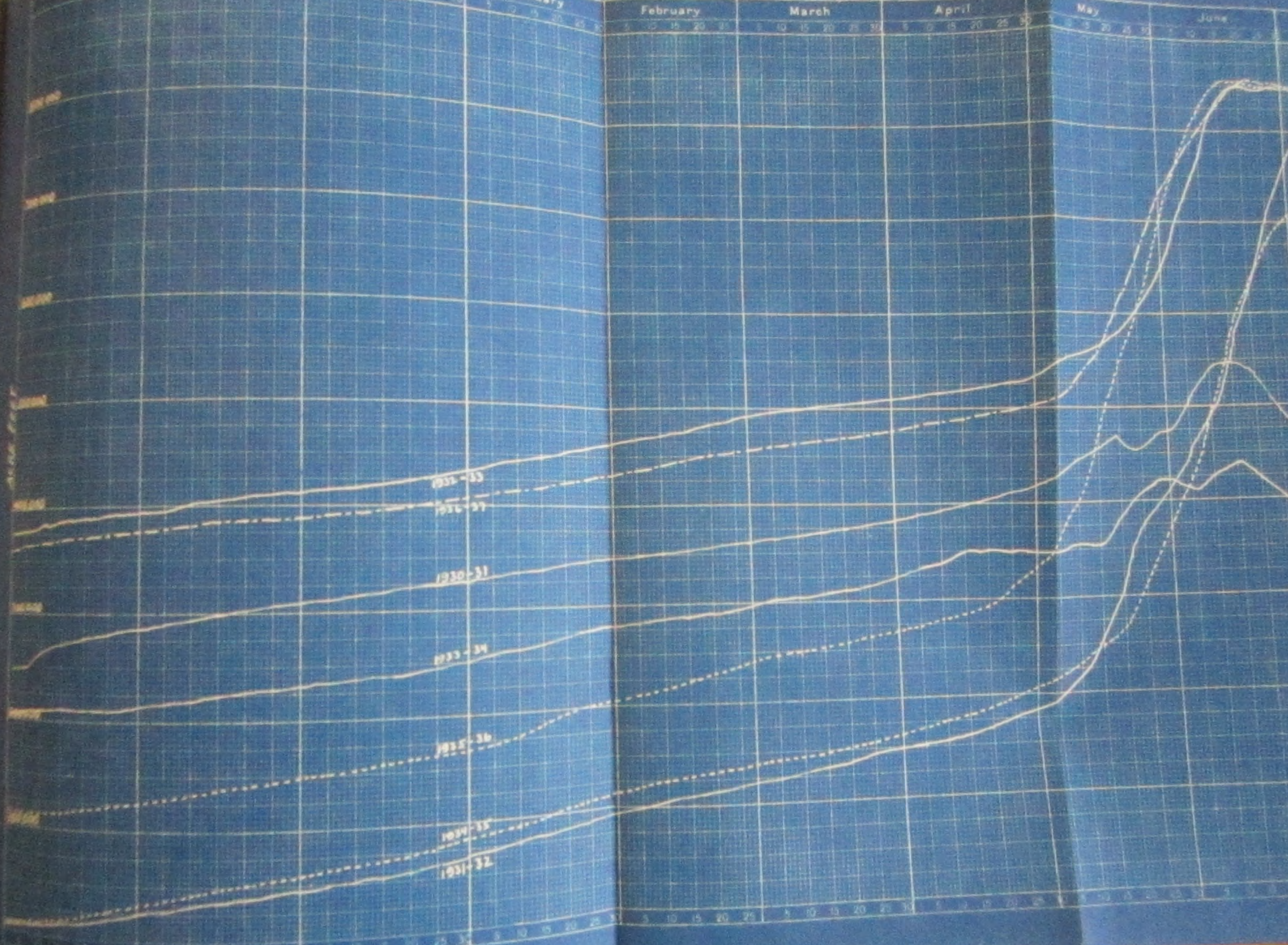
Funds on hand Jan. 1, 1938

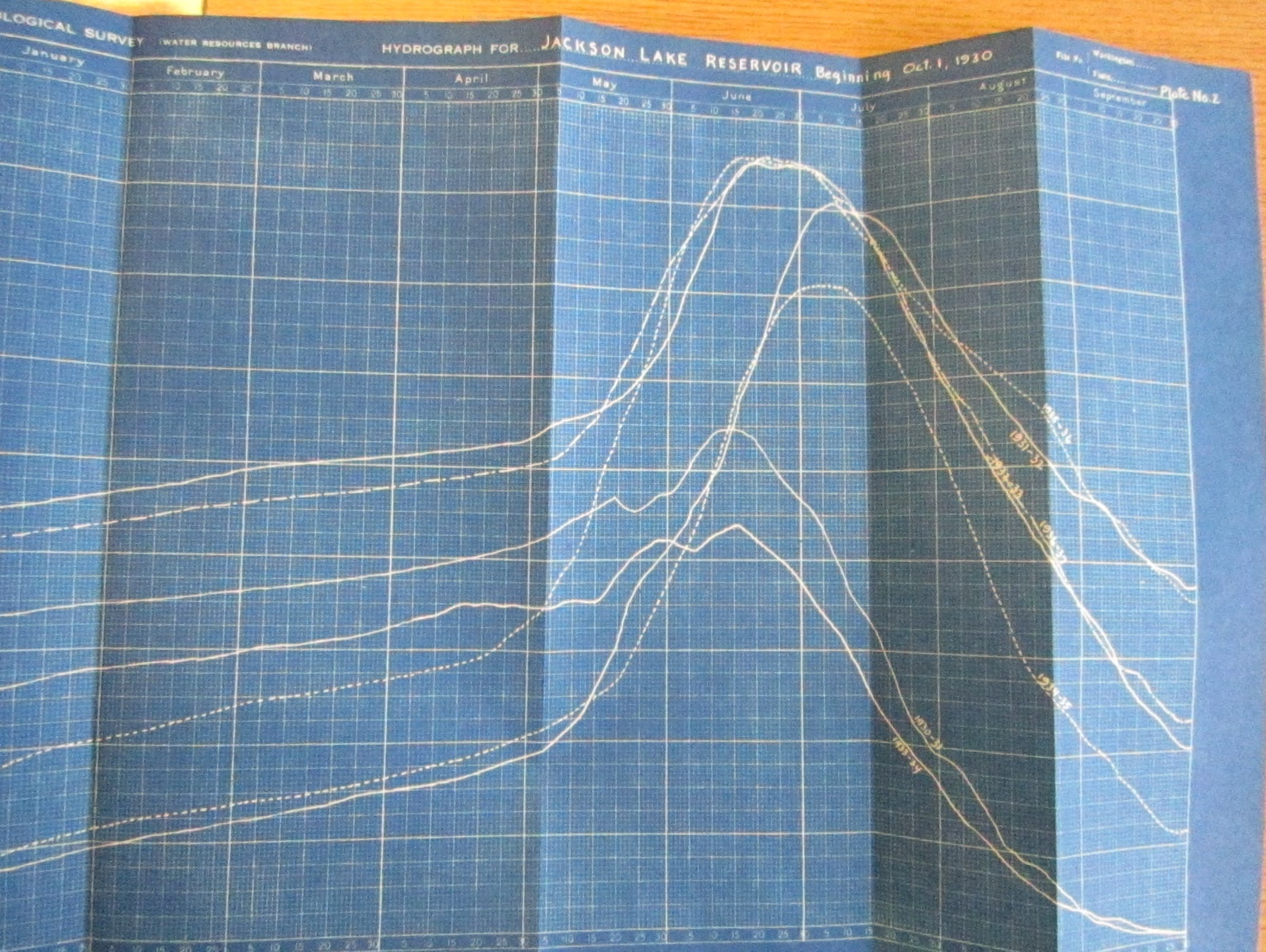
U. S. Geological Survey	\$1320.71
State of Idaho	355.05
Normal flow fund	2173.49
North Fork Reservoir Co.	00
Twin Lakes Storage users	00
Storage Sales account	6070.80
Total,	\$9,920.05

MAP SHOWING PRINCIPAL STREAMS AND GAGING STATIONS

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







November

December

January

February

March

April

May

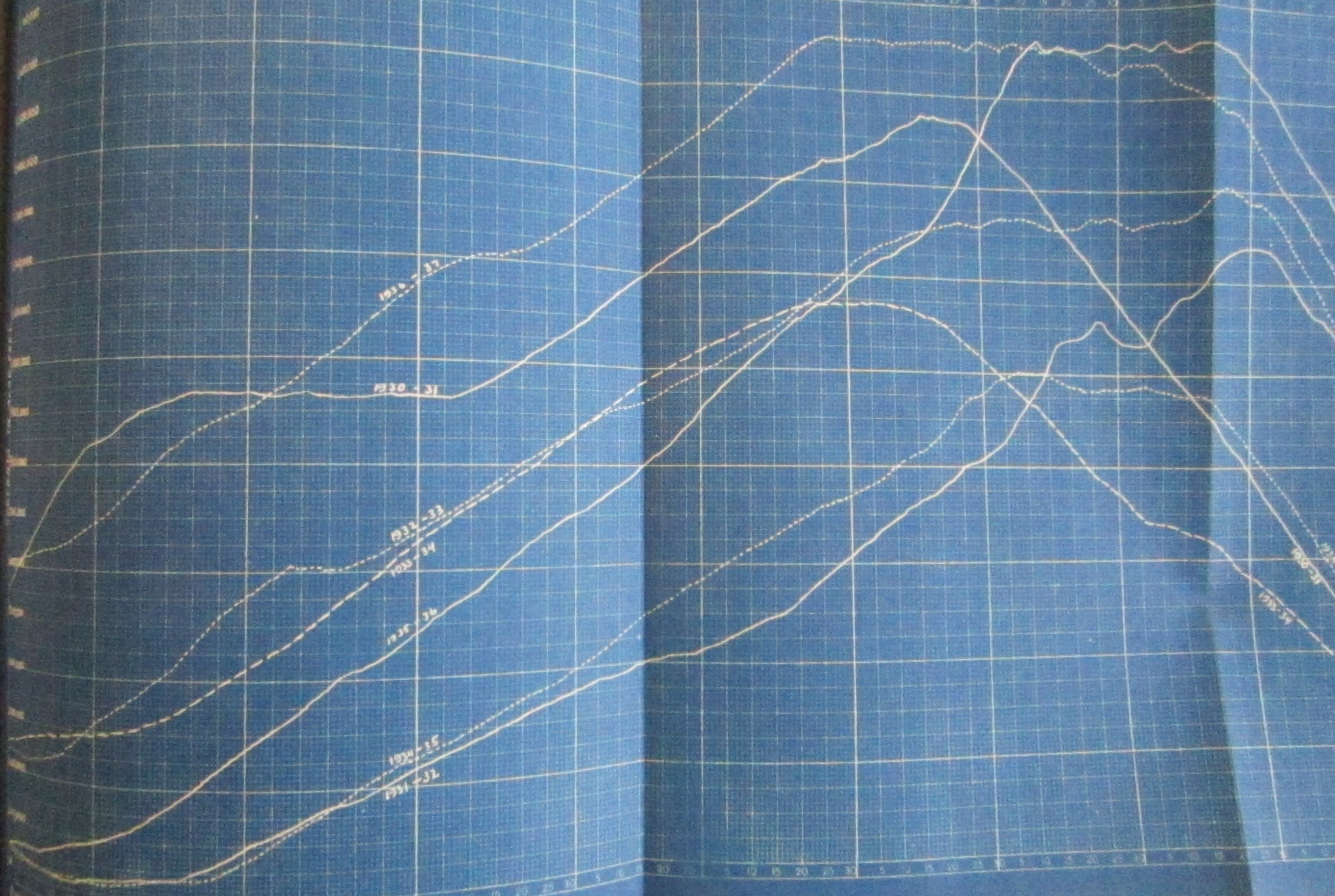
June

Beginning

HYDROLOGICAL SURVEY

(WATER RESOURCES BRANCH)

HYDROGRAPH FOR AMERICAN FALLS RESERVOIR



Checked by _____ Date _____

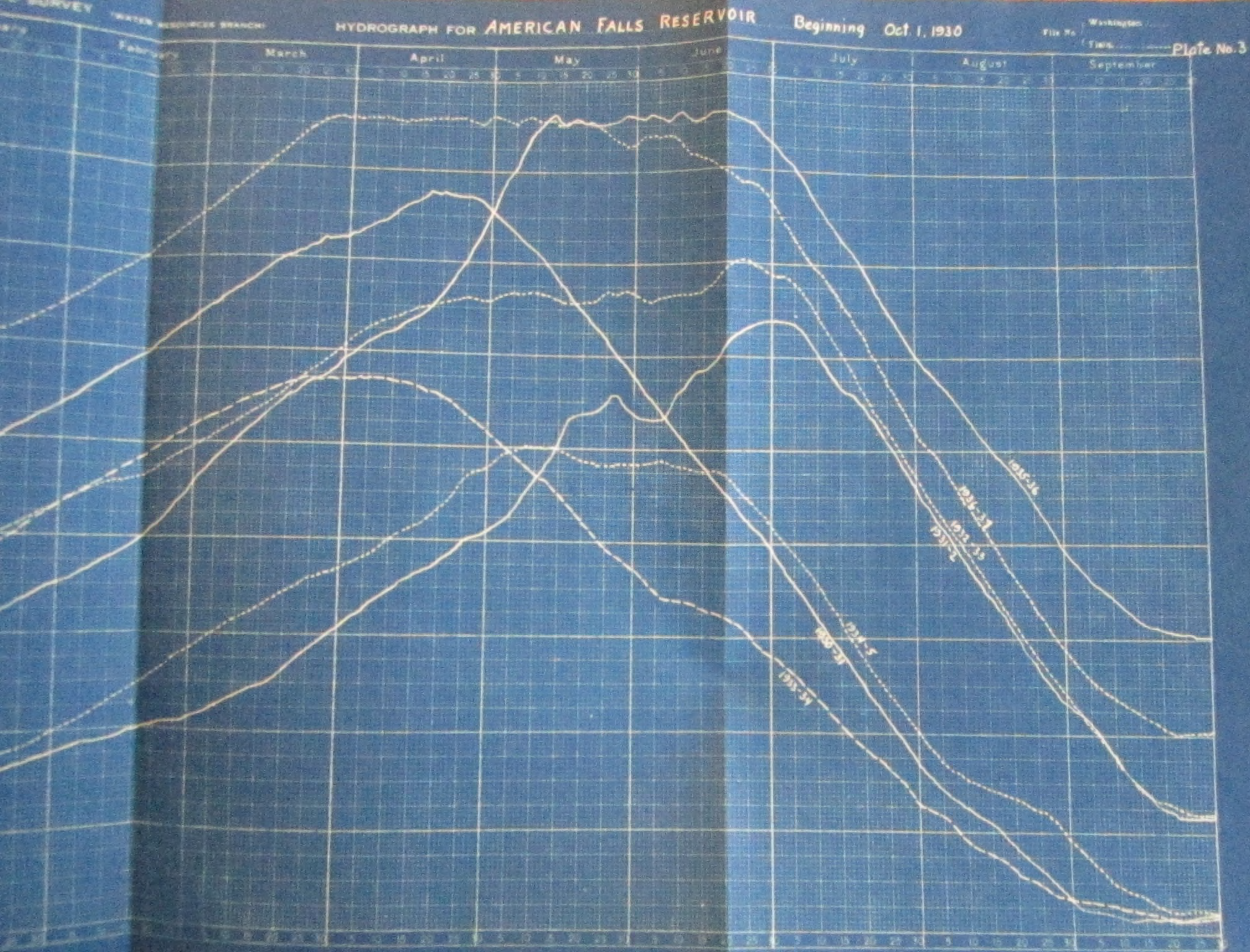
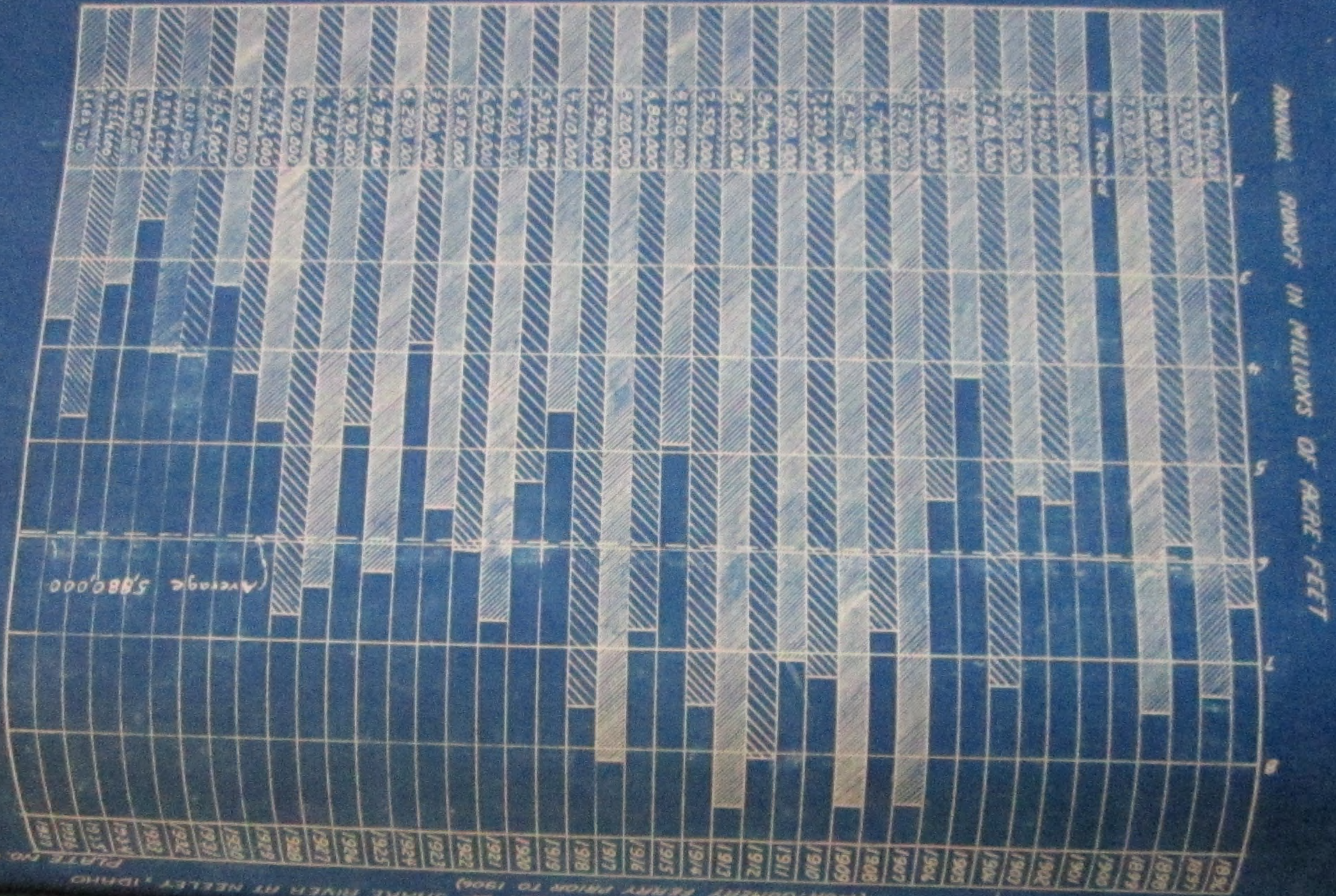


DIAGRAM SHOWING TOTAL ANNUAL RUNOFF IN ACRE-Feet OF SNAKE RIVER AT NEELY, IDAHO (MONTGOMERY FERRY PRIOR TO 1906)

PLATE NO. 4



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

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



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

LEBI 25W

5	17	02	LI	51
2	62	72	52	42

05h	65h	88h	58h	04h
00h	36h	90h	70h	01h

65E	60S	LOH	52H	LOH
-----	-----	-----	-----	-----

5 5 5 5 5

6	6	6	6	6
12	14	15	17	17

05	87	67	57	87
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1	1	5	5	5
---	---	---	---	---

500	500	500	500	500
-----	-----	-----	-----	-----

8	8	8	L	L
---	---	---	---	---

71	HS	HS	HS	95
517	007	181	191	541

9	9	9	9	9
---	---	---	---	---

0701	0101	L7b	5HL	5HL
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0h	0h	0h	0h	0h
1h	0h	1h	0h	1h

9	9	9	9	9
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12	11	01	01	01
01	0	0	0	0

160	155	150	145
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151	147	141	145	131
-----	-----	-----	-----	-----

91	91	91	01	1
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2	111	112	113	114	115
3	116	117	118	119	120

1	871	971	1071	1171	1271	1371
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5	015	015	005	050	05
7	47	97	87	01	75

05	05	05	05	05	05
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7	1	1	1	1	1
6	85	75	75	75	75

[illegible]

5	5	5	5	5	
101	111	101	05	0	0

0	0	0	0	0	0
---	---	---	---	---	---

ALL	ALL	ALL	ALL	ALL
ALL	ALL	ALL	ALL	ALL

012	792	592	792	692
626	996	856	856	266

1 2 3 4 5

9	169	169	456	916	665
7	7	7	7	8	49

7	2	6	4	9	4	0	8	7	0	6	2	3	2	1	5	0	4	7	2
5	2	6	4	9	4	0	8	7	0	6	2	3	2	1	5	0	4	7	2

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, 26

50	55	60	65	70	75	80	85	90	95	100
10	15	20	25	30	35	40	45	50	55	60

128	147	140	141	145	145
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১৬৮	১৬৯	১৭০	১৭১	১৭২	১৭৩
১৭৪	১৭৫	১৭৬	১৭৭	১৭৮	১৭৯

91	91	91	91	91	91
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842	792	692	592	492	392	292
201	151	101	51	1	0	0

05	05	05	05	05	05
09	65	65	65	55	09

611	611	611	611	611	611
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6x	6x	6x	6x	7x	6x
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PLATE 12. THE TIDE GAUGE

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

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
ANDERSON	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
ROBERTS	350	349	348	347	346	345	344	343	342	341	340	339	338	337	336	335	334	333	332	331	330	329	328	327	326	325	324	323	322	321	
FRANKS FRIEND	320	319	318	317	316	315	314	313	312	311	310	309	308	307	306	305	304	303	302	301	300	299	298	297	296	295	294	293	292	291	
ENTRANCE	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
NELSON	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
MATSON & CRAIG	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
BRUNSBURG	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
BUTLER ISLAND	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
ROSS & RAND	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
STEELE	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
HARRISON	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
CHENEY	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
BOOMER	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
RUDY	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
KITE & BORD	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
BURGESS	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
CLARK & EDWARDS	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
LOWDER	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
JENNINGS	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
FIRST LABELLE	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
SUNNY DELL	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
LENROOT	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
REID	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
TEXAS FEEDER	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
NELSON-COREY	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
HILL-PETTINGER	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
RIGBY	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
ISLAND	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
DILLS	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
W. LABELLE & L. ISLAND	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
PARKS & LEWISVILLE	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
NORTH BIGBY	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
WHITE	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
ELLIS	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
BRAMWELL	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
BUTLE & MNT. LAKE	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
OSGOOD	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
BEAR ISLAND	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
SMITH	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
KENNEDY	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
IOAH	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
GREAT WESTERN	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
PORTER	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
COY & KELLER	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
WOODVILLE	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
SNAKE RIVER VALLEY	120	119	119	118	116	114	112	110	108	106	104	102	100	98	96	94	92	90	88	86	84	82	80	78	76	74	72	70	68	66	
TOTAL HEIST TO SHELLEY	5086	5079	5072	5065	5058	5051	5044	5037	5030	5023	5016	5009	5002	4995	4988	4981	4974	4967	4960	4953	4946	4939	4932	4925	4918	4911	4904	4897	4890	4883	
RESERVATION	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201	200	199	198	197	196	195	194	193	192	191	190	189	188	187	186	
BLACKFOOT	211	210	209	208	207	206	205	204	203	202	201	200	199	198	197	196	195	194	193	192	191	190	189	188	187	186	185	184	183	182	
NEW TRAY SIDE	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	
PEOPLES	473	472	471	470	469	468	467	466	4																						

DAILY DISCHARGE IN SEC-FIT OF SNAKE RIVER CANALS FOR JULY 1937

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	
ANDERSON	31	26	27	28	29	30	31	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	102
FRANKS FRIEND	421	469	473	479	509	411	409	427	429	449	490	563	563	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582	582	1103	
NELSON	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188
WATSON & CRAIG	14	16	16	15	9	9	8	7	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	103	
BRUNSDEN	4	3	0	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
BUTLER ISLAND	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
ROSS & BRAND	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
STEELE	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	7	7	7	7	
MARRISON	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	
CHENEY	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
BOOMER	141	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	
RUDY	51	47	46	44	43	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	
WITE & NORD	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
BURGESS	804	804	804	813	818	765	760	717	667	700	700	704	704	704	704	704	704	704	704	704	704	704	704	704	704	704	704	704	704	704	704	704	
CLARK & EDWARDS	71	71	71	71	72	72	74	66	71	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	
LOWDER	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	
JENNINGS	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
EAST LABELLE	125	118	116	116	122	122	122	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	
SUNNYDELL	172	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	95	95	95	95	
LENROOT	140	142	140	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	
REID	149	179	165	165	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	
TEXAS FEEDER	282	277	282	282	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	
NELSON-COREY	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	14	
HILL-PETTINGER	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
RIGBY	161	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	
ISLAND	166	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	
DILLS	27	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	
W. LABELLE & L. ISLAND	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	
FRANKS & LEWISVILLE	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	
NORTH RIGBY	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
WHITE	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4				

DAILY DISCHARGE IN SECT. OF GUNTE RIVER CANALS FOR SEPT. 1937

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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PLATE NO. 10

NAME OF CHURCH																															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
ANDERSON	9	13	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
ANDERSON	208	213	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210
ANDERSON	507	511	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510
ANDERSON	1012	1015	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010	1010
ANDERSON	2015	2018	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010
ANDERSON	4012	4015	4010	4010	4010	4010	4010	4010	4010	4010	4010	4010	4010	4010	4010	4010	4010	4010	4010	4010	4010	4010	4010	4010	4010	4010	4010	4010	4010	4010	4010
ANDERSON	8015	8018	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010	8010
ANDERSON	16012	16015	16010	16010	16010	16010	16010	16010	16010	16010	16010	16010	16010	16010	16010	16010	16010	16010	16010	16010	16010	16010	16010	16010	16010	16010	16010	16010	16010	16010	16010
ANDERSON	32015	32018	32010	32010	32010	32010	32010	32010	32010	32010	32010	32010	32010	32010	32010	32010	32010	32010	32010	32010	32010	32010	32010	32010	32010	32010	32010	32010	32010	32010	32010
ANDERSON	64012	64015	64010	64010	64010	64010	64010	64010	64010	64010	64010	64010	64010	64010	64010	64010	64010	64010	64010	64010	64010	64010	64010	64010	64010	64010	64010	64010	64010	64010	64010
ANDERSON	128015	128018	128010	128010	128010	128010	128010	128010	128010	128010	128010	128010	128010	128010	128010	128010	128010	128010	128010	128010	128010	128010	128010	128010	128010	128010	128010	128010	128010	128010	128010
ANDERSON	256012	256015	256010	256010	256010	256010	256010	256010	256010	256010	256010	256010	256010	256010	256010	256010	256010	256010	256010	256010	256010	256010	256010	256010	256010	256010	256010	256010	256010	256010	256010
ANDERSON	512015	512018	512010	512010	512010	512010	512010	512010	512010	512010	512010	512010	512010	512010	512010	512010	512010	512010	512010	512010	512010	512010	512010	512010	512010	512010	512010	512010	512010	512010	512010
ANDERSON	1024012	1024015	1024010	1024010	1024010	1024010	1024010	1024010	1024010	1024010	1024010	1024010	1024010	1024010	1024010	1024010	1024010	1024010	1024010	1024010	1024010	1024010	1024010	1024010	1024010	1024010	1024010	1024010	1024010	1024010	1024010
ANDERSON	2048015	2048018	2048010	2048010	2048010	2048010	2048010	2048010	2048010	2048010	2048010	2048010	2048010	2048010	2048010	2048010	2048010	2048010	2048010	2048010	2048010	2048010	2048010	2048010	2048010	2048010	2048010	2048010	2048010	2048010	2048010
ANDERSON	4096012	4096015	4096010	4096010	4096010	4096010	4096010	4096010	4096010	4096010	4096010	4096010	4096010	4096010	4096010	4096010	4096010	4096010	4096010	4096010	4096010	4096010	4096010	4096010	4096010	4096010	4096010	4096010	4096010	4096010	4096010
ANDERSON	8192015	8192018	8192010	8192010	8192010	8192010	8192010	8192010	8192010	8192010	8192010	8192010	8192010	8192010	8192010	8192010	8192010	8192010	8192010	8192010	8192010	8192010	8192010	8192010	8192010	8192010	8192010	8192010	8192010	8192010	8192010
ANDERSON	16384012	16384015	16384010	16384010	16384010	16384010	16384010	16384010	16384010	16384010	16384010	16384010	16384010	16384010	16384010	16384010	16384010	16384010	16384010	16384010	16384010	16384010	16384010	16384010	16384010	16384010	16384010	16384010	16384010	16384010	16384010
ANDERSON	32768015	32768018	32768010	32768010	32768010	32768010	32768010	32768010	32768010	32768010	32768010	32768010	32768010	32768010	32768010	32768010	32768010	32768010	32768010	32768010	32768010	32768010	32768010	32768010	32768010	32768010	32768010	32768010	32768010	32768010	32768010
ANDERSON	65536012	65536015	65536010	65536010	65536010	65536010	65536010	65536010	65536010	65536010	65536010	65536010	65536010	65536010	65536010	65536010	65536010	65536010	65536010	65536010	65536010	65536010	65536010	65536010	65536010	65536010	65536010	65536010	65536010	65536010	65536010
ANDERSON	131072015	131072018	131072010	131072010	131072010	131072010	131072010	131072010	131072010	131072010	131072010	131072010	131072010	131072010	131072010	131072010	131072010	131072010	131072010	131072010	131072010	131072010	131072010	131072010	131072010	131072010	131072010	131072010	131072010	131072010	131072010
ANDERSON	262144012	262144015	262144010	262144010	262144010	262144010	262144010	262144010	262144010	262144010	262144010	262144010	262144010	262144010	262144010	262144010	262144010	262144010	262144010	262144010	262144010	262144010	262144010	262144010	262144010	262144010	262144010	262144010	262144010	262144010	262144010
ANDERSON	524288015	524288018	524288010	524288010	524288010	524288010	524288010	524288010	524288010	524288010	524288010	524288010	524288010	524288010	524288010	524288010	524288010	524288010	524288010	524288010	524288010	524288010	524288010	524288010	524288010	524288010	524288010	524288010	524288010	524288010	524288010
ANDERSON	1048576012	1048576015	1048576010	1048576010	1048576010	1048576010	1048576010	1048576010	1048576010	1048576010	1048576010	1048576010	1048576010	1048576010	1048576010	1048576010	1048576010	1048576010	1048576010	1048576010	1048576010	1048576010	1048576010	1048576010	1048576010	1048576010	1048576010	1048576010	1048576010	1048576010	1048576010
ANDERSON	2097152015	2097152018	2097152010	2097152010	2097152010	2097152010	2097152010	2097152010	2097152010	2097152010	2097152010	2097152010	2097152010	2097152010	2097152010	2097152010	2097152010	2097152010	2097152010	2097152010	2097152010	2097152010	2097152010	2097152010	2097152010	2097152010	2097152010	2097152010	2097152010	2097152010	2097152010
ANDERSON	4194304012	4194304015	4194304010	4194304010	4194304010	4194304010	4194304010	4194304010	4194304010	4194304010	4194304010	4194304010	4194304010	4194304010	4194304010	4194304010	4194304010	4194304010	4194304010	4194304010	4194304010	4194304010	4194304010	4194304010	4194304010	4194304010	4194304010	4194304010	4194304010	4194304010	4194304010
ANDERSON	8388608015	8388608018	8388608010	8388608010	8388608010	8388608010	8388608010	8388608010	8388608010	8388608010	8388608010	8388608010	8388608010	8388608010	8388608010	8388608010	8388608010	8388608010	8388608010	8388608010	8388608010	8388608010	8388608010	8388608010	8388608010	8388608010	8388608010	8388608010	8388608010	8388608010	8388608010
ANDERSON	16777216012	16777216015	16777216010	16777216010	16777216010	16777216010	16777216010	16777216010	16777216010	16777216010	16777216010	16777216010	16777216010	16777216010	16777216010	16777216010	16777216010	16777216010	16777216010	16777216010	16777216010	16777216010	16777216010	16777216010	16777216010	16777216010	16777216010	16777216010	16777216010	16777216010	16777216010
ANDERSON	33554432015	33554432018	33554432010	33554432010	33554432010	33554432010	33554432010	33554432010	33554432010	33554432010	33554432010	33554432010	33554432010	33554432010	33554432010	33554432010	33554432010	33554432010	33554432010	33554432010	33554432010	33554432010	33554432010	33554432010	33554432010	33554432010	33554432010	33554432010	33554432010	33554432010	33554432010
ANDERSON	67108864012	67108864015	67108864010	67108864010	67108864010	67108864010	67108864010	67108864010	67108864010	67108864010	67108864010	67108864010	67108864010	67108864010	67108864010	67108864010	67108864010	67108864010	67108864010	67108864010	67108864010	67108864010	67108864010	67108864010	67108864010	67108864010	67108864010	67108864010	67108864010	67108864010	67108864010
ANDERSON	134217728015	134217728018	134217728010	134217728010	134217728010	134217728010	134217728010	134217728010	134217728010	134217728010	134217728010	134217728010	134217728010	134217728010	134217728010	134217728010	134217728010	134217728010	134217728010	134217728010	134217728010	134217728010	134217728010	134217728010	134217728010	134217728010	134217728010	134217728010	134217728010	134217728010	134217728010
ANDERSON	268435456012	268435456015	268435456010	268435456010	268435456010	268435456010	26843																								

STREAM	MAY 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	JUN 1	2	3	4	5	6	7	
BIG JIMMY CREEK	36	36	36	36	36	36	36	36	36	35	35	35	35	34	34	34	34	33	33	33	33	32	32	32	32	32	32	31	31	31	30	30	30	30	30	30	30	30	
POTNEUF RIVER INFLOW BELOW POCA TELLO	295	295	295	295	295	294	293	292	291	290	289	288	287	286	285	284	283	282	281	280	279	278	277	276	275	274	280	285	290	300	310	330	340	353	371	389	397	397	
BIG SPRING CREEK	458	458	458	458	458	457	456	455	454	453	453	452	451	450	450	449	448	447	447	446	445	444	444	443	442	442	442	442	442	443	443	443	443	443	443	443	443	443	443
CLEAR CREEK	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
FORD CREEK	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	7	7	7	7	7	7	7	7	
KINNEY CREEK	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	29	29	29	29	29	29	
WIDE CREEK	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	
PYLE SPRINGS	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	14	14	14	14	14	14	14	
METUCKER SPRINGS	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	
HULL SPRINGS	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
TANNER SPRINGS	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
POTNEUF RIV. AT POCA TELLO	460	471	493	526	560	595	595	606	595	584	560	526	493	471	438	416	384	364	342	311	290	250	225	212	199	186	166	145	130	130	145	166	154	145	135	119	113	110	110
CRYSTAL DITCH	16	16	16	16	16	16	16	16	15	15	15	15	14	14	14	14	13	13	13	13	12	12	11	11	11	12	13	15	16	18	19	20	21	22	23	22	21	20	
CRYSTAL WASTE	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	14	14	15	16	16	17	18	19	19	19	18	
DANIELSON SPRINGS	42	42	42	42	42	42	42	42	42	42	43	43	43	43	43	43	43	43	43	44	44	44	44	44	44	44	45	46	47	49	50	51	53	54	56	57	56	55	
ARTESIAN SPRINGS	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
STERLING WASTE	6	6	6	6	6	6	6	6	6	5	5	5	4	4	4	4	3	3	3	2	2	2	1	1	1	1	1	1	2	2	2	3	3	4	4	4	4	4	
COLBURN WASTE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	
ABERDEEN WASTE	10	10	10	10	10	10	11	11	12	12	13	13	14	14	15	16	16	17	17	18	19	19	20	21	21	25	30	35	40	45	50	60	70	80	89	88	86	86	
TARTAR WASTE	2	2	2	2	2	2	2	2	3	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	8	9	10	12	14	16	17	18	18	16	12		
SCHILTZ WASTE	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	
CEDAR WASTE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5	10	15	20	20	15	10		
ROSS FORK	36	36	36	36	36	36	36	36	36	35	35	35	34	34	34	33	33	33	33	33	32	32	32	31	31	31	31	31	32	32	32	33	33	34	34	34	34	34	34
TRIPLE CREEK	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	3	3	3	3	
BANNOCK CREEK	39	39	39	39	39	38	37	36	35	34	32	30	28	26	22	18	14	10	6	5	4	3	2	1	1	1	1	1	1	2	2	2	3	3	3	3	3	3	3
RUEGAR SPRINGS	23	23	23	23	23	23	23	23	23	23	23	23	23	23	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
TOTAL MEASURED	1699	1710	1732	1765	1799	1831	1829	1837	1824	1807	1782	1743	1709	1678	1641	1612	1572	1547	1521	1486	1462	1417	1389	1374	1359	1353	1342	1338	1339	1357	1397	1448	1478	1499	1513	1484	1444		
UNMEASURED INFLOW	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300		
TOTAL INFLOW C-N	2999	3010	3032	3065	3099	3131	3129	3137	3124	3107	3082	3043	3009	2978	2941	2912	2872	2847	2821	2786	2762	2717	2689	2674	2659	2653	2642	2638	2639	2657	2697	2748	2778	2799	2813	2784	2744		
MONTHLY TOTALS																																							

1937

JUNE TOTAL 80,438

31	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AUG	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	SEP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	OCT	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	NOV	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	DEC	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	JAN	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	FEB	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	MAR	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	APR	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	MAY	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	JUN	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	JUL	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	AUG	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	SEP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	OCT	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	NOV	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	DEC	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	JAN	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	FEB	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
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51	17	24	25	26	27	28	29	30	31	SEP 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
308	28	26	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
359	311	321	322	323	324	323	322	321	320	319	318	316	315	314	313	312	311	309	308	307	306	305	304	303	302	300	299	298	297	296	296	296	296	296	296	296	296	296	296
442	439	458	457	457	457	457	456	455	455	454	453	453	452	452	451	450	450	449	448	448	447	447	446	446	445	445	444	444	443	443	443	443	443	443	443	443	443	443	443
1132	112	111	113	115	116	116	116	116	116	116	116	116	116	117	117	117	117	117	117	117	117	117	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118
37	7	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
258	28	29	28	28	28	28	28	28	29	29	29	29	29	29	29	29	30	30	30	30	30	30	30	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31
539	59	57	57	56	56	56	56	56	56	56	56	56	56	56	56	56	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
145	15	16	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
267	27	26	27	27	27	27	27	27	27	27	27	26	26	26	26	26	26	26	26	26	26	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
67	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
CI	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1145	104	73	68	71	71	77	77	77	73	73	73	84	82	101	88	89	89	90	91	91	89	88	85	84	85	84	71	82	90	91	90	88	93	93	94	95	94	94	94
225	5	9	9	9	9	9	9	9	9	10	10	10	10	10	11	11	11	11	11	12	12	12	12	12	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13
191	30	26	25	25	25	25	25	25	24	24	24	24	23	23	23	23	22	22	22	22	21	21	21	21	21	20	20	20	20	20	20	20	20	20	20	20	20	20	20
562	42	42	43	43	43	43	43	43	43	43	43	44	44	44	44	44	44	44	44	44	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
23	3	3	4	4	4	4	4	4	4	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
46	6	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
22	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
865	147	15	13	10	8	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
141	10	4	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
33	3	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
154	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	0	0	0	0		
349	29	35	35	35	35	35	35	35	35	36	36	36	36	36	37	37	37	37	37	38	38	38	38	38	38	39	39	39	39	39	39	39	39	39	39	39	39	39	
41	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
32	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
243	237	19	18	18	18	18	18	18	18	18	18	18	17	17	17	17	17	17	17	17	17	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
148	27	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	1293	
138	40	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	12																		

DATE	JACKSON LAKE Contents A.C.F.	MORAN			TWIN LANES STORED	MORAN + TWIN LANES STORED	MORAN TO HEISE LOSS STORED	DIVERSIONS MORAN TO HEISE STORED
		STOR.	NORM.	TOTAL				
MAY 16	545 910			50				
17	576 750			48				
18	586 000			46				
19	596 200			43				
20	609 280	0	40	40				
21	618 380	-1316	1354	38		0	0	
22	624 600	-2422	2458	36		-1316	-33	
23	635 660	-2485	2528	43		-2422	-60	
24	647 680	-1358	1406	48		-2485	-62	
25	656 880	-108	162	54		-1358	-34	
26	671 890	-136	199	63		-108	-3	
27	684 080	0	72	72		-136	-4	
28	694 570	0	101	101		0	0	
29	709 530	0	153	153		0	0	
30	721 560	0	82	82		0	0	
31	729 470	0	50	50		0	0	
JUNE 1	736 150	0	25	25		0	0	
2	742 820	0	34	34		0	0	
3	750 770	0	43	43		0	0	
4	758 740	0	34	34		0	0	
5	767 700	0	25	25		0	0	
6	775 200	-2126	2150	24		-2126	-53	
7	780 210	-3035	3058	23		-3035	-76	
8	786 230	-3413	3437	24		-3413	-85	
9	793 000	-3361	3386	25		-3361	-84	
10	800 050	-3194	3177	26		-3194	-80	
11	807 630	-2168	2895	727		-2168	-54	
12	811 930	-301	1531	1230		-301	-8	
13	820 010	-68	1358	1290		-68	-2	
14	824 830	-1162	2282	1120		-1162	-29	
15	830 430	-2550	3527	977		-2550	-64	
16	836 280	-3424	4424	1000		-3424	-86	
17	843 920	-1553	3283	1730		-1553	-39	
18	848 510	0	3290	3290		0	0	
19	849 020	0	3880	3880		0	0	
20	850 050	0	3910	3910		0	0	
21	852 610	0	3980	3980		0	0	
22	855 170	1471	2879	4350		1471	37	
23	857 230	1966	2894	4860		1966	49	
24	856 200	605	3825	4430		605	15	
25	855 170	0	3550	3550		0	0	
26	853 890	0	2840	2840		0	0	
27	853 890	0	2570	2570		0	0	
28	854 150	0	2820	2820		0	0	
29	852 870	0	3440	3440	0	0	0	
30	850 820	0	3550	3550	90	90	2	
JUL 1	849 280	0	3080	3080	90	90	2	

DATE	HEISE + RILEY			DIV. HEISE-SHELLEY			HEISE TO SHELLEY LOSS STORED	REXBURG	MARKET LAKE SPRINGS	DATE	SH.
	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL					
MAY 17			14 220								
18			15021			4087		3190		MAY 18	
19			16123			5220		3200		19	
20			15725			6188		3100		20	
21	0	13828	13828			6677		3170		21	
22	-1283	13793	12510			6828		3050		22	0
23	-2362	15175	12813			7050	-63	2470		23	-1120
24	-2423	16340	13917			7269	-115	2020		24	-2247
25	-1324	16144	14820			7620	-118	2060		25	-2305
26	-105	15527	15422			8122	-65	2260		26	-1259
27	-132	15337	15205			7906	-5	2360		27	-100
28	0	15712	15712			8066	-6	2280		28	-126
29	0	16619	16619			7924	0	2210		29	0
30	0	15615	15615			7203	0	2990		30	0
31	0	13310	13310			6506	0	2500		31	0
JUN 1	0	11809	11809			5826	0	2170		JUN 1	0
2	0	10408	10408			5392	0	1900		2	0
3	0	9998	9998			5372	0	1650		3	0
4	0	10724	10724			5403	0	1420		4	0
5	0	10724	10724			5397	0	1340		5	0
6	0	9604	9604			5386	0	1650		6	0
7	-2023	10847	8724			5501	-101	1480		7	0
8	-2959	11332	8373			6242	-145	1230		8	-1972
9	-3328	11799	8471			6138	-162	1000		9	-2814
10	-3277	12079	8802			5794	-160	902		10	-3166
11	-3119	11831	8712			5809	-152	1060		11	-3117
12	-2114	11466	9352			5378	-103	1260		12	-2967
13	-293	10995	10702			5421	-14	1450		13	-2011
14	-66	10368	10302			5758	-3	2950		14	-279
15	-1133	11235	10102			6134	-55	3990		15	-63
16	-2486	12588	10102			7084	-121	3680		16	-1078
17	-3338	14249	10911	0	7794	7794	-163	3080		17	-2365
18	-1514	13638	12124	259	7876	8135	-74	2690		18	-3175
19	0	12725	12725	212	7471	8183	0	2900		19	-1647
20	0	13624	13624	206	7963	8169	0	2670		20	-212
21	0	14432	14432	383	7940	8323	0	2240		21	-206
22	0	16335	16335	464	8165	8429	0	2300		22	-383
23	1437	16007	17441	658	8142	8800	70	2320		23	-464
24	1917	15522	17439	418	8653	9071	94	2360		24	700
25	590	14848	15438	376	8564	8940	29	2070		25	1400
26	0	13039	13039	488	8125	8613	0	1320		26	185
27	0	11837	11837	425	7916	8341	0	836		27	-48
28	0	11031	11031	230	7842	8092	0	660		28	-42
29	0	10670	10670	282	7873	8155	0	600		29	-23
30	0	11428	11428	379	7846	8225	0	562		30	-28
JUL 1	88	11343	11431	370	7998	8168	4	539		JUL 1	-32
2	88	10638	10726	122	7304	7426	4	534		2	-3

DAILY SUMMARY OF DATA AT AND BETWEEN SNAK

ET NGS	DATE	SHELLEY			DIV SHELLEY-BLACKFOOT			SHELLEY BLACKFOOT LOSS STORED	THEORETICAL BALANCE STORED AT BLACKFOOT	BLACKFOOT RIVER	CLOUGH			CALCULATED INFLOW CLOUGH TO NEELEY	DATE	AM. FALLS RESERVOIR Contents AcFt	NEELEY			LAKE WALCOTT Contents AcFt	MINI	
		STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL				STOR.	NORM.	TOTAL				STOR.	NORM.	TOTAL		NORTH	SO.
	MAY 18			12600	0		3439						9140									
	19			12600			3562						8630	2842	MAY 19	1710 440			11700	95670	1570	
	20			12600			3722						8850	2821	20	1708 960			11700	95670	1570	
	21			11200			3684						8510	2784	21	1711 200			11740	96150	1570	
	22	0	9260	9260			3660	0					6700	2762	22	1706 720	0	11600	11600	95180	1570	
	23	-1220	9120	7900			3673	-73	-1147		-1147	6037	6890	2717	23	1698880	2183	9417	11600	95710	1570	
	24	-2247	9777	7530			3783	-135	-2112		-2112	6052	3940	2689	24	1691590	2574	8726	11300	96030	1570	
	25	-2305	10515	8210			3829	-128	-2167		-2167	6067	3980	2674	25	1682060	1974	8726	10700	95770	1560	
	26	-1259	10579	9320			3912	-76	-1183		-1183	6073	4890	2659	26	1673660	1874	8726	10600	95670	1580	
	27	-100	10030	7930			3903	-6	-94		-94	6084	5990	2653	27	1668660	1974	8726	10700	95670	1610	
	28	-126	9776	9650			3927	-8	-118		-118	6088	5920	2642	28	1662020	1974	8726	10700	94950	1600	
	29	0	10300	10300			3870	0	0		0	5920	5920	2638	29	1654290	2074	8726	10800	94250	1530	
	30	0	11700	11700			3651	0	0		0	7390	7390	2639	30	1655390	1441	8559	10000	96150	1260	
	31	0	11300	11300			3191	0	0		0	8790	8790	267	31	1655940	-24	8594	8570	95430	983	
	JUN 1	0	9970	9920			2689	0	0		0	8430	8430	2697	JUN 1	1670320	-593	8793	8200	95550	983	
	2	0	8730	8730			2512	0	0		0	7250	7250	2748	2	1675340	-184	8674	8490	95430	983	
	3	0	7630	7630			2526	0	0		0	6100	6100	2778	3	1673100	-251	9121	8870	94600	981	
	4	0	7360	7360			2507	0	0		0	5370	5370	2799	4	1672580	439	8381	8820	95210	983	
	5	0	7840	7840			2434	0	0		0	5680	5680	2813	5	1673100	-5	7955	7950	95450	981	
	6	0	7900	7900			2361	0	0		0	6230	6230	2786	6	1674220	-512	8092	7580	94950	976	
	7	0	6700	6700			2493	0	0		0	5420	5420	2766	7	1675900	-45	8385	8320	94490	974	
	8	-1972	7032	5060			2776	-118	-1854		-1854	5154	3300	2751	8	1673100	1236	8094	9330	94950	1050	
	9	-2814	7074	4260			2893	-149	-2645		-2645	4585	1740	2741	9	1665340	1785	7895	9680	94950	1160	
	10	-3166	7226	4660			2921	-190	-2976		-2976	4286	1810	2742	10	1665500	2132	7327	9440	95180	1160	
	11	-3117	8387	5270			2927	-187	-2930		-2930	5310	2380	2745	11	1646550	1599	7521	9080	94190	1200	
	12	-2967	8507	5540			2883	-178	-2789		-2789	5339	2530	2733	12	1636040	1037	8043	9080	93900	1200	
	13	-2011	9041	7030			2940	-121	-1090		-1090	5260	3270	2719	13	1633830	922	8058	9030	95070	1210	
	14	-279	9289	9010			3012	-17	-262		-262	5612	5350	2712	14	1629410	1228	7972	9200	94490	1220	
	15	-63	8863	8800			3200	-4	-59		-59	5809	5750	2702	15	1624430	1366	8314	9680	94720	1280	
	16	-1078	9018	7940			3329	-65	-1013		-1013	5813	4800	2694	16	1618350	1497	8503	10000	94490	1330	
	17	-2365	9065	6700			3366	-142	-2223		-2223	5783	3560	2680	17	1613440	1487	8433	9780	94950	1400	
	18	-3125	9615	6440			3460	-191	-2984		-2984	5744	2760	2673	18	1605290	1524	8446	9920	94720	1470	
	19	-1699	8959	7260			3540	-102	-1577		-1577	4807	3210	2655	19	1596590	1101	8399	9500	95550	1490	
	20	-212	7842	7630			3566	-13	-199		-199	3959	3260	2646	20	1590420	1747	7453	9200	95180	1490	
	21	-206	8246	8040			3490	-12	-194		-194	4534	4340	2643	21	1586270	2308	6602	8910	95410	1480	
	22	-383	8903	8520			3457	-23	-360		-360	4920	4560	2641	22	1581920	1985	7175	9160	95310	1480	
	23	-464	10294	9830			3533	-28	-436		-436	5876	5440	2627	23	1573770	2213	7547	9740	94840	1470	
	24	706	10194	10900			3551	84	-174		-174	5796	5920	2621	24	1571660	1703	8497	10200	94760	1480	
	25	1405	8995	10400			3334	11	-459		-459	4059	3600	2624	25	1571050	1870	8430	10300	95670	1430	
	26	185	7885	8070			3409	-29	-400		-400	2740	2340	2621	26	1568880	1420	8380	9800	95670	1380	
	27	-488	6828	6340			3356	-25	-216		-216	1256	1040	2614	27	1565080	1180	8410	9570	95430	1380	
	28	-425	5225	4800			3363	-14	-265		-265	867	602	2606	28	1558630	3225	6665	9870	95310	1400	
	29	-230	4290	4060			3386	-17	-356	15	-356	768	412	2592	29	1545320	1268	5322	10600	94720	1440	
	30	-282	4062	3780			3503	-23	-269	8	-269	1059	790	2586	30	1530420	2658	3842	11500	95180	1460	
	JUL 1	-277	4749	4370			3544	-17	-36	4	-36	1056	1020	2580	JUL 1	1574980	8153	3447	11400	95910	1570	
	2	-284	5194	4860			3442	-2						2563	2	1496020	8169	3331	11500	95530	1620	
	3	-38	4538	4200	0									2572	3	1482940	7569	2621	11200	92110	1640	
														2574	4	1468280	7170	3670	10800	96990	1650	

AND BETWEEN SNAKE RIVER GAGING STATIONS 1937

FEET EXCEPT AS NOTED

DATE	NEELEY			LAKE WALCOTT Contents Ac Ft	MINIDOKA CANALS			HOWELLS			DATE	MILNER LAKE GAGE	GOODING PROJECT			NORTH SIDE CANAL CO		
	STOR.	NORM.	TOTAL		NORTH	SOUTH	TOTAL	STOR.	NORM.	TOTAL			STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL
MAY 10			11700	95670	1570	1280	2850			8670	MAY 20	10.52			1080	100	40	1070
17			11700	95670	1570	1280	2850			8760	21	10.50			1080	100	40	1070
18			11700	96150	1570	1260	2830			8770	22	10.54			1080	100	40	1070
19	0	11600	11600	95180	1570	1220	2790	0	0	8720	23	10.52	0	1080	1080	100	40	1070
20	2183	9417	11600	95710	1570	1240	2810	84	2726	2059	24	10.56	1080	0	1080	100	40	1070
21	2574	8726	11300	96030	1570	1270	2840	114	2726	2580	25	10.51	1120	0	1120	100	40	1110
22	1974	8726	10700	95790	1540	1260	2820	94	2726	1800	26	10.54	1160	0	1160	100	40	1150
23	1874	8726	10600	95670	1580	1260	2840	114	2726	1910	27	10.46	1170	0	1170	100	40	1160
24	1974	8726	10700	95670	1610	1240	2850	124	2726	1880	28	10.36	1160	0	1160	100	40	1150
25	1974	8726	10700	94950	1600	1150	2750	24	2726	1830	29	10.18	1150	0	1150	100	40	1140
26	2074	8726	10800	94250	1530	1200	2730	4	2726	1830	30	10.66	1170	0	1170	100	40	1160
27	1441	8559	10000	96150	1240	814	2074	0	2074	2095	31	10.83	1180	0	1180	100	40	1170
28	-24	8594	8570	95430	983	692	1675	0	1675	201	JUN. 1	10.92	320	850	1170	100	40	1160
29	-593	8793	8200	95550	983	568	1551	0	1551	-672	2	10.88	310	850	1160	100	40	1150
30	-184	8674	8490	95430	983	437	1420	0	1420	-244	3	10.75	300	850	1150	100	40	1140
31	-251	9121	8870	94600	981	414	1395	0	1395	-406	4	10.96	310	850	1160	100	40	1150
JUN 1	439	8381	8820	95910	983	472	1455	0	1455	474	5	11.04	642	518	1160	100	40	1150
2	-5	2955	2950	95550	981	508	1489	0	1489	244	6	10.84	913	237	1150	100	40	1140
3	-572	8092	2580	94950	976	558	1534	0	1534	-248	7	10.58	766	374	1140	100	40	1130
4	-63	8385	8320	94490	974	674	1648	0	1648	-347	8	10.72	520	610	1130	100	40	1120
5	1236	8094	9330	94950	1050	744	1794	0	1794	770	9	10.36	1064	76	1140	100	40	1130
6	1785	7895	9680	94950	1100	803	1903	0	1903	1548	10	10.65	1150	0	1150	100	40	1140
7	2133	7387	9440	95180	1160	845	2005	277	1726	1909	11	10.66	1150	0	1150	100	40	1140
8	1549	7531	9080	94140	1200	848	2048	322	1726	1175	12	10.44	1100	0	1100	100	40	1130
9	1037	8043	9080	93900	1200	851	2051	0	2051	908	13	10.70	1070	0	1070	100	40	1120
10	972	8058	9030	95070	1210	848	2058	0	2058	1070	14	10.75	1070	0	1070	100	40	1120
11	1228	7972	9200	94490	1220	959	2179	198	1981	959	15	10.46	1070	0	1070	100	40	1120
12	1366	8314	9680	94720	1280	1160	2440	0	2440	1026	16	10.51	1070	0	1070	100	40	1120
13	1497	8503	10000	94490	1350	1270	2620	0	2620	1157	17	10.76	1070	0	1070	100	40	1120
14	1487	8493	9980	94950	1400	1290	2690	0	2690	1317	18	10.76	1080	0	1080	100	40	1120
15	1524	8456	9980	94720	1470	1230	2700	0	2700	1124	19	10.92	1080	0	1080	100	40	1120
16	1101	8399	9500	95550	1490	1150	2640	0	2640	1081	20	11.06	1090	0	1090	100	40	1120
17	1747	7453	9200	95180	1490	1080	2570	844	1726	713	21	11.04	1090	0	1090	100	40	1120
18	2308	6602	8910	95910	1480	1090	2570	844	1726	1334	22	10.80	1080	0	1080	100	40	1120
19	1985	7175	9160	95310	1480	1140	2620	844	1726	841	23	10.60	1070	0	1070	100	40	1120
20	2213	7547	9760	94840	1470	1110	2580	844	1726	1129	24	10.71	1080	0	1080	100	40	1120
21	1703	8497	10200	94950	1480	1030	2510	13	2497	1320	25	10.92	1120	0	1120	100	40	1120
22	1870	8430	10300	95670	1430	1000	2430	0	2430	1600	26	10.97	1130	0	1130	100	40	1120
23	1420	8380	9800	95670	1380	1000	2380	0	2380	1260	27	10.78	1130	0	1130	100	40	1120
24	1180	8410	9590	95430	1380	1030	2410	764	1726	930	28	10.68	1130	0	1130	100	40	1120
25	3225	6665	9890	95310	1400	1090	2490	914	1726	2381	29	10.54	1120	0	1120	100	40	1120
26	5268	5332	10600	94720	1440	1200	2640	2258	442	3904	30	10.58	1120	0	1120	100	40	1120
27	7658	3842	11500	95180	1460	1240	2700	2813	47	4600	JUL. 1	10.83	1130	0	1130	100	40	1120
28	8153	3447	11600	95910	1570	1290	2860	2780	0	4720	2	10.83	1150	0	1150	100	40	1130
29	8169	3331	11500	95550	1620	1300	2920	2707	231	4609	3	10.84	1180	0	1180	100	40	1130
30	7569	3631	11200	97110	1640	1300	2940	2720	230	4480	4	10.74	1180	0	1180	100	40	1130
JUL. 1	7170	3630	10800	96990	1650	1300	2950	2720	230	4480	5	10.65	1180	0	1180	100	40	1130

DATE	NORTH SIDE CANAL CO.							TWIN FALLS CAN. CO.			MILNER LOW LIFT			SNAKE R. AT MILNER		
	STL	GODDING	R.R.	MAIN	TOTAL	STOR.	NORM	STOR	NORM	TOTAL	STOR.	NORM	TOTAL	STOR.	NORM	TOTAL
MAY 16	0	720	62	2570	3352					3350			153			740
17	0	710	62	2540	3312					3340			152			1360
18	0	710	62	2540	3312					3350			150			784
19	0	710	62	2600	3372	0	3372	0	3360	3360			147			642
20	0	720	62	2650	3432	101	3331	0	3360	3360	148	0	148	808	0	808
21	0	710	62	2630	3402	402	3000	330	3000	3330	147	0	147	76	0	76
22	0	720	62	2610	3392	392	3000	320	3000	3320	147	0	147	23	0	23
23	0	730	62	2620	3412	412	3000	320	3000	3320	146	0	146	14	0	14
24	0	720	62	2580	3362	362	3000	300	3000	3300	147	0	147	13	0	13
25	0	710	62	2520	3292	292	3000	240	3000	3240	148	0	148	12	0	12
26	0	720	62	2590	3382	382	3000	300	3000	3300	143	0	143	781	0	781
27	0	720	62	2330	3112	0	3112	0	2820	2820	0	119	119	1076	434	1510
28	0	720	62	2280	3062	0	3062	0	2850	2850	0	132	132	0	25	25
29	0	720	62	2410	3192	0	3192	0	3040	3040	0	136	136	0	24	24
30	0	710	62	2380	3152	0	3152	0	3090	3090	0	140	140	0	22	22
31	0	720	62	2410	3192	0	3192	0	3090	3090	0	144	144	0	450	450
JUNE 1	0	730	62	2350	3142	0	3142	0	3090	3090	0	144	144	0	32	32
2	0	720	62	2260	3042	0	3042	0	3020	3020	0	143	143	0	24	24
3	0	710	62	2290	3062	0	3062	0	2970	2970	0	132	132	0	20	20
4	0	700	62	2250	3012	0	3012	0	2970	2970	0	132	132	0	13	13
5	0	700	62	2260	3022	0	3022	0	3040	3040	0	150	150	0	12	12
6	0	720	62	2210	2992	0	2992	70	3000	3070	120	0	120	15	0	15
7	0	720	62	2140	2922	321	2601	60	3000	3060	150	0	150	15	0	15
8	0	710	62	2100	2872	66	2805	10	3000	3010	151	0	151	12	0	12
9	0	720	62	2210	2992	0	2992	90	3000	3090	152	0	152	12	0	12
10	0	730	62	2230	3022	22	3000	60	3000	3060	144	0	144	13	0	13
11	0	730	61	2200	2991	0	2991	0	3000	3000	136	0	136	13	0	13
12	0	720	61	2180	2961	0	2961	0	2900	2900	135	0	135	0	13	13
13	0	730	61	2220	3011	11	3000	0	2870	2870	124	0	124	0	13	13
14	0	730	61	2220	3011	11	3000	0	2790	2790	125	0	125	0	13	13
15	0	750	61	2270	3081	81	3000	0	2740	2740	124	0	124	0	14	14
16	0	750	61	2280	3091	91	3000	0	2740	2740	119	0	119	0	17	17
17	0	750	61	2250	3061	87	2974	0	2730	2730	110	0	110	0	23	23
18	0	730	61	2240	3031	957	2072	0	2790	2790	122	0	122	0	14	14
19	0	720	61	2360	3141	612	2529	0	2910	2910	123	0	123	0	10	10
20	0	720	61	2490	3271	407	2864	0	2950	2950	124	0	124	0	7	7
21	0	730	61	2580	3371	371	3000	60	3000	3060	125	0	125	9	0	9
22	0	740	61	2540	3341	341	3000	280	3000	3280	124	0	124	10	0	10
23	0	730	61	2500	3291	291	3000	240	3000	3240	124	0	124	9	0	9
24	0	730	61	2540	3331	331	3000	280	3000	3280	149	0	149	8	0	8
25	0	710	61	2560	3331	1392	1939	320	3000	3320	150	0	150	7	0	7
26	0	710	61	2580	3351	2745	406	350	3000	3350	150	0	150	7	0	7
27	0	720	61	2700	3481	3081	400	350	3000	3350	152	0	152	8	0	8
28	0	730	61	2690	3481	3081	400	380	3000	3380	150	0	150	9	0	9
29	0	730	61	2710	3501	3109	392	481	2739	3420	150	0	150	9	0	9
30	0	730	61	2750	3541	3141	400	420	3000	3420	148	0	148	9	0	9
JUL 1	0	730	61	2770	3561	3161	400	440	3000	3460	148	0	148	9	0	9

DATE	JACKSON LAKE Contents Ac. Ft.	MORAN			TWIN LAKES STORED	MORAN + TWIN LAKES STORED	MORAN TO HEISE LOSS STORED	DIVERSIONS MORAN TO HEISE STORED	DATE	HEISE + RILEY			DIV. HEISE-SHELLEY			HEISE TO SHELLEY LOSS STORED	REXBURG	MARINET LAKE SPRINGS	DATE	SHELLEY	
		STOR.	NORM.	TOTAL						STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL					STOR.	
JUL 2	842 220	1650	1900	3550	90	1240	31		JUL 3	1209	9617	10426	103	2164	2267	59	521		JUL 4	1047	
3	845 190	1940	1650	3590	90	2030	51		4	1979	8148	10127	62	2156	2218	97	512		5	1820	
4	840 350	3329	1621	4950	88	3427	86		5	3341	7785	10126	1027	6204	2231	163	516		6	2151	
5	824 250	3081	1949	5030	85	3166	79		6	3087	8139	11226	875	6295	2620	151	548		7	2061	
6	828 140	2092	2658	4750	85	2177	54	0	7	2123	9003	11126	944	6619	2563	104	710		8	1075	
7	824 320	2460	1600	4060	85	2595	64	3	8	2478	7848	10326	787	6487	2224	121	863		9	1570	
8	819 500	2300	1500	3800	80	2380	60	3	9	2317	7911	10228	597	6524	7121	113	934		10	1607	
9	815 720	1500	1450	2950	80	1580	40	3	10	1537	7807	9344	76	6537	6613	75	1020		11	1386	
10	813 190	700	1400	2100	80	780	20	3	11	757	7427	8194	-304	6543	6239	37	1040		12	1024	
11	811 670	1770	1350	3120	78	1848	46	3	12	1799	6635	8434	-115	6449	6534	38	912		13	1826	
12	807 380	3210	1300	4510	75	3285	82	3	13	3200	6269	9469	256	6562	6818	156	745		14	2788	
13	800 310	4190	1300	5490	72	4262	106	3	14	4153	6489	10612	1149	6564	7713	203	665		15	2801	
14	792 000	3216	2484	5700	70	3286	82	6	15	3198	7619	10817	1242	6589	7291	156	670		16	1800	
15	785 230	3918	1382	5300	68	3986	100	6	16	3880	6637	10517	1336	6606	7942	189	695		17	2355	
16	777 960	3772	1208	5000	65	3857	96	6	17	3755	6004	9759	1568	6447	8015	183	715		18	2011	
17	770 440	4396	1064	5460	60	4456	111	3	18	4342	5381	9723	1509	6456	7965	212	645		19	2628	
18	761 720	4769	1331	6100	55	4824	120	3	19	4701	5518	10219	1746	6439	8185	230	544		20	2731	
19	752 260	4880	1380	6260	52	4932	123	3	20	4806	5613	10419	1941	6438	8379	235	480		21	2636	
20	742 580	4986	1114	6100	48	5034	126	10	21	4898	5106	10004	1929	6412	8341	239	421		22	2735	
21	732 690	5859	1091	6950	45	5904	148	10	22	5746	4778	10524	2116	5911	8027	280	404		23	3354	
22	721 070	6065	1285	7350	40	6105	153	11	23	5941	4283	10724	2625	5510	8135	290	387		24	3030	
23	709 040	6191	1419	7610	36	6227	156	9	24	6042	5063	11125	2673	5467	8140	296	371		25	3098	
24	696 760	6025	1345	7370	30	6055	151	12	25	5892	4933	10825	3041	5096	8137	287	371		26	2570	
25	684 810	5531	1529	7110	26	5557	139	15	26	5403	5122	10525	3083	4958	8041	264	367		27	2062	
26	673 840	5375	1515	6890	23	5398	135	15	27	5248	4976	10224	3187	4656	7843	256	367		28	1812	
27	663 180	5617	1333	6950	20	5637	141	15	28	5481	4746	10227	3179	4850	8029	267	367		29	2043	
28	652 040	6075	1035	7110	16	6091	152	10	29	5929	4300	10229	3259	4739	7948	289	363		30	2413	
29	639 990	6010	1000	7010	12	6022	150	10	30	5862	4143	10005	3477	4503	7930	284	367		31	2114	
30	628 920	5610	950	6560	8	5618	140	10	31	5468	4534	10002	3315	4463	7778	267	375		1 AUG 1	1894	
31	618 380	4940	1340	6280	0	4940	123	10	1 AUG 1	4807	5393	10200	2388	4532	6920	235	391		2	2191	
1 AUG 1	610 260	3960	1360	5320		3960	99	20	2	3841	5219	9060	2359	4581	6940	188	391		3	1301	
2	601 660	4188	1242	5430		4188	105	20	3	4063	4837	8900	2279	4565	6844	198	391		4	1593	
3	592 170	4590	940	5530		4590	115	20	4	4455	4475	8930	2392	4554	6946	217	391		5	1855	
4	582 920	3810	930	4740		3810	95	20	5	3695	4654	8349	1840	4555	6395	180	391		6	1681	
5	576 040	2340	910	3250		2340	58	20	6	2262	4717	6979	1923	4603	6526	110	391		7	235	
6	571 180	2230	900	3130		2230	56	20	7	2154	4453	6607	1846	4447	6293	105	391		8	209	
7	565 910	2500	890	3390		2500	62	20	8	2418	4038	6456	1456	4422	6078	108	379		9	660	
8	559 550	4350	870	5220		4350	109	20	9	4221	3329	7550	1889	4402	6291	206	375		10	8132	
9	548 980	5990	860	6850		5990	150	20	10	5820	3389	9209	1986	4536	6522	284	367		11	3556	
10	537 280	6080	850	6930		6080	152	20	11	5908	3661	9569	2747	4450	7217	288	379		12	2859	
11	526 020	5960	830	6790		5960	149	20	12	5791	3478	9269	3175	4100	7275	282	371		13	2340	
12	514 220	6040	810	6850		6040	151	20	13	5869	3500	9369	2948	4083	7031	287	426		14	2640	
13	502 860	5680	790	6470		5680	142	20	14	5518	3556	9074	3026	4108	7134	269	534		15	2329	
14	492 010	5100	770	5870		5100	127	20	15	4953	3736	8689	2904	4129	7033	242	520		16	1813	
15	482 550	4760	750	5510		4760	119	20	16	4621	3698	8319	2512	4238	6750	225	520		17	1890	
16	473 620	4680	740	5420		4680	117	15	17	4548	3651	8199	2590	4173	6743	222	530		18	1742	
17	464 910	4490	730	5220		4490	112	10	18	4368	3670	8038	2353	4164	6517	213	548		19	1808	

DAILY SUMMARY OF DATA AT AND BETWEEN S

SHEET NO.	DATE	SHELLEY			DIV. SHELLEY-BLACKFOOT			SHELLEY BLACKFOOT LOSS STORED	THEORETICAL BALANCE STORED AT BLACKFOOT	BLACKFOOT RIVER	CLOUGH			CALCULATED INFLOW CLOUGH TO NEELEY	DATE	AM. FALLS RESERVOIR Contents ACF.	NEELEY			LAKE WILCOX Contents ACF.
		STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL				STOR.	NORM.	TOTAL				STOR.	NORM.	TOTAL	
		1897	3013	4060	10	3310	3340				617	158	775				3263	2727	11000	
1	5	1820	2300	4120	10	3213	3223	62	925	8	417	158	775	2579	JUL 5	1453160	3263	2727	11000	95420
2	6	2157	2569	4726	428	3125	3553	109	1701	7	452	157	609	2585	6	1430230	9148	2742	11900	94950
3	7	2041	2119	5180	388	3116	3504	103	1620	6	732	156	938	2598	7	1424270	9456	2744	12200	95430
4	8	1875	4535	5410	274	3102	3378	100	1573	6	920	156	1080	2598	8	1406280	9144	2754	11900	96370
5	9	1570	3970	5540	0	2657	2657	98	1474	13	1547	163	1710	2625	9	1396770	8412	2788	11200	97110
6	10	1607	3873	5480	0	2655	2655	94	1474	109	2161	259	2420	2634	10	1388700	8005	2895	10900	97110
7	11	1386	3564	4950	0	2804	2804	96	1511	149	2631	299	2950	2634	11	1379120	7947	2933	10900	96180
8	12	1824	2996	4020	0	2860	2860	83	1303	42	2148	192	2360	2633	12	1367010	8875	2825	11700	95310
9	13	1824	1954	3780	21	2842	2863	61	943	81	1459	231	1660	2630	13	1348970	9239	2861	12100	95120
10	14	2788	1532	4320	424	2466	2890	148	1697	143	705	293	998	2631	14	1334120	8876	2924	11800	96030
11	15	2801	1747	4550	644	2361	3005	142	2222	92	808	242	1050	2629	15	1319740	8229	2871	11100	95910
12	16	1800	2750	4550	927	2151	3078	138	2009	39	1181	189	1370	2624	16	1304240	8187	2813	11000	94950
13	17	2355	1885	4240	953	2179	3132	52	821	23	1127	173	1310	2617	17	1290200	8110	2790	10900	94970
14	18	2011	1579	3590	1144	1924	3068	51	1318	11	949	161	1130	2622	18	1274730	8717	2783	11700	94470
15	19	2622	702	3320	1376	1658	3034	75	794	6	520	156	684	2614	19	1257680	9330	2770	12100	94250
16	20	2731	619	3350	1443	1580	3023	74	1177	5	190	155	345	2599	20	1240280	9646	2754	12400	95430
17	21	2636	734	3370	1514	1581	3095	67	1202	5	68	155	223	2580	21	1219300	9665	2735	12400	96150
18	22	2735	325	3060	1863	1132	2695	70	1055	2	20	152	172	2573	22	1200740	9175	2725	11900	96630
19	23	3354	66	3420	1617	1184	2801	100	1102	1	15	151	166	2562	23	1183320	8787	2713	11500	96270
20	24	3030	700	3730	1713	1235	2948	79	1633	1	12	151	163	2541	24	1164840	8808	2692	11500	96150
21	25	3078	992	4070	1774	1196	2972	79	1238	1	30	151	181	2534	25	1147680	9015	2685	11700	95430
22	26	2570	1350	3920	1757	1187	2944	49	1247	1	335	151	486	2535	26	1131230	9314	2686	12000	95180
23	27	2062	1688	3750	1811	1104	2915	15	764	1	589	151	740	2543	27	1115110	9206	2694	11700	94720
24	28	2812	1648	3460	1813	1083	2896	0	236	1	945	151	596	2546	28	1097070	9203	2697	11700	94470
25	29	2043	1227	3270	1782	1070	2852	16	-1	1	345	151	516	2548	29	1079040	9201	2699	11700	94470
26	30	2413	877	3290	1782	1070	2852	16	245	1	194	151	345	2550	30	1058140	9397	2701	12100	94720
27	31	2114	1236	3350	1706	1037	2743	24	604	1	181	151	332	2551	31	1043420	9198	2702	11900	95550
28	AUG 1	1894	2126	4020	1167	880	2047	44	384	1	311	151	462	2561	AUG 1	1025570	8388	2712	11100	95530
29	2	2191	2329	4520	1114	967	2081	64	683	3	877	153	1030	2577	2	1013140	7970	2730	10700	95670
30	3	1301	2339	3640	1074	888	1962	14	1013	99	2021	289	2270	2581	3	1002240	7570	2830	10400	95430
31	4	1593	1777	3370	1073	1045	2118	31	213	25	1625	175	1800	2588	4	990230	7427	2763	10200	94070
32	5	1853	1417	3270	1522	1065	2587	20	489	5	1115	155	1270	2602	5	978940	7443	2757	10200	94250
33	6	1681	1189	2870	1465	951	2416	13	311	2	683	152	835	2613	6	961830	8235	2765	11000	93320
34	7	235	2045	2280	669	935	1604	-24	203	2	406	152	558	2600	7	945560	8648	2752	11400	93320
35	8	209	1711	1920	396	959	1355	-11	-408	2	298	152	450	2602	8	929470	8746	2754	11500	94140
36	9	660	1120	1780	428	897	1325	14	-176	1	293	151	444	2605	9	912480	8744	2756	11500	94020
37	10	8122	-172	1960	256	674	1430	81	218	1	288	151	437	2592	10	895080	8757	2743	11500	94600
38	11	3556	-796	2760	1586	713	2299	118	1295	1	171	151	322	2581	11	880970	8462	2732	11400	95470
39	12	2257	61	2920	1761	697	2458	66	1852	1	167	151	318	2554	12	865280	8595	2705	11200	95670
40	13	2340	700	3040	1894	688	2582	27	1032	1	145	151	296	2541	13	848420	8508	2692	11200	95670
41	14	2650	630	3270	1901	721	2622	44	919	1	219	151	370	2540	14	830840	8409	2691	11200	95670
42	15	2229	901	3130	1807	694	2501	25	695	1	271	151	422	2548	15	814420	8401	2699	11100	95470
43	16	1813	1167	2980	1695	707	2404	7	397	1	445	151	596	2555	16	802540	8394	2706	11100	95670
44	17	1840	960	2850	1255	708	1763	41	111	1	445	151	616	2560	17	786970	8389	2711	11100	95180
45	18	1745	1018	2760	1061	701	1762	48	597	1	624	151	775	2565	18	768570	8784	2716	11500	94250
46	19	1808	972	2780	1008	697	1707	48	640	1	697	151	850	2568	19	752350	8681	2719	11400	94720
47	20								752	1	763	151	914	2573	20	740240	8676	2724	11300	94950

AND BETWEEN SNAKE RIVER GAGING STATIONS 1937

FEET EXCEPT AS NOTED

S IR FE	NEELEY			LAKE WALCOTT Contents Ac.Ft.	MINIDOKA CANALS				HOWELLS			DATE	MILNER LAKE GAGE	GOODING PROJECT			NORTH SIDE CANAL					
	STOR	NORM	TOTAL		NORTH	SOUTH	TOTAL	STOR.	NORM	STOR.	NORM			TOTAL	STOR.	NORM	TOTAL	GOODING	P.A.	MAIN	TOTAL	STOR
260	8263	2237	11000	95430	1640	1280	2920	2920	0	5383	2237	8120	JUL 6	10.66	1180	0	1180	730	60	2860	3650	330
250	9158	2242	11900	94950	1640	1270	2910	2910	0	5868	2242	8610	7	10.74	1190	0	1190	730	60	2880	3670	324
370	9456	2244	12200	95430	1640	1310	2950	2950	0	6004	2244	8750	8	11.06	1200	0	1200	730	60	2850	3640	321
480	9146	2254	11900	96390	1650	1320	2970	2970	0	5386	2254	8140	9	10.96	1190	0	1190	730	61	2810	3601	328
770	8412	2288	11200	97110	1650	1310	2960	2960	0	5092	2288	7880	10	10.78	1180	0	1180	710	60	2840	3610	323
700	8005	2295	10900	97110	1640	1290	2930	2930	0	5195	2295	8090	11	10.70	1210	0	1210	710	60	2850	3620	321
120	7967	2933	10900	96150	1640	1270	2910	2910	0	5297	2933	8230	12	10.65	1230	0	1230	720	60	2890	3670	321
310	8875	2825	11700	95310	1620	1260	2880	2880	0	5705	2825	8610	13	10.80	1230	0	1230	720	60	2950	3730	321
770	7239	2861	12100	95430	1570	1280	2850	2850	0	5949	2861	7810	14	10.73	1240	0	1240	720	61	2970	3771	314
120	8876	2924	11800	96030	1590	1300	2890	2890	0	5776	2924	8700	15	11.06	1240	0	1240	740	61	2940	3741	321
760	8229	2871	11100	95910	1500	1240	2740	2740	0	5829	2871	8700	16	11.00	1240	0	1240	740	61	2920	3721	321
440	8187	2813	11000	94950	1460	1230	2690	2690	0	5647	2813	8460	17	10.96	1230	0	1230	740	61	2950	3751	314
700	8110	2790	10900	94490	1460	1260	2720	2720	0	5620	2790	8410	18	10.86	1230	0	1230	730	61	2900	3741	314
730	8917	2783	11700	94490	1460	1260	2720	2720	0	5887	2783	8670	19	10.88	1230	0	1230	730	61	2960	3751	314
580	9330	2770	12100	94250	1480	1260	2740	2740	0	5980	2770	8750	20	10.90	1230	0	1230	730	61	2970	3761	314
880	9644	2754	12400	95430	1540	1290	2830	2830	0	6026	2754	8780	21	10.84	1230	0	1230	730	61	2940	3731	314
700	9665	2735	12400	96150	1590	1310	2900	2900	0	6135	2735	8870	22	10.96	1240	0	1240	800	61	2950	3811	314
740	9175	2725	11900	96630	1600	1310	2910	2910	0	6265	2725	8990	23	10.96	1240	0	1240	900	61	2890	3851	314
720	8787	2713	11500	96270	1600	1220	2820	2820	0	6007	2713	8720	24	10.94	1270	0	1270	940	61	2810	3811	314
840	8808	2692	11500	96150	1590	1230	2920	2920	0	5948	2692	8640	25	10.85	1280	0	1280	940	61	2770	3771	314
580	9015	2685	11700	95430	1590	1320	2910	2910	0	5985	2685	8670	26	10.90	1280	0	1280	930	61	2790	3781	314
730	9314	2686	12000	95180	1590	1310	2900	2900	0	6094	2686	8780	27	10.96	1280	0	1280	950	61	2800	3811	314
110	9206	2694	11700	94720	1590	1330	2920	2920	0	6086	2694	8780	28	10.97	1280	0	1280	950	61	2810	3821	314
270	9203	2697	11900	94490	1590	1340	2930	2930	0	5883	2697	8580	29	10.92	1280	0	1280	950	62	2840	3852	314
240	9201	2699	11900	94490	1590	1340	2930	2930	0	5821	2699	8520	30	10.83	1270	0	1270	950	62	2790	3802	314
140	9399	2701	12100	94720	1570	1340	2910	2910	0	5939	2701	8640	31	10.90	1270	0	1270	950	60	2740	3800	314
620	9198	2702	11900	95550	1340	1270	2610	2610	0	6018	2702	8720	AUG 1	10.94	1270	0	1270	960	62	2750	3762	314
590	8388	2712	11100	95550	972	1170	2142	2142	0	6008	2712	8720	2	11.05	1290	0	1290	960	62	2760	3782	314
140	7970	2730	10700	95670	1170	1080	2250	2250	0	5730	2730	8460	3	11.04	1290	0	1290	960	62	2710	3702	314
840	7570	2830	10400	95430	1250	1020	2270	2270	0	5430	2830	8260	4	10.92	1280	0	1280	930	62	2660	3642	314
830	7437	2763	10200	95070	1200	1020	2220	2220	0	5327	2763	8090	5	10.72	1270	0	1270	920	62	2630	3612	314
740	7443	2757	10200	94250	1220	1050	2270	2270	0	5413	2757	8170	6	10.62	1200	0	1200	910	62	2640	3612	314
730	8235	2765	11000	93320	1240	1130	2370	2370	0	5615	2765	8380	7	10.67	1160	0	1160	920	62	2660	3642	314
560	8648	2752	11400	93320	1280	1200	2480	2480	0	5748	2752	8520	8	10.76	1170	0	1170	920	62	2700	3682	314
670	8746	2754	11500	94190	1330	1250	2580	2580	0	5686	2754	8440	9	10.70	1120	0	1120	910	62	2690	3662	314
680	8744	2756	11500	94020	1360	1250	2610	2610	0	5624	2756	8380	10	10.70	1100	0	1100	920	62	2680	3662	314
880	8757	2743	11500	94600	1360	1210	2570	2570	0	5667	2743	8410	11	10.72	1100	0	1100	920	62	2670	3652	314
770	8668	2732	11400	95430	1380	1210	2590	2590	0	5648	2732	8380	12	10.76	1100	0	1100	910	62	2680	3652	314
280	8595	2705	11300	95670	1460	1210	2670	2670	0	5645	2705	8350	13	10.77	1070	0	1070	910	61	2670	3641	314
420	8508	2692	11200	95670	1490	1220	2710	2710	0	5628	2692	8320	14	10.71	1060	0	1060	920	60	2670	3640	314
890	8409	2691	11100	95670	1490	1230	2720	2720	0	5569	2691	8260	15	10.61	1060	0	1060	910	60	2650	3630	314
520	8401	2699	11100	95430	1490	1220	2710	2710	0	5531	2699	8230	16	10.66	1060	0	1060	920	61	2620	3611	314
590	8394	2706	11100	95670	1480	1230	2710	2710	0	5554	2706	8260	17	10.67	1060	0	1060	920	61	2630	3601	314
770	8389	2711	11100	95180	1480	1230	2710	2710	0	5579	2711	8290	18	10.54	1060	0	1060	910	61	2650	3631	314
580	8784	2716	11500	94250	1470	1200	2670	2670	0	5694	2716	8410	19	10.62	1060	0	1060	920	61	2630	3611	314
760	8681	2719	11400	94720	1470	1200	2670	2670	0	5741	2719	8460	20	10.75	1060	0	1060	920	61	2630	3611	314
240	8576	2724	11300	94450	1470	1200	2670	2670	0	5626	2724	8350	21	10.76	1060	0	1060	920	61	2580	3561	314

FEET

S TR DATE	NCT	NORTH SIDE CANAL CO.						TWIN FALLS CAN. CO.			MILNER LOW LIFT			SNAKE R. AT MILNER		
		STOR. AL	GOODING	P.A.	MAIN	TOTAL	STOR. NORM	STOR.	NORM	TOTAL	STOR.	NORM	TOTAL	STOR.	NORM	TOTAL
JUL 140	326180	730	60	2860	3650	3328	322	1115	2415	3530	157	0	157	8	0	8
250	915190	730	60	2880	3670	3347	323	1141	2419	3560	161	0	161	10	0	10
370	945200	730	60	2850	3640	3317	323	1089	2421	3510	146	0	146	18	0	18
480	914190	730	61	2810	3601	3277	324	1030	2430	3460	162	0	162	12	0	12
770	841180	710	60	2840	3610	3282	328	1000	2460	3460	161	0	161	8	0	8
700	800210	710	60	2850	3620	3279	341	906	2554	3460	160	0	160	7	0	7
120	796130	720	60	2890	3670	3325	345	882	2588	3470	161	0	161	7	0	7
010	887230	720	60	2950	3730	3398	332	1057	2493	3550	162	0	162	8	0	8
770	723240	720	61	2990	3771	3434	337	996	2524	3520	166	0	166	72	0	72
120	887240	740	61	2940	3741	3397	344	900	2580	3480	164	0	164	268	0	268
760	822240	740	61	2920	3721	3383	338	927	2533	3460	166	0	166	193	0	193
440	818230	740	61	2950	3751	3420	331	1018	2482	3500	168	0	168	198	0	198
800	811230	730	61	2950	3741	3413	328	1078	2462	3540	169	0	169	198	0	198
730	891130	730	61	2960	3751	3423	328	1135	2455	3590	172	0	172	196	0	196
680	933130	730	61	2970	3761	3435	326	1166	2444	3610	172	0	172	196	0	196
880	964130	730	61	2940	3731	3407	324	1180	2430	3610	172	0	172	196	0	196
900	966140	800	61	2950	3811	3489	322	1177	2413	3590	172	0	172	196	0	196
740	917240	900	61	2890	3851	3530	321	1166	2404	3570	172	0	172	198	0	198
720	878170	940	61	2810	3811	3492	319	1216	2394	3610	172	0	172	198	0	198
840	880180	940	61	2770	3771	3454	317	1235	2375	3610	172	0	172	198	0	198
680	901280	930	61	2790	3781	3465	316	1271	2369	3640	171	0	171	198	0	198
330	931280	950	61	2800	3811	3495	316	1260	2370	3630	168	0	168	202	0	202
110	920280	950	61	2810	3821	3504	317	1253	2377	3630	167	0	167	202	0	202
270	920280	950	62	2840	3852	3535	317	1250	2380	3630	169	0	169	206	0	206
040	920270	950	62	2790	3802	3484	318	1249	2381	3630	166	0	166	212	0	212
140	939270	950	60	2790	3800	3482	318	1227	2383	3610	156	0	156	202	0	202
620	919270	950	62	2750	3762	3444	318	1206	2384	3590	150	0	150	202	0	202
590	838290	960	62	2760	3782	3463	319	1177	2393	3570	150	0	150	200	0	200
140	797290	960	62	2710	3732	3410	322	1152	2408	3560	152	0	152	198	0	198
840	757280	930	62	2660	3642	3309	333	1013	2497	3510	152	0	152	196	0	196
AUG 830	743270	920	62	2630	3612	3287	325	1072	2438	3510	150	0	150	198	0	198
740	744300	910	62	2640	3612	3288	324	1097	2433	3530	150	0	150	198	0	198
830	823160	920	62	2660	3642	3317	325	1060	2440	3500	149	0	149	202	0	202
560	864170	920	62	2700	3682	3358	324	1092	2428	3520	151	0	151	202	0	202
670	874120	910	62	2690	3662	3338	324	1100	2430	3530	152	0	152	202	0	202
680	874100	920	62	2680	3662	3338	324	1098	2432	3530	153	0	153	198	0	198
080	875100	920	62	2670	3652	3329	323	1100	2420	3520	153	0	153	202	0	202
970	866100	910	62	2680	3652	3331	321	1109	2411	3520	137	0	137	202	0	202
280	859070	910	61	2670	3641	3323	318	1143	2387	3530	113	0	113	202	0	202
420	850160	920	60	2690	3670	3353	317	1175	2375	3550	119	0	119	202	0	202
890	840060	910	60	2670	3640	3323	317	1186	2374	3560	154	0	154	202	0	202
120	840060	920	60	2650	3630	3312	318	1179	2381	3560	151	0	151	202	0	202
540	839060	930	61	2620	3611	3292	319	1173	2387	3560	148	0	148	202	0	202
970	838060	910	61	2630	3601	3282	319	1158	2392	3550	126	0	126	202	0	202
580	878060	920	61	2650	3631	3311	320	1164	2396	3560	151	0	151	202	0	202
250	868060	920	61	2630	3611	3291	320	1161	2399	3560	155	0	155	202	0	202
040	857060	920	61	2580	3561	3240	321	1137	2403	3540	154	0	154	202	0	202

DATE	JACKSON LAKE Contents R-F	MORAN			TWIN LAKES STORED	MORAN + TWIN LAKES STORED	MORAN TO HEISE LOSS STORED	DIVERSION MORAN TO HEISE STORED
		STOR.	NORM.	TOTAL				
1918	456230	4120	710	4830	0	4120	103	
19	448500	3840	700	4540	0	3840	97	5
20	441000	4020	680	4700		4020	101	5
21	432400	4180	670	4770		4100	102	5
22	427400	4360	660	5020		4360	109	5
23	414590	4360	640	5000		4360	109	5
24	406090	4090	630	4720		4090	102	
25	397820	4000	610	4610		4000	100	
26	387800	3750	590	4340		3750	99	
27	381820	4040	580	4620		4040	101	
28	373850	4010	570	4580		4010	100	
29	365920	4000	560	4560		4000	100	
30	358030	4200	550	4750		4200	105	
31	349700	4150	550	4700		4150	104	
SEP 1	341220	3950	550	4500		3950	99	SEP 1
2	334040	3775	545	4320		3775	94	2
3	326690	3360	540	3900		3360	84	3
4	320470	3090	540	3630		3090	77	4
5	314240	3080	540	3620		3080	77	5
6	308020	3020	530	3550		3020	75	6
7	302050	2870	530	3400		2870	72	7
8	296540	2170	520	2690		2170	54	8
9	293360	1450	520	2170		1450	41	9
10	290180	1380	510	1890		1380	34	10
11	287840	500	510	1010		500	12	11
12	286780	150	500	650		150	4	12
13	286150	108	500	608		108	3	13
14	285510	330	490	820		330	8	14
15	283610	1840	490	2330		1840	46	15
16	278380	3150	480	3630		3150	79	16
17	271250	2870	470	3340		2870	72	17
18	265600	2410	460	2870		2410	60	18
19	260610	2270	450	2720		2270	57	19
20	255860	2390	440	2830		2390	60	20
21	250480	2300	430	2730		2300	57	21
22	246740	1690	420	2110		1690	42	22
23	243660	1610	410	2020		1610	40	23
24	240990	1860	400	2260		1860	46	24
25	237120	2010	390	2400		2010	50	25
26	233650	910	380	1290		910	23	26
27	232630	415	370	785		415	10	27
28	231820			374				28
29	231820			250				29
30	232020			250				30
TOTALS	280010				1042	281852	7040	535

DATE	HEISE + RILEY			DIV. HEISE-SHELLEY			HEISE TO SHELLEY LOSS STORED	REXBURG	MARKET LAKE SPRINGS	DATE	SHELLEY	
	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL					STOR.	NORM.
1918	4012	3716	7728	2411	4043	6454	196	530		6/10/18	1911	
20	3758	3549	7307	2000	4058	6058	183	534		7/21	1582	
21	3914	3416	7330	1953	4062	6015	191	570		8/22	1778	
22	3993	3305	7298	2288	3931	6219	195	620		9/23	1718	
23	4246	3139	7385	2179	3913	6092	207	630		10/24	1848	
24	4251	3227	7478	1937	3852	5789	208	635		11/25	1714	
25	3788	3195	7183	2153	3742	5895	194	625		12/26	1644	
26	3900	3194	7094	2610	3649	6259	190	630		1/27	1108	
27	3851	3153	7004	2562	3680	6242	188	615		2/28	1104	
28	3739	3095	7034	2658	3690	6348	192	590		3/29	1097	
29	3910	3124	7034	2254	3648	5902	191	580		4/30	1473	
30	3900	3052	6952	2162	3654	5806	190	585		5/31	1866	
31	4095	2997	7092	1893	3649	5542	200	580		6/1	2009	
SEP 1	4044	3103	7147	2244	3491	5735	197	600		6/2	1611	
2	3851	3118	6969	2083	3518	5601	188	680		6/3	1596	
3	3681	3212	6893	1809	3614	5423	180	765		6/4	1698	
4	3276	3497	6773	1990	3580	5570	160	786		6/5	1132	
5	3013	3357	6370	1841	3609	5450	147	819		6/6	1031	
6	3003	3257	6260	2182	3481	5663	147	792		6/7	680	
7	2945	3235	6180	1908	3425	5333	144	735		6/8	899	
8	2798	3292	6090	1713	3522	5235	137	715		6/9	954	
9	2116	3813	5929	1528	3679	5207	103	670		6/10	941	
10	1409	3566	5175	1122	3700	4822	79	690		6/11	914	
11	1346	3568	4914	967	3671	4638	66	690		6/12	319	
12	488	3864	4352	1032	3653	4685	24	685		6/13	-562	
13	146	3585	3731	897	3614	4511	7	685		6/14	-752	
14	105	3296	3501	572	3540	4112	5	715		6/15	-967	
15	322	3078	3400	405	3552	3957	16	715		6/16	-93	
16	1794	2696	3890	633	3431	4064	88	710		6/17	1079	
17	3071	2484	5555	802	3715	4517	150	720		6/18	2105	
18	2798	3191	5989	829	3754	4583	137	740		6/19	1838	
19	2350	2995	5345	904	3734	4638	115	750		6/20	1327	
20	2213	3011	5224	924	3738	4662	108	725		6/21	1182	
21	2330	2873	5203	870	3661	4531	114	802		6/22	1342	
22	2243	3261	5504	878	3643	4521	109	868		6/23	1242	
23	1648	3264	4912	833	3602	4435	80	852		6/24	741	
24	1578	3171	4749	452	3677	4129	77	946		6/25	1047	
25	1814	2927	4741	481	3601	4082	87	1010		6/26	7250	
26	1960	3021	4981	529	3522	4051	96	994		6/27	1341	
27	887	3804	4691	513	3570	4083	43	982		6/28	337	
28	405	3326	3731	468	3629	4097	20	958		6/29	-77	
29		3480	3480	442	3696	4138		952		6/30	-436	
30		3140	3140	395	3506	3901		896		6/31	-387	
TOTALS	274277			15685			13379			518	10539	

DAILY SUMMARY OF DATA AT AND BETWEEN

DATE		SHELLEY			DIV. SHELLEY-BLACKFOOT			SHELLEY BLACKFOOT LOSS STORED	THEORETICAL BALANCE STORED AT BLACKFOOT	BLACKFOOT RIVER	CLOUGH			CALCULATED INFLOW CLOUGH TO NEELEY	DATE	AM. FALLS RESERVOIR Contents Ac. Ft.	NEELEY			LAKE WALCOTT Contents Ac. Ft.
		STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL				STOR.	NORM.	TOTAL				STOR.	NORM.	TOTAL	
6	AUG 20	1511	1179	2590	1050	691	1741	22	339	1	271	151	922	2575	AUG 21	727400	8474	2726	11200	9425
6	21	1582	748	2330	1485	606	2091	6	91	1	299	151	450	2578	22	710340	8471	2729	11200	9425
6	22	1728	562	2340	1469	614	2083	19	190	1	87	151	238	2575	23	692920	8474	2726	11000	9425
6	23	1518	842	2360	1480	613	2093	2	36	1	83	151	234	2576	24	678330	8173	2727	10900	9425
6	24	1868	662	2530	1461	628	2089	24	383	1	105	151	256	2573	25	663060	7876	2724	10600	9518
6	25	2114	616	2730	1488	675	2163	38	588	1	189	151	340	2570	26	647480	7579	2721	10300	9492
6	26	1649	961	2610	1477	677	2154	10	162	1	288	151	439	2571	27	632340	7578	2722	10300	9492
6	27	1108	1192	2300	1217	645	1862	-7	-102	1	199	151	350	2571	28	614980	7678	2722	10400	9361
6	28	1109	951	2060	779	717	1496	20	310	1	224	151	275	2576	29	604040	7573	2727	10300	9361
6	29	1097	883	1980	726	692	1418	22	349	1	189	151	340	2574	30	589460	7255	2725	9980	9444
6	30	1473	787	2260	1189	632	1821	17	267	1	153	151	304	2572	31	576490	6997	2723	9720	9437
6	31	1566	834	2400	1426	665	2091	8	132	1	171	151	322	2567	SEP 1	562560	6912	2718	9630	9518
6	2	1611	949	2560	1344	665	2009	13	534	1	145	151	296	2566	2	550290	6573	2717	9290	9651
6	3	1586	964	2550	1311	662	1973	17	204	1	194	151	345	2564	3	538550	6155	2715	8870	9681
6	4	1698	882	2580	900	703	1603	48	258	1	283	151	434	2572	4	527100	6057	2723	8780	9692
6	5	1132	1378	2510	884	649	1533	15	250	1	498	151	649	2564	5	516240	5815	2715	8530	9592
6	6	1031	1309	2340	876	600	1476	9	233	1	731	151	882	2584	6	507690	5465	2735	8200	9544
6	7	680	1640	2320	737	600	1337	-3	146	1	672	151	828	2571	7	498860	5068	2722	7790	9481
6	8	899	1371	2270	1390	551	1941	-30	-54	1	568	151	719	2570	8	489130	4739	2721	7460	9392
6	9	954	1246	2200	1442	547	1989	-29	-461	1	341	151	492	2568	9	481930	4381	2719	7100	9232
6	10	491	1629	2120	1346	548	1894	-51	-459	1	109	151	260	2567	10	475300	4142	2718	6860	9082
6	11	414	1426	1840	972	676	1648	-33	-525	1	87	151	238	2568	12	468940	3712	2718	6430	8732
6	12	319	1281	1600	880	616	1496	-34	-527	1	94	151	245	2564	13	463020	3251	2719	5970	8692
6	13	-562	2012	1450	257	653	910	-49	-770	1	98	151	249	2561	14	458170	3028	2712	5740	8332
6	14	-752	1912	1160	220	621	841	-58	-914	1	219	151	370	2554	15	451510	3035	2705	5740	8152
6	15	-967	1445	978	0	624	624	-28	-439	2	124	152	276	2552	16	439650	3036	2704	5740	7982
6	16	-93	1047	954	20	629	649	-7	-106	2	97	152	249	2551	17	433610	3007	2703	5710	7782
6	17	1079	-239	840	22	636	658	63	994	2	78	152	230	2549	18	428610	3009	2701	5710	7582
6	18	2125	-1189	936	403	399	802	103	1619	2	41	152	193	2534	19	420990	3024	2686	5710	7282
6	19	1838	12	1850	644	489	1133	71	1123	2	14	152	166	2544	20	415230	2864	2696	5560	7202
6	20	1337	693	2030	809	575	1384	32	496	2	228	152	380	2550	21	409850	3308	2702	6010	7102
6	21	1187	623	1810	802	555	1357	23	362	2	344	152	516	2550	22	405490	1658	2702	4360	6982
6	22	1352	668	2020	803	505	1308	33	516	7	401	157	558	2549	23	401640	1004	2706	3710	6602
6	23	1262	1158	2420	358	533	891	54	850	6	726	156	882	2547	24	404720	-3	2703	2700	6432
6	24	741	1489	2230	803	611	1414	-4	-58	4	530	154	684	2552	25	405230	-136	2706	2570	6172
6	25	1047	1183	2230	643	669	1312	24	380	2	518	152	670	2553	26	406260	-134	2704	2570	5972
6	26	1250	1020	2270	658	632	1290	36	556	4	651	154	805	2553	27	407030	-117	2707	2590	5772
6	27	1341	1139	2480	1257	580	1837	5	79	3	449	153	622	2554	28	408050	-147	2707	2540	5572
6	28	337	2003	2340	1073	688	1761	-44	-692	2	418	152	570	2553	29	408050	-745	2705	1960	5232
6	29	-77	1767	1690	633	762	1395	-43	-667	2	364	152	516	2553	30	411900	-845	2705	1840	5032
6	30	-436	1806	1370	624	654	1278	-64	-996	2	124	152	276	2553						
6	OCT 1	-389						-23	-366	2	54	152	206							

EXCEPT AS NOTED

NEELEY			LAKE WILCOTT	MINIDOKA CANALS				HOWELLS				DATE	MILNER LAKE GAGE	GOODING PROJECT			NORTH SIDE CANAL CO.						
DATE	STOR.	NORM.	TOTAL	Contents At Ft.	NORTH	SOUTH	TOTAL	STOR.	NORM.	STOR.	NORM.			TOTAL	STOR.	NORM.	TOTAL	GOODING	R.A.	MAIN	TOTAL	STOR.	NORM.
8/24	2726	2726	11280	94950	1480	1190	2670	2670	0	5654	2226	8380	AUG 22	10.82	1060	0	1060	720	61	2520	2551	2230	321
8/27	2727	2727	11280	94720	1470	1170	2640	2640	0	5531	2229	8240	23	10.70	1060	0	1060	720	61	2510	2491	2170	321
8/28	2726	2726	11000	94250	1470	1170	2640	2640	0	5504	2226	8230	24	10.80	1040	0	1040	720	61	2490	2381	2040	321
8/29	2727	2727	10900	94720	1440	1210	2650	2650	0	5393	2227	8060	25	10.82	1030	0	1030	720	61	2380	2371	2030	321
8/30	2724	2724	10600	95180	1430	1220	2650	2650	0	5106	2224	7830	26	10.76	1030	0	1030	720	61	2320	2301	2980	321
8/31	2721	2721	10300	94950	1430	1210	2640	2640	0	5019	2221	7740	27	10.70	1030	0	1030	720	61	2300	2281	2960	321
9/1	2722	2722	10300	94370	1420	1210	2630	2630	0	4988	2222	7710	28	10.55	1020	0	1020	720	61	2280	2251	2930	321
9/2	2722	2722	10400	93670	1420	1190	2610	2610	0	4908	2222	7630	29	10.76	1020	0	1020	720	61	2280	2251	2930	321
9/3	2722	2722	10300	93670	1320	1150	2470	2470	0	4908	2222	7630	29	10.76	1020	0	1020	720	61	2280	2251	2930	321
9/4	2725	2725	9980	94490	1180	1140	2320	2320	0	4843	2227	7570	30	10.88	920	0	920	720	61	2280	2271	2930	321
9/5	2723	2723	9720	94370	1180	1120	2300	2300	0	4565	2225	7290	31	10.72	850	0	850	720	61	2220	2201	2880	321
9/6	2718	2718	9630	95180	1190	1120	2310	2310	0	4227	2223	6950	SEP 1	10.78	850	0	850	720	61	2180	2171	2850	321
9/7	2717	2717	9290	96510	1150	1110	2260	2260	0	3912	2218	6630	2	10.44	850	0	850	720	60	2080	2070	2749	321
9/8	2715	2715	8870	96870	1100	1090	2190	2190	0	3783	2217	6500	3	10.57	830	0	830	720	60	1890	2880	2540	320
9/9	2723	2723	8780	96990	1090	1040	2130	2130	0	3785	2215	6500	4	10.54	810	0	810	720	60	1850	2840	2520	320
SIP 9/10	2715	2715	8530	95910	1090	939	2029	2029	0	3777	2223	6500	5	10.48	810	0	810	720	60	1800	2770	2450	320
9/11	2735	2735	8200	95430	1080	896	1976	1976	0	3755	2215	6470	6	10.59	790	0	790	720	60	1800	2760	2440	320
9/12	2722	2722	7790	94840	1080	882	1962	1962	0	3635	2235	6370	7	10.43	770	0	770	720	60	1710	2690	2368	322
9/13	2721	2721	7460	93900	1080	882	1962	1962	0	3358	2222	6080	8	10.42	750	0	750	720	60	1670	2690	2320	320
9/14	2719	2719	7100	92390	1030	882	1912	1912	0	3109	2221	5830	9	10.59	730	0	730	720	60	1660	2620	2300	320
9/15	2718	2718	6860	90880	965	848	1813	1813	0	3041	2219	5760	10	10.65	730	0	730	720	60	1620	2580	2260	320
9/16	2718	2718	6430	89360	958	809	1767	1767	0	2942	2218	5660	11	10.68	730	0	730	720	60	1560	2520	2200	320
9/17	2719	2719	5970	86920	947	776	1723	1723	0	2722	2218	5440	12	10.50	730	0	730	720	60	1460	2420	2100	321
9/18	2715	2715	5740	85400	939	768	1707	1707	0	2451	2219	5170	13	10.55	730	0	730	720	60	1420	2230	1910	320
9/19	2712	2712	5740	83540	928	776	1704	1704	0	2335	2215	5050	14	10.52	730	0	730	720	60	1190	2150	1831	319
9/20	2705	2705	5740	81510	932	795	1727	1727	0	2338	2212	5050	15	10.44	730	0	730	720	60	1170	2120	1801	319
9/21	2704	2704	5740	79260	934	784	1718	1718	0	2465	2205	5170	16	10.50	730	0	730	720	58	1180	2138	1820	318
9/22	2703	2703	5710	77230	936	785	1661	1661	0	2616	2204	5320	17	10.58	730	0	730	720	57	1150	2097	1779	318
9/23	2701	2701	5710	75200	932	624	1556	1556	0	2637	2203	5340	18	10.74	730	0	730	720	56	1110	2076	1758	318
9/24	2686	2686	5710	72940	925	596	1518	1518	0	2639	2201	5340	19	10.70	730	0	730	720	53	1060	2003	1685	318
9/25	2696	2696	5560	72050	862	551	1413	1397	16	2704	2686	5390	20	10.84	730	0	730	720	52	1080	2032	1716	316
9/26	2702	2702	6010	71390	776	524	1300	1128	172	2710	2680	5390	21	10.94	730	0	730	720	50	1060	2010	1610	300
9/27	2702	2702	4360	69850	746	498	1244	832	412	2470	2630	5000	22	10.96	730	0	730	720	46	1040	1984	1586	300
9/28	2706	2706	3710	66000	675	452	1127	611	516	2637	2290	4740	23	10.64	730	0	730	720	45	1010	1925	1525	300
9/29	2703	2703	2700	64360	672	395	1067	434	633	2420	2190	4610	24	10.90	730	0	730	720	38	781	1709	1309	300
9/30	2704	2704	2570	61720	658	346	1004	288	716	1510	2070	3580	25	10.76	730	0	730	720	33	350	1263	863	300
10/1	2704	2704	2570	59450	649	328	977	263	714	1070	1990	3060	26	10.54	730	0	730	720	32	251	1153	753	300
10/2	2707	2707	2590	57190	637	359	996	279	714	830	1990	2820	27	10.22	720	0	720	720	30	214	1104	704	300
10/3	2707	2707	2560	55470	649	403	1052	335	717	770	1990	2760	28	10.03	720	0	720	720	30	179	1049	669	300
10/4	2705	2705	1960	52250	670	439	1109	394	717	850	1990	2840	29	9.71	420	0	420	720	29	163	1052	652	300
10/5	2705	2705	1860	50520	722	512	1234	449	715	370	1990	2360	30	9.78	0	0	0	720	28	161	1069	669	300
10/6									785	200	1920	2120											
10/7																							
10/8																							
10/9																							
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10/27																							
10/28																							

NORTH SIDE CANAL CO.						TWIN FALLS CAN. CO.			MILNER LOW LIFT			SNAKE R. AT MILNER			
DATE	ING	P.A.	MAIN	TOTAL	STOR.	NORM.	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL
AUG 15	920	61	2570	3551	3230	321	1125	2405	3530	154	0	154	202	0	202
17	920	61	2510	3491	3170	321	1122	2408	3530	154	0	154	202	0	202
20	930	61	2400	3381	3060	321	1122	2408	3530	127	0	127	202	0	202
21	920	61	2380	3371	3050	321	1125	2405	3530	127	0	126	202	0	202
22	920	61	2320	3301	2980	321	1124	2406	3530	126	0	126	202	0	202
23	910	61	2300	3281	2960	321	1097	2403	3500	126	0	126	200	0	200
24	930	61	2280	3251	2930	321	1060	2400	3460	126	0	126	200	0	198
25	920	61	2280	3271	2950	321	999	2401	3400	125	0	125	198	0	198
26	920	61	2220	3201	2880	321	1009	2401	3410	126	0	126	200	0	200
27	930	61	2180	3171	2850	321	954	2406	3360	126	0	126	200	0	200
28	930	60	2080	3070	2749	321	876	2404	3280	127	0	127	200	0	200
29	930	60	1890	2880	2560	320	838	2402	3240	127	0	127	200	0	200
30	910	60	1850	2840	2520	320	852	2398	3250	116	0	116	200	0	200
31	900	60	1800	2770	2450	320	793	2397	3190	127	0	127	198	0	198
SEP 1	900	60	1800	2760	2440	320	765	2395	3160	128	0	128	198	0	198
2	920	60	1770	2750	2430	320	757	2403	3160	127	0	127	198	0	198
3	920	60	1710	2690	2368	322	735	2395	3130	126	0	126	200	0	200
4	910	60	1670	2640	2320	320	597	2413	3010	127	0	127	200	0	200
5	900	60	1660	2620	2300	320	488	2402	2890	127	0	127	200	0	200
6	900	60	1620	2580	2260	320	359	2401	2760	126	0	126	200	0	200
7	900	60	1620	2580	2260	320	261	2399	2660	127	0	127	200	0	200
8	900	60	1560	2520	2200	320	102	2398	2500	127	0	127	200	0	200
9	900	60	1460	2420	2100	320	62	2398	2460	126	0	126	200	0	200
10	900	60	1270	2230	1910	320	61	2399	2460	126	0	126	200	0	200
11	900	60	1190	2150	1831	319	64	2396	2460	126	0	126	200	0	200
12	890	60	1170	2120	1801	319	67	2393	2460	125	0	125	200	0	200
13	900	58	1180	2138	1820	318	63	2387	2450	125	0	125	204	0	204
14	920	57	1150	2097	1779	318	54	2386	2440	126	0	126	206	0	206
15	910	56	1110	2076	1758	318	55	2385	2440	127	0	127	204	0	204
16	990	53	1060	2003	1685	318	57	2383	2440	126	0	126	204	0	204
17	900	52	1080	2032	1716	316	40	2370	2410	108	0	108	204	0	204
18	900	50	1060	2010	1610	400	0	2280	2280	78	0	78	204	0	204
19	900	46	1040	1986	1586	400	0	2130	2130	78	0	78	214	0	214
20	870	45	1010	1925	1525	400	0	1890	1890	79	0	79	248	0	248
21	890	38	781	1709	1309	400	0	1790	1790	79	0	79	263	0	263
22	880	33	350	1263	863	400	0	1670	1670	79	0	79	268	0	268
23	970	32	251	1153	753	400	0	1590	1590	79	0	79	263	0	263
24	860	30	214	1104	704	400	0	1590	1590	79	0	79	263	0	263
25	860	30	179	1069	669	400	0	1590	1590	80	0	80	263	0	263
26	860	29	163	1052	652	400	0	1590	1590	80	0	80	263	0	263
27	880	28	161	1069	669	400	0	1590	1590	79	0	79	263	0	263
28															
29															
30															
31															

NAME OF CANAL		MAY												JUNE																								
		20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
SWAN VALLEY CANALS	1																																					
RILEY	2																																					
PROGRESSIVE IRR. DIST.	3																																					
FARMERS FRIEND	4																																					
ENTERPRISE	5																																					
WELSON	6																																					
MATTSON - CRAIG	7																																					
RAINSBERGER	8																																					
HARRISON	9																																					
CRAEY	10																																					
RUDY & BOOMER	11																																					
HITE & NORD	12																																					
BURGESS	13																																					
LOWDER & JENNINGS	14																																					
SUNNYDELL	15																																					
LENROOT	16																																					
REID	17																																					
HILL-PETTINGER	18																																					
DILTS	19																																					
ISLAND	20																																					
HENRYS FORK CANALS ¹⁹	21																																					
BUTTE & MARKET LAKE	22																																					
OSGOOD	23																																					
BEAR ISLAND	24																																					
SMITH	25																																					
KENEY	26																																					
IDAHO	27																																					
MARTIN	28																																					
NEW SWEEDEN IRR. DIST.	29																																					
WOODVILLE	30																																					
SNAKE RIVER VALLEY	31																																					
PENALTY ON STORED NORMAL	32																																					
	33																																					
	34																																					
TOTAL HEISE - SHELLEY	35																																					
	36																																					
RESERVATION	37																																					
BLACKFOOT	38																																					
NEW LAVA SIDE	39																																					
PEOPLES	40																																					
ABERDEEN	41																																					
CORBETT	42																																					
RIVERSIDE	43																																					
TREGO	44																																					
PENALTY ON STORED NORMAL	45																																					
	46																																					
TOTAL SHELLEY-BLACKFOOT	47																																					
	48																																					
MINIDOKA PROJECT	49																																					
MILNER LOW LIFT	50																																					
TWIN FALLS CANAL CO.	51																																					
NORTH SIDE CANAL CO.	52																																					
GODDING PROJECT	53																																					
IDAHO POWER CO.	54																																					
	55																																					

¹⁹ Listed here one day later than actual draft. See plate 22 for details.

[illegible]

IONS

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23	24	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	SEP	1	2	3	4	5	6	7	8	9	10	11	12	13			
17	15	0	0	19	19	17	16	20	19	19	19	19	14	19	19	19	18	18	17	10	8	5	8	13	14	14	13	14	12	12	9	9	13	13	10	10	10	10	9	5	8	2	1	1			
243	177	0	103	104	109	108	107	142	197	203	199	199	199	200	199	202	164	129	101	81	47	20	19	21	24	66	62	66	67	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
51	0	0	0	0	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	0	0	0	0	0	0	0			
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-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6			
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100	400	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48		
0	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5		
51	50	49	45	52	50	47	57	81	77	86	85	85	92	90	92	90	92	90	37	2	3	5	7	6	7	8	10	10	11	10	1	1	2	3	2	3	4	4	3	5	1	1	1	1	1	1	
-7	-7	-7	0	0	5	5	5	5	5	2	2	2	2	1	1	1	1	1	1	5	5	5	5	1	2	2	1	0	11	10	1	1	2	3	2	3	4	4	3	5	1	1	1	1	1	1	
56	6	26	351	346	337	342	301	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	19	-18	6	13	13	50	50	50	52	53	36	36	4	4	6	6	6	6	5	6	0	0	0	0	5	5	5	5	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	15	13	15	20	22	72	72	66	67	70	64	60	-18	-18	58	64	64	62	67	64	64	74	70	69	-18	-18	23	43	38	35	25	29	56	50	39	22	-18	-18	-18	-18	-18	-18		
60	61	50	60	60	73	68	56	98	122	120	120	162	158	116	116	56	52	9	6	9	9	9	23	52	107	109	111	112	46	75	57	57	56	24	9	9	23	23	80	72	49	0	0	0	0		
0	16	0	0	0	0	0	0	0	0	0	36	36	36	30	22	22	22	22	26	25	27	27	29	22	21	22	22	20	22	27	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	25	0	0	0	0	0	0	2	28	20	25	31	0	0	0	0	0	0	0	46	44	44	0	0	0	0	0	0	28	28	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	486	442	396	477	429	424	332	403	490	514	491	444	317	393	419	535	534	487	489	428	482	459	459	444	443	467	470	474	513	505	296	295	382	369	404	415	437	384	386	344	336	34	34	34	34		
0	0	0	0	204	204	204	240	240	241	248	256	250	0	0	0	0	0	0	0	240	240	247	242	238	0	0	0	0	0	242	229	200	169	0	0	0	0	0	0	0	0	0	0	0	0	0	
81	81	105	102	100	100	111	106	109	113	113	112	110	109	107	107	107	107	107	107	108	109	110	111	112	111	111	110	109	108	108	108	108	109	110	111	112	112	113	113	112	111	109	0	0	0	0	
3	3	3	3	3	0	0	3	3	1	3	0	0	0	3	3	3	3	3	3	0	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	1	0	1	1	1	1	0	1	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	8	5	5	1	2	4	15	31	15	15	15	16	17	18	16	15	13	10	13	15	17	16	15	13	10	11	11	18	18	12	12	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
110	110	90	80	60	70	0	0	0	0	70	210	129	126	113	97	92	81	87	74	62	259	259	218	373	380	373	373	373	373	376	427	435	331	410	419	358	367	306	175	184	85	97	63	1	1		
17	6	35	35	35	35	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23		
104	88	391	380	383	349	383	381	416	412	405	392	423	417	422	420	424	423	427	430	431	431	434	434	427	429	432	427	424	421	416	410	409	424	420	418	105	70	71	63	56	51	52	1	1			
81	0	0	0	67	75	75	75	87	89	0	0	0	80	80	80	81	80	80	0	0	0	0	87	86	90	94	94	94	0	0	0	79	77	77	77	76	76	9	9	10	10	9	0	0	0	0	
29	297	314	373	-73	-180	-180	-180	261	461	471	483	477	477	447	379	356	346	365	365	365	329	323	316	295	306	316	327	337	342	342	344	339	327	316	289	275	275	270	252	273	282	-1	-1	-1	-1		
-1	-2	-9	-6	-14	-26	-20	-20	0	0	0	0	0	0	0	-6	-9	-9	-6	-6	-6	-5	-11	-11	-6	0	0	-6	-8	-14	-12	-12	-12	-5	-5	0	0	-6	-6	-12	-16	-8	-7	-7				
458	418	279	2392	1840	1923	1846	1656	1889	1986	2767	3175	2948	3026	2904	2512	2590	2353	2411	2000	1953	2288	2179	1937	2153	2610	2562	2658	2254	2152	1893	2244	2085	1809	1990	1841	2182	1908	1713	1528	1122	967	1022	897	0	0		
-14	-14	-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	264	383	382	371	371	346	269	269	267	265	265	259	258	258	259	269	267	0	0	0	0	0	0	296	293	322	293	293	275	275	0	0	0	0	0	0	0	0	0	0
71	70	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
-20	-20	412	405	403	396	428	424	438	436	438	442	441	441	-20	-20	-20	-20	394	392	396	422	430	424	422	-20	-20	430	380	398	394	394	-20	-20	-20	-20	394	396	386	382	367	-20	-20	-20	-20	-20		
040	1090	1060	1060	266	0	0	68	819	1000	1020	1020	1020	985	994	805	758	737	808	761	761	780	789	786	795	786	743	695	689	668	624	618	616	639	645	225	169	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	11	7	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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174	1073	1522	1465	649	396	428	756																																								

23	24	3	4	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	NO.	TOTAL SEC. FT.	TOTAL AC. FT.	JACKSON LAKE EQUIP AC. FT.	JACKSON LAKE RIGHT AC. FT.	AM FALLS RIGHT AC. FT.	OTHER RIGHTS AC. FT.	SEASONAL PURCHASES AC. FT.
		20	20																							1	535	1042	1145	0	0	0	1195
17	15	0	0	9	5	4	2	1	1	0	0	5	9	5	4	3	4	2	1	1	1	1	1	0	0	2	1418	2812	3032	1200	1163	0	0
243	177	0	103	0	3	5	9	23	27	0															3	9359	18563	20015	0	22142	0	0	
51	0	0	0																							4	872	1730	1865	2000	0	0	0
	21	21	8	86	78	60	30	12	8	13	81	97	88	85	84	96	72	67	65	75	9	0	0	0	0	5	5668	11242	12122	6100	15417	0	0
	1	1	0	0	0	0	0	0	0	0	2	2	0	0	0	0	2	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0
	-6	-6	12	0	0	-4	-6	-6	-5	-4	11	11	11	3	2	2	2	2	-2	0	0	-1	-2	-1	-4	8	124	244	265	0	0	0	0
	0	0																								9	-41	-81	-87	0	0	0	0
	400	400	197	-53	-53	-53	-45	-45	-45	350	352	0														10	10854	21533	23220	5000	18179	0	0
	0	-5																								11	0	0	0	0	0	0	0
	51	50	3	5	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	6	6	6	6	12	2806	5565	6000	2000	3031	0	0
	-7	-7																								13	0	0	0	0	0	0	0
56	26	351																								14	8064	15994	17246	5120	11997	0	0
	17	19	0	0	0	0	0	0	0	1	4	4	4	4	4	4	0									15	488	767	1040	1080	0	0	0
	0	0	39	22	-18	-18	-18	-7	-6	5	17	31	0													16	2405	4770	5143	4000	0	0	0
	60	61	23	80	72	49	0																			17	4594	9112	9826	3000	4826	0	0
0	16	0	0																							18	720	1428	1541	0	3002	0	0
																										19	9	18	19	0	0	0	0
	28	25	0	0	28	28	0	0	0	0	0	0	0	0	0	0	0	0	0	28	28	28	24	19	0	20	723	1453	1567	0	1567	0	0
			-60	-60	-60	57	44	36	39	-60	-60	-60	-60	44	50	53	48	-60	-21	0	47	25	20	17	21	21	0	0	0	0	0	0	0
	21	486	437	384	386	344	336	344	312	231	183	185	183	168	190	185	182	161	143	157	167	163	165	167	22	26248	52041	56137	0	44867	0	0	
	0	0																								23	6287	12470	13447	0	5804	0	0
	81	81	113	113	112	111	109	108	107	107	108	109	111	113	111	109	108	107	106	105	103	105	108	108	24	8492	16844	18163	0	24027	0	0	
	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	25	148	278	300	0	330	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	0		26	34	67	72	0	120	0	0	
	10	8																								27	632	1253	1351	355	0	0	0
																										28	12497	24788	26728	0	37588	0	0
110	116	90	80	175	184	85	97	63	115	115	115	209	203	203	203	203	203	203	0	0	0	0	0	0	0	29	2244	4450	4800	1500	3300	0	0
17	635	35	23	23	23	23	23	23	23	23	23	23	0	0	0	0	0	0	0	0	4	5	5	5	5	30	23291	46197	49817	5000	43239	0	0
144	8389	391	71	63	56	51	52	55	54	52	65	56	53	43	0	10	10	10	10	10	10	10	10	10	8	31	3079	6107	6586	0	13200	0	0
	81	0	9	9	10	10	9	9	8	7	7	8	8	19	19	19	20	16	12	12	12	12	12	11	31	3079	6107	6586	0	13200	0	0	
	29	297	275	270	252	273	282	-84	-180	-180	-180	-178	301	236	202	188	182	156	137	130	123	116	95	74	32	25843	51259	54167	15000	48552	0	0	
	-1	-2	-6	-12	-14	-8	-7	-16	-26	-27	-26	-6	-6	0	0	0	0	-6	-2	0	0	0	0	0	33	-777	-1541	-1662	0	0	0	0	
																										34							
438	408	279	2392	1528	1122	967	1032	897	573	405	633	802	829	904	924	870	878	833	452	481	529	513	468	442	395	35	156085	309585	332720	51315	298353	4680	0
																										36							
																										37	1386	2749	2944	0	0	0	0
	-14	-14	247	293	248	244																				38	10133	20099	21472	0	22053	0	0
	0	0	0	0	209	208	260	220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	582	1154	1245	0	0	0	0
	71	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	20990	41632	44807	8000	34132	0	0	
	-20	-20	390	386	382	347	-20	0	0	20	22	403	394	396	396	384	22	26	26	28	384	382	379	378	41	54494	108086	116559	42685	70639	0	0	
	090	1040	1055	609	0	0	0	0	0	0	0	0	0	0	0	0	0	127	678	592	627	627	409	0	42	873	1732	1868	0	5868	0	0	
	0	0	0	0	13	0	19	0	0	0	0	0	0	0	0	0	0	138	134	137	151	15	19	3	0	43	-200	-397	-428	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	1203	2386	2573	0	2145	0	0	
	0	0	0	58	70	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	-63	-125	-135	0	0	0	0	
	-3	-3	0	0	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46								
																										47	89378	177316	191205	50685	134837	0	0
																										48							
	274	1073	1442	1346	972	880	257	220	0	20	22	403	644	809	802	803	358	803	493	658	1257	1073	633	624	49	218041	432472		325810	76895	0	0	
																										50	16536	32799		0	53455	0	0
854	1320	2220	2412	1813	1767	1723	1707	1704	1727	1718	1641	1554	1518	1597	1128	832	611	434	288	263	279	335	394	449	50	16536	32799		0	53455	0	0	
123	1252	152	126	127	126	126	126	126	125	125	126	127	126	108	78	78	79	79	79	79	79	80	80	79	51	75598	150640		82986	225378	0	0	
	52	1813	1559	261	108	62	61	64	67	63	54	55	57	40	0										52	268168	531939		276430	477182	0	0	
																									53	130795	259428		0	413530	0	0	
412	46410	3709	31	300	2268	2200	2180	1910	1831	1801	1820	1779	1758	1685	1716	1610	1586	1525	1309	863	753	704	667	652	669	54	16303	32337		0	45000	0	0
1070	108190	1280	12730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	720	720	720	720	55	971302	1926545		787220	1724430	149420	0
	78	176	1700	200	200	200	200	200	200	200	204	206	204	204	204																		

NOTES

- ① From Pool.
- ② From Enterprise Canal.
- ③ 7595 to Progress, 900 to Riley, 900 to Rudy
- ④ Transfer to Mattson-Craig.
- ⑤ 178 from Pool, 87 from Arnsberger.
- ⑥ 900 from Enterprise, 69 from Pool.
- ⑦ 539 from Pool, transferred 2000 to Consol. Farmers.
- ⑧ 10288 from Pool, 2000 from Reid
- ⑨ Twin Lakes.
- ⑩ Transfer to New Sweden Irr. Dist.
- ⑪ 1026 from Osgood, 552 from Pool.
- ⑫ To Pool
- ⑬ From Market Lake Springs.
- ⑭ From Peoples.
- ⑮ 4000 from Corbett less 1245 to New Lava Side.
- ⑯ To Peoples.
- ⑰ To Trego.
- ⑱ From Riverside.
- ⑲ 96,700 Lake Walcott and 48,590 gain Nealey to Milner.

22	23	24	25	26	27	28	29	30	NO	TOTAL SEC. FT.	TOTAL AC. FT.	JACKSON LAKE EQUIV AC. FT.	JACKSON LAKE RIGHT AC. FT.	AM. FALLS RIGHT AC. FT.	OTHER RIGHTS AC. FT.	SEASONAL PURCHASES AC. FT.	TOTAL RIGHTS AC. FT.
									1	535	1062	1145	0	0	0	① 1145	1145
									2							② 900	3263
									3	1418	2812	3032	1200	1163	0	③ 7595	29737
									4	9359	18563	20015	0	22142	0	④ -9395	2000
									5	872	1730	1865	2000	0	0	⑤ 345	265
									6	5668	11242	12122	6100	15417	0	⑥ -87	-87
									7	0	0	0	0	0	0	⑦ 41	23220
									8	124	246	265	0	0	0	⑧ 969	6000
									9	-41	-81	-87	0	0	0	⑨ 129	17296
									10	10856	21533	23220	5000	18179	0	⑩ 0	0
									11	0	0	0	0	0	0	⑪ 1143	9826
									12	2806	5565	6000	2000	3031	0	⑫ -1461	1541
									13	0	0	0	0	0	0	⑬ 19	1567
									14	8064	15994	17246	5120	11997	0	⑭ 0	0
									15	488	967	1040	1040	0	0	⑮ 1208	57155
									16	2405	4770	5143	4000	0	0	⑯ 7641	13447
									17	4594	9112	9826	3000	6826	0	⑰ -1026	26654
									18	720	1428	1541	0	3002	0	⑱ 0	330
									19	9	18	19	0	0	0	⑳ 0	120
									20	733	1453	1567	0	1567	0	㉑ 996	1351
									21	0	0	0	0	0	0	㉒ 0	39588
									22	26248	52061	56137	0	44847	0	㉓ 0	4800
									23	6287	12470	13447	0	5806	0	㉔ 1578	49817
									24	8492	16844	18163	0	24027	⑨ 3653	㉕ -4200	9000
									25	140	278	300	0	330	0	㉖ 0	56579
									26	34	67	72	0	120	0	㉗ -1250	-1250
									27	632	1253	1351	355	0	0	㉘ 0	0
									28	12497	24788	26728	0	39588	0	㉙ 0	0
									29	2244	4450	4800	1500	3300	0	㉚ 0	0
									30	23291	46197	49817	5000	43239	0	㉛ 0	0
									31	3079	6107	6586	0	13200	0	㉜ 0	0
									32	25843	51259	54167	15000	40552	⑬ 1027	㉝ 0	0
									33	-777	-1541	-1662	0	0	0	㉞ 0	0
									34							㉟ 0	0
									35	156085	309585	332720	51315	298353	4680	㊱ 16145	370493
									36							㊲ 0	0
									37	1386	2749	2964	0	0	0	㊳ 2964	2964
									38	10133	20099	21672	0	22053	0	㊴ 0	22053
									39	582	1154	1245	0	0	0	㊵ 1245	1245
									40	20990	41632	44887	8000	34132	0	㊶ 2755	44887
									41	54494	108086	116559	42685	70639	0	㊷ 3235	116559
									42	873	1732	1868	0	5868	0	㊸ -4000	1868
									43	-200	-397	-428	0	0	0	㊹ -428	-428
									44	1203	2386	2573	0	2145	0	㊺ 428	2573
									45	-63	-125	-135	0	0	0	㊻ -135	-135
									46							㊼ 0	0
									47	89398	177316	191205	50685	134837	0	㊽ 6064	191586
									48							㊾ 0	0
									49	218041	432478		325810	76895	⑰ 145290	0	547995
									50	16536	32799		0	53455	0	0	53455
									51	75598	150640		82780	225378	0	㊿ -23354	285004
									52	268168	531939		276430	477182	0	0	753612
									53	130795	259428		0	413530	0	0	413530
									54	16303	32337		0	45000	0	0	45000
									55	971302	1926542		787220	1724630	149970	0	2661820

TIME INTERVAL BETWEEN GAGING STATIONS ON SNAKE RIVER

Plate No. 15

TIME: CLAUGH TO RUEGAR - 12 HRS.
RUEGAR TO MINIDOKA - 8 HRS.
MINIDOKA TO MILNER - 12 HRS.

Marion to Heise - Disch. at Heise

Heise to Shelley - Disch. at Shelley

Shelley to Cloughs - Disch. at Shelley

TIME INTERVAL IN HOURS

Checked by

Date

Prepared by

Sheets

Sheet No.

DAILY DISCHARGE IN SEC.-FT. OF HENRY'S PARK CANALS FOR MAY 1935
PLATE NO. 1

MEANS FOR CHANLS FOR MAY 1937
FALL RIVER CANALS

57

MEANS FOR CHANLS FOR MAY 1937
FALL RIVER CANALS

PLATE NO. 15

[illegible]

PLATE NO. 17

7561 2ND JUNE 1956

PLATE NO. 17

NAME OF CANAL										FARMERS OWN										FARMERS FRIEND										TWIN GROVES										SALT MOUNTAIN										ST. ANTHONY UNION										ST. ANTHONY UNION FEEDER										INDEPENDENT										CONSOLIDATED FARMERS										TOTAL ST. ANTHONY - REXBURG										TETON RIVER CANALS										SIDOWAY										WILFORD										TETON IRRIGATION										GOOD LUCK										PIONEER										STEWART										PINCOLN-BYINGTON										PINCOLN-GARBER										TETON ISLAND FEEDER										NORTH SALT MOUNTAIN										HOLMAN										ISLAND WARD										WOODMANSEL - JOHNSON										CITY OF REXBURG										REXBURG IRRIGATION										M. LORRICK - ROWE										STURDY - JOHNSON										TOTAL									
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																																																																																																																																																																																														
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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																																																																																																																																																																																														
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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																																																																																																																																																																																														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19																																																																																																																																																																																																																																																																															

OWSTONE

377/15X

ABOVE 300MM

MEERS OWN

REF R15E

12 RIVER

WESTER

U R R

AT SQUIRREL-CHESTER

1992

FAST CHANCE

FARMERS FRIEND

Salem Union

977 N. 1st St., Suite 100, Phoenix, AZ 85004

ST. ANTHONY UNION FEEDER

CONSOLIDATED FINANCIALS

1901-1902-1903-1904-1905-1906-1907-1908-1909-1910-1911-1912-1913-1914-1915-1916-1917-1918-1919-1920-1921-1922-1923-1924-1925-1926-1927-1928-1929-1930-1931-1932-1933-1934-1935-1936-1937-1938-1939-1940-1941-1942-1943-1944-1945-1946-1947-1948-1949-1950-1951-1952-1953-1954-1955-1956-1957-1958-1959-1960-1961-1962-1963-1964-1965-1966-1967-1968-1969-1970-1971-1972-1973-1974-1975-1976-1977-1978-1979-1980-1981-1982-1983-1984-1985-1986-1987-1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-2221-2222-2223-2224-2225-2226-2227-2228-2229-2230-2231-2232-2233-2234-2235-2236-2237-2238-2239-2240-2241-2242-2243-2244-2245-2246-2247-2248-2249-2250-2251-2252-2253-2254-2255-2256-2257-2258-2259-2260-2261-2262-2263-2264-2265-2266-2267-2268-2269-2270-2271-2272-2273-2274-2275-2276-2277-2278-2279-2280-2281-2282-2283-2284-2285-2286-2287-2288-2289-2290-2291-2292-2293-2294-2295-2296-2297-2298-2299-2300-2301-2302-2303-2304-2305-2306-2307-2308-2309-2310-2311-2312-2313-2314-2315-2316-2317-2318-2319-2320-2321-2322-2323-2324-2325-2326-2327-2328-2329-2330-2331-2332-2333-2334-2335-2336-2337-2338-2339-2340-2341-2342-2343-2344-2345-2346-2347-2348-2349-2350-2351-2352-2353-2354-2355-2356-2357-2358-2359-2360-2361-2362-2363-2364-2365-2366-2367-2368-2369-2370-2371-2372-2373-2374-2375-2376-2377-2378-2379-2380-2381-2382-2383-2384-2385-2386-2387-2388-2389-2390-2391-2392-2393-2394-2395-2396-2397-2398-2399-2400-2401-2402-2403-2404-2405-2406-2407-2408-2409-2410-2411-2412-2413-2414-2415-2416-2417-2418-2419-2420-2421-2422-2423-2424-2425-2426-2427-2428-2429-2430-2431-2432-2433-2434-2435-2436-2437-2438-2439-2440-2441-2442-2443-2444-2445-2446-2447-2448-2449-2450-2451-2452-2453-2454-2455-2456-2457-2458-2459-2460-2461-2462-2463-2464-2465-2466-2467-2468-2469-2470-2471-2472-2473-2474-2475-2476-2477-2478-2479-2480-2481-2482-2483-2484-2485-2486-2487-2488-2489-2490-2491-2492-2493-2494-2495-2496-2497-2498-2499-2500-2501-2502-2503-2504-2505-2506-2507-2508-2509-2510-2511-2512-2513-2514-2515-2516-2517-2518-2519-2520-2521-2522-2523-2524-2525-2526-2527-2528-2529-2530-2531-2532-2533-2534-2535-2536-2537-2538-2539-2540-2541-2542-2543-2544-2545-2546-2547-2548-2549-2550-2551-2552-2553-2554-2555-2556-2557-2558-2559-2560-2561-2562-2563-2564-2565-2566-2567-2568-2569-2570-2571-2572-2573-2574-2575-2576-2577-2578-2579-2580-2581-2582-2583-2584-2585-2586-2587-2588-2589-2590-2591-2592-2593-2594-2595-2596-2597-2598-2599-2600-2601-2602-2603-2604-2605-2606-2607-2608-2609-2610-2611-2612-2613-2614-2615-2616-2617-2618-2619-2620-2621-2622-2623-2624-2625-2626-2627-2628-2629-2630-2631-2632-2633-2634-2635-2636-2637-2638-2639-2640-2641-2642-2643-2644-2645-2646-2647-2648-2649-2650-2651-2652-2653-2654-2655-2656-2657-2658-2659-2660-2661-2662-2663-2664-2665-2666-2667-2668-2669-2670-2671-2672-2673-2674-2675-2676-2677-2678-2679-2680-2681-2682-2683-2684-2685-2686-2687-2688-2689-2690-2691-2692-2693-2694-2695-2696-2697-2698-2699-2700-2701-2702-2703-2704-2705-2706-2707-2708-2709-2710-2711-2712-2713-2714-2715-2716-2717-2718-2719

TETON RIVER CANNALS

HENRY'S FORT CANALS

AT SQUIRREL-CHESTER

FAST CHANCE
AT BENTLEY UNION

FARMERS FRIEND

Salem Union

977-860-1111

ST. ANTHONY UNION FEE

CONFIDENTIAL FARMER

THE END OF THE LINE

510 BOWEN
WILL FORD

6000 LUCK

1977

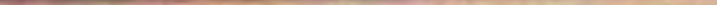
PINCOCK-GARRETT

NORTH SHUTTLE
FOXMAN

OF FREEDOM

27881-27884

STAINLESS-STEEL



NAME OF CANAL																															1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL					
YELLOWSTONE																															0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
HARRISFIELD																															0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
HARRISVILLE																															0	0	0	0	0	0	0	0	0	0	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																															70	69	68	68	68	76	76	76	76	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	862		
FARMERS OWN																															38	38	38	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
BLM																															0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
ENTERPRISE																															122	117	115	113	131	115	89	78	96	135	137	137	136	143	147	148	147	150	150	149	149	150	150	150	150	150	150	150	150	150	150	150	150	150	0	0	
BELL																															5	3	2	1	1	1	1	4	2	3	0	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	303	299	295	306	303	301	303	335	317	316	53	53	25	43	177	185	177	177	167	167	167	167	167	167	167	167	167	167	167	167	167	167	167	0	0	
McBEE																															2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	
CHESTER																															6	6	4	3	3	6	6	6	9	8	7	6	10	15	15	10	9	9	9	5	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	
SILKEY																															0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
CURR																															30	30	30	29	29	34	34	43	40	30	30	30	30	30	30	30	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	0	0
TOTAL SQUIRREL-CHESTER																															511	499	490	481	472	469	447	445	510	504	495	228	231	215	217	214	236	264	271	292	292	379	381	352	354	355	361	380	382	386	368	11881	0	0	0		
HENRY'S FORTH CANALS																																																																			
DEWEY																															10	9	10	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
LAST CHANCE																															36	31	40	49	45	44	7	12	8	7	8	10	14	13	10	11	11	11	8	9	11	11	7	14	9	4	2	2	7	0	0	0	0	0			
ST. ANTHONY UNION																															436	415	414	412	410	410	408	406	404	402	438	444	444	444	434	417	410	402	395	389	370	367	357	352	350	353	353	355	349	12294	0	0	0	0			
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	0	0	0		
TWIN GROVES																															79	80	80	76	76	75	73	73	76	75	52	55	55	25	25	25	27	28	29	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	0	0	
SALAM UNION																															140	120	124	126	128	128	128	128	133	128	131	124	88	90	90	90	93	91	93	96	98	99	100	97	83	83	83	83	83	83	83	83	83	83	0	0	
TOTAL HASTON-ST. ANTHONY																															701	655	668	676	670	668	618	621	620	615	616	636	619	588	579	575	566	542	533	526	523	506	502	500	499	488	471	473	476	482	457	17669	0	0	0		
EGIN																															281	258	286	313	290	319	277	275	290	284	251	254	254	246	242	242	234	234	236	242	242	234	234	234	237	237	237	237	237	237	237	237	237	237	0	0	
ST. ANTHONY UNION FEEDER																															52	48	50	51	47	52	39	39	47	39	53	72	76	83	69	80	80	84	80	75	75	79	76	75	75	76	75	74	74	74	74	74	74	74	1985	0	
INDEPENDENT																															156	154	156	158	152	147	137	137	135	151	154	172	172	167	172	167	167	154	165	154	137	144	140	142	118	115	115	112	115	112	115	112	115	4471	0		
CONSOLIDATED FARMERS																															176	174	140	183	165	170	170	156	131	150	125	129	150	149	147	144	148	110	101	101	101	101	101	101	63	63	63	101	101	101	101	101	101	101	3971	0	
TOTAL ST. ANTHONY - REXBURG																															665	634	632	705	654	688	664	621	580	638	602	605	648	646	648	634	643	563	557	547	567	567	557	537	483	487	525	529	528	524	520	18400	0	0	0		
TETON RIVER CANALS																																																																			
SIDOWAY																															14	14	15	14	14	13	13	13	16	15	15	14	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
WILFORD																															75	68	60	61	61	58	58	66	73	71	73	62	61	59	41	41	41	40	40	53	53	53	44	44	43	43	44	39	43	2069	1558	299	0	0			
TETON IRRIGATION																															73	85	48	88	85	87	81	84	79	77	81	86	82	74	65	60	62	60	63	63	61	62	60	59	57	56	54	32	44	39	43	193	0	0	0		
GOOD LUCK																															8	8	7	8	6	5	5	4	12	10	10	10	10	10	8	8	8	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	0	0	
PIONEER																															11	10	9	9	9	9	10	10	11	10	11	10	10	10	8	8	8	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	0	0	
STEWART																															12	11	10	10	10	10	10	10	11	10	11	11	11	11	1																						

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL	
YELLOWSTONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HARRISFIELD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MARRSVILLE	0	0	0	0	0	0	0	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 SQUIREL	0	0	0	0	0	0	0	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	
ALMY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ENTERPRISE	163	165	165	165	165	165	165	164	163	162	120	120	121	121	122	124	126	128	130	130	130	130	130	130	130	130	130	130	130	130	4320	
BELL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
FALL RIVER	169	28	117	117	117	113	113	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	
MR BEE	2	2	2	2	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CHESTER	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
SILKEY	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
CURR	27	27	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	
TOTAL SQUIREL-CHESTER	367	228	218	217	217	216	214	209	237	232	230	230	247	258	273	287	196	198	200	207	207	207	207	207	207	207	207	207	207	207	7489	
HENRY'S FORK CANNALS																																
DEWEY	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	141	
LAST CHANCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ST ANTHONY UNION	353	348	343	342	341	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	9632	
FARMERS FRIEND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TWIN GROVES	19	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	123	
SALT UNION	86	35	16	14	13	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	511	
TOTAL ASHTON-ST ANTHONY	463	406	392	381	379	368	370	369	363	364	364	367	350	333	328	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	1128
EGIN	215	215	214	213	212	231	230	232	213	216	220	220	175	175	177	180	184	188	187	175	175	175	175	175	175	175	175	175	175	175	5673	
ST ANTHONY UNION FEEDER	76	76	76	74	72	70	72	74	74	75	74	72	69	66	65	64	66	67	68	69	68	68	68	68	68	68	68	68	68	68	2031	
INDEPENDENT	115	118	121	123	125	127	118	109	112	114	115	109	103	103	103	103	103	103	103	100	98	98	98	98	98	98	98	98	98	98	98	3110
CONSOLIDATED FARMERS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1120	
TOTAL ST ANTHONY-REXBURG	406	409	412	411	410	449	457	486	481	475	476	477	476	429	422	372	375	379	383	380	380	372	371	370	369	369	369	369	369	369	369	11934
TETON RIVER CANNALS																																
SIDOWAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	332	
WILFORD	31	36	40	43	44	43	43	43	43	47	36	26	26	27	28	28	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	1041
TETON IRRIGATION	42	42	44	45	44	43	43	43	43	49	39	40	39	38	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	1042
GOOD LUCK	4	5	5	5	5	5	5	5	5	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	143	
PIONEER	9	9	10	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	118	
STEWART	11	10	10	11	11	12	12	12	12	12	12	12	11	11	11	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	308	
PINCOK-BYINGTON	7	8	8	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	333	
PINCOK-GARNER	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	333	
TETON ISLAND FEEDER	110	107	106	104	104	159	159	154	153	150	123	119	115	111	110	109	109	108	108	108	107	107	107	107	107	107	107	107	107	107	107	3246
NORTH SALT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ROKANA	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	50	
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	
WOODMANSE-JOHNSON	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2												

DATE	HENRYS LAKE Cont. A.C.Ft.	HENRYS FORK NEAR LAKE			STORED LOSS LAKE TO ISLAND PARK	DATE	HENRYS FORK NR. ISLAND PARK			STORED LOSS ISLAND PARK 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		
		STOR	NORM	TOTAL			STOR	NORM	TOTAL			STOR	NORM	TOTAL			STOR	NORM	TOTAL	STOR	NORM	TOTAL
JUN 30	30530	0	10	10	0	JUN 30	0	419	419	0	JUL 1	0	804	804	0	JUL 2	0	1110	1110	0	813	813
JUL 1	30476	82	10	92	2	JUL 1	36	412	448	1	2	35	814	849	0	3	35	1085	1120	53	793	846
2	30333	79	10	89	3	2	79	410	489	2	3	77	797	874	0	4	77	1053	1130	54	775	829
3	30176	87	10	97	3	3	76	417	493	2	4	74	800	874	0	5	74	1086	1160	135	742	877
4	30004	258	9	267	3	4	84	413	497	2	5	82	823	905	1	6	81	1297	1380	140	710	850
5	29493	342	9	351	10	5	248	332	580	5	6	243	817	1060	1	7	242	1178	1420	143	646	789
6	28815	340	9	349	14	6	328	386	714	5	7	321	779	1100	2	8	319	1081	1400	141	620	761
7	28140	336	9	345	14	7	326	435	761	7	8	319	791	1110	2	9	317	1103	1420	139	493	632
8	27474	334	9	343	13	8	323	438	761	7	9	317	803	1120	2	10	315	1105	1420	138	489	627
9	26812	275	8	283	13	9	321	435	756	6	10	315	805	1120	2	11	313	1057	1370	97	520	617
10	26267	96	8	104	11	10	264	481	745	6	11	259	791	1050	1	12	258	962	1220	48	541	589
11	26077	48	8	76	4	11	92	497	589	5	12	20	828	918	1	13	89	1091	1180	54	579	633
12	25942	68	8	76	3	12	65	459	524	2	13	64	822	886	0	14	64	1096	1160	54	577	631
13	25787	68	8	76	3	13	65	432	497	1	14	64	797	861	0	15	64	1096	1160	53	575	628
14	25632	67	8	75	3	14	65	417	482	1	15	64	797	861	1	16	63	1097	1160	53	574	627
15	25479	66	8	74	3	15	64	421	485	1	16	63	798	861	0	17	63	1087	1150	54	624	678
16	25328	66	8	74	3	16	63	453	516	1	17	62	812	874	0	18	62	1048	1110	52	640	692
17	25177	62	8	70	3	17	63	422	485	1	18	62	781	843	1	19	61	1029	1090	50	653	703
18	25024	60	8	68	2	18	60	414	474	1	19	59	728	837	0	20	59	1071	1130	54	706	760
19	24885	60	8	68	2	19	58	405	463	1	20	57	780	837	0	21	57	1173	1230	442	379	821
20	24746	60	8	68	2	20	58	412	470	1	21	57	804	861	0	22	57	1223	1280	431	396	827
21	24538	100	8	108	4	21	96	405	501	2	22	94	811	905	1	23	93	1127	1220	453	369	812
22	24098	212	7	219	6	22	204	345	549	4	23	200	764	964	1	24	199	1061	1260	454	369	812
23	23575	254	7	261	10	23	244	416	660	5	24	239	811	1050	1	25	238	1072	1310	450	370	810
24	22977	292	7	299	12	24	280	404	684	6	25	274	776	1050	1	26	273	1047	1320	457	372	812
25	22322	321	7	328	13	25	308	386	694	6	26	302	748	1050	2	27	300	1080	1380	471	374	814
26	21680	319	7	326	13	26	306	429	735	6	27	300	800	1100	2	28	298	1082	1380	473	360	808
27	21032	319	7	326	13	27	306	450	756	6	28	300	780	1080	2	29	298	1082	1380	504	313	817
28	20374	312	7	319	13	28	306	429	735	6	29	300	780	1080	2	30	298	1072	1370	541	274	811
29	19769	312	7	319	13	29	299	410	709	6	30	293	767	1060	1	31	292	1058	1350	471	283	812
30	19158	305	7	312	12	30	293	396	689	6	31	287	753	1040	1	AUG 1	286	914	1200	454	247	799
AUG 1	18545	298	7	305	12	31	286	423	709	6	AUG 1	280	830	1110	1	2	279	911	1190	424	231	791
2	17932	294	7	301	12	2	282	453	735	6	3	281	789	1070	2	3	279	1091	1370	434	234	794
3	17330	289	7	296	12	3	277	427	704	6	4	276	804	1080	1	4	275	1065	1340	441	235	796
4	16740	285	7	292	11	4	274	410	684	5	5	271	789	1060	1	5	270	1040	1310	417	253	800
5	16160	277	6	283	11	5	266	413	679	5	6	269	771	1040	1	6	268	1052	1320	402	266	802
6	15590	210	6	216	8	6	202	429	631	4	7	261	759	1020	2	7	259	991	1250	394	224	798
7	15160	197	6	203	8	7	189	423	612	4	8	198	778	976	1	8	197	1023	1220	396	225	799
8	14750	196	6	202	8	8	188	370	558	4	9	185	772	957	1	9	184	996	1180	342	228	794
9	14340	196	6	202	8	9	188	410	598	4	10	184	740	924	1	10	183	1047	1230	377	238	815
10	13930	192	6	198	8	10	184	400	584	4	11	180	744	924	1	11	183	1017	1200	373	243	816
11	13530	192	6	196	8	11	184	387	571	4	12	180	744	924	1	12	179	1111	1290	395	241	817
12	13130	190	6	196	8	12	182	394	576	4	13	178	746	924	1	13	177	1083	1260	328	260	818
13	12740	185	6	191	7	13	178	367	545	4	14	174	725	899	1	14	173	1077	1250	327	252	819
14	12360	196	6	202	8	14	188	353	541	4	15	184	715	899	1	15	183	1067	1250	404	171	820
15	11950	200	6	206	8	15	192	366	558	4	16	188	724	912	1	16	187	1043	1230	430	136	821
16	11540	197	6	203	8	16	189	356	545	4	17	185	765	950	1	17	184	1046	1230	546	-4	822

HENRYS FORK - DAILY

SEGREGATION OF FLOW - 1937

24 HOUR SECOND FEET EXCEPT AS NOTED

STATION THONY	HENRYS FORK AT ST. ANTHONY			DIVERSIONS BELOW ST. ANTHONY			STORED BALANCE BELOW DIVERSIONS
	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	
813	0	722	722	0	647	647	
846	-18	626	608	0	574	574	-18
829	23	577	600	0	668	668	23
827	-61	631	570	0	624	624	-61
850	-59	883	824	50	559	609	-107
789	99	901	1000	197	549	746	-98
761	128	812	940	180	551	731	-2
632	128	842	1020	163	529	692	15
627	177	873	1050	160	530	690	17
617	216	784	1000	0	691	691	216
595	210	614	824	0	667	667	210
633	35	707	742	0	728	728	35
631	10	684	694	0	648	648	10
628	11	711	722	0	621	621	11
627	10	684	694	0	615	615	10
678	9	704	713	0	610	610	9
692	10	649	659	0	635	635	10
703	11	631	642	0	640	640	11
760	5	572	577	135	477	612	-130
841	-385	970	585	84	521	605	-469
827	-374	1008	634	98	533	631	-472
822	-360	937	577	197	424	621	-557
823	-255	855	600	189	450	639	-444
820	-212	888	676	70	609	679	-282
829	-184	843	659	79	615	694	-263
845	-171	813	642	82	623	705	-253
833	-175	825	650	170	535	705	-345
817	-206	856	650	312	390	702	-518
815	-243	910	667	323	375	698	-566
754	-179	855	676	335	359	694	-514
701	-168	835	667	252	414	665	-420
655	-145	777	634	248	386	634	-393
668	-155	849	694	216	416	632	-371
676	-166	849	703	261	444	705	-427
670	-147	831	684	237	417	654	-384
648	-134	801	667	317	371	688	-451
618	-135	777	642	307	359	666	-442
621	-199	824	625	329	292	621	-528
620	-158	750	592	286	294	580	-444
615	-194	836	642	342	296	638	-526
616	-190	832	642	304	298	602	-494
636	-216	919	703	343	262	605	-559
619	-196	1111	915	392	256	646	-541
588	-151	1103	952	390	256	646	-542
579	-154	1129	965	388	260	648	-589
575	-221	1111	890	368	266	634	-600
566	-243	1122	879	357	284	643	-637
542	-362	1186	824	275	288	563	

DATE	HENRYS LAKE Cont. A.C.F.	HENRYS FORK NEAR LAKE			STORED LOSS LAKE TO ISLAND PARK	DATE	HENRYS FORK NR. ISLAND PARK			STORED LOSS ISLAND PARK TO WARM RIVER	DATE	HENRYS FORK AT WARM RIVER	
		STOR.	NORM.	TOTAL			STOR.	NORM.	TOTAL			STOR.	NORM.
AUG. 14	11130	233	6	259	10	AUG. 17	242	369	412	5	AUG. 18	238	738
17	10610	328	6	334	13	18	315	311	626	6	17	309	681
18	9950	315	6	321	13	19	302	348	650	6	20	296	714
19	9300	291	6	297	12	20	279	415	694	6	21	273	767
20	8690	286	6	292	11	21	275	409	684	4	22	269	751
21	8100	295	6	301	12	22	283	387	670	6	23	277	733
22	7490	225	6	231	11	23	264	386	650	5	24	259	724
23	6920	202	6	208	8	24	194	413	607	4	25	190	748
24	6490	174	6	200	8	25	186	394	580	4	26	182	716
25	6080	176	6	182	7	26	169	397	566	3	27	166	739
26	5700	157	6	163	6	27	151	394	545	3	28	148	751
27	5340	139	6	145	4	28	132	395	528	3	29	130	750
28	5070	124	5	129	5	29	119	393	512	2	30	117	757
29	4800	108	5	113	4	30	104	404	508	2	31	102	759
30	4560	93	5	98	4	31	89	389	478	2	SEP. 1	87	756
31	4250	84	5	89	3	1	81	375	456	2	2	79	745
SEP. 1	4060	81	5	86	3	2	78	374	452	2	3	76	736
2	3890	82	5	87	3	3	79	365	444	2	4	77	754
3	3710	51	5	56	2	4	49	363	412	1	5	48	740
4	3590	4	5	9	0	5	4	397	401	0	6	4	743
5	3580	4	5	9	0	6	4	390	394	0	7	4	737
6	3570	4	5	9	0	7	4	386	390	0	8	4	743
7	3560	4	5	9	0	8	4	347	351	0	9	4	737
8	3550	3	5	8	0	9	3	345	348	0	10	3	732
9	3540	2	5	7	0	10	2	385	387	0	11	2	733
10	3530	0	5	5	0	11	0	383	383	0	12	0	735
11	3530	0	5	5	0	12	0	383	383	0	13	0	729
12	3530	0	5	5	0	13	0	382	387	0	14	0	735
13	3530	0	5	5	0	14	0	376	376	0	15	0	724
14	3530	38	5	43	2	15	36	347	383	1	16	35	718
15	3450	85	5	90	3	16	82	330	412	2	17	80	696
16	3270	80	5	85	3	17	77	342	419	2	18	75	701
17	3100	75	5	80	3	18	72	347	419	1	19	71	711
18	2940	69	5	74	3	19	66	353	419	1	20	65	720
19	2790	64	5	69	3	20	61	349	430	1	21	60	744
20	2660	59	5	64	2	21	57	376	432	1	22	56	744
21	2540	54	5	59	2	22	52	378	430	1	23	51	798
22	2430	49	5	54	2	23	47	405	452	1	24	46	791
23	2330	48	5	53	2	24	46	398	444	1	25	45	741
24	2230	46	5	51	2	25	44	382	426	1	26	43	745
25	2130	45	5	50	2	26	43	372	415	1	27	42	734
26	2040	43	5	48	2	27	41	371	412	1	28	40	730
27	1950	41	5	46	2	28	39	366	405	1	29	38	726
28	1860					29					30		
29	1780					30							
30	1700												
TOTALS		13849			556		13293				271	13022	

STATION THOMAS	STORAGE LOSS ISLAND PARK TO WARM RIVER	DATE	HENRYS FORK AT WARM RIVER			STORAGE LOSS WARM RIVER TO ASHTON	DATE	HENRYS FORK NEAR ASHTON			DIVERSIONS ASHTON TO ST. ANTHONY			HENRYS FORK AT ST. ANTHONY			DIVERSIONS BELOW ST. ANTHONY			STORAGE BALANCE BELOW DIVERSIONS
			STOR	NORM	TOTAL			STOR	NORM	TOTAL	STOR	NORM	TOTAL	STOR	NORM	TOTAL	STOR	NORM	TOTAL	
8412	5	AUG. 18	238	738	976	1	AUG. 19	237	743	980	543	-10	533	-306	1076	770	245	302	547	-541
8426	6	19	309	681	990	2	20	307	743	1250	495	31	526	-188	972	791	238	309	547	-426
8450	6	20	296	714	1010	1	21	295	745	1270	500	23	523	-205	1089	879	245	322	547	-450
8474	6	21	273	767	1040	1	22	272	748	1290	489	17	506	-217	1094	879	241	326	547	-458
8484	6	22	269	751	1020	1	23	268	748	1280	489	13	502	-221	1087	868	243	314	557	-464
7870	6	23	277	733	1010	2	24	275	765	1230	473	27	500	-198	1066	848	165	372	537	-363
7650	5	24	259	724	983	1	25	258	702	1190	468	31	499	-210	1045	835	127	356	483	-337
6307	4	25	190	748	938	1	26	189	771	1160	448	40	488	-259	1083	824	127	360	487	-386
6280	4	26	182	736	918	1	27	181	749	1130	445	26	471	-264	1077	813	165	360	525	-429
6144	3	27	166	739	905	1	28	165	765	1120	449	4	473	-304	1104	802	145	364	529	-469
5945	3	28	148	751	899	1	29	147	783	1130	472	4	476	-325	1116	791	165	367	528	-490
6328	3	29	130	750	880	1	30	129	791	1120	481	1	482	-352	1122	770	165	359	524	-517
6312	2	30	117	757	874	0	31	117	793	1110	445	12	457	-328	1108	780	165	355	520	-472
6208	2	31	102	759	861	0	SEP. 1	102	778	1080	429	34	463	-327	1107	780	76	330	406	-403
6278	2	SEP. 1	87	756	843	1	2	86	784	1070	237	169	406	-151	997	846	59	350	409	-210
6756	2	2	79	745	824	0	3	79	761	1040	229	163	392	-150	1045	915	66	346	412	-216
6952	2	3	76	736	812	0	4	76	1004	1080	316	65	381	-240	1148	928	66	345	411	-304
7044	2	4	77	754	831	1	5	76	974	1050	303	76	379	-227	1147	940	66	344	410	-293
7612	1	5	48	740	788	0	6	48	927	975	298	70	368	-250	1140	890	106	343	499	-356
8401	0	6	4	743	747	0	7	4	921	975	296	74	370	-292	1138	846	119	338	457	-411
8294	0	7	4	737	741	0	8	4	958	962	291	78	369	-287	1100	813	146	340	486	-433
8290	0	8	4	743	747	0	9	4	945	949	238	25	363	-234	1091	857	146	335	481	-380
8251	0	9	4	737	741	0	10	4	945	949	252	112	364	-248	1105	857	134	341	475	-382
8248	0	10	3	732	735	0	11	3	959	962	210	154	364	-207	1053	846	134	342	476	-341
8287	0	11	2	733	735	0	12	2	934	936	210	157	367	-208	1054	846	126	351	477	-334
8483	0	12	0	735	735	0	13	0	949	949	228	122	350	-228	1074	846	116	360	476	-344
8383	0	13	0	729	729	0	14	0	936	936	239	94	333	-239	1085	846	73	356	429	-312
8187	0	14	0	735	735	0	15	0	949	949	169	159	328	-169	1015	846	119	303	422	-288
8176	0	15	0	724	724	0	16	0	949	949	183	176	359	-183	1018	835	56	316	372	-239
7583	1	16	35	718	753	0	17	35	953	988	185	174	359	-150	985	835	56	319	375	-206
7012	2	17	80	696	776	0	18	80	920	1000	183	176	359	-163	971	868	56	323	379	-159
6519	2	18	75	701	776	1	19	74	926	1000	168	189	359	-74	1022	928	56	322	383	-150
6619	1	19	71	711	782	0	20	71	917	988	190	181	371	-117	1047	928	56	322	388	-175
6719	1	20	65	729	794	0	21	65	945	1010	185	186	371	-120	1110	990	0	380	380	-120
6730	1	21	60	744	804	1	22	59	941	1000	182	189	371	-123	1143	1020	0	372	372	-123
6483	1	22	56	744	800	0	23	56	954	1010	161	210	371	-105	1105	1000	0	371	371	-105
6130	1	23	51	798	849	0	24	51	959	1010	143	228	371	-92	1172	1080	0	371	371	-92
6252	1	24	46	791	837	0	25	46	954	1000	157	214	371	-111	1101	990	0	370	370	-111
6244	1	25	45	761	806	0	26	45	955	1000	167	204	371	-122	1087	965	0	369	369	-122
6126	1	26	43	745	788	0	27	43	932	975	163	210	373	-120	1060	940	0	293	293	-120
6145	1	27	42	734	776	0	28	42	946	988	165	208	373	-123	1051	928	0	293	293	-123
6312	1	28	40	730	770	0	29	40	948	988	167	209	376	-127	995	868	0	271	271	-127
61505	1	29	38	726	764	0	30	38	927	975			376	38	830	868	0	271	271	38
581		30																		
571																				
571																				
561																				
591	271		13022			65		12957			26479			-13522			12734			-26256

FROM JACKSON LAKE AND HENRYS LAKE

24 HOUR SECOND FEET		EXCEPT AS	
0	4	17	92
1	11	18	93
2	18	19	94
3	25	20	95
4	32	21	96
5	39	22	97
6	46	23	98
7	53	24	99
8	60	25	100
9	67	26	101
10	74	27	102
11	81	28	103
12	88	29	104
13	95	30	105
14	102	31	106
15	109	32	107
16	116	33	108
17	123	34	109
18	130	35	110
19	137	36	111
20	144	37	112
21	151	38	113
22	158	39	114
23	165	40	115
24	172	41	116
25	179	42	117
26	186	43	118
27	193	44	119
28	200	45	120
29	207	46	121
30	214	47	122
31	221	48	123
32	228	49	124
33	235	50	125
34	242	51	126
35	249	52	127
36	256	53	128
37	263	54	129
38	270	55	130
39	277	56	131
40	284	57	132
41	291	58	133
42	298	59	134
43	305	60	135
44	312	61	136
45	319	62	137
46	326	63	138
47	333	64	139
48	340	65	140
49	347	66	141
50	354	67	142
51	361	68	143
52	368	69	144
53	375	70	145
54	382	71	146
55	389	72	147
56	396	73	148
57	403	74	149
58	410	75	150
59	417	76	151
60	424	77	152
61	431	78	153
62	438	79	154
63	445	80	155
64	452	81	156
65	459	82	157
66	466	83	158
67	473	84	159
68	480	85	160
69	487	86	161
70	494	87	162
71	501	88	163
72	508	89	164
73	515	90	165
74	522	91	166
75	529	92	167
76	536	93	168
77	543	94	169
78	550	95	170
79	557	96	171
80	564	97	172
81	571	98	173
82	578	99	174
83	585	100	175
84	592		
85	599		
86	606		
87	613		
88	620		
89	627		
90	634		
91	641		
92	648		
93	655		
94	662		
95	669		
96	676		
97	683		
98	690		
99	697		
100	704		

[illegible]

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	361,320	376,950	388,470	408,550	431,500	457,370	477,510	504,240	756,150	849,280	610,260	341,220
2	361,980	377,400	388,690	409,220	432,400	458,050	478,890	505,400	742,820	847,480	601,660	334,060
3	362,630	377,840	389,130	409,670	433,080	458,740	480,030	506,550	750,770	845,190	692,170	326,690
4	363,290	378,280	389,360	410,240	433,530	459,420	480,720	507,940	758,740	840,350	682,920	320,470
5	363,950	378,720	389,800	411,240	435,110	459,870	481,640	510,040	767,700	834,250	676,040	314,240
6	364,610	379,170	390,460	411,680	436,690	460,550	482,320	512,130	775,200	828,140	671,100	308,020
7	365,270	379,610	391,570	412,130	438,040	461,010	483,010	515,850	780,210	824,320	665,910	302,050
8	365,710	380,050	392,680	412,800	439,180	461,700	483,470	518,630	786,230	819,500	659,550	296,540
9	366,140	380,500	393,790	413,250	439,860	462,160	484,160	525,370	793,000	815,720	648,980	290,180
10	366,580	380,940	394,240	413,690	440,320	462,650	484,850	531,180	800,050	813,180	637,280	287,840
11	367,020	381,380	394,690	414,140	441,230	463,300	485,550	537,040	807,630	811,670	626,070	287,840
12	367,460	381,600	395,140	414,590	442,140	463,990	486,240	541,720	811,930	807,380	614,220	286,780
13	367,900	382,270	395,580	415,040	443,040	464,450	486,930	546,640	820,010	800,310	602,860	286,150
14	368,340	382,710	396,030	415,260	444,640	465,140	487,630	551,320	824,830	792,000	492,010	285,510
15	368,780	382,930	396,480	415,710	445,320	465,600	488,550	556,720	830,430	785,730	482,550	283,610
16	369,210	383,380	397,370	416,160	446,000	466,280	489,470	565,910	836,280	777,960	473,620	278,380
17	369,650	383,820	397,820	417,620	447,140	466,740	490,390	576,760	843,920	770,440	464,910	271,250
18	370,090	384,040	398,270	419,320	448,600	467,430	491,320	586,000	848,510	761,720	456,230	265,600
19	370,750	384,480	398,710	420,900	449,870	467,890	492,240	596,200	849,020	752,260	448,500	260,610
20	371,410	384,700	399,160	422,930	451,000	468,580	493,390	609,780	850,050	742,580	441,000	255,860
21	372,080	385,150	399,630	423,830	451,460	469,030	494,550	618,380	852,610	732,690	432,400	250,480
22	372,520	385,370	400,730	424,510	451,910	469,720	495,470	624,600	855,170	721,070	423,600	246,760
23	372,960	385,810	401,620	424,960	452,600	470,410	496,160	635,660	857,220	709,040	414,590	243,660
24	373,410	386,030	402,290	425,410	453,500	471,100	496,860	647,680	856,200	696,760	406,090	240,990
25	373,850	386,460	403,180	425,860	454,420	471,780	497,550	656,880	855,170	684,810	397,820	237,120
26	374,290	386,700	403,860	426,760	455,320	472,470	498,470	671,890	853,890	673,840	389,900	233,650
27	374,740	387,140	404,750	427,660	456,010	473,160	499,630	684,080	853,890	663,180	381,820	232,630
28	375,180	387,580	405,420	428,340	456,690	473,840	500,780	694,670	854,160	652,040	373,860	231,820
29	375,620	387,800	406,320	429,240	457,520	474,760	501,930	709,530	852,870	639,990	365,920	231,820
30	376,070	388,020	407,210	429,920	458,450	475,450	503,090	721,560	850,820	628,920	358,030	232,020
31	376,510	388,470	407,880	430,820	459,350	476,370	504,240	729,470	849,280	618,380	349,700	

Year	
Month	
Day	

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	40	25	25	25	25	25	26	45	25	3080	5320	4500
2	35	25	25	25	25	25	28	50	34	3050	5530	4320
3	35	25	25	25	25	25	28	56	43	3590	5530	3900
4	28	25	25	25	25	25	27	63	34	4960	4740	3630
5	28	25	25	25	25	25	27	72	25	5030	3250	3620
6	28	25	25	25	25	25	26	82	24	4750	3130	3550
7	28	25	25	25	25	25	26	87	23	4060	3390	3400
8	28	25	25	25	25	25	25	92	24	3800	5220	2690
9	28	25	25	25	25	25	25	77	25	2950	6850	2170
10	25	25	25	25	25	25	24	66	26	2100	6930	1890
11	25	25	25	25	25	25	24	54	727	3120	6790	1010
12	25	25	25	25	25	25	24	56	1230	4510	6850	650
13	25	25	25	25	25	25	24	59	1290	5490	6470	600
14	25	25	25	25	25	25	24	56	1120	5700	5870	820
15	25	25	25	25	25	25	25	54	977	5300	5510	2330
16	25	25	25	25	25	25	25	50	1000	5000	5420	2630
17	25	25	25	25	25	25	25	48	1730	5460	5220	3340
18	25	25	25	25	25	25	25	46	3290	6100	4830	2870
19	32	25	25	25	25	25	25	43	3880	6260	4500	2720
20	40	25	25	25	25	25	25	40	3910	6100	4700	2830
21	36	25	25	25	25	25	25	38	3980	6950	4770	2730
22	30	25	25	25	25	25	25	36	4350	7350	5020	2110
23	28	25	25	25	25	25	25	43	4860	7610	5000	2080
24	28	25	25	25	25	25	25	48	4430	7370	4720	2260
25	28	25	25	25	25	25	25	54	3550	7110	4610	2400
26	28	24	25	25	25	25	24	63	2840	6890	4540	1290
27	27	24	25	25	25	25	24	72	2570	6950	4620	785
28	26	24	25	25	25	25	24	101	2820	7110	4580	574
29	26	24	25	25	25	25	24	153	3490	7010	4560	250
30	25	24	25	25	25	25	25	82	3550	6560	4750	250
31	25	25	25	25	25	25	25	50	6280	6280	4700	

May	1730	1480	1490	1480	1350	1620	1840	3840	110,800	332,400	313,300	136,800
Mean	28.2	24.8	24.3	24.3	24.3	24.7	31.0	62.5	1863	5406	5086	2298
Year	1924	1924	1924	1924	1924	1924	1924	1924	1924	1924	1924	1924

Year 1924
Mean 1254
908,040

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1						1180	1320	2180	7120	8980	8200	5840
2						1290	1290	2650	6390	8370	7490	5680
3						1180	1290	3240	6510	8020	7600	5590
4						1290	1180	3910	7250	8600	7170	5220
5						1290	1290	4430	6840	9250	6320	5000
6						1240	1240	5080	5910	9370	5330	4880
7						1200	1200	5300	5350	8920	5160	4880
8						1140	1140	5910	5120	8460	5330	4780
9						1160	1160	6220	5300	8140	6870	4250
10						1210	1210	5960	5500	6940	8110	3760
11						1350	1350	5740	5500	6290	8080	3520
12						1290	1290	5520	6820	6940	8020	2770
13						1300	1300	5590	7440	8000	8000	2370
14						1620	1620	5980	7000	8780	7660	2220
15						1930	1930	6900	6840	8900	7300	2210
16						1160	2060	7630	7100	8400	7100	3440
17						1170	1820	8080	8170	7910	6920	4800
18						1200	1710	8950	9280	8430	6720	4520
19						1140	1730	9870	10400	8900	6270	4130
20						1140	1820	9500	10900	8660	6030	3980
21						1080	1930	8020	12300	8630	6100	4210
22						1140	2110	7380	13900	9100	6100	4010
23						1150	1970	7940	14800	9500	6250	3640
24						1160	1800	9160	14200	9560	6200	3540
25						1170	1740	10100	11700	9370	6000	3680
26						1140	1940	10500	10000	9040	5910	3730
27						1110	2370	10300	8900	8950	5840	2920
28						1080	2440	11300	8520	8870	5860	2420
29						1100	2260	12000	8780	8840	5770	2090
30						1120	2080	10400	9280	8570	5770	1840
31						1140		8400		8780	5930	

(16-31st)

MEAN	1138	1669	7230	8437	8557	6627	3864
FEET	86,100	98,140	444,600	502,100	526,200	407,500	229,900

MEAN
FEET
2,244,040

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	182	536	1410	904	426	272	207	832	1320	848	389	276
2	207	832	1320	1120	276	276	195	1120	1370	817	274	276
3	195	1120	1320	1320	276	276	182	1320	1460	778	360	276
4	182	1320	1460	1520	269	269	195	1520	1320	746	356	269
5	188	1610	1200	1200	262	262	188	1610	1200	754	351	262
6	185	1800	1140	1140	258	258	185	1800	1140	723	351	258
7	176	1830	1150	1150	259	259	176	1830	1150	731	338	259
8	188	1710	1160	1160	260	260	188	1710	1160	692	342	260
9	207	1520	1160	1160	272	272	207	1520	1160	638	329	272
10	227	1460	1230	1230	262	262	227	1460	1230	646	320	262
11	214	1400	1300	1300	258	258	214	1400	1300	601	320	258
12	233	1510	1180	1180	258	258	233	1510	1180	601	320	258
13	292	1650	1140	1140	254	254	292	1650	1140	616	312	254
14	360	1740	1150	1150	251	251	360	1740	1150	638	316	251
15	384	1810	1230	1230	251	251	384	1810	1230	565	312	251
16	338	1860	1340	1340	247	247	338	1860	1340	516	316	247
17	198	195	1340	1340	247	247	198	195	1340	488	304	247
18	195	195	1210	1210	247	247	195	195	1210	468	304	247
19	195	1730	1240	1240	247	247	195	1730	1240	456	300	247
20	195	1570	1240	1240	247	247	195	1570	1240	444	300	247
21	195	1620	1440	1440	247	247	195	1620	1440	438	268	247
22	195	1720	1400	1400	247	247	195	1720	1400	432	284	247
23	192	1770	1260	1260	262	262	192	1770	1260	426	284	262
24	188	1770	1130	1130	254	254	188	1770	1130	420	260	254
25	182	1780	1040	1040	251	251	182	1780	1040	414	280	251
26	170	1810	992	992	251	251	170	1810	992	398	276	251
27	164	1880	944	944	247	247	164	1880	944	389	276	247
28	159	1840	928	928	247	247	159	1840	928	379	276	247
29	167	1670	976	976	247	247	167	1670	976	384	276	247
30	164	450	1540	1540	272	272	164	450	1540	462	272	272

(1) - 31st

MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN
258	318	675	1214	1606	328	5460	19,640	98,690	73,240	35,330	19,550	15,360

MEAN
Yours
Penion
Aqua-Per
266,140

Year	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2180	2180	2280	10400	11400	10200	7140
2	2180	2280	5070	10400	10700	9060	6960
3	2140	2380	6500	9960	10200	8900	6880
4	2080	2240	8110	10700	10100	8930	6760
5	2050	2160	9450	10700	11100	8330	6360
6	2060	2180	10600	9580	11200	6960	6250
7	2090	2200	10800	8770	11100	6590	6170
8	2140	2120	12000	8360	10300	6440	6080
9	2080	2140	12700	8460	10200	7530	5920
10	2030	2210	11900	8800	9320	9150	5170
11	2060	2360	11700	8710	8180	9550	4910
12	2060	2450	10900	9350	8420	9250	4350
13	2090	2410	11000	10700	9450	9350	3730
14	2090	2650	11600	10300	10600	9060	3500
15	2080	3270	13300	10100	10800	8670	3400
16	2090	3690	13800	10100	10500	8300	3390
17	2120	3650	14200	10900	9740	8180	3350
18	2140	3360	15000	12100	9710	8020	3340
19	2120	3340	16100	12700	10200	7710	3220
20	2060	3530	15700	13600	10400	7250	3220
21	2050	3810	13800	14400	9980	7320	5200
22	2010	4240	12500	16300	10500	7290	5500
23	2090	4240	12800	17400	10700	7380	4910
24	2080	3830	13900	17400	11100	7470	4740
25	2020	3630	14800	15400	10800	7170	4740
26	2010	4020	15400	13000	10500	7080	4980
27	1960	5070	15200	11800	10200	6990	4690
28	1960	5500	15700	11000	10200	7020	3730
29	1980	5070	16600	10600	10200	7020	3480
30	1990	4440	15600	11400	9980	6940	3140
31	2060						

Year	Mar.	Apr.	May	June	July	Aug.	Sept.
1905	2098	2720	2421	2150	2100	2069	3222
1910	127,200	191,700	762,500	683,900	630,300	488,600	306,800
1915	132,200	116,600	127,200	191,700	762,500	683,900	630,300
1920	2100	2069	3222	12,400	11,490	10,250	7944
1925	2150	2421	2720	3098	1905	1910	1915

Year
Alman
5,443
5,940,700

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	2100	2470	2700	2120			2830	4580	9970	4370	4020	2550
2	1660	2550	2890	1990			3090	4260	8730	4860	4520	2560
3	1540	2580	2920				3480	4660	7630	4500	4520	2560
4	1510	2800	2920				3330	6440	7360	4060	3640	2550
5	1410	2850	2820				3190	8180	7340	4120	3270	2510
6	1440	3060	2450				2980	9830	7900	4720	2870	2340
7	1560	3090	2680				3040	11200	6700	5180	2380	2320
8	1650	3190	2910				3000	11700	5060	5610	1920	2270
9	1670	3130	3230				3020	13100	4260	5540	1780	2200
10	1620	3000	2900				2780	13800	4660	5480	1960	2120
11	1490	3000	3050				2870	13500	5270	4950	2760	1840
12	1550	3040	3000				2980	13300	5540	4020	2920	1600
13	1300	3020	2600				3070	12200	7030	3780	3040	1450
14	1180	2980	2500				3060	11700	9010	4340	3270	1160
15	1170	2940	2530				3170	12000	8800	4550	3130	978
16	1140	2920	2500				3800	13000	7940	4150	2980	952
17	1150	2830	3000				4140	13200	6700	4240	2850	840
18	1270	2800	3590				4140	12600	6440	3590	2760	936
19	1460	2780	3290				3850	12600	7260	3330	2780	1850
20	1720	2760	3250				3730	12600	7630	3350	2590	2030
21	1810	2700	3000				3750	11700	8040	3370	2330	1810
22	1930	2640	2900				4020	9360	8520	3060	2340	2020
23	2080	2630	2800				4260	7900	9830	3420	2360	2420
24	2080	2610	3070				4370	7530	10900	3730	2530	2230
25	2160	2590	2960				4040	6210	10400	4090	2730	2230
26	2270	2590	2890				3750	9320	6070	3920	2610	2270
27	2560	2640	2710				3940	9930	6340	3750	2300	2480
28	2390	2590	2820				4950	9650	4800	3460	2060	2340
29	2230	2610	2850				5540	10300	4060	3370	1980	1650
30	2500	2710	2390				5240	11700	3780	3290	2260	1570
31	2480		2300				2710	11300		3550	2400	

(21-31)

Year	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Mean	1745	2803	2852	3204	3647	10,370	7216	4127	2733	116,000	116,000
Acres	107,300	166,800	176,400								

Year
on
ONE-FIFTY

BLACKFOOT RIVER NEAR BLACKFOOT, IDAHO

Daily discharge, in second-feet, of

For the year ending September 30, 1913

Plate No. 1

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	60	221	220	160	60	60	70	116	289	15		
2	50	274	220	150	60	60	70	96	163	8	99	3
3	45	303	223	90	70	70	73	132	217	4	25	
4	35	373	307	60	77	75	78	230	295	8	55	
5	37	304	303		72	80	78	301	282	7	2	
6	47	301	300	300	66	80	80	452	282	6	2	
7	57	303	296	296	79	87	108	498	244	6	2	
8	44	242	278	278	94	108	112	542	120	13	1	
9	32	201	260	260	78	112	112	554	124	109	1	
10	46	215	242	242	61	106	106	550	205	149	1	
11	45	208	223	223	64	123	123	506	192	42	1	
12	33	196	227	227	66	98	98	424	148	81	1	
13	22	188	231	231	68	85	85	286	196	143	1	
14	89	199	235	235		75	75	227	196	92	1	
15	108	205	232	232	56	75	75	240	91	38	1	
16	196	199	229	229		77	77	172	32	23	1	
17	265	208	282	282		85	85	145	12	11	1	
18	248	236	334	334	41	85	85	110	10	5	1	
19	205	228	280	280		87	87	104	19	55	1	
20	232	199	238	238		89	89	111	34	2	1	
21	188	201	264	264		71	71	90	54	1	1	
22	174	192	289	289		99	99	6	38	1	1	
23	187	185	286	286		94	94	6	9	1	1	
24	169	134	273	273		111	111	6	77	1	1	
25	160	151	267	267		126	126	6	68	1	1	
26	179	172	318	318		91	91	6	47	1	1	
27	160	192	270	270		88	88	6	38	1	1	
28	80	212	241	241	56	124	124	6	29	1	1	
29	98	215	226	226		172	172	6	22	1	1	
30	188	212	223	223		160	160	42	22	1	1	
31	212	215	216	216				261				

Year	Mean	102	Year	Mean	102	Year	Mean	102	Year	Mean	102
1913	119	222	1912	119	222	1911	119	222	1910	119	222
1909	119	222	1908	119	222	1907	119	222	1906	119	222
1905	119	222	1904	119	222	1903	119	222	1902	119	222
1901	119	222	1900	119	222	1899	119	222	1898	119	222
1897	119	222	1896	119	222	1895	119	222	1894	119	222
1893	119	222	1892	119	222	1891	119	222	1890	119	222
1889	119	222	1888	119	222	1887	119	222	1886	119	222
1885	119	222	1884	119	222	1883	119	222	1882	119	222
1881	119	222	1880	119	222	1879	119	222	1878	119	222
1877	119	222	1876	119	222	1875	119	222	1874	119	222
1873	119	222	1872	119	222	1871	119	222	1870	119	222
1869	119	222	1868	119	222	1867	119	222	1866	119	222
1865	119	222	1864	119	222	1863	119	222	1862	119	222
1861	119	222	1860	119	222	1859	119	222	1858	119	222
1857	119	222	1856	119	222	1855	119	222	1854	119	222
1853	119	222	1852	119	222	1851	119	222	1850	119	222
1849	119	222	1848	119	222	1847	119	222	1846	119	222
1845	119	222	1844	119	222	1843	119	222	1842	119	222
1841	119	222	1840	119	222	1839	119	222	1838	119	222
1837	119	222	1836	119	222	1835	119	222	1834	119	222
1833	119	222	1832	119	222	1831	119	222	1830	119	222
1829	119	222	1828	119	222	1827	119	222	1826	119	222
1825	119	222	1824	119	222	1823	119	222	1822	119	222
1821	119	222	1820	119	222	1819	119	222	1818	119	222
1817	119	222	1816	119	222	1815	119	222	1814	119	222
1813	119	222	1812	119	222	1811	119	222	1810	119	222
1809	119	222	1808	119	222	1807	119	222	1806	119	222
1805	119	222	1804	119	222	1803	119	222	1802	119	222
1801	119	222	1800	119	222	1799	119	222	1798	119	222
1797	119	222	1796	119	222	1795	119	222	1794	119	222
1793	119	222	1792	119	222	1791	119	222	1790	119	222
1789	119	222	1788	119	222	1787	119	222	1786	119	222
1785	119	222	1784	119	222	1783	119	222	1782	119	222
1781	119	222	1780	119	222	1779	119	222	1778	119	222
1777	119	222	1776	119	222	1775	119	222	1774	119	222
1773	119	222	1772	119	222	1771	119	222	1770	119	222
1769	119	222	1768	119	222	1767	119	222	1766	119	222
1765	119	222	1764	119	222	1763	119	222	1762	119	222
1761	119	222	1760	119	222	1759	119	222	1758	119	222
1757	119	222	1756	119	222	1755	119	222	1754	119	222
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1749	119	222	1748	119	222	1747	119	222	1746	119	222
1745	119	222	1744	119	222	1743	119	222	1742	119	222
1741	119	222	1740	119	222	1739	119	222	1738	119	222
1737	119	222	1736	119	222	1735	119	222	1734	119	222
1733	119	222	1732	119	222	1731	119	222	1730	119	222
1729	119	222	1728	119	222	1727	119	222	1726	119	222
1725	119	222	1724	119	222	1723	119	222	1722	119	222
1721	119	222	1720	119	222	1719	119	222	1718	119	222
1717	119	222	1716	119	222	1715	119	222	1714	119	222
1713	119	222	1712	119	222	1711	119	222	1710	119	222
1709	119	222	1708	119	222	1707	119	222	1706	119	222
1705	119	222	1704	119	222	1703	119	222	1702	119	222
1701	119	222	1700	119	222	1699	119	222	1698	119	222
1697	119	222	1696	119	222	1695	119	222	1694	119	222
1693	119	222	1692	119	222	1691	119	222	1690	119	222
1689	119	222	1688	119	222	1687	119	222	1686	119	222
1685	119	222	1684	119	222	1683	119	222	1682	119	222
1681	119	222	1680	119	222	1679	119	222	1678	119	222
1677	119	222	1676	119	222	1675	119	222	1674	119	222
1673	119	222	1672	119	222	1671	119	222	1670	119	222
1669	119	222	1668	119	222	1667	119	222	1666	119	222
1665	119	222	1664	119	222	1663	119	222	1662	119	222
1661	119	222	1660	119	222	1659	119	222	1658	119	222
1657	119	222	1656	119	222	1655	119	222	1654	119	222
1653	119	222	1652	119	222	1651	119	222	1650	119	222
1649	119	222	1648	119	222	1647	119	222	1646	119	222
1645	119	222	1644	119	222	1643	119	222	1642	119	222
1641	119	222	1640	119	222	1639	119	222	1638	119	222
1637	119	222	1636	119	222	1635	119	222	1634	119	222
1633	119	222	1632	119	222	1631	119	222	1630	119	222
1629	119	222	1628	119	222	1627	119	222	1626	119	222
1625	119	222	1624	119	222	1623	119	222	1622	119	222
1621	119	222	1620	119	222	1619	119	222	1618	119	222
1617	119	222	1616	119	222	1615	119	222	1614	119	222
1613	119	222	1612	119	222	1611	119	222	1610	119	222
1609	119	222	1608	119	222	1607	119	222	1606	119	222
1605	119	222	1604	119	222	1603	119	222	1602	119	222
1601	119	222	1600	119	222	1599	119	222	1598	119	222
1597	119	222	1596	119	222	1595	119	222	1594	119	222
1593	119	222	1592	119	222	1591	119	222	1590	119	222
1589	119	222	1588	119	222	1587	119	222	1586	119	222
1585	119	222	1584	119	222	1583	119	222	1582	119	222
1581	119	222	1580	119	222	1579	119	222	1578	119	222
1577	119	222	1576	119	222	1575	119	222	1574	119	222

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	622	1650	2430	1850	1870	2090	2370	4480	8430	412	1030	296
2	370	1760	2180	1430	1930	2130	2680	3760	7250	790	2270	345
3	245	1980	2430	1320	1880	2140	2900	3670	6100	1020	1800	434
4	276	2340	2280	1130	1860	2150	2930	4720	5370	773	1270	649
5	340	2420	2040	1110	1910	2150	2820	6540	5680	609	835	882
6	434	2600	2040	947	1940	2100	2710	8160	6230	938	558	828
7	468	2800	2500	900	1940	2110	2690	9900	5420	1080	450	719
8	522	2900	2790	852	1940	2170	2680	10500	3500	1710	444	492
9	516	2900	2920	805	1840	2210	2640	11500	1940	2420	439	260
10	480	2900	2640	570	1830	2280	2440	12400	1810	2950	322	190
11	468	2900	2800	596	1800	2370	2520	12400	2380	2360	318	238
12	434	2900	2760	527	1810	2430	2550	12100	2550	1660	296	245
13	434	2920	2380	747	1800	2550	2680	11200	3370	998	370	249
14	390	2950	2100	775	1890	2680	2630	9930	5350	1050	422	370
15	350	2930	2130	1110	1940	2640	2720	9540	5750	1370	596	376
16	434	2880	2300	1440	2020	2660	3000	9870	4800	1310	616	249
17	492	2840	2770	1600	2000	2770	3440	9870	3560	1130	775	230
18	462	2800	2870	1700	1940	2740	3650	9140	2760	684	850	153
19	468	2770	2950	1870	1810	2760	3510	8630	3210	345	914	166
20	691	2720	2950	1760	1840	2800	3350	8850	3760	225	922	380
21	754	2690	2920	1660	1860	2770	3300	8510	4340	172	450	516
22	835	2610	2770	1630	1810	2770	3450	6700	4560	166	238	558
23	964	2540	2690	1500	1780	2660	3670	4890	5440	163	234	882
24	1050	2460	2740	1320	1760	2690	3960	3940	6470	181	256	684
25	1100	2490	2710	1160	1860	2760	3810	3900	7080	486	340	670
26	1240	2500	2540	1260	1940	2920	3450	4850	5970	740	439	805
27	1450	2560	2560	1510	2050	2800	3420	5990	3600	556	575	622
28	1530	2560	2690	1720	2060	2520	4070	5920	2340	516	540	516
29	1370	2550	2520	1820		2460	5100	5920	1040	345	540	316
30	1490	2450	2220	1860		2430	5040	7390	602	332	304	276
31	1640		2220	1860				8790		462	322	

Year	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576	1575	1574	1573	1572	1571	1570	1569	1568	1567	1566	1565	1564	1563	1562	1561	1560	1559	1558	1557	1556	1555	1554	1553	1552	1551	1550	1549	1548	1547	1546	1545	1544	1543	1542	1541	1540	1539	1538	1537	1536	1535	1534	1533	1532	1531	1530	1529	1528	1527	1526	1525	1524	1523	1522	1521	1520	1519	1518	1517	1516	1515	1514	1513	1512	1511	1510	1509	1508	1507	1506	1505	1504	1503	1502	1501	1500	1499	1498	1497	1496	1495	1494	1493	1492	1491	1490	1489	1488	1487	1486	1485	1484	1483	1482	1481	1480	1479	1478	1477	1476	1475	1474	1473	1472	1471	1470	1469	1468	1467	1466	1465	1464	1463	1462	1461	1460	1459	1458	1457	1456	1455	1454	1453	1452	1451	1450	1449	1448	1447	1446	1445	1444	1443	1442	1441	1440	1439	1438	1437	1436	1435	1434	1433	1432	1431	1430	1429	1428	1427	1426	1425	1424	1423	1422	1421	1420	1419	1418	1417	1416	1415	1414	1413	1412	1411	1410	1409	1408	1407	1406	1405	1404	1403	1402	1401	1400	1399	1398	1397	1396	1395	1394	1393	1392	1391	1390	1389	1388	1387	1386	1385	1384	1383	1382	1381	1380	1379	1378	1377	1376	1375	1374	1373	1372	1371	1370	1369	1368	1367	1366	1365	1364	1363	1362	1361	1360	1359	1358	1357	1356	1355	1354	1353	1352	1351	1350	1349	1348	1347	1346	1345	1344	1343	1342	1341	1340	1339	1338	1337	1336	1335	1334	1333	1332	1331	1330	1329	1328	1327	1326	1325	1324	1323	1322	1321	1320	1319	1318	1317	1316	1315	1314	1313	1312	1311	1310	1309	1308	1307	1306	1305	1304	1303	1302	1301	1300	1299	1298	1297	1296	1295	1294	1293	1292	1291	1290	1289	1288	1287	1286	1285	1284	1283	1282	1281	1280	1279	1278	1277	1276	1275	1274	1273	1272	1271	1270	1269	1268	1267	1266	1265	1264	1263	1262	1261	1260	1259	1258	1257	1256	1255	1254	1253	1252	1251	1250	1249	1248	1247	1246	1245	1244	1243	1242	1241	1240	1239	1238	1237	1236	1235	1234	1233	1232	1231	1230	1229	1228	1227	1226	1225	1224	1223	1222	1221	1220	1219	1218	1217	1216	1215	1214	1213	1212	1211	1210	1209	1208	1207	1206	1205	1204	1203	1202	1201	1200	1199	1198	1197	1196	1195	1194	1193	1192	1191	1190	1189	1188	1187	1186	1185	1184	1183	1182	1181	1180	1179	1178	1177	1176	1175	1174	1173	1172	1171	1170	1169	1168	1167	1166	1165	1164	1163	1162	1161	1160	1159	1158	1157	1156	1155	1154	1153	1152	1151	1150	1149	1148	1147	1146	1145	1144	1143	1142	1141	1140	1139	1138	1137	1136	1135	1134	1133	1132	1131	1130	1129	1128	1127	1126	1125	1124	1123	1122	1121	1120	1119	1118	1117	1116	1115	1114	1113	1112	1111	1110	1109	1108	1107	1106	1105	1104	1103	1102	1101	1100	1099	1098	1097	1096	1095	1094	1093	1092	1091	1090	1089	1088	1087	1086	1085	1084	1083	1082	1081	1080	1079	1078	1077	1076	1075	1074	1073	1072	1071	1070	1069	1068	1067	1066	1065	1064	1063	1062	1061	1060	1059	1058	1057	1056	1055	1054	1053	1052	1051	1050	1049	1048	1047	1046	1045	1044	1043	1042	1041	1040	1039	1038	1037	1036	1035	1034	1033	1032	1031	1030	1029	1028	1027	1026	1025	1024	1023	1022	1021	1020	1019	1018	1017	1016	1015	1014	1013	1012	1011	1010	1009	1008	1007	1006	1005	1004	1003	1002	1001	1000	999	998	997	996	995	994	993	992	991	990	989	988	987	986	985	984	983	982	981	980	979	978	977	976	975	974	973	972	971	970	969	968	967	966	965	964	963	962	961	960	959	958	957	956	955	954	953	952	951	950	949	948	947	946	945	944	943	942	941	940	939	938	937	936	935	934	933	932	931	930	929	928	927	926	925	924	923	922	921	920	919	918	917	916	915	914	913	912	911	910	909	908	907	906	905	904	903	902	901	900	899	898	897	896	895	894	893	892	891	890	889	888	887	886	885	884	883	882	881	880	879	878	877	876	875	874	873	872	871	870	869	868	867	866	865	864	863	862	861	860	859	858	857	856	855	854	853	852	851	850	849	848	847	846	845	844	843	842	841	840	839	838	837	836	835	834	833	832	831	830	829	828	827	826	825	824	823	822	821	820	819	818	817	816	815	814	813	812	811	810	809	808	807	806	805	804	803	802	801	800	799	798	797	796	795	794	793	792	791	790	789	788	787	786	785	784	783	782	781	780	779	778	777	776	775	774	773	772	771	770	769	768	767	766	765	764	763	762	761	760	759	758	757	756	755	754	753	752	751	750	749	748	747	746	745	744	743	742	741	740	739	738	737	736	735	734	733	732	731	730	729	728	727	726	725	724	723	722	721	720	719	718	717	716	715	714	713	712	711	710	709	708	707	706	705	704	703	702	701	700	699	698	697	696	695	694	693	692	691	690	689	688	687	686	685	684	683	682	681	680	679	678	677	676	675	674	673	672	671	670	669	668	667	666	665	664	663	662	661	660	659	658	657	656	655	654	653	652	651	650	649	648	647	646	645	644	643	642	641	640	639	638	637	636	635	634	633	632	631	630	629	628	627	626	625	624	623	622	621	620	619	618	617	616	615	614	613	612	611	610	609	608	607	606	605	604	603	602	601	600	599	598	597	596	595	594	593	592	591	590	589	588	587	586	585	584	583	582	581	580	579	578	577	576	575	574	573	572	571	570	569	568	567	566	565	564	563	562	561	560	559	558	557	556	555	554	553	552	551	550	549	548	547	546	545	544	543	542	541	540	539	538	537	536	535	534	533	532	531	530	529	528	527	526	525	524	523	522	521	520	519	518	517	516	515	514	513	512	511	510	509	508	507	506	505	504	503	502	501	500	499	498	497	496	495	494	493	492	491	490	489	488	487	486	485	484	483	4
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Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	606,100	692,240	807,430	1154,280	1295,670	1498,120	1712,330	1722,020	1670,320	1514,980	1025,590	562,560
2	609,040	702,490	913,900	1160,280	1300,540	1504,410	1710,080	1719,170	1675,340	1496,030	1013,140	550,290
3	609,980	709,320	923,600	1166,840	1306,890	1513,910	1712,900	1714,610	1673,100	1482,940	1002,640	538,550
4	609,670	717,570	930,480	1173,900	1316,300	1523,490	1713,470	1710,080	1677,560	1468,280	990,830	527,100
5	611,540	725,290	934,930	1178,140	1324,220	1532,010	1713,470	1707,280	1673,100	1453,160	978,940	516,240
6	613,100	734,070	939,370	1183,790	1334,120	1541,060	1712,900	1714,610	1674,220	1438,250	961,530	507,690
7	614,350	742,840	946,390	1188,030	1342,530	1549,580	1717,460	1719,740	1675,900	1424,370	945,560	496,860
8	615,920	753,070	952,230	1192,270	1349,960	1557,570	1715,750	1722,020	1673,100	1406,880	929,670	489,130
9	618,160	764,250	961,410	1196,980	1357,430	1566,160	1710,080	1720,880	1665,340	1396,770	912,680	481,930
10	620,740	774,350	970,590	1201,220	1363,990	1574,310	1710,080	1715,180	1656,500	1388,700	896,080	475,300
11	622,670	783,720	979,360	1204,510	1370,540	1582,470	1703,920	1711,760	1646,550	1379,120	880,970	468,940
12	623,640	793,640	986,530	1206,870	1376,590	1591,160	1710,080	1715,750	1636,040	1367,010	865,280	463,020
13	625,670	803,650	993,830	1207,810	1384,660	1599,860	1706,960	1714,040	1633,830	1348,970	848,420	456,550
14	626,860	813,280	1000,700	1208,280	1392,730	1608,550	1711,200	1705,040	1629,410	1334,120	830,890	451,170
15	631,050	822,180	1007,570	1210,190	1400,300	1620,010	1711,200	1705,600	1624,430	1319,760	816,620	446,510
16	632,340	829,750	1014,860	1208,750	1407,400	1628,860	1711,200	1708,960	1618,350	1304,440	802,540	439,660
17	633,310	832,410	1020,440	1211,630	1416,140	1638,810	1715,180	1711,200	1613,440	1290,800	786,970	433,610
18	635,240	844,230	1032,170	1216,900	1421,280	1648,760	1717,460	1710,080	1605,290	1274,730	768,580	428,610
19	638,140	850,710	1043,180	1217,860	1428,990	1658,710	1716,890	1710,640	1596,590	1267,680	752,350	420,980
20	639,750	857,190	1051,980	1220,260	1435,680	1666,450	1717,460	1708,960	1590,620	1240,880	740,040	415,230
21	642,970	863,320	1060,790	1225,060	1443,390	1675,340	1716,320	1711,200	1586,270	1219,300	727,400	409,850
22	645,230	868,420	1070,030	1230,330	1449,050	1684,310	1719,740	1706,720	1581,920	1200,740	710,340	405,490
23	648,450	873,120	1079,490	1235,610	1455,730	1689,910	1718,050	1698,880	1573,770	1183,320	692,920	401,640
24	652,430	877,830	1088,060	1240,400	1463,570	1698,880	1716,890	1691,590	1571,660	1166,840	678,330	404,720
25	657,410	882,140	1096,170	1247,120	1470,370	1705,600	1714,040	1682,060	1571,050	1143,680	663,060	405,230
26	661,730	886,850	1106,990	1251,910	1477,180	1708,960	1710,080	1673,660	1568,880	1131,230	647,480	406,260
27	668,040	891,560	1116,020	1257,680	1482,940	1713,470	1706,720	1668,660	1565,080	1115,110	632,340	407,030
28	672,690	896,260	1120,630	1263,530	1490,270	1714,040	1706,720	1662,020	1558,630	1097,070	614,980	408,050
29	678,660	900,180	1128,470	1270,350		1713,470	1717,460	1654,290	1545,320	1079,040	604,040	408,050
30	684,380	905,000	1138,610	1278,620		1711,760	1721,460	1655,390	1530,420	1058,140	589,660	411,900
31	689,170		1146,450	1286,900		1711,200		1655,940		1043,620	576,490	

Year	Month	Day	Hour	Minute	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth	Tenth	Eleventh	Twelfth	Thirteenth	Fourteenth	Fifteenth	Sixteenth	Seventeenth	Eighteenth	Nineteenth	Twentieth	Twenty-first	Twenty-second	Twenty-third	Twenty-fourth	Twenty-fifth	Twenty-sixth	Twenty-seventh	Twenty-eighth	Twenty-ninth	Thirtieth	Thirty-first	Thirty-second	Thirty-third	Thirty-fourth	Thirty-fifth	Thirty-sixth	Thirty-seventh	Thirty-eighth	Thirty-ninth	Fortieth	Forty-first	Forty-second	Forty-third	Forty-fourth	Forty-fifth	Forty-sixth	Forty-seventh	Forty-eighth	Forty-ninth	Fiftieth	Fifty-first	Fifty-second	Fifty-third	Fifty-fourth	Fifty-fifth	Fifty-sixth	Fifty-seventh	Fifty-eighth	Fifty-ninth	Sixtieth	Sixty-first	Sixty-second	Sixty-third	Sixty-fourth	Sixty-fifth	Sixty-sixth	Sixty-seventh	Sixty-eighth	Sixty-ninth	Seventieth	Seventy-first	Seventy-second	Seventy-third	Seventy-fourth	Seventy-fifth	Seventy-sixth	Seventy-seventh	Seventy-eighth	Seventy-ninth	Eightieth	Eighty-first	Eighty-second	Eighty-third	Eighty-fourth	Eighty-fifth	Eighty-sixth	Eighty-seventh	Eighty-eighth	Eighty-ninth	Ninetieth	Ninety-first	Ninety-second	Ninety-third	Ninety-fourth	Ninety-fifth	Ninety-sixth	Ninety-seventh	Ninety-eighth	Ninety-ninth	Hundredth
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Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2380	1190	2020	1280	1200	1020	4980	8200	8200	8200	11100	9630
2	2430	1170	1100	1250	1180	633	5060	8610	8490	11500	10700	9250
3	2460	1190	1090	1240	1050	5030	5030	8570	8870	11200	10400	8870
4	2480	1170	1350	1300	702	250	5070	8200	8820	10800	10200	8780
5	2450	880	1640	1260	413	312	5090	6900	7950	11000	10200	8530
6	2470	610	1630	1220	524	323	5110	7870	7580	11900	11000	8200
7	2280	448	1610	1210	710	586	5100	9290	8320	12200	11400	7750
8	2210	302	1630	1210	994	742	7580	12400	9330	11900	11500	7460
9	2160	302	1630	1210	1210	890	6600	15800	9680	11200	11500	7160
10	2210	606	1630	1210	1210	900	15800	15800	9460	10900	11500	6860
11	2230	613	1600	1210	1210	900	15700	15700	9080	10900	11400	6430
12	2250	614	1600	1970	837	900	15700	15700	9080	11700	11500	5970
13	2250	595	1630	3900	572	804	15600	15600	9030	12100	11200	5740
14	2250	955	1520	3350	593	678	15100	15100	9200	11800	11100	5740
15	2220	1550	1140	3940	710	686	11700	11700	9680	11100	11100	5740
16	2220	1550	912	3980	870	686	11000	11000	9980	11000	11100	5740
17	2220	2240	624	1170	870	694	11000	11000	9980	10900	11100	5710
18	2000	2240	680	3930	870	930	11300	11300	9980	11700	11500	5710
19	1990	2350	668	4210	860	1160	11700	11700	9500	12100	11400	5560
20	2010	2340	780	2330	870	1130	11700	11700	9200	12400	11500	
21	1990	2350	810	1720	890	1110	11700	11700	8910	12400	11200	6010
22	1950	2840	810	1620	870	1660	11600	11600	9160	11900	11200	4360
23	1830	2840	826	1150	686	2230	11600	11600	9760	11500	11000	3710
24	1410	2820	818	1170	686	1810	11500	11500	10200	11500	10900	2700
25	1220	2800	250	1200	870	2640	10700	10700	10300	11700	10600	2570
26	1330	2780	1420	1210	880	3630	10600	10600	9800	12000	10300	2570
27	1310	2770	1430	1120	880	4890	10700	10700	9890	11900	10400	2590
28	1320	2830	811	1030	880	5490	10700	10700	9890	11900	10300	1960
29	1180	2850	820	726	5980	5480	10800	10800	10600	11900	10300	1960
30	1140	2850	820	755	5480	5180	10000	10000	11500	12100	9980	1860
31	1180	2850	1170	903								

Year	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Mean	121,400	100,700	72,430	109,100	47,810	108,400	239,100	695,000	657,600	715,200	670,200	340,100
Agree	1975	1692	1178	1774	861	1764	5699	11,300	9371	11,630	10,900	6715

Year 1987
Mean 5355
Agree 3,877,040

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	47,560	26,750	50,740	61,060	62,270	62,160	68,550	96,870	95,550	95,910	95,550	95,180
2	46,090	26,540	49,790	61,610	62,490	62,160	69,190	96,750	95,430	95,550	95,670	95,610
3	44,820	26,140	50,520	61,850	62,580	61,720	69,850	96,870	94,600	96,910	95,430	96,870
4	43,870	25,750	50,520	61,940	62,580	61,720	69,850	96,390	95,910	96,990	95,070	96,990
5	42,390	25,250	51,490	62,600	62,160	61,280	69,850	94,020	95,550	95,430	94,250	95,910
6	42,070	24,510	52,680	63,040	61,500	60,740	71,390	94,140	94,950	94,950	93,320	95,430
7	41,440	22,590	53,860	63,480	61,720	60,420	75,650	94,840	94,490	95,430	93,320	95,430
8	40,380	21,670	54,400	63,590	61,940	60,420	83,430	95,180	94,950	96,390	94,140	93,900
9	39,560	21,170	55,900	63,700	62,580	60,420	89,360	96,870	94,950	97,110	94,020	92,390
10	38,920	19,440	56,980	63,810	62,600	60,420	89,360	96,630	95,180	97,110	94,600	90,880
11	38,300	18,050	58,480	62,820	62,820	60,420	87,500	96,510	94,140	96,150	95,430	89,360
12	37,260	16,470	60,100	62,930	62,930	60,530	90,290	96,630	93,900	95,310	95,670	86,920
13	36,640	14,080	60,850	62,270	62,270	60,960	91,690	96,390	95,070	95,430	95,670	85,400
14	36,020	13,300	61,500	61,720	61,940	60,850	92,860	94,720	94,490	96,030	95,670	83,540
15	35,230	11,620	62,050	61,500	61,720	60,630	93,090	95,910	94,720	95,910	95,430	81,610
16	35,290	12,110	61,610	61,940	61,940	60,630	92,970	95,430	94,490	94,950	95,670	79,260
17	34,360	12,510	61,720	61,280	62,050	60,420	94,020	95,670	94,950	94,490	95,180	77,230
18	33,740	13,890	61,500	59,980	62,160	60,100	94,600	95,070	94,720	94,490	94,250	75,200
19	32,910	15,280	61,500	62,270	62,380	60,850	92,860	95,670	95,550	94,250	94,720	72,940
20	32,080	16,960	61,500	62,370	62,490	61,280	94,140	95,670	95,180	95,430	94,950	72,050
21	31,460	18,040	61,500	62,380	62,380	61,830	93,790	96,150	95,910	96,150	94,950	71,390
22	30,630	21,670	61,500	63,040	62,380	61,940	94,840	95,180	95,310	96,630	94,720	69,850
23	30,420	24,920	61,060	62,490	62,490	62,380	93,550	95,910	94,840	96,270	94,250	66,000
24	30,420	28,560	60,620	62,600	62,160	62,600	96,630	94,950	94,950	96,150	94,720	64,360
25	30,210	31,870	59,770	62,820	62,050	61,060	96,390	95,670	95,670	95,430	95,180	61,720
26	29,590	35,400	58,480	62,820	62,160	61,280	95,910	95,670	95,670	95,180	94,950	59,450
27	29,590	38,410	59,340	62,490	62,160	63,260	91,690	95,670	95,430	94,720	93,370	57,190
28	29,180	41,860	60,200	62,160	62,160	65,890	90,530	94,950	95,310	94,490	93,670	55,470
29	28,680	45,140	60,310	62,490	62,490	66,880	92,620	94,720	94,490	94,490	93,670	52,250
30	28,070	47,570	60,630	62,160	62,160	67,650	96,150	96,150	94,720	94,720	94,490	50,520
31	27,260		60,420			68,510						

Year
Month
Day

Year
Month
Day

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	620	285	332	332	0	0	0	757	983	1570	972	1190
2	652	286	332	332	0	0	0	757	983	1620	1170	1150
3	662	286	288	288	0	0	0	793	981	1640	1250	1100
4	658	286	252	252	0	0	0	883	983	1650	1200	1090
5	652	286	253	253	0	0	22	992	981	1640	1220	1090
6	651	284	254	254	0	0	39	1100	976	1640	1240	1080
7	647	278	256	256	0	0	41	1220	974	1640	1280	1080
8	641	275	257	257	0	0	41	1320	1050	1650	1330	1080
9	632	274	260	260	0	0	42	1440	1100	1650	1360	1030
10	629	271	98	98	0	0	110	1510	1160	1640	1360	963
11	626	267	0	0	0	0	150	1550	1200	1640	1380	958
12	611	263	0	0	0	0	190	1570	1200	1620	1460	947
13	556	254	0	0	0	0	245	1570	1210	1590	1490	939
14	514	248	0	0	0	0	247	1570	1220	1550	1490	928
15	516	245	0	0	0	0	309	1560	1280	1500	1490	932
16	471	247	0	0	0	0	350	1550	1350	1460	1480	934
17	408	245	0	0	0	0	350	1560	1400	1460	1480	936
18	406	250	0	0	0	0	351	1570	1450	1480	1470	925
19	403	254	0	0	0	0	398	1570	1490	1540	1470	862
20	362	260	0	0	0	0	460	1570	1480	1590	1480	776
21	305	265	0	0	0	0	460	1570	1480	1600	1470	746
22	303	271	0	0	0	0	462	1570	1470	1600	1470	675
23	302	282	0	0	0	0	463	1570	1470	1600	1440	672
24	300	289	0	0	0	0	467	1570	1480	1590	1430	658
25	298	298	0	0	0	0	467	1560	1430	1590	1430	649
26	298	305	0	0	0	0	592	1580	1380	1590	1420	637
27	296	310	0	0	0	0	692	1610	1380	1590	1420	649
28	296	316	0	0	0	0	736	1600	1400	1590	1320	670
29	296	323	0	0	0	0	742	1530	1440	1590	1180	722
30	295	327	0	0	0	0	753	1260	1460	1540	1180	
31	291						983					

DRY

Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
Mean	900	1565	1578	1565	1581	1263	1578	1565	1578	1565	1578	1565	1578	1565	1578	1565	1578	1565	1578	1565	1578	1565	1578	1565	1578	1565	1578	1565	1578	1565	1578
Acres	53.560	53.560	53.560	53.560	53.560	53.560	53.560	53.560	53.560	53.560	53.560	53.560	53.560	53.560	53.560	53.560	53.560	53.560	53.560	53.560	53.560	53.560	53.560	53.560	53.560	53.560	53.560	53.560	53.560	53.560	53.560
Feet	28.950	28.950	28.950	28.950	28.950	28.950	28.950	28.950	28.950	28.950	28.950	28.950	28.950	28.950	28.950	28.950	28.950	28.950	28.950	28.950	28.950	28.950	28.950	28.950	28.950	28.950	28.950	28.950	28.950	28.950	28.950

MEAN YEAR 640
ACRES-Feet 463.150

about 50%

NAVIG

29

507

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, 26

Year	Mean	467
18,680	10,210	413
304	172	6.71
0	0	0
0	0	0
0	0	0
216	5.63	976
59,990	921	1292
54,820	1178	72,420
41,940	705	

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2150	1160	1010	1050	1220	1080	4720	6820	6570	8120	8720	6630
2	2140	1080	1020	1250	1260	1080	4930	7460	7010	7940	8460	6500
3	2150	1080	676	1270	1320	922	4930	7320	7320	7830	8260	6500
4	2140	1010	728	1090	1290	768	5050	7540	7400	7880	8090	6500
5	2150	1040	753	1100	1200	628	4500	6370	6710	8120	8170	6470
6	2110	986	711	1030	820	792	3660	6060	6310	8610	8380	6370
7	1980	1050	855	1200	750	778	3600	6900	6390	8750	8520	6080
8	1890	255	877	1220	780	991	3760	8870	7070	8140	8440	5830
9	1880	520	836	1200	1160	1080	4610	12700	7540	7880	8580	5760
10	1790	1080	866	1240	1210	1100	4740	13200	7510	8090	8410	5660
11	1720	1000	883	1350	1260	1090	4630	13200	7210	8230	8380	5440
12	1720	1480	1000	2110	1300	1010	4390	13400	6900	8610	8350	5170
13	1720	1460	1340	3110	1150	1040	4020	13100	7070	8810	8320	5050
14	1730	1160	1260	3250	1020	1040	4340	12400	6950	8700	8250	5050
15	1800	1010	1360	2950	800	1000	4430	9710	6900	8700	8230	5170
16	1900	1000	1160	3470	900	1010	4590	8350	7040	8460	8260	5320
17	1920	1230	954	3170	930	996	4720	8320	7120	8410	8290	5340
18	1920	1230	789	1950	990	1070	4930	8200	6930	8670	8410	5340
19	1920	1290	774	3050	980	1030	4560	8670	6840	8750	8460	5390
20	1930	830	887	3020	1010	1120	4880	8750	6440	8780	8350	5390
21	1920	891	932	950	1020	1200	4810	8990	6210	8870	8380	5000
22	1780	903	1000	1860	1020	1300	5120	8720	6290	8990	8260	4740
23	1590	815	1160	1120	1020	2080	5320	8750	6950	8720	8230	4610
24	1400	804	1270	1050	1020	2540	8030	8580	7320	8640	8060	3580
25	1110	820	1320	1100	1030	2740	7970	7800	7600	8670	7830	3060
26	1110	826	1150	1380	1070	2760	7770	7910	7260	8780	7740	2820
27	1150	831	1100	1320	1080	3230	5960	7880	6950	8780	7710	2640
28	1400	832	943	1030	1090	4370	4500	7830	7320	8580	7630	2360
29	1110	838	959	890	4910	4930	4480	7830	7510	8520	7570	2120
30	1130	1010	958	850	4930	4960	5960	8580	8000	8640	7290	6950
31	1100	1100	1000	1100	1100	4960	7120	8580	8000	8720	6950	

Max	1725	984	986	1659	1061	1763	4990	8946	7014	8496	8165	4862
Acres	106.000	68.550	60.640	102.600	58.910	108.400	296.900	550.100	417.300	522.400	501.400	295.200
Year	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963

MEAN 4.252
ACRES-HECT 5.076.400

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10.50	8.11	7.50	7.10	7.45	7.64	9.06	10.34	10.92	10.85	10.94	10.78
2	10.28	8.14	7.47	6.86	7.45	7.62	8.40	10.32	10.88	10.83	11.05	10.66
3	10.20	8.26	7.80	6.96	7.56	7.76	8.91	10.24	10.75	10.84	11.04	10.57
4	10.18	8.58	7.76	7.11	7.72	7.76	8.86	10.26	10.96	10.74	10.92	10.64
5	10.06	8.50	7.60	7.17	7.90	7.59	8.94	10.26	11.04	10.65	10.72	10.48
6	10.24	8.26	7.50	6.94	8.06	7.53	8.86	10.22	10.84	10.66	10.62	10.59
7	10.21	8.20	7.39	6.82	7.88	7.25	9.02	10.22	10.88	10.94	10.67	10.63
8	10.14	8.26	7.30	6.89	7.62	7.12	9.01	10.28	10.32	11.06	10.76	10.62
9	10.06	8.13	7.29	6.94	7.44	7.16	8.98	10.26	10.56	10.96	10.70	10.59
10	9.99	8.14	7.43	6.98	7.48	7.24	8.08	10.51	10.65	10.78	10.70	10.66
11	9.82	8.21	7.36	7.04	7.60	7.36	8.94	10.24	10.66	10.70	10.72	10.68
12	9.58	8.18	7.26	7.12	7.77	7.50	9.50	10.27	10.46	10.65	10.76	10.60
13	9.42	8.16	7.16	6.87	7.98	7.48	9.41	10.24	10.70	10.80	10.77	10.55
14	9.14	8.22	7.36	7.22	8.04	7.44	8.88	10.25	10.73	10.93	10.71	10.52
15	9.18	8.12	7.51	7.20	8.00	7.52	10.00	10.22	10.66	11.06	10.61	10.44
16	9.09	8.06	7.78	7.08	7.81	7.42	10.15	10.29	10.61	11.00	10.66	10.60
17	9.05	7.80	7.72	7.16	7.67	7.51	10.51	10.53	10.76	10.96	10.67	10.58
18	9.04	8.18	7.74	7.02	7.65	7.05	10.24	10.12	10.78	10.86	10.54	10.74
19	8.96	8.40	7.62	6.81	7.62	7.40	10.02	10.34	10.98	10.88	10.62	10.70
20	8.91	8.54	7.42	6.94	7.54	7.40	10.18	10.52	11.06	10.90	10.76	10.64
21	8.87	8.50	7.38	7.18	7.62	7.60	9.88	10.50	11.04	10.86	10.76	10.94
22	9.20	8.37	7.16	7.32	7.50	7.64	10.26	10.54	10.88	10.96	10.82	10.96
23	9.34	8.52	7.08	7.76	7.52	7.39	9.88	10.52	10.68	10.96	10.70	10.64
24	9.26	8.19	7.06	7.80	7.64	7.65	10.28	10.56	10.71	10.84	10.80	10.90
25	9.24	8.02	7.20	7.72	7.52	7.70	10.25	10.51	10.98	10.85	10.82	10.76
26	9.01	7.88	7.40	7.71	7.48	7.88	10.27	10.46	10.97	10.90	10.76	10.64
27	8.92	7.75	7.46	7.86	7.60	8.08	9.94	10.46	10.78	10.96	10.70	10.22
28	8.82	7.64	7.46	7.94	7.60	8.64	9.56	10.56	10.68	10.97	10.55	10.05
29	8.76	7.52	7.46	7.86	7.56	8.93	10.16	10.18	10.54	10.93	10.76	9.71
30	8.62	7.40	7.38	7.80	7.50	8.96	10.26	10.66	10.68	10.83	10.68	9.78
31	8.58		7.16	7.57				10.85		10.80		

Year
Mean
Acres

5-1138

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	62	61	62	60
2	0	0	0	0	0	0	0	62	61	61	62	60
3	0	0	0	0	0	0	0	62	61	61	62	60
4	0	0	0	0	0	0	0	15	62	61	62	60
5	0	0	0	0	0	0	0	32	62	61	62	60
6	0	0	0	0	0	0	0	32	62	60	62	60
7	0	0	0	0	0	0	0	52	62	60	62	60
8	0	0	0	0	0	0	0	58	62	60	62	60
9	0	0	0	0	0	0	0	60	62	61	62	60
10	0	0	0	0	0	0	0	60	62	60	62	60
11	0	0	0	0	0	0	0	62	62	60	62	60
12	0	0	0	0	0	0	0	62	62	60	62	60
13	0	0	0	0	0	0	0	62	62	60	62	60
14	0	0	0	0	0	0	0	62	61	60	60	60
15	0	0	0	0	0	0	0	62	61	60	60	60
16	0	0	0	0	0	0	0	62	61	60	60	60
17	0	0	0	0	0	0	0	62	61	60	60	60
18	11	0	0	0	0	0	0	62	61	60	60	60
19	15	0	0	0	0	0	0	62	61	60	60	60
20	4	0	0	0	0	0	0	62	61	60	60	60
21	0	0	0	0	0	0	0	62	61	60	60	60
22	0	0	0	0	0	0	0	62	61	60	60	60
23	0	0	0	0	0	0	0	62	61	60	60	60
24	0	0	0	0	0	0	0	62	61	60	60	60
25	0	0	0	0	0	0	0	62	61	60	60	60
26	0	0	0	0	0	0	0	62	61	60	60	60
27	0	0	0	0	0	0	0	62	61	60	60	60
28	0	0	0	0	0	0	0	62	61	60	60	60
29	0	0	0	0	0	0	0	62	61	60	60	60
30	0	0	0	0	0	0	0	62	61	60	60	60
31	0	0	0	0	0	0	0	62	61	60	60	60

MEAN	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1.0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0

MEAN 84.2
ACRES-FEET 17.600

15. **THE**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	13.2	15.2	15.0	12.7
2	0	0	0	0	0	0	0	0	13.6	15.0	15.0	11.6
3	0	0	0	0	0	0	0	0	14.0	15.0	15.2	12.7
4	0	0	0	0	0	0	0	0	14.4	14.8	15.2	12.8
5	0	0	0	0	0	0	0	0	14.4	14.8	15.0	12.7
6	0	0	0	0	0	0	0	0	14.5	15.7	15.0	12.6
7	0	0	0	0	0	0	0	0	13.2	16.1	14.9	12.7
8	0	0	0	0	0	0	0	0	13.2	14.6	15.1	12.7
9	0	0	0	0	0	0	0	0	15.0	16.2	15.2	12.6
10	0	0	0	0	0	0	0	0	12.0	16.1	15.3	12.7
11	0	0	0	0	0	0	0	0	15.0	16.0	15.3	12.7
12	0	0	0	0	0	0	0	0	15.1	16.1	13.7	12.6
13	0	0	0	0	0	0	0	0	15.2	16.2	11.5	12.6
14	0	0	0	0	0	0	0	0	14.4	16.6	11.9	12.6
15	0	0	0	0	0	0	0	0	13.6	16.4	15.4	12.5
16	0	0	0	0	0	0	0	0	13.5	16.6	15.1	12.5
17	0	0	0	0	0	0	0	0	12.4	16.8	14.3	12.6
18	0	0	0	0	0	0	0	0	12.5	16.9	12.6	12.7
19	0	0	0	0	0	0	0	0	12.4	17.2	15.1	12.6
20	0	0	0	0	0	0	0	0	11.9	17.3	15.3	10.8
21	0	0	0	0	0	0	0	0	11.0	17.2	15.4	7.8
22	0	0	0	0	0	0	0	0	12.2	17.2	15.4	7.8
23	0	0	0	0	0	0	0	0	12.3	17.2	15.4	7.9
24	0	0	0	0	0	0	0	0	12.4	17.2	12.7	7.9
25	0	0	0	0	0	0	0	0	12.5	17.3	12.6	7.9
26	0	0	0	0	0	0	0	0	12.4	17.1	12.6	7.9
27	20	0	0	0	0	0	0	0	12.4	16.8	12.6	7.9
28	0	0	0	0	0	0	0	0	14.9	16.7	12.3	8.0
29	0	0	0	0	0	0	0	0	15.0	16.9	12.6	8.0
30	0	0	0	0	0	0	0	0	15.0	16.6	12.6	7.9
31	0	0	0	0	0	0	0	0	14.3	15.6	12.7	12.7

[illegible]

MEAN 57.1
VARIANCE 41.512

NO
HIVE

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								155	1170	1130	1270	850
2								370	1150	1150	1290	850
3								540	1160	1180	1290	830
4								760	1160	1180	1280	810
5								930	1150	1180	1270	810
6								1000	1140	1190	1200	790
7								1060	1130	1200	1160	770
8								1070	1140	1190	1170	750
9								1080	1150	1180	1120	730
10	140							1080	1150	1180	1100	730
11	470							1080	1130	1210	1100	730
12	507							1090	1100	1230	1100	730
13	491							1090	1070	1230	1070	730
14	462							1090	1070	1240	1060	730
15	117							1090	1070	1240	1060	730
16								1090	1070	1240	1060	730
17								1090	1070	1230	1060	730
18								1080	1080	1230	1060	730
19								1090	1080	1230	1060	730
20								346	1090	1230	1060	730
21								465	1080	1230	1060	730
22								540	1080	1240	1060	730
23								590	1080	1240	1060	730
24								650	1080	1270	1040	730
25								660	1120	1280	1030	730
26								650	1160	1280	1030	730
27								640	1170	1280	1030	720
28								1150	1160	1280	1020	720
29								1170	1150	1270	1020	420
30								1180	1120	1270	920	
31											850	

No water diverted on days for which no discharge is given

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Mean	72.9							977	1,114	1,225	1,096	715
Acres	4340							60,050	66,270	75,350	67,360	42,570

Year
Mean
451
Acres-Feet
326,260

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								559	720	720	950	930
2								609	720	730	960	930
3								623	710	730	960	930
4								660	720	730	930	910
5								670	730	730	920	900
6								680	720	730	910	920
7								700	710	730	920	920
8								710	700	730	920	910
9								700	700	730	910	900
10								700	720	710	920	900
11								690	720	710	920	900
12								690	720	710	920	900
13								690	710	720	910	900
14								690	720	720	910	900
15								700	730	720	920	900
16								700	730	740	910	890
17								700	720	740	920	900
18								700	730	740	930	890
19								710	750	730	920	890
20								720	750	730	920	900
21								710	750	730	920	900
22								710	730	800	920	900
23								710	720	900	920	870
24								720	720	940	920	890
25								710	730	940	930	880
26								720	740	930	920	870
27								730	730	950	920	860
28								720	730	950	910	860
29								710	710	950	930	860
30								730	710	950	920	880
31								720	710	950	930	

No water diverted on days for which
no discharge is given

Mean	0	0	0	0	0	401	698	724	792	923	897
Lowest	0	0	0	0	0	23,870	42,730	43,060	46,670	56,760	55,360

YEAR
or
FISCAL YEAR
MAY 1
209,440

1176	2563	2852	2326	2113	278	296	292	397	464	567	706	43,450
69,990	157,600	175,400	158,400	129,800	16,510	18,220	16,230	24,380	28,640	33,130	43,450	

新V匯入

NOTES

9411

Journal of Management Education

1000-1000 V

851-198

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1610	672	672	640	568	515	270	2070	2850	3350	3590	3240
2	1600	675	675	640	568	501	76	2240	3040	3380	3570	3250
3	1590	678	678	628	637	498	71	2430	3090	3420	3560	3190
4	1600	672	672	634	634	529	69	2670	3090	3460	3510	3160
5	1600	672	672	672	672	529	77	2760	3020	3530	3530	3130
6	1600	672	672	672	672	520	260	2970	3560	3500	3500	3010
7	1560	675	675	668	668	520	1660	3170	3510	3520	3520	2890
8	1530	432	432	634	634	526	1120	3200	3460	3530	3530	2760
9	1470	40	625	625	620	529	662	3210	3460	3530	3530	2660
10	1480	102	628	628	628	532	675	3220	3460	3520	3520	2500
11	1480	141	625	625	565	532	675	3220	3460	3520	3520	2500
12	1480	329	628	628	565	526	665	3250	3470	3520	3520	2460
13	1480	665	628	628	526	710	710	3260	3090	3550	3530	2460
14	1470	675	628	628	526	825	825	3260	3060	3520	3550	2460
15	1480	668	668	634	523	964	964	3300	3000	3480	3560	2460
16	1470	668	668	643	523	982	982	3280	2900	3460	3560	2450
17	1450	668	668	631	523	989	989	3340	2870	3500	3560	2440
18	1430	668	668	622	532	978	978	3280	2790	3540	3550	2440
19	1430	662	662	622	544	989	989	3340	2740	3590	3560	2410
20	1350	672	672	628	547	996	996	3350	2740	3610	3560	2410
21	1210	672	672	625	544	1060	1060	3340	2730	3610	3540	2280
22	1060	672	672	619	556	1210	1210	3350	2790	3590	3530	2130
23	935	668	668	619	553	1290	1290	3360	2910	3570	3530	1890
24	858	672	672	625	529	1360	1360	3360	2950	3610	3530	1790
25	858	672	672	637	532	1420	1420	3330	3060	3610	3530	1670
26	819	668	668	634	547	1600	1600	3320	3280	3640	3500	1590
27	768	672	672	634	547	1940	1940	3320	3240	3630	3460	1590
28	764	672	672	634	538	2060	2060	3300	3280	3630	3400	1590
29	761	672	672	631	515	1790	1790	3240	3220	3630	3410	1590
30	720	675	675	631		3300	3300	3200	3250	3610	3360	3280
31	707			634		3300	3300	3220	3250	3610	3360	3280

MEAN	1278	594	629	686	662	638	956	2105	3015	3552	3513	2423
ACRES	78,600	25,360	29,280	26,020	21,190	22,070	66,860	190,900	179,300	217,200	216,000	144,200

MEAN 1758
ACRES-1758
1,257,980

Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
299	299	291	280	436	378	4240	3240	25	25	202	200
301	301	278	280	420	378	3890	3940	24	9	200	200
301	299	278	283	387	375	4550	2890	22	9	198	198
301	301	278	283	378	378	4190	2740	450	9	196	198
301	299	280	296	372	372	4100	2740	32	9	158	158
301	299	283	339	384	372	2740	2740	518	8	198	200
301	299	283	342	372	372	2740	296	296	10	202	200
299	299	283	345	367	375	1940	814	13	12	202	200
299	299	283	347	372	375	2640	5190	12	8	202	200
301	301	275	1870	375	375	2680	5450	12	7	202	200
301	299	280	283	378	378	3440	5350	15	7	202	200
301	299	283	372	378	378	2940	5350	15	7	202	200
301	299	278	737	375	375	2680	5450	12	8	202	200
301	301	275	1870	378	375	2480	4550	13	72	202	200
299	299	283	2920	375	375	2700	3220	13	268	202	200
299	299	283	2760	372	372	2560	541	13	193	202	204
301	296	280	2760	372	372	3160	315	13	198	202	206
304	296	278	2890	372	375	3160	286	13	198	202	204
299	299	278	2600	378	372	2560	288	16	196	202	204
299	299	278	2100	378	372	2640	740	19	196	202	204
299	296	301	2720	378	381	2540	1300	23	196	202	204
299	301	278	1660	375	375	2590	784	23	202	214	263
299	299	275	430	375	372	2590	642	14	202	268	263
301	299	283	430	375	375	1840	808	10	202	263	269
301	301	286	430	375	2330	4740	76	9	202	263	263
299	299	286	430	375	2010	4790	23	10	202	263	263
299	299	280	433	375	1980	4040	14	9	200	263	263
301	301	278	475	375	2050	2640	13	8	198	263	263
301	301	280	610	378	2660	702	12	7	200	263	263
401	456	456	401		3520	1500	781	7	200	263	263
278	278	278	278		3820	1510	1510		202	263	263

Black	Blue	Green	Yellow	Orange	Red	Pink	White
200	200	200	200	200	200	200	200
18,450	17,820	17,250	16,210	15,160	14,610	13,500	12,990

YUAN
MEAN 732
ACHR-FREY 529,750

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1									30496	17932	4060	
2									30333	17330	3890	
3									30176	16740	3710	
4									30004	16160	3590	
5									29493	15590	3580	
6									28815	15160	3570	
7									28140	14750	3560	
8									27474	14340	3550	
9	8685								26812	13930	3540	
10									26267	13530	3530	
11									26077	13130	3530	
12									25942	12740	3530	
13									25787	12360	3530	
14									25632	11950	3530	
15									25479	11540	3450	
16									25328	11130	3270	
17									25177	10610	3100	
18									25024	9950	2940	
19									24885	9300	2790	
20									24746	8690	2660	
21									24538	8100	2540	
22									24098	7490	2430	
23									23575	6920	2330	
24									22977	6490	2230	
25									22322	6080	2130	
26									21680	5700	2040	
27									21032	5360	1950	
28									20394	5070	1860	
29									19769	4800	1780	
30									19159	4560	1700	
31									18545	4250		

Year												
Month												
Day												

Year
or
Month

Year
or
Month

Year
or
Month

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	17								3	52	201	5
2	17								3	89	296	8
3	17								3	97	292	1
4	17								3	267	283	5
5	17								3	351	216	5
6	17								3	349	203	5
7	17								3	345	202	5
8	10								3	343	202	5
9	2								3	283	198	5
10	2								3	104	198	5
11	2								3	76	196	5
12	2								3	76	191	5
13	2								3	76	202	5
14	2								3	75	206	5
15	2								3	74	203	5
16	2								4	74	259	85
17	2								4	70	334	80
18	2								4	68	321	74
19	2								4	68	297	69
20	2								4	108	292	64
21	2								4	219	301	59
22	2								4	261	281	54
23	2								4	299	208	53
24	2								4	328	200	51
25	2								8	326	182	50
26	2								10	326	163	48
27	2								10	326	145	46
28	2								10	319	129	44
29	2								10	312	113	43
30	2								48	305	98	41
31	2									306	89	

Mean	Accum. Feet	Year
43.1	2570	1910
219	15,490	1911
207	12,720	1912
5.9	361	1913
Est. 2	154	1914
Est. 2	119	1915
Est. 2	125	1916
Est. 2	111	1917
Est. 2	123	1918
Est. 2	119	1919
5.6	347	1920

MEAN 41.9
Accum. Feet 50,560

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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1	394	374	365	372	358	358	348	345	598	448	704	456
2	390	374	360	362	348	348	348	660	576	489	735	452
3	394	374	360	362	348	348	348	830	562	493	704	444
4	394	376	360	362	354	348	348	841	571	497	684	412
5	354	376	360	362	362	348	348	880	530	580	679	401
6	390	379	360	362	362	348	348	941	489	714	631	394
7	387	372	360	362	354	348	348	997	459	761	612	390
8	387	354	362	362	340	348	348	1130	463	761	558	351
9	388	362	362	344	344	348	348	1450	497	756	598	348
10	390	372	345	348	344	351	351	1340	528	745	584	387
11	387	372	355	351	344	344	348	1100	549	589	571	585
12	387	372	348	348	354	348	344	880	617	524	576	363
13	387	372	360	340	348	348	348	803	704	497	545	387
14	383	372	365	354	354	348	344	793	665	482	541	376
15	383	369	366	354	340	344	351	803	636	485	558	383
16	387	372	372	365	340	354	369	803	576	516	545	412
17	383	369	365	362	344	348	362	803	558	485	612	419
18	383	369	358	365	344	354	365	847	545	474	626	419
19	390	369	358	337	344	351	383	885	520	463	650	419
20	390	369	358	312	365	351	397	880	516	470	694	430
21	383	372	365	344	354	351	405	820	497	501	684	433
22	379	376	365	372	354	354	430	750	493	549	670	430
23	379	376	362	372	351	354	415	740	482	660	650	453
24	383	372	365	372	354	351	401	730	470	684	607	444
25	383	372	365	365	358	351	412	715	463	694	580	426
26	379	372	362	365	358	344	482	700	452	735	566	413
27	376	372	369	369	358	337	562	685	444	756	545	412
28	363	372	358	365	358	337	589	670	433	735	528	403
29	369	369	372	362	362	337	520	645	423	709	512	401
30	369	369	372	362	362	340	512	612	419	689	508	401
31	272	369	365	354	362	337	594	594	419	709	478	

Mean	384	371	360	353	352	348	390	635	524	602	604	409
Acres-Feet	23,610	22,109	22,120	21,709	19,550	21,380	23,240	51,320	31,210	36,990	37,160	24,330

Year
Mean
462
Acres-Feet
334,710

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	729	735	656	656	701	701	729	1030	1070	806	1110	843
2	735	729	650	680	701	701	672	1050	1040	849	1070	824
3	729	729	645	680	701	701	656	1250	1040	874	1080	812
4	735	741	672	672	702	702	667	1460	1020	874	1060	831
5	741	735	672	680	704	704	672	1570	1010	905	1040	788
6	735	729	680	680	704	704	672	1610	950	1060	1020	747
7	729	729	680	680	706	706	662	1600	924	1100	1020	747
8	729	735	680	680	690	690	656	1830	924	1100	1020	741
9	735	735	706	685	684	684	656	1950	938	1120	924	741
10	735	735	685	685	701	701	662	1880	983	1120	957	735
11	729	662	670	670	724	724	667	1750	983	1050	944	735
12	724	670	656	656	712	712	678	1520	1130	918	924	735
13	724	680	656	656	706	706	678	1410	1230	886	924	729
14	724	684	656	656	701	701	695	1370	1150	861	899	735
15	724	684	683	640	735	701	689	1380	1080	861	899	724
16	724	684	683	640	764	701	695	1370	1150	861	899	735
17	718	684	680	680	706	701	712	1390	1040	861	912	753
18	724	684	680	680	712	701	701	1400	1000	874	950	776
19	729	689	664	678	718	695	701	1410	990	845	976	776
20	741	689	664	678	724	689	718	1420	964	837	990	782
21	729	684	670	650	730	684	741	1410	944	837	1010	794
22	724	689	689	689	742	684	753	1370	924	861	1040	824
23	724	689	689	689	747	689	776	1280	880	964	1010	849
24	724	689	689	689	747	684	759	1260	880	983	983	837
25	724	689	689	689	776	678	764	1230	861	1050	938	806
26	718	678	684	680	735	672	849	1210	849	1050	918	788
27	724	684	684	684	735	662	970	1200	837	1100	905	776
28	718	689	689	689	701	663	1050	1180	824	1080	899	770
29	712	656	656	656	663	663	990	1160	812	1080	880	764
30	718	656	656	656	672	672	931	1130	812	1060	874	764
31	718	656	656	656	678	678	931	1100	812	1040	861	764

Mean	728	684	678	640	690	691	745	1587	865	964	966	778
Feet	44,670	40,690	41,380	39,360	38,340	42,620	44,320	86,290	57,410	59,280	59,400	46,270

YEAR
MILAN
ACRE-Feet
698,989
627

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	988	949	923	802	949	962	955	1260	1560	1080	1200	1080
2	975	1010	898	790	949	1010	1040	1400	1500	1110	1190	1070
3	975	732	814	814	962	1000	949	1790	1420	1120	1370	1040
4	1000	898	814	862	988	1000	910	2080	1500	1130	1340	1080
5	1000	1080	910	838	988	975	943	2300	1430	1160	1310	1050
6	1010	1010	949	838	988	1000	930	2350	1250	1380	1320	975
7	1000	1010	1050	654	962	975	949	2350	1280	1420	1250	975
8	1000	910	975	814	949	975	878	2720	1230	1400	1220	962
9	1000	949	983	874	910	975	1010	2920	1290	1420	1180	949
10	1010	936	874	936	936	975	875	2850	1370	1420	1230	949
11	1000	1000	886	936	975	975	984	2760	1340	1370	1200	962
12	1000	1010	1000	898	975	975	971	2370	1670	1220	1290	936
13	988	949	826	898	1000	975	967	2260	1910	1180	1280	949
14	988	949	898	936	1010	958	1010	2180	1670	1160	1260	936
15	975	949	1010	949	923	967	1050	2220	1530	1160	1250	949
16	975	962	1040	936	886	980	1060	2320	1480	1160	1250	949
17	975	962	962	923	923	980	1120	2410	1420	1150	1230	988
18	962	962	949	949	949	954	1030	2100	1420	1110	1230	1000
19	975	949	949	936	923	955	1110	2200	1370	1090	1230	1000
20	962	949	923	744	850	952	1120	2180	1320	1130	1250	988
21	949	949	936	850	931	1150	2080	1280	1280	1230	1290	1010
22	962	936	936	898	924	1160	2180	1250	1220	1280	1290	1000
23	962	936	936	975	940	1130	1850	1220	1220	1220	1280	1010
24	962	936	936	975	928	1080	1910	1180	1180	1260	1230	1010
25	962	936	949	988	912	1080	1870	1160	1160	1310	1190	1000
26	962	949	975	949	907	1200	1780	1150	1150	1220	1160	1000
27	923	936	949	975	975	1400	1720	1110	1050	1380	1130	975
28	962	923	962	975	905	1480	1740	1050	1050	1380	1130	988
29	962	923	826	975	845	1380	1630	1050	1050	1380	1130	988
30	962	962	838	975	862	1560	1560	1090	1090	1370	1120	975
31	962	962	910	923	923	1560	1560	1090	1090	1370	1120	975

U.S. DEPARTMENT OF AGRICULTURE
BUREAU OF WEATHER SERVICE

YEAR 1940
MIDNIGHT 1140
AFTERNOON 625.500

977	949	932	898	952	964	1072	2094	1853	1253	1230	991
60,080	56,470	57,320	55,060	52,880	56,850	63,810	128,700	80,550	77,060	75,630	58,990

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	665							952	1910	751	667	780
2	738							1080	1740	722	634	846
3	810							1510	1590	608	694	915
4	810							2050	2030	600	703	928
5	829							2520	1840	570	684	940
6	838							2680	1530	824	667	890
7	838							2660	1270	1000	642	846
8	829							3470	1090	990	625	813
9	838							4260	1160	1020	592	857
10								4060	1410	1050	642	857
11								4240	1500	1000	642	846
12								3650	2630	824	703	846
13								3790	3840	742	915	846
14								3600	3150	694	952	846
15								3570	2560	722	965	846
16								3620	2410	694	890	835
17								3600	2580	713	879	835
18								3470	2580	659	824	868
19								3410	2050	642	770	928
20								3340	2260	577	791	928
21								2850	2520	585	879	990
22								2450	2580	634	879	1020
23								2540	2560	577	868	1000
24								2880	1640	600	868	1080
25								2900	1080	676	835	990
26								2880	742	659	824	965
27								2700	600	642	813	940
28								2950	642	650	802	928
29								2950	650	650	791	868
30								2520	667	667	770	868
31								2050	703	676	780	

Mean	2943	1828	723	774	898
Yield	161,000	108,900	44,470	47,590	53,440
Area	800	14270			

Year
or
Period
Mean
Area-Yield

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	600	1450	1260	1320			1490	868	1900	534	391	600
2	630	1430	1280	1350			1600	770	1650	544	391	680
3	720	1460	1270				1600	890	1420	521	391	765
4	797	1490	1280				1510	1290	1340	512	391	786
5	819	1530					1580	1810	1650	516	391	819
6	841	1630					1420	2160	1480	548	391	792
7	868	1620					1420	2190	1250	710	391	735
8	890	1640					1410	2320	1000	863	379	715
9	907	1600					1360	3040	902	934	375	670
10	918	1600					1400	3620	1060	1020	367	690
11	907	1600	1310				1340	3660	1260	1040	379	690
12	858	1600	1350				1370	3680	1450	912	371	685
13	852	1560					1360	3300	2950	745	426	685
14	808	1520					1310	3250	3990	665	534	715
15	792	1480		1350	1350		1440	3080	3680	670	570	715
16	819	1440	1370				1490	3190	3080	695	570	710
17	976	1390					1600	3190	2690	715	530	720
18	1070	1370					1470	3200	2900	645	548	740
19	1130	1350					1330	3100	2670	544	530	750
20	1220	1310	1380				1290	3170	2240	480	534	775
21	1250	1280	1390				1540	2470	2300	431	570	802
22	1260	1280	1390				1470	2020	2360	404	620	868
23	1250	1280	1360				1470	2060	2090	387	630	852
24	1290	1270	1350				1470	2260	1520	371	625	1010
25	1380	1290	1330				1420	2560	836	367	630	994
26	1420	1290	1360				1360	2280	660	367	615	982
27	1420	1280	1410				1360	2210	600	367	590	958
28	1440	1260	1420				1450	2240	562	363	580	952
29	1470	1230	1310				1390	2490	539	367	585	896
30	1440	1250	1270				1370	2500		375	580	
31	1470						1380					

Day	1050	1426	1325	1249	1350	1406	1327	2605	1805	580	500	790
Year	1284											
Mean	1284											
Acres-Foot	64,570	84,860	82,060	82,950	74,980	86,440	78,950	154,000	107,400	35,670	30,760	47,000

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	478	486	456	400	382	400	564	502	1650	824	598	456
2	478	486	456	400	380	400	552	862	1760	724	486	456
3	478	486	456	400	380	400	552	862	2320	769	486	449
4	478	486	456	400	350	365	564	940	1760	699	470	478
5	463	486	456	456	350	365	564	940	1760	699	470	478
6	463	486	453	265	340	364	564	960	1550	920	456	456
7	449	486	450	307	340	364	1040	1410	1430	733	442	456
8	449	486	447	352	307	364	1390	1430	1600	664	442	470
9	449	470	444	444	352	364	1580	1600	1600	664	510	456
10	442	470	442	442			1730	1600	1600	690	502	442
11	442	463	428	428			400	1710	1780	664	502	442
12	470	463	394	394			376	1990	2950	630	502	442
13	470	456	388	388			376	1940	2770	622	502	442
14	470	463	449	449			376	2100	1910	614	502	435
15	442	463	414				428	2380	1860	630	502	428
16	502	463	470				435	2470	1810	647	400	428
17	502	470	456				407	2560	1810	656	400	428
18	502	456	456				428	2530	1860	638	400	428
19	534	456	456				376	2530	2290	630	470	428
20	518	456	456				376	2290	2290	630	470	518
21	502	456	456				442	2020	2590	598	470	470
22	486	456	456				470	1890	2950	598	463	470
23	502	456	456				435	2210	3010	598	463	534
24	502	456	456				407	2560	1990	598	456	534
25	494	428	428				428	2680	1490	582	456	502
26	486	428	428				502	2680	1580	574	449	470
27	486	428	428				502	2440	1130	502	449	456
28	478	428	428				542	2890	824	502	456	442
29	470	442	442				534	2770	881	494	470	442
30	486	456					364	2290	980	470	470	
31	486						502	1940		550	470	

Year	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913
Mean	459	468	467	468	469	470	471	472	473	474	475	476
Agave-Plant	27,320	28,780	29,770	30,800	31,800	32,800	33,800	34,800	35,800	36,800	37,800	38,800

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	415							420	1520	426	68	128
2	393							506	1260	371	56	188
3	360							715	1210	298	35	245
4	344							921	1550	298	10	228
5	329							1170	1540	211	24	219
6	344							1220	1070	268	16	207
7	339							1250	867	299	16	199
8	339							1770	806	224	16	199
9	353							2310	912	196	29	224
10	334							2260	1090	199	19	232
11	268							2220	1150	180	21	228
12	283							2070	1830	147	42	236
13	393							2350	2440	137	293	232
14	324							2250	1860	128	293	219
15	329							2310	1570	147	293	211
16	329							2300	1520	172	211	196
17	288							2270	1830	165	199	203
18	268							2240	1770	169	94	228
19	313							2200	1450	172	70	249
20	355							2170	1730	147	80	245
21	344							1900	2060	128	96	213
22	334							1620	2180	92	98	328
23	329							1850	2150	80	110	350
24	334							2090	1360	70	108	398
25								2130	885	56	116	318
26								2130	572	46	110	288
27								2070	470	31	116	273
28								2070	482	37	108	241
29								2410	371	43	105	196
30								1960	382	36	105	192
31								1510		52	131	

Mean	326							1828	1516	162	99.6	240
Agree-	15,990							112,400	76,320	8,960	6,120	14,510
Feet												

YEAR
ON
MILAN
AGRE-Feet

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	250	238	246	270						414	580	554
2											329	324
3											319	314
4											305	301
5											288	288
6											288	288
7											288	288
8											288	288
9											288	288
10											288	288
11											288	288
12											288	288
13											288	288
14											288	288
15											288	288
16											288	288
17											288	288
18											288	288
19											288	288
20											288	288
21											288	288
22											288	288
23											288	288
24											288	288
25											288	288
26											288	288
27											288	288
28											288	288
29											288	288
30											288	288
31											288	288

Disch. on Oct. 12, 1937 = 233.5 cu. ft.

Year	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	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Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	484	458	428	428	345	378	552	552	1020	661	655	425
2	468	472	385	472		420	589	589	945	814	803	416
3	472	475	455	475		412	645	645	1140	772	552	486
4	475	475	455	475		389	699	699	1000	762	534	525
5	482	482	460	482		395	699	699	1000	762	534	525
6	490	490	453	490		595	772	772	897	814	534	512
7	473	489	412	489		591	809	837	837	837	530	504
8	468	412	403	464		561	897	897	897	897	552	504
9	464	403	403	464		561	1040	1040	945	845	552	521
10	464	408	408	464		561	1060	1060	945	845	562	473
11	460	416	416	460		565	1040	1040	945	767	562	420
12	460	412	408	460		578	1000	1000	1090	713	517	408
13	460	408	408	460		582	1040	1040	1360	694	486	403
14	460	399	399	460		582	1120	1120	1340	740	477	399
15	464	403	403	464		586	1400	1400	1220	667	477	395
16	473	403	320	473		599	1440	1440	1170	849	468	391
17	473	408	330	473		412	1430	1430	1260	730	460	391
18	473	408	353	473		412	1730	1730	1230	689	464	386
19	472	393	353	472		403	1530	1530	1090	639	508	378
20	508	591	341	508		386	1700	1700	1130	694	544	378
21	453	391	357	453		370	1240	1240	1520	631	548	412
22	473	395	357	473		378	1420	1420	1690	621	559	416
23	464	382	343	464		607	1620	1620	1400	631	526	451
24	464	365	343	464		589	1640	1640	1120	621	526	425
25	442	374	353	442		353	1620	1620	1030	645	477	412
26	433	365	353	433		353	1580	1580	984	694	458	403
27	433	341	341	433		353	1740	1740	927	664	429	395
28	429	332	332	429		357	1740	1740	903	659	429	395
29	420	350	350	420		357	1740	1740	891	659	429	395
30	438			438		361	1740	1740				

1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576	1575	1574	1573	1572	1571	1570	1569	1568	1567	1566	1565	1564	1563	1562	1561	1560	1559	1558	1557	1556	1555	1554	1553	1552	1551	1550	1549	1548	1547
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Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	116	220	225	225	225	237	364	460	166	49	70	73
2	116	227	223	222	222	244	384	471	154	57	67	73
3	114	223	222	222	222	244	395	493	145	58	67	73
4	114	220	239	222	222	244	384	526	135	63	71	82
5	118	231	237	225	225	244	374	560	119	69	76	82
6	116	244	225	225	225	246	384	595	113	70	58	88
7	119	248	223	223	223	250	395	595	110	79	63	89
8	116	248	227	227	227	260	374	606	105	105	76	89
9	114	244	233	233	233	270	364	595	111	116	70	90
10	111	244	235	235	235	280	364	584	119	113	67	91
11	105	246	227	220	220	290	374	560	110	111	62	91
12	104	248	220	220	220	300	384	526	104	108	56	89
13	102	250	235	235	235	322	406	493	105	107	58	88
14	101	250	246	229	229	342	438	471	101	104	65	85
15	107	250	229	223	223	342	438	438	100	98	69	84
16	110	250	223	223	223	353	526	416	94	95	71	85
17	113	250	235	235	235	384	515	384	90	104	75	84
18	110	248	235	235	235	406	482	364	77	101	75	71
19	114	246	246			416	471	342	69	91	75	82
20	113	240	240			406	460	311	68	77	74	90
21	118	240	240			406	460	290	73	79	76	91
22	124	239	239			384	460	250	70	73	75	90
23	121	239	239			395	449	225	65	59	75	88
24	116	235	235			384	427	212	64	55	73	93
25	121	235	235			374	416	199	63	59	68	93
26	122	225	225			374	438	186	63	59	71	94
27	119	222	222			374	471	166	63	59	71	95
28	159	218	218			364	493	145	56	58	77	94
29	204	222	222			353	471	130	55	58	77	94
30	210	225	225			353	471	130	52	54	73	94
31	216					353		145		61		

Mean	7,660	14,140			20,220	25,660	23,640	5,690	4,860	4,320	5,230
Feet	125	228			329	430	383	940	78.8	70.3	87.8

Year
or
Month
Mean
Feet