



STATE OF IDAHO  
DEPARTMENT OF RECLAMATION  
JAMES SPOFFORD, COMMISSIONER  
BOISE

HARRY DEWEY  
DEPUTY COMMISSIONER

A. BOTTOLESEN, GOVERNOR

January 15, 1940

HON. C. A. BOTTOLESEN  
Governor of Idaho  
Boise, Idaho

Dear Governor Bottolfsen:

It is my pleasure to transmit herewith the annual report of Lynn Crandall, Watermaster and Special Deputy Commissioner of Reclamation for Water District No. 36, during the year 1939, summarizing the operations in distributing and handling water in this District in cooperation with the Snake River users, the U. S. Geological Survey, and this department.

This report discloses that the carry-over in Jackson Lake was 313,000 acre-feet, American Falls Reservoir, 252,000 acre-feet, and Island Park, 53,000 acre-feet at the end of the 1939 irrigation session, which aggregates 617,000 acre-feet, compared with 1,000,000 acre-feet in Jackson Lake and American Falls reservoirs for the same period last year. The utilization of the storage water in Island Park Reservoir for the first year of its operation shows a great benefit to the Madison-Rexburg areas, and it will probably prove a greater benefit next year.

Mr. Crandall still maintains a high standard for the effective and economical operation of this water district, and the appreciation of this courteous and economical administration of the waters of Snake River is reflected by the loyal support and cooperation of the water users, the Committee of Nine, and state and federal agencies.

Respectfully submitted,

*James Spofford*  
JAMES SPOFFORD,  
Commissioner of Reclamation



BENJAMIN A. SPOFFORD  
GOVERNOR  
WATER DISTRICT NO. 36  
COMMISSIONER

C. A. Bottolfsen, Governor  
James Spofford, Commissioner

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

WATER DISTRICT NO. 36

January 13, 1940

Mr. James Spofford  
Commissioner of Reclamation  
Boise, Idaho.

Dear Sir:

Herewith is the annual report of operations in Water District No. 36 for 1939.

While the river run-off for the year was substantially below normal ample supplies of stored water were available to make up for the deficiency in natural flow and were adequate for all needs. Water from the new Island Park Reservoir was available for the first time, to the great benefit of the farmers in the Ashton-Rexburg area.

Storage holdovers at the end of the season in Jackson Lake and American Falls reservoirs amounted to 565,000 acre-ft., a substantial figure although far less than the 1,000,000 acre-feet that was held over the year previous.

The work as in past years was carried on as a cooperative stream gaging and water distribution program by the U. S. Geological Survey, State of Idaho and Water District No. 36.

Your own interest and cooperation in the solution of various problems affecting the district has been especially helpful and the assistance of the Committee of Nine and numerous water users is greatly appreciated.

Thanks are also due to the various members of the operating organization for their services and particularly to W. V. Iorns and Effie C. Jones for their assistance in the preparation of this report.

Very truly yours,

LYNN CRANDALL

Watermaster.

WATER DISTRIBUTION AND HYDROMETRIC WORK

WATER DISTRICT NO. 36

1939

By Lynn Crandall

Watermaster

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## INTRODUCTION

The annual watermaster election of District No. 36 was held at Idaho Falls on March 6, 1939. Sixty-three canals were represented with decreed rights of 39,356 sec.-ft. Lynn Crandall was reelected as watermaster for the ensuing year and the following were selected as members of the advisory committee of nine:

Frank A. Miller, Chairman; E. H. Neal, Vice-Chairman; W. O. Cotton, John E. Kelley, Eph Ricks, Hyrum Severson, N. V. Sharp, R. E. Shepherd, Dana Templin and John Lee, Secretary.

Mr. Templin retired from active service as Supt. of the Minidoka Project at the close of the 1939 season and was succeeded by Mr. S. R. Marean who took his place as a member of the Committee.

Stored water transmission losses were approved at the annual election on the same basis as during 1938, namely, 2 $\frac{1}{2}$ % Moran to Heise; 4.4% Heise to Lorenzo; 0.5% Lorenzo to Shelley; 6% Shelley to Blackfoot; 4% Henrys Lake to Island Park; 2% Island Park to Warm River; 0.5% Warm River to Ashton.

On May 27, 1939, at the request of the United States, Mr. Crandall was also appointed by James Spofford, Commissioner of Reclamation, as special deputy to handle the distribution of stored water on Snake River and Henrys Fork.

The water supply during 1939 was substantially below normal on Snake River. Delivery of storage below American Falls began on May 14 and continued without interruption until the end of September.

Canals on the river diverted about 2,000,000 acre-feet of storage during the season, but fortified by large storage supplies the water-users scarcely realized that they were passing through what, except for the existence of American Falls Reservoir, would have been called a moderately dry year. A few timely rains at critical periods during the irrigation season helped to reduce the demand and hold on natural flow rights to a later priority than could otherwise have been filled.

Due to the large holdover in American Falls Reservoir in the fall of 1938 the filling of that reservoir for 1939 was assured and some water was spilled at times prior to April 5th, 1939 when it filled to capacity. The total spill of surplus water past Milner prior to May 14, when storage draft from American Falls Reservoir began, was about 900,000 acre-feet in excess of Idaho Power Co. requirements.

Jackson Lake filled to capacity on May 31 by virtue of storing normal flow therein belonging to downstream canals with prior rights. After allowing for such stored normal flow there remained 802,380 acre-feet of storage water in Jackson Lake for reservoir allotment. Storage draft from Jackson Lake began on July 1st.

Upper valley regulation began on May 20 when 1914 rights were cut off. The river flow in 1939 was insufficient to furnish any water for the so-called "flood water rights" of 1916 priority belonging to upper valley canals but in spite of this fact their diversions in acre-feet for the season were the largest ever recorded. The low point of natural flow supply was reached Aug. 28 when all rights later than July 1, 1889 were cut off. Due to rains thereafter rights were restored until by Sept. 14 rights of 1900 priority were being supplied

although by the end of September the 1935 rights were again cut off. Jackson Lake gates were closed on Sept. 28 and upper valley regulation by river riders was terminated Sept. 30. Rains about the middle of September and early in October reduced the demand for water thereafter so that there wasn't as much diverted early in October 1939 by upper valley canals as is usually the case at that time of year.

There was quite an active demand for stored water for seasonal rental. Most of the sales through the storage pool were handled at 35¢ per acre-foot, this being the lowest price at which any water was offered for sale in midsummer. In September some water was sold through the pool at 25¢ per acre-foot and there were some sales by certain canals direct to other neighboring ones at 12¢ per acre-ft., the price of the American Falls lease water.

There was no water shortage of much importance suffered by any of the canals in the district during 1939 as adequate amounts of storage were available for rent at 35¢ per acre-ft. for all who cared to buy. The Henrys Fork area which has suffered most in past dry years had an ample supply in the new Island Park Reservoir which was only about 50% used in 1939. Except for the September rains there would have been a much heavier use of storage that month in the upper valley than actually occurred.

On September 30, 1939 there remained about 252,000 acre-ft. in American Falls, 313,000 acre-ft. in Jackson Lake, 53,000 acre-ft. in Island Park and 49,000 acre-ft. in Henrys Lake reservoirs, respectively.

Grassy Lake Reservoir was completed and ready to store water at the close of the 1939 season but none was stored there for 1939 delivery.

Activities by the Bureau of Reclamation in connection with the proposed South Fork Reservoir consisted principally of studies in the Denver office resulting in a reallocation of the estimated cost between power, irrigation and flood control.

Some progress was made towards reconciling Idaho and Wyoming viewpoints on water regulation in Teton Basin and a temporary agreement was reached between the State Engineer of Wyoming and the State Commissioner of Reclamation of Idaho together with interested water-users and members of the Compact committees. This agreement was in force in Teton Basin for a while towards the latter end of the season and provided for dividing the flow of the creeks between the two states. No success has so far attended attempts to find a basis for agreement between the two states on water deliveries to land irrigated in Wyoming from tributaries of the South Fork. Mr. Spofford, Commissioner of Reclamation, has contributed much time and effort towards the solution of the problem of a possible interstate agreement between Idaho and Wyoming and it was principally through his efforts and those of Mr. Bishop, State Engineer of Wyoming, that an agreement was reached on regulation in Teton Basin.

PERSONNEL

The persons engaged in water distribution during the year were as follows:

Lynn Crandall,	Watermaster & Deputy Commissioner of Reclamation.
W. V. Iorns,	Assoc. Engineer & Deputy Watermaster.
Melvin Luke,	Deputy Watermaster at St. Anthony.
L. K. Homer,	Hydrographer during irrigation season.
F. W. Tolles,	Hydrographer during irrigation season.
Effie C. Jones,	Clerk.
I. V. Goslin,	Deputy Watermaster & Hydrographer, Teton Basin.
D. W. Archibald,	Deputy Watermaster, Henrys Fork.
J. K. Thatcher,	Deputy Watermaster, Lower Teton River.
Walter C. Lenz,	Deputy Watermaster, Upper Fall River.
D. R. Crystal,	Deputy Watermaster, Heise Division.
H. M. Bramwell,	Deputy Watermaster, Rigby Division.
A. C. Kelley,	Deputy Watermaster, Idaho Falls Division.
E. Liljenquist,	Deputy Watermaster, Blackfoot Division.
Dana Templin	Deputy Watermaster, Minidoka Dam.
G. S. Gilham,	Deputy Watermaster, Milner Dam.
F. S. Thomas,	Swan Valley Division.
A. W. Heath,	Supt. American Falls Dam.
B. B. Hill,	Supt. Jackson Lake Dam.
Geo. Pilcher,	Supt. Island Park Dam.

Mrs. Levi Stone, D. O. Rawson, Mrs. Irvin Siepert, J. F. Johnson, Manuel Lee, D. R. Anthony, Annie Fugal, J. A. Clough, T. E. Culley, A. J. Ayers, and S. P. Sorenson, gage readers.

SNOW SURVEYS

The results of snow surveys on the Jackson Lake watershed during past years are shown in the following tabulation. These surveys have been made for some years past by B. B. Hill, Jackson Lake Reservoir Supt.

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

(Observations made 14-21st of each month)

Year	January		February		March		April	
	Snow	Water	Snow	Water	Snow	Water	Snow	Water
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
1938	42	11.3	61	18.9	65	22.5	67	27.7
1939	46	11.6	69	20.4	74	24.0	42	19.1
Average, inches	44	11.2	57	17.0	62	20.8	56	22.2

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.

Due to mild weather late in March and early in April some of the snow melted and went into the ground between the March and April 1939 surveys so that the April survey showed less water than in March.

Snow measurements were also made during 1939 by Mr. Hill on the Buffalo River watershed and together with those for previous years are shown in the following tabulation.

Table showing average snow depths and  
water content in inches on Buffalo River watershed

Year	Depth in inches			
	Feb. 1 - 6		Mar. 23 - 29	
	Snow	Water	Snow	Water
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
1938	53	14.2	67	21.3
1939	48	13.0	56	19.0
Average inches	42	11.6	.60	19.6

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

The following measurements are supplied by the U. S. Dept. of Agriculture, Bureau of Agricultural Engineering. The measurements were made by employees of the Forest Service, Bureau of Reclamation and National Park Service.

Station	Depth in Inches									
	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
Island Park										
1936 Season	21	4.2	41	11.0	54	15.6	50	16.0	33	12.0
1937 Season	25	3.0	44	9.0	51	14.6	48	14.5	18	7.6
1938 Season	26	5.9	37	8.2	48	11.9	64	19.5	32	12.0
1939 Season	24	4.9	48	10.1	53	14.4	33	11.2		
Big Springs										
1936 Season	24	5.5	54	15.6	65	21.8	70	23.3	41	17.3
1937 Season	26	3.4	52	10.5	63	17.6	59	20.2	32	12.0
1938 Season	28	6.4	40	9.6	53	14.7	72	23.3		
1939 Season	31	7.8	48	11.4	60	18.3	50	17.8		

Station	Depth in Inches									
	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
<u>Valley View Ranch</u>										
1936 Season	22	5.0	-	-	-	-	58	19.8		
1937 Season	23	3.1	-	-	-	-	47	13.8	31	12.2
1938 Season	-	-	-	-	-	-	62	20.0	30	12.5
1939 Season	22	3.8	-	-	-	-	40	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		
1938 Season	32	8.2	52	14.0	59	18.9	91	29.4		
1939 Season	39	10.0	69	17.2	85	25.1	57	24.4	18	8.3
<u>Teton Pass (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		
1938 Season	33	9.0	-	-	69	25.4	97	34.6		
1939 Season	49	13.2	55	16.0	78	26.4	77	28.6		
<u>State Line (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		
1938 Season	15	2.0	-	-	41	12.9	56	20.1		
1939 Season	31	6.1	34	7.1	46	12.1	35	12.8		
<u>Camp Creek (Mud Lake drainage)</u>										
1936 Season	16	2.4	26	4.9	35	8.0	27	6.0		
1937 Season	32	3.6	34	6.3	31	8.5	39	10.8		
1938 Season	12	3.2	20	4.8	41	11.9	52	16.7		
1939 Season	11	2.3	22	4.1	32	7.3	17	4.8		
<u>East Rim (Hoback)</u>										
1936 Season	10	1.7	-	-	-	-	62	22.6		
1937 Season	17	2.8	-	-	-	-	38	12.2	35	12.9
1938 Season	19	4.0	-	-	-	-	45	13.2	20	6.6
1939 Season	23	4.9	-	-	-	-	33	7.2		
<u>Bryan Flat (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
1938 Season	13	2.8	21	5.5	26	6.7	39	11.4	0	0
1939 Season	17	3.9	30	6.6	31	8.4	24	8.0		

Station	(Depth in inches)											
	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	Snow	Water
<u>Yellowjacket Flat</u>												
(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		
1938 Season	12	2.8	16	3.2	21	4.2	31	7.4	0	0		
1939 Season	16	2.6	20	3.9	26	5.2	19	5.1	-	-		
<u>Grover Park Divide</u>												
(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	-	-		
1938 Season	16	4.2	25	5.6	25	7.9	42	12.4	-	-		
1939 Season	-	-	23	6.4	36	9.4	20	7.6	-	-		
<u>CCC Camp FF12</u>												
(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	-	-		
1938 Season	18	4.4	30	6.7	32	8.4	43	13.2	-	-		
1939 Season	-	-	29	5.7	36	10.1	21	7.8	-	-		
<u>Afton Ranger Sta.</u>												
(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	-	-		
1938 Season	7	1.3	11	2.3	10	2.9	0	0	-	-		
1939 Season	-	-	23	3.7	25	6.2	0	0	-	-		
<u>Cottonwood Lake</u>												
(Salt River)												
1936 Season	-	-	-	-	-	-	79	28.5	-	-		
1937 Season	-	-	-	-	-	-	43	15.0	-	-		
1938 Season	-	-	48	11.2	43	14.0	59	18.9	-	-		
1939 Season	-	-	-	-	-	-	36	15.4	-	-		
<u>Slug Cr. Divide</u>												
(Blackfoot River)												
1936 Season	-	-	-	-	-	-	77	28.0	-	-		
1937 Season	-	-	-	-	-	-	49	16.4	-	-		
1938 Season	-	-	-	-	-	-	53	16.7	-	-		
1939 Season	-	-	-	-	-	-	24	9.4	-	-		
<u>Greys Boundary</u>												
(Greys River)												
1936 Season	-	-	38	9.3	46	15.0	50	18.9	-	-		
1937 Season	-	-	25	3.0	40	10.3	31	11.6	-	-		
1938 Season	16	3.9	29	6.9	29	8.6	32	12.4	-	-		
1939 Season	-	-	41	8.0	44	13.3	23	7.6	0	0		
<u>Deadman Ranch</u>												
(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	-	-		
1938 Season	13	2.5	24	4.9	26	7.6	35	10.5	-	-		
1939 Season	28	4.1	36	6.6	36	9.4	Traces	0	0	0		

The March 1939 Snow Survey on the Jackson Lake watershed showed a water content 15% above normal and one which had been exceeded only three times during the preceding 20 years. The promise of abundant water supply indicated by the March survey did not materialize, probably due to marked deficiency of precipitation during March and May with resultant heavy evaporation losses from the snow fields. Observations indicate that the river run-off, for years with similar snow supply early in the spring, seems to be more affected by variations in precipitation during May than by any other single factor. If May is a wet month more run-off occurs than would be expected from the snow surveys; if May precipitation is far below normal the run-off is usually less than anticipated. July and August 1939 were also months of deficient precipitation over most of the drainage area.

The run-off at Moran for the year ending Sept. 30, 1939, corrected for variations in holdover at Jackson Lake, was only 86% of normal as the result of these unfavorable factors that occurred after the date of the March snow survey.

#### REGULATION SCHEDULE

The following schedule shows the priorities being filled after upper valley regulation began on May 20. The earliest lower valley rights of October 11, 1900 priority continued to be partially filled from inflow below Blackfoot, after rights of that date were cut off above Blackfoot. The amounts of natural flow received each day during the regulation period by lower valley canals are shown on Plates 12-13 incl.

1939 REGULATION SCHEDULE

May 20 Cut off 1914 rights.  
 " 25 Cut off rights later than 1905 priority.  
 June 2 Filled 1913 rights.  
 " 6 Cut off rights later than 1905 priority.  
 " 19 Filled May 24, 1913 rights.  
 " 27 Cut off rights later than 1905 priority.  
 " 28 Cut off rights later than Mar. 22, 1903.  
 July 4 Cut off rights later than Oct. 11, 1900.  
 " 8 Cut off all 1900 rights.  
 " 9 Cut off 1898 rights.  
 " 10 Filled 50% July 9, 1896 right.  
 " 11 Cut off rights later than Feb. 6, 1895.  
 " 12 Filled 2/3 Feb. 6, 1895 right.  
 " 14 Filled 40% Feb. 6, 1895 right.  
 " 15 Filled 20% Feb. 6, 1895 right.  
 " 16 Filled 10% Feb. 6, 1895 right.  
 " 17 Cut off all of Feb. 6, 1895 right.  
 " 18 Filled 50% Aug. 18, 1894 right.  
 " 19 Cut off 1892 rights.  
 " 20 Filled 50% Dec. 14, 1891 right.  
 " 21 Cut off June 1, 1891 rights.  
 " 22 Filled 75% Jan. 24, 1891 rights.  
 " 23 Filled 50% Jan. 24, 1891 rights.  
 " 24 Cut off all 1891 rights.  
 " 25 Cut off Oct. 16, 1890 rights.  
 " 26 Cut off July 12, 1890 right.  
 " 28 Restored July 12, 1890 right.  
 " 29 Filled 25% Oct. 16, 1890 right.  
 " 31 Filled all 1890 rights.  
 Aug. 1 Filled Jan. 24, 1891 right.  
 " 4 Cut off Jan. 24, 1891 right.  
 " 5 Cut off Oct. 16, 1890 rights.  
 " 7 Filled 50% July 12, 1890 right.  
 " 13 Cut off July 12, 1890 right.  
 " 16 Cut off June 10, 1890 right.  
 " 19 Cut off all 1890 rights.  
 " 20 Filled 20% July 10, 1889 right.  
 " 28 Cut off rights later than July 1, 1889  
 " 30 Filled 50% July 10, 1889 right.  
 " 31 Filled all 1889 rights in full.  
 Sept. 10 Restored June 1, 1890 rights.  
 " 11 Restored 50% June 10, 1890 right.  
 " 12 Restored all 1890 rights.  
 " 13 Restored Jan. 24, 1891 right.  
 " 14 Restored part of Oct. 11, 1900 right.  
 " 20 Cut off rights later than Feb. 6, 1895.  
 " 26 Cut off all 1895 rights.

There was no regulation after Sept. 30 as general rains during  
 the first week in October reduced the demand sufficiently so that water  
 began spilling past Blackfoot into the American Falls Reservoir.

WATER SUPPLY

Due to ample supplies of stored water there were no crop losses of any consequence suffered under any of the canals that could be supplied from the reservoirs. Users on some of the tributaries of Fall River, however, were very short of water during the latter part of the season but the acreage involved was not large.

Run-off at some of the principal stations during the year ending Sept. 30, 1939 is shown in the following tabulation:

<u>Station</u>	<u>Run-off in Acre-feet</u>			
	<u>1939 Run-off</u>	<u>Average Run-off</u>	<u>Years of Record</u>	<u>1939 Per- cent of aver.</u>
Snake at Moran	892,900	1,040,000	36	86
Snake nr. Heise	4,321,000	5,100,000	36	85
Snake at Neeley	4,221,000	5,820,000	43	72
Henry's Fork at Warm River	636,000	722,000	25	88
Henry's Fork nr. Rexburg	1,210,000	1,408,000	31	86
Fall River nr. Squirrel	541,000	539,000	26	100
Teton River nr. St. Anthony	532,500	527,000	12	101

The run-off at Moran and Heise has been corrected for Jackson Lake holdovers, at Neeley for American Falls holdovers and at Rexburg and Warm River for Henry's Lake and Island Park holdovers.

A normal run-off occurred during 1939 from the west slopes of the Teton Range as indicated by the run-off on Fall and Teton rivers. Elsewhere the run-off was about 86% of average, except at Neeley where the run-off has been less since the construction of American Falls Reservoir than it formerly was. The run-off during the irrigation season only was less in relation to average than the run-off for the year as a whole, due to large winter flow following 1938.

There were about 900,000 acre-feet of surplus water discharged past Milner in excess of Idaho Power Co. rights from Oct. 1, 1938 to May 10, 1939. No water was spilled after May 10th. During the past four years the following amounts of surplus water have been spilled past Milner to the Pacific Ocean, in excess of use by the Idaho Power Co.

<u>Year ending Sept. 30</u>	<u>Water wasted past Milner (acre-feet)</u>
1936	620,000
1937	382,000
1938	1,310,000
1939	900,000
Total	3,212,000

The maximum discharge at Heise occurred on June 1st and amounted to 18,800 second-feet. No flood damage of any consequence was reported at the river stages prevailing during 1939.

#### TRANSFERS AND EXCHANGES

Two permanent transfers were granted during the year by the Dept. of Reclamation after advertising and hearing as provided by the Idaho Statutes.

Transfer No. 600 - To U. S. Bureau of Reclamation -  
1 sec.-ft. June 1, 1893; 2.2 sec.-ft.  
June 1, 1900; 2.4 sec.-ft. June 1, 1901;  
2.6 sec.-ft. Sept. 20, 1901 of waters of  
Sheridan Cr., Hotel Cr. and Grizzly Springs,  
formerly used on lands flooded by Island  
Park Reservoir, transferred to lands within  
Fremont-Madison Irrig. Dist.

Transfer No. 602 - To Henry G. Bauer -  
2.71 sec.-ft. June 1, 1879 of waters of  
Teton River transferred from Stewart Ditch  
to Row Ditch.

Owing to the ample supply of stored water in Island Park Reservoir the need for natural flow transfers among Henrys Fork canals was largely limited to exchanging natural flow for storage so that the canals on Fall River could secure stored water. The supply of natural

flow in Fall River was sufficient to meet all requests for storage by the various canals on that stream during 1939.

A few canals on Snake River shut out their water for short periods after mid-summer and received credit for 90% of the water so accumulated. Owing to rains in September however, much of this water was not used and still remained in Jackson Lake at the end of the season as Jackson Lake water available for 1940 allotment to Jackson Lake rights.

#### LITIGATION

Issuance of a decree in the case of the lower users on Teton River vs. users in Wyoming was still delayed during 1939 pending results of negotiations between the interested parties on a compact or stipulated agreement.

The Suit of the Burley Irrig. Dist. vs. the Secretary of the Interior relative to the so-called winter water saving contract was tried in the U. S. District Court of the District of Columbia during March 1939. The decision in that Court was in favor of the Defendant.

Decisions of the Wyo. State Engineer and Board of Water Control denying rights claimed by the Utah-Idaho Sugar Co. in Emma Matilda and Two Ocean Lake were appealed to the Wyoming State Court at Jackson, Wyo. by the Sugar Co.

In a summary suit against the watermaster and various water users on Palisade Creek, Lucille Baker was awarded 270 miner's inches of the waters of Palisade Creek with priority of Aug. 15, 1893. The award of this right was designed to correct an omission in the Rexburg decree.

In an uncontested summary suit against the watermaster, William S. Blakely and Collins Blakely were awarded 4 sec.-ft. of Oct. 21, 1899 priority of the waters from Kelly Canyon near Heise.

A suit was filed in October 1939 against the watermaster by J. A. Young seeking to acquire certain rights on Rock Creek and Schaffer Creek, northeast of Ashton.

#### CANAL DELIVERIES

Daily diversions from the main river between Heise and Blackfoot for the months May to September incl. are shown on Plates 6 to 10 inclusive. No record of diversions by these canals was secured for other periods of the year. Records of diversions by canals below American Falls are secured for the full 12 months each year and are shown on Plates 35-44 incl.

The canals from Roberts to Blackfoot were beginning to divert water quite generally for irrigation by May 1st. Canals above Roberts did not use much, if any, irrigation water until about May 6, although they probably would have started earlier except for the necessity of doing work on the canal systems.

The use of water for irrigation in the upper valley during early October was much less than usual, due to rains. Later on, however, after the crops were gathered the mild dry weather resulted in some water being used for fall irrigation and watering the ground preparatory to ploughing, this use extending well on into December in some areas.

The following tabulation shows the seasonal diversions, and acreage served under canals diverting from Snake River between Heise and Milner. A similar tabulation for canals on Henrys Fork and tributaries is shown in the chapter covering distribution on Henrys Fork. Complete records for the season were not kept of diversions by canals on the headwater areas in Swan Valley, Teton Basin, Island Park, etc. in the same detail as for the canals shown in the following tabulation,

as they were only visited when required from time to time for regulation purposes. The figures on irrigated acreage in the following table were furnished by the various canal companies. Canals are listed in downstream order from the Heise gaging station.

Diversions during 1939 irrigation season

Canal	(Snake River Canals)			
	Irr. season Divisions (acre-ft.)	Area under canal (acres)	Area drawing water 1939 (acres)	Divisions acre-ft. per acre, 1939
Riley	5,380	873	800	6.7
Anderson & Eagle				
Rock	224,000(a)	33,000	31,500	7.1
Farmers Friend	97,400	10,500	10,300	9.4
Enterprise	32,800	5,000	5,000	6.6
Nelson-Holt	288	80	50	5.8
Mattson-Craig	2,470	650	430	5.7
Arnsberger	425	200	120	3.5
Ross & Rand	910	150	130	7.0
Butler Island	13,000	1,320	1,000	13.0
Steele	2,370	290	240	9.9
Harrison	107,400	16,000	16,000	6.7
Cheney	1,520	240	180	8.4
Rudy & Boomer	51,600	5,100	5,000	10.3
Kite & Nord	1,400	195	140	10.0
Burgess	209,000	23,000	21,000	9.9
Clark & Edwards	19,600	1,945	1,700	11.5
Lowder & Jennings	9,150	1,260	800	11.4
East LaBelle	31,700	2,200	2,100	15.1
Sunnydell	29,000	3,596	3,490	8.3
Lenroot	30,500	3,600	3,600	8.5
Reid	36,000	5,000	4,300	8.4
Texas Feeder	66,800	8,500	7,000	9.5
Nelson-Corey	2,640	640	400	6.6
Hill-Pettinger	718	210	120	6.0
Rigby	46,400	4,000	4,000	11.6
Dilts	6,480	780	640	10.1
Island	36,000	3,400	3,000	12.0
W.LaBelle & Long .				
Island	129,600	9,000	8,500	15.2
Parks & Lewisville	90,000	6,500	6,000	15.0
North Rigby	14,200	1,500	1,500	9.5
White	1,170	250	150	7.8
Ellis	692	100	80	8.7
Bramwell	1,720	400	200	8.6
Butte & Market Lake	60,800	19,000	18,000	3.4
Osgood	31,400	7,000	6,000	5.2
Bear Island & Smith	567	240	160	3.5
Idaho	268,000 (a)	35,440	35,440	7.6
Kennedy	9,200	2,230	1,900	4.8
Gt.Western & Porter	174,700	26,500	25,830	6.8
Coy	115	40	30	3.8
Woodville	19,500	3,000	3,000	6.4

Canal	Irr. Season Diversions (acre-ft.)	Area under canal (acres)	Area drawing water 1939 (acres)	DivERSIONS acre-ft. per acre, 1939
Snake River Valley Reservation	146,000(a) 192,400(b)	25,000 60,000	21,150 32,192	6.9 6.0
Blackfoot	82,900	15,000	12,000	6.9
New Lava Side	38,400	6,000	5,000	7.7
Peoples	118,000	20,000	18,500	6.4
Aberdeen	312,000	62,298	55,000	5.7
Corbett	40,500	7,000	6,000	6.7
Nielsen-Hansen	2,760	480	450	6.1
Riverside	29,800	5,000	3,500	8.5
Danskin	51,600	6,000	6,000	8.6
Trego	15,500	1,400	1,250	12.4
Wearyrick	16,200	1,600	1,500	10.8
Watson	34,200	4,880	4,800	7.1
Parsons	6,320	1,000	800	7.9
North Minidoka	459,710	62,512	55,000	8.4
South Minidoka	331,600	53,946	52,000	6.4
No. Side Project	1,043,000	170,000	155,000	6.7
Twin Falls Canal	1,115,000	202,610	202,610	5.5
Milner Low Lift	47,320	10,000	9,033	5.2
Gooding	383,600	89,500	54,000	7.1
Total	6,333,225	1,047,155	925,615	6.8

(a) Used some water from Willow and Sand creeks in addition.

(b) 91,500 from Snake R., balance from Blackfoot R. and Sand Cr.  
DivERSIONS for upper valley canals are May to Sept.;  
lower valley canals Apr. to Sept. incl.

The foregoing table shows diversions from the main river only.  
DivERSIONS from Henrys Fork and tributaries are shown separately elsewhere in this report.

The total diversions during 1939 by the foregoing canals were the greatest ever recorded. They were about 406,000 acre-feet greater than in 1938 and were 395,000 acre-feet more than in 1935, the year of maximum diversions prior to 1939. Most of the excess was due to heavy use during May. Canals below American Falls diverted 53% of the total shown in the tabulation and upper valley canals 47%. These percentages are the same as those in 1938, so the increased use of water in 1939 occurred in both the upper and lower valleys, probably as the result of prevailing weather conditions.

Canals above American Falls, excluding Henrys Fork, diverted 382,118 acre-ft. of storage or 18% of their total diversions. Canals below American Falls used 1,550,000 acre-feet of storage or 46% of their total diversions for the season.

Water was spilled past Milner in varying daily amounts beginning about Dec. 1, 1938 as it was apparent that American Falls would be filled for 1939 with a substantial surplus. After Jan. 5, 1939 it was not necessary for the Idaho Power Co. to order any water specially released for its account as water was being wasted anyhow. After May 10 when spill of surplus water ceased and up to Sept. 30, 1939 the Power Co. drew 15,213 acre-feet of its primary storage past Milner.

The following tabulation shows the amount of water used by months in various sections of the District during the past 10 years.

Diversions in Thousands of Acre-feet  
Heise to Blackfoot

<u>Year</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
1930	436	675	682	464	414	2671
1931	411	546	490	360	226	2033
1932	379	563	687	579	384	2592
1933	226	756	674	527	387	2570
1934	548	359	399	275	211	1792
1935	276	684	662	445	326	2393
1936	489	619	677	520	420	2725
1937	392	600	658	520	361	2531
1938	356	680	628	592	465	2721
1939	585	620	691	564	393	2853
Average excluding 1931 & 1934	392	650	670	526	394	2632

19.  
Diversions in Thousands of Acre-feet  
Henry's Fork and Tributaries

<u>Year</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
1930	201	220	159	138	102	820
1931	200	156	100	72	62	590
1932	205	222	192	152	98	869
1933	162	267	176	143	91	839
1934	186	117	86	48	42	459
1935	187	236	170	104	79	776
1936	218	217	178	138	106	857
1937	200	223	163	126	84	796
1938	185	238	180	159	119	881
1939	228	225	206	167	117	943
Average ex- cluding 1931						
& 1934	198	231	178	141	100	848

1939 figures are after correction for water spilled  
from Cross Cut Canal into Teton River.

Minidoka Project

<u>Year</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
1930	110	83	153	165	131	105	747
1931	64	143	155	167	110	46	685
1932	35	125	140	173	159	111	743
1933	70	129	165	171	164	110	809
1934	43	97	71	101	36	12	360
1935	33	101	147	172	154	107	714
1936	26	169	128	169	150	99	741
1937	18	145	130	176	156	96	721
1938	32	147	145	145	167	113	749
1939	77	164	130	165	159	97	792
Average ex- cluding 1931							
& 1934	50	133	142	167	155	105	752

North Side Canal Co. Project

1930	146	127	191	214	172	112	962
1931	81	187	183	173	147	50	791
1932	72	157	174	217	212	157	989
1933	65	169	207	204	226	164	1035
1934	52	118	127	120	62	33	512
1935	15	151	194	212	161	100	833
1936	42	201	200	202	198	130	973
1937	40	176	185	228	218	126	973
1938	51	180	201	211	212	155	1010
1939	95	208	197	217	215	111	1043
Average ex- cluding 1931							
& 1934	66	171	194	213	202	132	978

20.  
Diversions in Thousands of Acre-feet  
Twin Falls Project

<u>Year</u>	<u>Apr.</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
1930	134	154	184	224	192	130	1018
1931	77	194	180	205	203	116	975
1932	48	155	160	212	223	173	971
1933	85	197	201	218	223	162	1086
1934	129	167	154	175	191	124	940
1935	36	167	178	202	210	159	952
1936	54	209	195	219	219	142	1038
1937	57	191	179	217	216	144	1004
1938	55	186	187	198	215	167	1008
1939	126	208	195	215	221	150	1115
Average ex- cluding 1931							
& 1934	74	183	185	213	215	153	1023

Gooding Project

1932	14	54	60	82	71	38	319
1933	2	43	58	70	58	45	276
1934	31	59	58	65	59	40	312
1935	3	54	65	67	57	1	247
1936	2	66	73	83	69	39	332
1937	10	60	66	75	68	43	322
1938	3	39	61	76	74	63	316
1939	31	76	69	79	75	53	383
Average ex- cluding Sept.							
1935	12	56	64	75	66	46	319

Diversions during April and May were considerably above normal at all points. June diversions were below normal in the upper valley and on the Minidoka project but were slightly above normal at points further downstream.

July diversions were above normal everywhere except on the Minidoka Project. August diversions were high in all areas while due to rains September use was below normal except on the Gooding Project and in the Henrys Fork area.

The total diversions for the 1939 season were the greatest ever recorded except on the Minidoka Project where they were slightly exceeded by the 1933 diversions.

RIVER DATA

The segregation of river flow and diversions between stored and normal for the period of storage use from May 10 to Sept. 30 is shown on Plates 12-13. The methods used in computing these quantities, the segregation of outflow from the reservoirs between stored and normal, and transmission losses charged to stored water are on the same basis as in 1938 and previous years.

At Jackson Lake it is assumed that evaporation losses on the stored water are offset during the season by bank storage return flow. The evaporation losses are greatest however, when the lake is at its maximum level just as storage draft begins, while the return from bank storage does not occur until later when the lake level is substantially lowered. On this account it is the practice when first starting to draw storage from Jackson Lake to lag behind several hundred sec.-ft. each day in making the natural flow cuts, using stored water to make up the deficiency, until about 10,000 acre-ft. of storage has been so used. This water is gradually recovered for the storage owners later on in the season when Jackson Lake is lower and also at times when sudden cuts are made in the amount of storage being carried in the river thereby permitting some return flow from river-bank storage.

Using the determined stored water flow at Moran and subtracting transmission losses and stored diversions a quantity is determined each day shown on Plates 12-13 as "Theoretical balance stored at Blackfoot". When the 1900 rights are being filled this same quantity is taken as stored at the Clough station, the balance at that point being called normal flow. After the 1900 rights were cut which means that no natural flow is to be delivered past Blackfoot for downstream rights, the normal flow at Cloughs was taken as 150 sec.-ft. plus flow from Blackfoot River in excess of 1 sec.-ft. seepage water. During the latter

half of September there was some water spilled at times past Blackfoot as natural flow due to rains and reduced demand. During the season there were 14,329 sec.-ft. or 28,400 acre-ft. of Jackson Lake storage delivered past Cloughs for use by downstream canals in excess of the amount necessary to replace natural flow belonging to lower valley canals that was adversely stored at Jackson Lake during May.

From May 10 to 29th water was being stored at Jackson Lake that, according to priority of rights, belonged as natural flow to certain canals below American Falls Reservoir. From May 30 to June 21 there was some water spilled from Jackson Lake at times that could have been retained there under the Jackson Lake priorities if the reservoir had not previously been filled with the stored natural flow. No water was available for the Jackson Lake storage rights after June 22 on which date there still remained in Jackson Lake 44,620 acre-ft. of stored normal flow for delivery to American Falls Reservoir to replace water drawn as natural flow by downstream canals entitled to the water that was adversely stored at Jackson Lake. The segregation of river flow and canals diversions as shown on Plates 12 to 13 in this report has been computed as if it had been possible to foresee in advance how much water should have been released from Jackson Lake each day prior to June 22 to have exactly filled prior rights. The figures shown on Plates 12-13 as minus storage quantities represent natural flow adversely retained at Jackson Lake. In computing the seasonal totals at the various measuring stations such minus quantities are offset by delivery of an equal amount of stored water later on in the season.

There were nine sets of measurements made during the season of the inflow to American Falls Reservoir between Clough and Neeley stations. Daily discharges of this spring inflow have been interpolated between such measurements and together with the daily record of Port-

neuf River at Pocatello and unmeasured inflow averaging about 1,300 sec.-ft., have been combined to determine total daily inflow from Clough to Neeley as shown on Plate 11. These daily quantities added to the normal flow at Cloughs give the normal flow available each day at Neeley for delivery to downstream canals. All additional amounts diverted by such canals have been classed as stored water. Under this system of classification the net gain from Neeley to Milner during the regulation period is called stored water.

#### STORED WATER DELIVERIES

American Falls rights were filled in full at the beginning of the 1939 season. Jackson Lake filled later on by virtue of storing natural flow belonging to prior rights below American Falls. On June 22 the last date for which any water was available for storage under the Jackson Lake priority there still remained 44,620 acre-feet of stored normal flow in that lake for delivery to American Falls reservoir to replace storage delivered as natural flow to downstream canals that were entitled to the water adversely stored at Jackson Lake.

The Jackson Lake allotment for 1939 was determined as follows:

Reservoir capacity	847,000 acre-ft.
Stored normal flow	<u>44,620</u> "
Available for reservoir allotment	802,380 "
Bottom rights in full	<u>437,810</u> "
Available for top rights	364,570 "
T.F.Canal Co. top right	86,590 "
N.S.Canal Co. top right	277,980 "

1939 STORAGE ALLOTMENTS - IN ACRE-FEET

(Downstream order from Heise)

Canal	J. Lake right	Am. Falls right	Am. Falls lease	Total allotment
Poplar Irr. Dist.	1,200	793	370	2,363
Progressive Irr. Dist.	0	14,609	7,533	22,142
Farmers Friend	2,000	0	0	2,000
Enterprise Canal Co.	6,100	10,509	4,908	21,517
Harrison	5,000	11,994	6,185	23,179
Rudy	2,000	2,000	1,031	5,031
Burgess	5,120	7,496	4,501	17,117
Lowder	1,040	0	0	1,040
Sunnydell	4,000	0	0	4,000
Lenroot	3,000	4,504	2,322	9,826
Reid	0	3,002	0	3,002
Dilts	0	1,034	533	1,567
Enterprise Irr. Dist.	0	12,000	10,604	22,604
Fremont-Madison Irr. Dist.	0		19,763	19,763
Butte & Market Lake	0	3,002	2,804	5,806
Osgood	0	15,852	8,175	24,027
Bear Island	0	225	105	330
Smith	0	79	41	120
Kennedy	355	0	0	355
Idaho	0	26,986	12,602	39,588
Martin	1,500	2,250	1,050	4,800
New Sweden	5,000	28,528	14,711	48,239
Woodville	0	9,000	4,200	13,200
S.R. Valley	15,000	27,645	12,909	55,552
Blackfoot	0	15,033	7,020	22,053
New Lava Side	0	0	714	714
Peoples	8,000	22,519	11,613	42,132
Aberdeen	42,685	41,533	33,467	117,485
Corbett	0	4,000	1,868	5,868
Trego	0	1,462	683	2,145
Minidoka	325,810	50,000	25,785	401,595
Milner Low Lift		34,113	15,931	50,044
Twin Falls C. Co.	86,590	151,185	70,603	308,378
No. Side Project	287,980	320,256	*151,562	759,798
Gooding	0	400,000	0	400,000
Idaho Power Co.	0	45,000	0	45,000
<b>Total</b>	<b>802,580</b>	<b>1,266,407</b>	<b>433,593</b>	<b>2,502,380</b>

\*Includes 123,495 for N.S. Canal Co., 6,848 for N. S. Pump Co.,  
and 21,219 for Hillsdale Irr. Dist.

In addition to the rights in Jackson Lake and American Falls Reservoirs the Minidoka Project had 95,910 acre-feet in Lake Walcott on May 13 and was credited with 53,000 acre-feet gain Neeley to Milner on days when that project was drawing storage from May 14 to Sept. 30.

The Utah-Idaho Sugar Co. was credited with 4627 acre-feet discharged from Emma Matilda and Two Ocean Lakes. After June 17th the discharge from Market Lake springs, averaging about 8 second-feet, was delivered to the Kennedy Ditch for the balance of the season as a natural flow transfer, rather than calling it stored water as was done in previous years.

Daily storage diversions by the various canals on the main river are shown on Plate 14. Storage diversions of American Falls water owned or rented by Henrys Fork canals are shown as a group on this Plate but are given in detail on Plate 22.

For the convenience of numerous individuals and several canal companies desiring to rent varying amounts of water during the season, a storage pool was operated by the watermasters office through which 53,181 acre-ft. were disposed of as follows:

1939 Storage Pool OperationsProcured From:

Twin Falls Canal Co.	42,558	acre-ft.
Woodville Canal Co.	4,200	"
Reid Canal Co.	1,000	"
Idaho Irrig. Dist.	2,100	"
Lower Teton River users	2,361	" (for Teton Basin)
From 10% Penalty charge on stored normal	<u>962</u>	"
Total	53,181	"

Purchased by:

Swan Valley Users	896	"
Enterprise Canal Users	49	"
Mattson Craig Canal	114	"
Harrison Canal Users	52	"
Rudy Canal Users	103	"
Hill-Pettinger Canal	57	"
Various individuals nr. St. Anthony	228	"
Island Park users	262	"
Teton Basin users	649	" (from Snake River)
" " "	2361	" (from Lower Teton users)
Butte & Market Lake Canal	7580	"
Kennedy Canal	360	"
Capital Hill in Great Western	470	"
Aberdeen-Springfield	15,000	"
Burley Irrig. Dist.	25,000	"
Total	53,181	"

Sales through the Pool were made at 35¢ per acre-foot measured in the reservoirs, except 2,100 acre-ft. secured from the Idaho Irrig. Dist. in September at 25¢ per acre-foot. The Corbett Slough Ditch Co. sold 1,000 acre-ft. to the New Lava Side Co. and the Blackfoot Irrig. Co. sold 5,000 acre-ft. to the Peoples Canal Co., both at 12¢ per acre-ft.

The amount of American Falls water held over in Jackson Lake at the end of the 1939 season can not be determined until the various owners of space in both reservoirs specify how they desire their 1939 storage use charged. This will not be necessary if American Falls fills in 1940 as all of the water in Jackson Lake will then become

available for use by Jackson Lake rights. If American Falls Reservoir fails to fill in 1940 it will be necessary for the various canals that own space in both Jackson Lake and American Falls reservoirs to indicate in which reservoir they desire to retain their 1939 holdover, before the 1940 allotment of stored water can be made. It was not necessary to make any decision on this point during 1939 as the river was operated to retain as much water as possible at Jackson Lake anyhow, in accordance with the practice followed during recent years. If as much holdover as possible is kept in the upstream reservoirs, losses by evaporation and seepage are reduced, the water is available for use by upper valley American Falls rights and it can always be run down the river when and if needed to fill downstream rights. In many years American Falls Reservoir will fill from inflow below Jackson Lake while the latter reservoir might not fill except by reason of holdover from the previous year, so that the practice of keeping as much American Falls holdover as possible each fall in Jackson Lake is a distinct benefit to owners of space in both reservoirs.

#### 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  
1939  
(Heise dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Season
Moran	19,080	100,600	153,200	154,800	57,370	485,050
Heise	380,490	371,410	332,610	265,690	149,490	1,499,690
Riley Ditch	607	701	774	518	112	2,712
Heise & Riley	381,097	372,111	333,384	266,208	149,602	1,502,402
Tot. gain s.f.	362,017	271,511	180,184	111,408	92,232	1,017,352
Mean gain s.f.	11,680	9,050	5,810	3,590	3,070	6,650
Tot. gain ac.ft.	718,100	558,500	357,400	221,000	182,900	2,017,900

The gain in this section was less each month than in 1938. The total gain for the 5 months period was 72% of the gain during the same months in 1938.

Gain in Snake River, Heise to Shelley  
1939  
(Heise dates and 24-hr. sec.-ft., except as noted)

Station	May	June	July	Aug.	Sept.	Season
Heise & Riley	381,097	372,111	333,384	266,208	149,602	1,502,402
Rexburg	88,528	49,750	21,307	25,676	35,110	220,371
Total Supply	469,625	421,861	354,691	291,884	184,712	1,722,773
Diversions	189,420	214,862	249,704	213,575	147,035	1,014,596
Shelley	286,000	227,840	121,200	96,380	66,680	798,100
Tot. acct. for	475,420	442,702	370,904	309,955	213,715	1,812,696
Tot. gain s.f.	5,795	20,841	16,213	18,071	29,003	89,923
Mean gain s.f.	187	695	523	583	967	588
Tot. gain a.f.	11,490	41,340	32,160	35,840	57,530	178,360

During the low water months of July, Aug. and Sept. the average gain in this section was 688 sec.-ft. compared to 915 sec.-ft. during the same months in 1938. This indicates that the ground water table in this section receded during 1939 from the high levels reached in 1938. This is probably due to less recharge from river losses on account of meagre flood water in 1939.

Loss in Snake River Shelley to Clough stations  
1939  
(Shelley dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Season
Shelley	288,710	231,540	121,430	97,480	67,440	806,600
Blackfoot R.	1,359	1,396	241	66	1,076	4,138
Total Supply	290,069	232,936	121,671	97,546	68,516	810,738
Diversions	105,889	96,964	98,407	71,006	51,235	423,501
Clough	180,650	135,980	19,090	22,530	19,470	377,720
Tot.acct.for	286,539	232,944	117,497	93,536	70,705	801,221
Tot.loss s.f.	3,530	- 8	4,174	4,010	-2,189	9,517
Mean loss s.f.	114	0	135	129	-73	62
Tot.loss a.f.	7,000	- 16	8,280	7,950	-4,340	18,874

Losses in this section still continued to be low during 1939. Due to rains in June and September there was some increase in spill from canal wasteways into the river in this section resulting in apparent gains for those months. Unmeasured inflow from canal wastes and from ground water for several miles upstream from the Clough station amounts to about 200 sec.-ft. ordinarily so the over-all losses as above tabulated are really about 200 sec.-ft. less than the actual loss from Shelley to a point where ground-water inflow to the river begins several miles above Cloughs.

Loss in Snake River, Clough to Neeley stations  
1939  
(Neeley dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Season
Clough	186,908	137,516	19,030	22,424	20,026	385,904
Inflow	84,487	78,287	79,307	80,714	78,712	401,507
Reservoir Draft	93,835	89,555	237,848	225,912	82,245	729,395
Total Supply	365,230	305,358	336,185	329,050	180,983	1,516,806
Neeley	343,740	295,890	343,700	336,930	186,960	1,507,220
Tot.loss s.f.	21,490	9,468	-7,515	-7,880	-5,977	9,586
Mean loss s.f.	693	316	- 242	- 254	- 199	63
Tot.loss ac.ft.	42,625	18,779	-14,905	-15,630	-11,855	19,014

The total loss during the 5 months period in this section, which includes American Falls Reservoir, was 19,014 acre-ft., of which 5,200 acre-ft. occurred during period of storage draft May 14 to Sept. 30.

The loss during the period of storage draft is equal to 0.3% of the reservoir capacity. Gain from bank storage occurred July to Sept. but was insufficient to offset losses during May and June at higher reservoir levels. Precipitation at Pocatello May to September inclusive was 2.31" below normal which contributed to greater net evaporation losses than would otherwise have occurred.

Loss in Snake River, Neeley to Minidoka stations  
1939  
(Minidoka dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Season
Neeley	344,010	295,890	343,700	337,350	189,610	1,510,560
Walcott draft	1,010	-890	-240	600	10,310	10,790
Total supply	345,020	295,000	343,460	337,950	199,920	1,521,350
N. Minidoka	47,560	38,928	48,100	43,940	27,151	205,479
S. Minidoka	35,363	26,853	34,847	36,097	21,619	154,779
Minidoka	263,390	227,260	255,220	251,270	151,290	1,148,430
Total use	346,113	293,041	338,167	331,307	200,060	1,508,688
Tot. loss s.f.	-1,093	1,959	5,293	6,643	-140	12,662
Mean loss s.f.	- 35	65	171	214	- 5	83
Tot. loss a.f.	-2,167	3,885	10,498	13,176	-278	25,114

The gain indicated during May may be due to increased ground-water inflow below Neeley and into the upper end of Lake Walcott as the result of high lake levels in American Falls Reservoir during the 1938-39 winter. The gain during September was due to draft on Lake Walcott.

Gain in Snake River, Minidoka to Milner stations  
1939

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

Station	May	June	July	Aug.	Sept.	Season
Minidoka	263,770	227,330	254,940	252,120	153,230	1,151,390
P.A.	1,860	1,774	1,839	1,848	1,143	8,464
Milner Low Lift	4,600	4,269	4,927	5,080	3,695	22,571
Gooding	63,400	59,140	69,220	67,130	45,820	302,710
So. Milner	104,780	98,500	108,500	111,240	75,930	498,750
No. Milner	77,830	73,230	78,230	77,450	37,694	344,434
Milner	24,024	226	280	280	4,994	29,804
Total use	276,494	237,139	262,796	263,028	167,276	1,206,735
Tot. gain s.f.	12,724	9,809	7,856	10,908	14,046	55,343
Mean gain s.f.	410	327	253	352	468	562
Tot. gain a.f.	25,238	19,456	15,582	21,636	27,860	109,772

The gain for the season in this section was about the same as in 1938. The total net gain for the 5-months period from Neeley to Milner

was 84,658 acre-ft. of which 71,000 acre-ft. occurred during the period of storage use May 14 to Sept. 30. 53,000 acre-ft. of this gain occurred on days when the Minidoka Project was drawing storage and has been credited as part of the storage supply for that project. The heaviest gain from Neoley to Milner occurred during September, amounting to 28,000 acre-ft. in that month. 18,000 acre-ft. of the gain during the period of storage use occurring on days when the Minidoka Canal diversions were being supplied entirely from normal flow, was not specifically allotted but was retained as holdover at American Falls to offset such items as reservoir losses at American Falls and leakage past Milner dam, instead of charging them to individual canals.

#### Distribution on Henrys Fork

Water distribution on Henrys Fork, Fall River and lower Teton River was again under the immediate supervision of Melvin Luke, Deputy Watermaster with headquarters at St. Anthony. With Island Park Reservoir full during the first year of its use, and the Cross-cut Canal in operation, an ample water supply was available for all the canals except on Squirrel, Boone and Conant creeks, tributaries of Fall River. On Squirrel and Boone creeks the natural flow during the latter part of the summer was only sufficient to furnish stock water. Sufficient natural flow was available in Fall River to meet all demands for storage on that stream by using the Cross-cut Canal to supply part of the rights of the Fall River Canal Co.

As might be expected, with an adequate storage available for the first time, the canals on Henrys Fork and tributaries diverted the greatest amount of water in their history, 63,000 acre-feet more than they had ever previously used and about 100,000 acre-ft. more than their average past use, excluding years of pronounced shortages like 1931 and 1934.

Henry's Lake held 49,848 acre-ft. on May 28 after which no further water was available for its priority. The large outlet gates at this reservoir can not be regulated for small discharges but as near as possible it was attempted to release the natural flow during the summer. No stored water was released as such from the reservoir during 1939 and it still contained 49,204 acre-ft. when the lake gage was last read on Sept. 23, 1939.

The gates at Island Park dam were closed on Nov. 15, 1938 at which time 1 sec.-ft. of seepage water was passing the measuring station on Henry's Fork a few hundred feet below the dam. By the time the water in the reservoir reached the spillway level on April 26th the flow at the measuring station had increased to 12 sec.-ft. The gates remained closed and the water continued to flow over the spillway until June 30 when the first release of storage from the reservoir was made. With a maximum depth of flow of 1.21 ft. over the spillway on May 6th, 1100 sec.-ft. were being discharged.

The segregation of stored water and natural flow at the Island Park Dam during the regulation period in 1939 was made by taking the daily drop in the lake level and calling that quantity stored water at the measuring station just below the dam, the balance being natural flow.

Owing to the porous nature of the country around this reservoir the ground-water levels in the adjacent area and particularly to the east in the vicinity of Ponds Lodge rose considerably as the water level rose in the reservoir. It appears likely that more ground storage proportionally exists at this site than is the case with most reservoirs and some method may have to be developed of segregating natural flow and storage on the basis of measured inflow as is done at American Falls.

Measurements were made during 1939 on various streams flowing into the Island Park Reservoir in cooperation with the Bureau of Reclamation and at the same points where records have been secured for several years past. By continuing such measurements for several more years, particularly through a year of complete drawdown in the reservoir, it is expected that some equitable and practical method of segregating natural flow and storage at this point can be developed.

Natural flow rights on Henrys Fork and Fall River were regulated to the same priority as on Snake River in accordance with the schedule on page 11 except for several days about July 18 when only part of 1892 rights were filled. Rights on lower Teton River were regulated to the same schedule until July 16 and thereafter as follows:

July 17	Cut off rights later than 1886 priority.
July 20	Cut off 30% of June 1, 1885 rights.
July 25	Cut off 50% of June 1, 1885 rights.
Aug. 14	Cut off 60% of June 1, 1885 rights.
Aug. 16	Cut off 80% of June 1, 1885 rights.
Aug. 19	Cut off all June 1, 1885 rights.
Sept. 15	Filled all demands.

Henrys Lake water was allotted as follows:

Lake contents May 28	49,848 acre-ft.
Deduct dead storage	<u>2,500</u>

Available for allotment	47,348	"
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Canal	Per Cent Ownership	Acre-feet
Last Chance	15.3	7,244
St. Anthony Union	6.8	3,219
Salem Union	24.2	11,459
Egin	6.8	3,219
Independent	26.8	12,690
Consol. Farmers	<u>20.1</u>	<u>9,517</u>
Total	100.0	47,348

The foregoing quantities are subject to a loss charge of 6.39% from Henrys Lake to St. Anthony. Island Park Reservoir reached a storage capacity of 136,905 acre-feet on May 6 at a stage 1.21 ft. above spillway level. By June 30 however, when storage draft began, the lake had dropped, due to reduced inflow, to a point 0.65 ft. above spillway level or 132,390 acre-ft. of capacity which is taken as the amount of Island Park storage available in 1939.

Allotment of Island Park storage by the Fremont-Madison Irrigation Dist. was made as follows:

Canal	<u>Acre-feet in reservoir</u>
Boone Creek Canal	1,740
Squirrel Creek Canal	1,371
Conant Creek Canal	2,469
Yellowstone Canal	2,121
Harrigfeld Canal	2,145
Marysville Canal	17,167
Farmers Own Canal	10,175
Fall River Irrig. Co.	4,784
East Teton Canal (Thru Fall R.Irrig.Co.Canal)	1,310
Chester Canal	1,958
Silkey Ditch	380
Cur Ditch	353
Dewey Canal	716
Last Chance Canal	2,007
Farmers Friend	6,302
Twin Groves	5,552
Salem Union	9,323
Independent	15,614
Egin	1,955
St. Anthony Union	2,210
Consol. Farmers	5,750
Roxana Canal (Thru Consol. Farmers)	856
Siddoway	693
Wilford	1,840
Teton Irrigation	1,701
Good Luck	320
Pioneer	427
Stewart	383
Pincock-Byington	259
Pincock-Garner	400
Teton Island Canal	6,213
Wolf Ditch (Thru Teton Island Feeder)	735
Salem Irrig. Canal (Thru Teton Isl. Feeder)	3,987
Island Ward Canal	3,962

Canal	<u>Acre-feet in reservoir</u>
Woodmansee Johnson Ditch	1,471
Eames-Gardner Ditch	80
Rexburg Irrigation Canal	<u>2,477</u>
Total	119,206

The remaining Island Park water was not allotted in 1939 but was retained by the Fremont-Madison District as holdover for 1940.

The foregoing allotments are subject to 2.49% loss from Island Park Reservoir to canal headings near St.Anthony.

American Falls water owned or rented by canals on Henrys Fork during 1939 was as follows:

Enterprise Irrig. Dist.	22,604 acre-ft.
Fremont-Madison "	19,763 "
Henrys Fork users near St.Anthony	228 "
Island Park Users	262 "
Teton Basin Users	<u>649</u> "
Total	43,506 "

Allowing 7.26% transmission loss this would deliver 40,346 acre-feet at point of river diversion.

On Plate 21 the amount of Snake River storage diverted by canals on Henrys Fork and tributaries is shown as a minus storage item passing Rexburg and totals 22,029 sec.-ft. or 43,693 acre-ft. for the season. This is 3,347 acre-ft. in excess of the amount to which they were entitled measured at Rexburg and considering all the foregoing users of American Falls water as a unit. The Enterprise Irrigation District however, by itself had an unused holdover at the close of the season of 955 acre-ft. measured at Rexburg, which would make an overdraft of 4,302 acre-ft. of American Falls storage by the canals in the Fremont-Madison Irrigation Dist., measured at Rexburg, or 4,420 acre-ft. measured at Island Park Reservoir. In other words on Sept. 30, 1939 there

were 4,420 acre-ft. of American Falls water being held in Island Park Reservoir, and which will have to be allotted as American Falls water in 1940 if American Falls Reservoir fails to fill.

On the other hand the following canals used Henrys Lake water in the amounts indicated, same being supplied from Island Park Reservoir.

Last Chance & Dewey	5,237	acre-ft. measured at Isl. Park.
Salem Union	4,897	" " "
Independent	2,156	" " "
Consolidated Farmers	<u>5,994</u>	" " "
Total	18,284	" " "

Thus if the Island Park Reservoir right fails to fill in 1940 there will be 18,284 acre-ft. due it, measured at Island Park from the 1939 holdover at Henrys Lake.

Sales and transfers of storage between canals on Henrys Fork and tributaries during 1939 were as follows:

	<u>Measured in Reservoir</u>
Fremont-Madison Irrig. Dist. to Trail Creek Irrig. Co.	4,000 acre-ft.
Fremont-Madison Irrig. Dist. to String Canal Co.	1,000 "
Fremont-Madison Irrig. Dist. to Enterprise Irrig. Dist.	4,000 "
Fremont-Madison Irrig. Dist. to Canyon Cr. Irrig. Dist.	1,200 "
Fremont-Madison Irrig. Dist. to City of Rexburg	200 "
Fremont-Madison Irrig. Dist. to Twin Groves Canal	2,000 "
Enterprise Irrig. Dist. to Canyon Creek Irr. Dist.	500 "
Island Ward Canal to Consol. Farmers Canal	700 "
Storage Pool to Salem Union Canal	4 "
Storage Pool to Twin Groves Canal	33 "
Storage Pool to McBee Canal	150 "
Storage Pool to Chester Canal	41 "
Storage Pool to Teton Basin canals	649 "
Silkey Canal to Dewey Canal	300 "
Pioneer " to Good Luck	110 "

Transfers to replace natural flow exchanges

Lower Teton Users to Teton Basin users	2,361 acre-ft.
Boone Creek Canal Co. to St. Anthony Union	48 " at headgate.
Enterprise Irrig. Dist. to Salem Union	1,936 " " "
Enterprise Irrig. Dist. to Twin Groves	286 " " "
Enterprise Irrig. Dist. to St. Anthony Union	61 " " "

The sales from the Storage Pool were made at 35¢ per acre-ft. but otherwise such of the foregoing sales as were made for a cash consideration were at 15¢ per acre-ft., this price being arrived at by taking the cost of American Falls lease water at 12¢ and adding 3¢ to cover interest, cost of extra bookkeeping, etc.

In addition to the 43,693 acre-feet of Snake River storage diverted by Henrys Fork canals the following amounts passed the lowest canal heading on that stream for delivery to prior rights on Snake River and would have been available for exchange.

July	500 acre-ft.
August	18,400 "
September	<u>36,000</u> "
Total	54,900 "

Daily diversion by Henrys Fork canals are shown on Plates 16-20, incl. and storage diversions, segregation of river flow, etc. are shown on Plates 21-22.

The Cross-Cut Canal was operated during the 1939 season for the first time except for a few days test run in 1938. The following table shows the amounts of water carried in this canal during 1939.

Daily discharge, in second-feet of Cross Cut Canal

Date	At Head	Inflow from Fall R. Canal	No. Fall R. Diversion	Middle Fall R. Diversion	At Wood-fields be- low highway	At End
May 19	160	118	120	90	76	60
" 20	180	111	120	90	78	62
" 21	200	101	120	91	94	83
" 22	200	101	112	92	98	91
" 23	200	89	106	99	90	91
" 24	205	80	109	99	89	84
" 25	225	77	108	100	99	80
" 26	205	78	104	95	90	76
" 27	230	62	103	96	101	82
" 28	240	52	108	95	96	82
" 29	250	34	108	89	94	82
" 30	290	36	108	95	127	119
" 31	270	54	108	95	131	131
Total	2855	993	1434	1226	1263	1123
Aug. 1	240	112	115	94	151	150
" 2	230	43	102	88	87	79
" 3	230	47	99	88	94	55
" 4	212	74	113	58	102	90
" 5	150	45	97	85	14	11
" 6	150	37	103	85	4	0
" 7	150	39	108	70	17	0
" 8	151	48	103	92	12	6
" 9	151	60	109	95	4	0
" 10	151	49	109	90	4	0
" 11	152	40	108	89	1	0
" 12	152	40	107	89	1	0
" 13	151	40	108	88	1	0
" 14	180	39	108	87	33	20
" 15	222	28	108	83	63	60
" 16	234	20	108	88	60	53
" 17	240	19	106	89	72	66
" 18	240	22	106	92	71	70
" 19	240	23	112	90	64	60
" 20	245	25	117	89	66	66
" 21	253	24	117	89	71	60
" 22	253	22	101	94	78	75
" 23	253	46	95	94	75	66
" 24	253	13	93	95	86	75
" 25	253	12	93	95	92	88
" 26	253	12	93	69	100	102
" 27	253	12	93	69	107	104
" 28	253	12	93	69	106	102
" 29	242	12	92	69	98	103
" 30	200	13	87	64	65	59
" 31	200	13	87	64	63	56
Total	6537	1041	3188	2600	1862	1676

39.  
Daily discharge, in sec.-ft. of Cross Cut Canal-cont'd.

Date	At Head	Inflow from Fall R. Canal	No. Fall R. Diversion	Middle Fall R. Diversion	At Wood-fields below highway	At End
Sept. 1	200	13	88	66	63	56
" 2	200	13	88	69	62	55
" 3	200	13	88	69	62	55
" 4	200	13	88	70	62	54
" 5	198	14	89	71	67	55
" 6	205	14	90	70	74	70
" 7	205	19	92	70	78	89
" 8	205	22	92	68	68	87
" 9	205	22	90	65	39	50
" 10	150	22	88	63	38	50
" 11	150	22	87	58	32	50
" 12	90	22	87	54	0	0
" 13	90	11	87	49		
" 14	90	4	90	45		
" 15	90	23	92	45		
" 16	90	23	92	45		
" 17	90	22	92	46		
" 18	90	22	92	46		
" 19	90	22	90	46		
" 20	90	22	87	46		
Total	2928	358	1789	1185	707	726

There was a small gain in this canal during 1939 where it passes through the "sub" district from the head to the gaging station at Woodfields below the highway. From Woodfields to the end the loss during July-August averaged 10.5%. During September there was some waste water spilling into this section of the canal causing a gain at times. No water was run through this canal to Teton River after Sept. 12 and none was diverted at the head after Sept. 20. The Fall River Canal diverted 17,910 acre-feet of water from Henrys Fork through the Cross Cut Canal in 1939 in addition to its diversions from Fall River, in order to make stored water available for diversion by upstream canals on Fall River.

Some sink holes developed in the losing section of this canal and water in that section had to be cut out Aug. 5-13 while these were puddled.

Several trips were made into the Island Park area to regulate rights during the regulation period and users there rented 262 acre-feet of storage from the Pool. On account of the few scattered rights in this section it did not seem justifiable to go to the expense of maintaining a deputy there for daily regulation.

The following tabulation of diversions and irrigated acreage on Henrys Fork is similar to that previously given for the main Snake River, the irrigation season being taken as May to September inclusive.

Table showing diversions and irrigated areas Henrys Fork and Canals-1939

Canal	Irr. Season diversions (acre-ft.)	Area under canal (acres)	Area irrigated 1939	Diversions acre-ft. per acre irrig.
<u>Fall River Canals</u>				
Yellowstone	2,040	5,000	1,000	2.0
Harrigfeld	0	2,145	0	0
Marysville	28,700	13,900	12,200	2.4
Farmers Own	11,000	10,000	6,500	1.7
Almy	81	60	40	2.0
Enterprise	41,100	7,000	6,000	6.8
Bell	1,660	160	160	10.4
Fall River	93,910(a)	8,000	8,000	11.7
McBee	490	300	90	5.4
Chester	11,200	2,000	2,000	5.6
Silkey	4,000	620	420	9.5
Cur	10,400	1,570	1,500	6.9
Total Fall River	204,581	50,755	37,910	5.4

(a) includes 17,910 acre-ft. diverted through Cross Cut.

Henrys Fork Canals

Dewey	4,420	1,440	1,000	4.4
Last Chance	17,800	1,900	1,840	9.7
St. Anthony Union	127,000	10,000	10,000	12.7
Farmers Friend	25,300	2,900	2,900	8.7
Twin Groves	32,200	2,780	2,780	11.6
Salem Union	48,500	5,300	5,100	9.5
Egin	85,700	6,500	6,000	14.3
Union Feeder	19,900	2,000	2,000	10.0
Independent	70,500	7,000	7,000	10.1
Consol. Farmers	58,400	7,000	6,000	9.7
Total Henrys Fork	489,720	46,820	44,620	11.0

Canal	Irr. Season diversions (acre-ft.)	Area under canal (acres)	Area irrigated 1939	Diversions acre-ft. per acre irrig.
<u>Teton River Canals</u>				
Siddoway	3,050	600	600	
Wilford	27,300	2,000	1,850	5.1
Teton Irrig.	19,700	2,200	2,000	14.8
Good Luck	5,870	400	400	9.9
Pioneer	3,350	400	400	14.7
Stewart	4,390	366	366	8.4
Pincock-Byington	2,630	340	300	12.0
Pincock-Garner	4,700	580	440	8.8
Teton Isl. Feeder	95,900	10,500	10,400	10.7
North Salem	2,780	600	600	9.2
Roxana	2,310	750	430	4.6
Island Ward	6,820	3,300	3,000	5.4
Woodmansee-				2.3
Johnson	5,250	1,250	1,250	4.2
City of Rexburg	10,300	1,290	1,100	9.4
Rexburg Irrig.	50,130(b)	5,440	5,240	9.6
Saury-Sommers	4,580	640	640	7.2
Total				
Teton River	249,060	30,656	29,016	8.6
Total Fall R., Henry's Fork and				
Teton River	943,361	128,231	111,546	8.5

(b) Includes 830 acre-ft. pumped from Rexburg City Sewer outflow.

Total diversions were 63,000 acre-ft. more than in 1938 and were the largest ever recorded.

#### River gains & losses in the Henrys Fork Basin

The following time intervals have been used in preparing the tabulations by river sections:

Lake to Island Park,	15 hours
Island Park to	
Warm River	15 "
Warm River to Ashton	6 "
Ashton to St. Anthony	6 "
St. Anthony to Rexburg	8 "
Squirrel to Chester	12 "

Gain in Henrys Fork, Lake to Island Park stations, 1939

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

Station	May	June	July	Aug.	Sept.	Season
Lake	184	804	751	810	610	3,159
Released from Island Park Res.	448	746	15,301	17,092	7,710	41,297
Total supply	632	1,550	16,052	17,902	8,320	44,456
Island Park	25,702	14,780	27,829	31,862	21,270	121,393
Tot.gain s.f.	25,070	13,180	11,777	13,960	12,950	76,937
Mean gain s.f.	809	439	380	450	432	503
Tot.gain a.f.	49,726	26,142	23,359	27,689	25,686	152,602

During May, June & July the gain in this section was 68,700 acre-ft. less than in 1938 but the Aug.-Sept. 1939 gain was practically the same as during those months in the previous year.

Gain in Henrys Fork, Island Park to Warm River stas., 1939  
(Warm River dates & 24-hr. sec.-ft. except as noted)

Island Park	25,773	14,718	27,454	31,874	21,694	121,513
Warm River	42,860	27,792	37,915	45,060	33,747	185,374
Tot.gain s.f.	17,087	13,074	10,461	11,186	12,053	63,861
Mean gain s.f.	551	436	387	361	402	417

Tot.gain a.f. 33,892 25,932 20,749 22,187 23,907 126,667

The total gain was 11,000 acre-ft. less than in 1938 and about the same as in 1937. About 9,000 acre-ft. of the shortage occurred during May when the local snow melted. The September gain however was 1,300 acre-feet greater than in September 1938.

Gain in Henrys Fork, Warm River to Ashton Stas., 1939  
(Ashton dates & 24-hr. sec.-ft. except as noted)

Warm River	42,920	27,846	37,736	43,070	33,913	185,485
Ashton	65,050	40,800	49,590	52,970	42,270	250,180
Tot.gain s.f.	22,130	12,654	11,654	9,900	8,357	64,695
Mean gain s.f.	714	422	376	319	279	423
Tot.gain a.f.	43,894	25,099	23,115	19,636	16,576	128,320

Total gain in this section was 20,000 acre-ft. less than in 1938 due to reduced run-off from melting snow during May and June. The gain July-Sept. was slightly greater than during the same months in 1938.

Gain in Fall River, Squirrel to Chester stations, 1939  
 (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	62,160	43,547	18,288	14,951	14,725	153,671
Diversions	14,964	22,096	17,272	13,515	10,757	78,604
Chester	57,600	26,241	3,939	3,669	6,605	98,054
Tot.acct.for	72,564	48,337	21,211	17,184	17,362	176,658
Tot.gain s.f.	10,404	4,790	2,923	2,233	2,637	22,987
Mean gain s.f.	336	160	94	72	88	150
Tot. gain a.f.	20,636	9,501	5,798	4,429	5,230	45,594

The seasons gain in this section was 10,000 acre-ft. less than during 1938. The Sept. gain however, was 1300 acre-ft. greater in 1939 than 1938.

Gain in Henrys Fork, Ashton to St.Anthony stations, 1939  
 (St.Anthony dates and 24-hr. sec.-ft. except as noted)

Ashton	65,280	40,580	49,220	52,980	42,450	250,510
Chester	57,830	26,594	4,041	3,640	6,598	98,703
Tot.supply	123,110	67,174	53,261	56,620	49,048	349,213
Diversions	36,080	29,143	30,764	27,501	17,646	141,134
St.Anthony	88,820	41,642	23,973	30,773	31,881	217,089
Tot.acct.for	124,900	70,785	54,737	58,274	49,527	358,223
Tot.gain s.f.	1,790	3,611	1,476	1,654	479	9,010
Mean gain s.f.	58	120	48	53	16	59
Tot.gain a.f.	3,550	7,162	2,927	3,280	950	17,869

The average gain in this section was 31 sec.-ft. less than in 1938 and 17 sec.-ft. less than in 1937. The construction of the diversion dam at the head of the Cross Cut Canal and the effect of the cross Cut Canal as an intercepting drain has probably slightly reduced the gain formerly occurring in this section of the river.

Gain in Henrys Fork & Teton River, St. Anthony  
to Rexburg stations, 1939

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
St. Anthony	88,820	41,642	23,973	30,773	31,881	217,089
Teton River	49,970	35,642	27,524	20,674	17,571	151,381
Total supply	138,790	77,284	51,497	51,447	49,452	368,470
H.F.Diversions	34,761	24,375	23,802	21,387	13,990	118,315
Teton diversions	28,537	33,105	27,356	20,514	16,048	125,560
Rexburg	87,588	49,440	21,353	25,767	35,090	219,238
Tot.acct.for	150,886	106,920	72,511	67,668	65,128	463,113
Tot.gain s.f.	12,096	29,636	21,014	16,221	15,676	94,643
Mean gain s.f.	390	988	678	523	523	619
Tot.gain a.f.	23,992	58,782	41,681	32,174	31,093	187,722

The gain for the season was 46,000 acre-ft. more than in 1938, probably the result of a gradual up-building of ground-water contributions from upstream areas during the past several years. Between early July and mid-September the canals on Teton River diverted all the water in that stream that passed the St.Anthony gaging station. During this period the canal diversions on lower Teton River just about equalled the amount passing the St.Anthony gaging station, indicating no net loss or gain between that station and the lowest canal heading on Teton River.

#### REGULATION IN TETON BASIN

Regulation in Teton Basin was under the immediate direction of Mr. I. V. Goslin, Deputy Watermaster, who began work on June 1 and continued until September 2. The Trail Creek Irrigation Co. acquired 4,000 acre-ft. and String Canal Co. 1,000 acre-ft. of storage from the Fremont-Madison District @ 15¢ per acre-ft. The String Canal Co. also purchased 1200 acre-ft. from the Storage Pool at 35¢ per acre ft. Various users on Darby, Teton, Spring, North and South Leigh creeks also purchased 1810 acre-ft. of storage through the Pool, making a total of 8,010 acre-ft. storage acquired for 1939 use by Teton Basin canals. Most of this water was furnished to downstream users on the basis of delivering storage at the gaging station on Teton River near St.Anthony

equal to one-half that diverted in Teton Basin. Allowing for 10% loss in the Cross Cut Canal and 7.26% transmission loss on Jackson Lake storage this permitted the users in Teton Basin to divert 1-2/3 acre-ft. for each acre-ft. of water rented. Based on studies of channel losses, return flow, etc. on Teton River in past years it appears that the downstream users are adequately compensated under this arrangement for the natural flow retained in Teton Basin.

Prior to July 16 regulation in Teton Basin was for the benefit of priorities on Snake River, during which time storage charges to Teton Basin users amounted to 1,080 acre-ft. (measured at gaging station near St. Anthony). After July 16 rights on Teton River were cut to earlier priorities than on the Snake and storage water used thereafter in Teton Basin was credited to the lower users on Teton River.

Regulation on Trail Creek continued until Sept. 9 when due to decreased demand by downstream users it was discontinued in Teton Basin.

No stored water was charged on Fox Creek during 1939 as measurements made in previous years indicate a loss from upper diversion to live water of 20 to 25 sec.-ft., and the available supply for delivery to Teton river under schedule of priorities in effect was not in excess of this amount.

On Darby Creek the loss from upper diversion to live water was estimated from previous measurements at 25 sec.-ft. and Idaho users on the creek purchased the full excess flow over this amount as storage for a period of 4 days, July 21-24.

On Teton Creek surplus water in excess of valid decrees was purchased by Grand Teton Canal Co. from July 6-14 while water was flowing down creek into Teton River. From July 21 to Aug. 2 purchases were on basis of assumed loss of 20 sec.-ft. in creek channel, the full amounts

in excess of that flow being purchased as storage.

Stored water was rented by users on No. Leigh Creek July 14-23 incl. A test on July 24 showed that the flow of the creek on that date would no longer reach Teton River.

The flow of Badger Creek in excess of valid rights was insufficient to reach Teton River and no storage was charged on this creek.

Water in excess of valid decrees on South Leigh Creek was diverted as storage July 13-30 and Aug. 5-6. The Creek was practically dry at the State line after Aug. 7.

Surplus water in Spring Creek near Tetonia was purchased from July 14 to Aug. 24. By Aug. 25 the discharge at the bridge east of Tetonia was 10.7 sec.-ft. which was insufficient to reach Teton River and thereafter water was delivered to local users in accordance with their priorities.

No storage water was sold to Swamp ditch users or west side creeks. Swamp ditches were closed as users did not need the water and the flow of west side creeks was so low after their rights were cut that the streams would not have reached Teton River with any appreciable discharge.

The flow of Warm Creek near Victor (6.3 sec.-ft. on July 21, 1939) was sold to String Canal Co. as storage.

Day	Discharge in Sec.-ft.												
	Game Creek nr. Victor			Trail Creek Above String Canal			Kimball Canal at head			Town Canal at Head			
	June	July	Aug.	June	July	Aug.	June	July	Aug.	June	July	Aug.	
1	102	108			144			40	13		35	19	
2			23			71			16	55		19	
3		77			138			27	15		33	18	
4		69			130			24	14		30	18	
5		79	19		131	68		26	15		34	16	
6	87		18	181		65		24	13		29	16	
7	64	58		168	119			24	13		30	15	
8	56	64	16	154	122	64			22	13		26	15
9								22	13		26	15	
10		58	16		107	64							

(Discharge in sec.-ft.)

Day	Game Creek nr. Victor			Trail Creek above String Canal			Kimball Canal at head			Town Canal at head		
	June	July	Aug.	June	July	Aug.	June	July	Aug.	June	July	Aug.
11												
12	70	62	16	159	106	63		21	13	26	14	
13							22	13		27	14	
14							22	12		27	14	
15		45	15		95	63		21	12	26	14	
16	92			171				19	12	26	14	
17		41	15		92	62		19	12	25	14	
18		41			92			18	12	24	14	
19	48		14	141		62		15	12	20	14	
20	45	36		136	92			15	12	20	14	
21							12	15	11	33	19	14
22		31			86			16	11		20	14
23			14			62		15	11		20	14
24	77		13	144		62		15	11		19	14
25		29			76			14	12		19	14
26			13			58		13	12		19	13
27	77	28		148	73			13	11		19	14
28								13	11		19	14
29		25	13		72	58		13	11		19	13
30								13	11		19	13
31		25			77			13	11		19	13
							Sept. 1	11		Sept. 1	13	
							"	2	7	"	2	14

Day	Spencer Canal at head			Tonks Canal at head			Ricks-Kearsley canal at head			Humble Canal at head		
	June	July	Aug.	June	July	Aug.	June	July	Aug.	June	July	Aug.
1	20	9		30	13		20	5		8	4	
2		9			11			7			2	
3	20	9		30	11		15	7		8	1	
4	19	9		27	12		14	6		6	0	
5	20	9		34	11		15	6		7	0	
6	20	9		32	11		14	6		6	0	
7	18	9		25	11		12	6		6	0	
8	18	8		28	8		12	5		6	2	
9	16	5		25	10		12	5		6	2	
10	17	7		24	8		12	5		5	2	
11	17	7		24	7		12	5		6	2	
12	17	7		24	7		12	5		6	2	
13	17	7		24	7		12	5		5	2	
14	16	7		24	7		12	5		5	2	
15	16	7		24	7		10	5		5	2	
16	14	6		24	6		10	5		4	2	
17	14	6		24	6		7	5		3	2	
18	11	7		12	5		6	5		2	3	
19	11	7		11	5		15	6	6	8	1	
20	18	10	5	11	12	5		6	6	2	2	
21		11	5		13	4		6	6	3	3	
22		10	5		13	4		6	6	3	3	
23		9	5		10	4		6	6	3	0	
24		9	5		10	6						

Day	Spencer Canal at head			Tonks Canal at head			Ricks-Kearsley canal at head			Humble Canal at head		
	June	July	Aug.	June	July	Aug.	June	July	Aug.	June	July	Aug.
25	9	5		10	6			6	6		2	0
26	9	5		10	6			6	6		2	0
27	9	5		11	6			5	6		1	0
28	9	5		11	4			5	6		2	2
29	10	5		13	3			5	6		4	2
30	10	5		13	5			5	7		4	0
31	10	5		15	6			5	7		4	0
	Sept. 1	5		Sept. 1	6			Sept. 1	7		4	0
	"	2	7	"	2	7		"	2			

Note: Edwards Canal diverted 2 sec.-ft. July 1-29; 1 sec.-ft. July 30-Aug. 3 and Aug. 9-Sept. 2; dry Aug. 4-8.

Loss Measurements on Teton Basin StreamsTrail Creek

June 20, 1939

Trail Cr. above String Canal	136 sec.-ft.
Game Cr. at highway	<u>45</u> "

Total supply	181 sec.-ft.
Town Canal	33 "
String Canal	59 "
Ricks-Kearsley Canal	15 "
Kimball Canal	12 "
Humble Canal	8 "
Spencer Canal	18 "
Tonks Canal	11 "
Edwards Canal	3 "
Trail Cr. 1/2 mi. W. of Victor	<u>13</u> "

Total acct. for	172 "
Loss	<u>9</u> "

Cold weather; ground wet from rain and snow.

July 1, 1939

Trail Creek above String Canal	144 sec.-ft.
Game Cr. at highway	<u>108</u> "

Total supply	252 "
Kimball Canal	40 "
Town Canal	35 "
Spencer Canal	20 "
Tonks Canal	30 "
Ricks-Kearsley	20 "
Humble Canal	8 "
String Canal	55 "
Edwards Canal	<u>2</u> "

Total use	210 "
Loss	<u>42</u> "

July 20, 1939

Trail Cr. above String Canal	92 sec.-ft.
Game Cr. at highway	<u>36</u> "

Total supply	128 "
Kimball Canal	15 "
Town Canal	19 "
Spencer Canal	10 "
Tonks Canal	12 "
Edwards Canal	2 "
Ricks-Kearsley	6 "
Humble Canal	1 "
String Canal	<u>43</u> "

Total use	108 "
Loss	<u>20</u> "

Darby CreekJune 22, 1939

Darby Creek at Forest Service Bridge	100 sec.-ft.
Spring inflow	<u>1.0</u> "
Total supply	101.0 sec.-ft.
Hill Canal	
Todd Canal (36.6 at head less 3.0 return from power plant)	20.8 "
Cannon Canal	33.6 "
Cherry Grove Canal	24.4 "
Leakage through Cherry Grove dam	16.8 "
Total use	<u>1.0</u> "
Loss from forest bridge to Cherry Grove Canal	96.6 "
	4.4 "

July 17, 1939

Darby Creek at forest service bridge	60.0 "
Darby Springs inflow	<u>0.6</u> "
Total supply	60.6 "
Floyd Winger canal (Wyo.)	1.7 "
Hill Canal, dry	0 "
Todd Canal (27.5 less 3.0 return)	24.5 "
Cannon Canal, dry	0 "
Cherry Grove Canal,	8.6 "
Darby Creek below Cherry Grove canal	<u>19.6</u> "
Total use	54.4 "
Loss from forest bridge to Cherry Grove canal	6.2 "

The 19.6 sec.-ft. passing the Cherry Grove Canal, after 24 hrs. had reached downstream 2 miles below Wyo. State line or 1-3/4 miles upstream from live water and was making no further progress downstream, hence was turned back to Darby Creek users.

Teton CreekJune 28, 1939

Supply - Teton Creek at Ida-Wyo. line	28.3 sec.-ft.
#1 Diversion	15.1 "
#2 Diversion	<u>4.5</u> "
Dry below #2 Diversion	
Total use	19.6 "
Loss from Idaho-Wyo. line to #2 Diversion (2 miles) =	8.7 sec.-ft.

Creek was dry from a point 2 miles below Idaho-Wyo. line to 1/2 mile east of R.R. Bridge. Between this lower point and R.R. Bridge 9.2 sec.-ft. came into the creek channel from "sub" water.

July 3, 1939

51.  
Teton Creek-continued.

148 sec.-ft. turned down creek channel at head of Grand Teton Canal. This stream reached live water  $1\frac{1}{4}$  mile east of R.R. bridge 12 hrs. later.

July 5, 1939

Supply • Teton Creek at Ida-Wyo. line	..	112 sec.-ft.
Central Teton Canal	0.5	"
Price Fairbanks Canal	13.1	"
Teton Creek at pole line $1\frac{1}{2}$ mi. east of R.R. bridge	92.1	

Loss from Ida-Wyo. line to $1\frac{1}{2}$ mi. east of R.R. bridge	Total use	105.7 "
		6.3 "

Aug. 19, 1939 - After regulation under temporary compact.

Teton Creek above all diversions 5 mi. east of Ida-Wyo. line	31.2 sec.-ft.
Mill Creek	2.0 "
Total supply	33.2 sec.-ft.

Brown-Clement Pratt & Mill Cr. diversion at distribution gate	7.9 sec.-ft.
Rigby Canal at head	4.4 "
So. Side Canal at head	5.4 "
Waddel Ditch at head	2.2 "
Grand Teton canal	14.3 "

Total use	34.2 "
Gain in creek from upper diversion to Grand Teton heading	1.0 "

Gain is due to several unmeasured springs and seepage inflow into Creek.

North Leigh Creek

On July 24 this creek had a flow of 21 sec.-ft. at the Targhee Forest Boundary. All diversions were closed and water turned down creek channels, about  $\frac{1}{3}$  flowing down Middle Leigh or Little Crooked Creek and  $\frac{2}{3}$  down North Leigh channels. After 24 hrs. the water in these channels was still  $\frac{1}{4}$  mile above live water and was turned back to users.

South Leigh Creek

June 23, 1939

So. Leigh Channel at State Line, supply		83.8 sec.-ft.
Zina Little diversion	27.6 sec.-ft.	
Wm. Hansen "	2.3 "	
Ed Thomas ditch	2.0 "	
Hansen-Bahr ditch	2.0 "	
1st C. Fullmer ditch	7.0 "	
2nd C. Fullmer "	6.7 "	
Hilliard diversion	2.0 "	
Hanks " So. of Tetonia	17.8 "	
Gale diversion	8.1 "	
Moffat diversion	13.0 "	
Bell-McCracken diversion	2.9 "	
So. Leigh Cr. below R.R.	4.0 "	
Total use	95.4 "	
Gain in section	11.6 "	

Creek receiving inflow from "sub" and irrigation waste. There were 63 sec.-ft. crossing State line on this date in 4 canals that divert in Wyo. and not included in preceding table.

Miscellaneous measurements in Teton Basin during 1939

Stream	Location	Date	Disch. (sec.-ft.)
Mahogany Creek	Above diversions	June 14	20.8
	"	June 30	13.3
	"	July 25	4.6
Horseshoe Creek	"	June 30	11.2
	"	July 25	5.8
Paradise or Henderson Cr.	"	June 30	4.4
	"	July 25	3.6
Packsaddle Creek	"	June 30	11.4
	"	July 25	2.6
Patterson Creek	"	June 30	3.4
	"	July 25	2.4
Boquet Creek	Monroe Dustins, above diversions }	June 30	2.0
		July 25	1.3
		"	

Stream	Location	Date	Disch. (sec.-ft.)
Warm Creek	Highway S. of Victor	June 30 July 25	16.0 10.0
Dude Creek	At Mrs. Genie Giffords house	June 30 July 25	0.6 0.5
Twin Creek	Total 3 Flcs. above diversions	June 30 July 25	5.5 1.0
Creek No. of Grove Cr.	Above diversions	June 30 July 25	1.0 0.6
Grove Creek	Kunz ranch above diversions	June 30 July 25	1.6 1.0
Warm (Hot Spring) Cr.	NW above Fred Drakes house	June 30 July 25	1.0 0
Drake Creek Spring	Above diversions	June 30 July 25	1.0 1.0
Drake (formerly John) Creek	Above diversion	June 30 July 25	2.3 1.5
Deep(?) Creek, S.E.	Fred Drakes house, bottom of hill	June 30 July 25	1.0 0.4
Little Pine Creek	Above diversions	June 30 July 25	3.0 0.4
Badger Creek	Total 2 channels above diversions	June 10 June 29 July 10 July 27 Aug. 11	95.3 79.8 38.9 10.9 5.7
Spring Cr. at E. J. Taylor diversion 1/2 mile So. Driggs cemetery	Less than 0.5 sec.-ft. in this stream at State line.	Sept. 1	2.6
Little Hog Canal from So. Leigh Cr.	At State line	June 5 " 23 " 29 July 10 " 28	7.6 8.9 10.3 8.7 0.8

Stream	Location	Date	Disch. (sec.-ft.)
Kilpack Canal from So. Leigh Cr.	At State line	June 5	13.3
	"	" 23	8.0
	"	" 29	7.6
	"	July 10	2.4
	"	July 28	13.4
Big Hog Canal from So. Leigh Cr. (So. Leigh Cr. Canal Co.)	At State Line	June 5	65.8
	"	June 23	49.3
	"	June 29	54.5
	"	July 10	33.0
	"	July 20	3.0
	"	July 28	2.5
Lon Fullmer canal from So. Leigh Cr.	At State line	June 5	1.4
	"	June 23	1.5
	"	June 29	2.8
	"	July 10	4.0
	"	July 28	1.1
So. Leigh Creek	At State Line	June 5	110.0
		June 10	74.0
		June 12	66.0
		June 23	84.0
		June 27	70.0
		June 29	85.0
		July 3	96.0
		July 4	70.0
		July 8	70.0
		July 10	56.0
		July 13	28.0
		July 20	36.0
		July 21	19.0
		July 22	24.0
		July 25	4.0
		July 28	4.0
		Aug. 2	18.0
		Aug. 3	18.0
		Aug. 4	13.0
		Aug. 7	5.0
		Aug. 11	1.0
		Aug. 14	2.0
		Aug. 18	0
So. Leigh Cr.	Above Big Hog Canal in Wyo.	Sept. 1	2.4
No. Alta Irr. Canal At head at I.Y. Matthew from So. Leigh Cr.	At head at I.Y. Matthew ranch in Wyo.	Sept. 1	7.7

Stream	Location	Date	Disch. (sec.-ft.)
No. Leigh Cr.	Targhee Forest Boundary	June 10	114
	" 12		112
	" 23		123
	" 27		103
	" 29		126
	July 3		103
	" 4		91
	" 8		85
	" 10		69
	" 14		55
	" 17		38
	" 22		22
	" 24		19
	" 25		18
	Aug. 2		16
	" 11		10
Spring Cr.	Highway bridge 1 mi. E. of Tetonria	June 27	81.8
		July 11	56.9
		July 27	21.3
		Aug. 7	18.2
		Aug. 24	10.7
Teton Creek	Above diversions at Forest Camp 5 mi. E. of State Line	Aug. 16	38.7
		Aug. 18	30.9
Brown-Clement-Pratt Canal and Mill Cr. at Distribution Gate		Aug. 18	10.0
Teton Creek	Below Grand Teton Canal heading	June 7	34.0
	" 21		5.7
	" 28		28.3
	July 3		148.0
	" 5		112.0
	" 10		23.9
Dry Creek	Peacock Ranch 1 mi. W. of State line	Sept. 1	4.7
	Flow at State line is less than 0.5 sec.-ft.		
Wyoming diversion from Darby Creek	Headgate	June 7	15.6
Will Hansen Drain	1 mile E. of Tetonria	July 1	0.6
This flow is collected by 2 - 4" tile drains 385' long. Pipes buried 5' deep. Ground-water level 2' below land surface.			

On Aug. 16, 1939 an agreement was reached at a meeting held in Driggs, providing for distribution of water on certain inter-state creeks in Teton Basin. This meeting was attended by the State Engineer of Wyoming; and Wyoming water users in Teton Basin, the State Commissioner of Reclamation of Idaho, and Idaho water users in Teton Basin and on lower Teton River. The following agreement was reached at that time between the parties at the meeting:

"SECTION \_\_\_\_\_ of a proposed compact between the State of Idaho and the State of Wyoming in relation to the distribution of the waters of Teton Creek and various other creeks hereinafter enumerated, that is to say:

"TETON CREEK, a tributary of the Teton River, the headwaters of which are in the State of Wyoming and which flows into the Teton River in the State of Idaho, and over which there has been a controversy in the Federal courts between the Idaho and Wyoming users over the flow of the waters of said stream; and it is now tentatively agreed by and between the State of Wyoming and the State of Idaho, by their commissioners, that the distribution of water in Teton Creek shall be as follows, pending ratification of a compact which is to contain in substance these provisions.

"The users of each State to use as much water as they can apply to a beneficial use until the regular stream flow in said stream diminishes to ninety (90) cubic feet per second, at which time the water is to be divided on a fifty-fifty basis between the users of the two states.

"SOUTH LEIGH CREEK, whose waters originate in Wyoming and flow into the Teton River in Idaho, shall be distributed as follows:

"The users of each State to use as much water as they can apply to a beneficial use until the regular stream flow in said stream diminishes to sixteen (16) cubic feet per second, at which time the water is to be divided on a fifty-fifty basis between the users of the two states, all ditches diverting with legal appropriations in Wyoming and/or Idaho, to be supplied from Wyoming's fifty per cent (50%).

"DARBY CREEK, whose waters originate in Wyoming and flows into the Teton River in Idaho, shall be distributed as between the states on a basis of one cubic foot for each fifty (50) acres of land for which a legal appropriation has been secured in either State.

"SPRING CREEK, whose waters originate in Wyoming and flow into the Teton River in Idaho, shall be distributed as between the states on a basis of one cubic foot for each (50) acres of land for which a legal appropriation has been secured in either State.

"SLOCUM CREEK, whose waters originate in Wyoming and flow into the Teton River in Idaho, shall be distributed as between the states on a basis of one cubic foot for each fifty (50) acres of land for which a legal appropriation has been secured in either State.

"HILL CREEK, whose waters originate in Wyoming and flow into the Teton River in Idaho, shall be distributed as between the States on a basis of one cubic foot for each fifty (50) acres of land for which a legal appropriation has been secured in either State.

"DRY CREEK, whose waters originate in Wyoming and flow into the Teton River in Idaho, shall be distributed as between the states on a basis of one cubic foot for each fifty (50) acres of land for which a legal appropriation has been secured in either State.

"The distribution of the water of the Teton Section, including Teton Creek, Leigh Creek, Darby Creek, Spring Creek, Slocum Creek, and Hill Creek shall be under the direction of a Watermaster or Deputy appointed by the Commissioner of Reclamation of Idaho with the consent and advice of the State Engineer of Wyoming.

"It shall be the duty of the Commissioner of the State of Idaho and the State Engineer of Wyoming to require installation of suitable diversion works and measuring devices on the canals and ditches in their respective states by the water users therein.

"The expenses to be incurred in the distribution of waters between the states, in the Teton Section, shall be borne equally by the respective states, and the users therein shall pay in proportion to the areas adjudicated and unadjudicated, on an acreage or share basis that will be satisfactory to the Commissioner of Reclamation of the State of Idaho, and the State Engineer of Wyoming."

On Aug. 18, 1939 in compliance with the terms of this compact one-half of the flow of Teton Creek was turned down to the Grand Teton Canal in Idaho, and this arrangement continued for the balance of the season, measurements being made jointly by the Deputy Watermasters of the two States.

On South Leigh Creek the flow of the Creek late in the season was so low that when divided in half it would not reach the lower appropriations on the stream and the Wyoming Water Commissioner rotated the full stream between Wyoming and the upper Idaho users.

Miscellaneous Measts. in Henrys Fork Basin  
(exclusive of Teton Basin)  
during 1939

Date	Stream	Location	Discharge (sec.-ft.)
July 8	Conant Creek canal	At head	31.1
" 21	do.	do.	24.4
Aug. 1	do.	do.	20.8
" 11	do.	do.	20.1
" 23	do.	do.	19.6
July 13	Boone Creek Canal	do.	3.9
" 21	do.	do.	5.7
Aug. 1	do.	do.	6.2
Aug. 11	do.	do.	3.3
July 8	Squirrel Cr. Canal	do.	10.0
July 13	do.	do.	10.0
July 21	do.	do.	2.9
Aug. 1	do.	do.	3.5
Aug. 11	do.	do.	2.0
June 2	Canyon Cr. Canal	do.	43.4
July 23	do.	do.	44.6
July 10	do.	do.	25.0
July 21	do.	do.	18.6
Aug. 5	do.	do.	14.2
Aug. 19	do.	do.	11.6
Aug. 2	Sheridan Creek	Below Sheridan Ranch house	10.5
		do.	29.3
Aug. 3	do.	Forest Road above diversions	7.6
Aug. 3	Howard Creek	Above Sheridan Ranch Res. diversion	20.6
Aug. 3	Sheridan Creek	do.	27.0*
Aug. 16	do.		

\* Howard Creek turned into Sheridan Creek above this meas. point.

DISTRIBUTION IN SWAN VALLEY SECTION

Mr. F. S. Thomas of Irwin was appointed as Deputy Watermaster and was paid by District No. 36, the water users in this section being assessed for a pro-rata share of District No. 36 costs on the Bonneville Co. tax rolls. Water users in this area purchased 896 acre-feet of Jackson Lake storage through the storage pool and were allowed to divert twice this quantity on the assumption that half of the water diverted would return by percolation to the river in a short time.

Miscellaneous measts. in Swan Valley Section  
1939

Date	Stream	Location	Gage (Ft.)	Discharge (Sec.-ft.)
July 2	No. Fk. Indian Cr.	Above Ruud Canal	1.00	28.5
July 8	do.	do.	.94	24.0
July 19	do.	do.	.80	18.3
July 25	do.	do.	.76	14.9
Aug. 7	do.	do.	.74	14.9
Aug. 15	do.	do.	.70	12.9
Aug. 26	do.	do.	.66	10.7
July 2	So. Fk. Indian Cr.	Above junction with No. Fk.	.76	19.7
July 8	do.	do.	.64	14.2
July 11	do.	do.	.60	10.1
July 19	do.	do.	.50	6.9
July 25	do.	do.	.42	5.3
Aug. 7	do.	do.	.40	5.4
Aug. 15	do.	do.	.36	3.1
Aug. 26*	do.	do.	.28	2.0

\*First time in years that creek has not been dry at this time of year. On August 26 with all diversions closed approximately fifty per cent of supply at forks was reaching river.

June 27	Pritchard Cr.	Above diversions nr. Swan Valley	2.8 1.3
July 17	do.	do.	1.5
June 27	Garden Creek	do.	1.3
July 17	do.	do.	

Discharge of Palisade Canal at head, 1939

Date	Disch. (sec.-ft.)	Date	Disch. (sec.-ft.)	Date	Disch. (sec.-ft.)
June 14	86	July 16	64	Aug. 13	52
June 16	93	July 18	62	Aug. 14	52
June 17	88	July 20	56	Aug. 15	52
June 19	88	July 22	54	Aug. 17	50
June 20	89	July 23	54	Aug. 18	50
June 22	92	July 24	56	Aug. 19	50
June 24	76	July 25	58	Aug. 20	48
June 27	68	July 26	57	Aug. 21	48
June 29	78	July 28	57	Aug. 23	48
June 30	77	July 30	59	Aug. 25	52
July 2	74	July 31	59	Aug. 27	52
July 5	70	Aug. 1	58	Aug. 28	50
July 7	67	Aug. 2	58	Aug. 29	35
July 8	65	Aug. 4	58	Aug. 30	29
July 10	64	Aug. 5	52	Sept. 1	32
July 11	64	Aug. 7	50	Sept. 4	32
July 12	54	Aug. 8	53	Sept. 7	40
July 13	52	Aug. 9	51	Sept. 9	40
July 14	55	Aug. 10	55		
July 15	62	Aug. 12	54		

Discharge of Palisade Creek below diversions, 1939

June 20	20	July 7	9	Aug. 29	25
June 22	22	July 8	10	Aug. 30	37
June 24	40	July 12	4	Sept. 1	34
June 27	33	July 15	4	Sept. 4	35
June 30	17	July 16	3	Sept. 6	22
July 2	13	Aug. 27	2	Sept. 9	32
July 5	10	Aug. 28	8		

Discharge of Rainy Creek above diversions, 1939

June 12	43	July 16	27	Aug. 11	23
June 13	42	July 21	38	Aug. 14	21
June 14	42	July 24	24	Aug. 18	21
June 15	39	July 28	24	Aug. 21	21
June 17	42	July 30	25	Aug. 28	22
June 30	36	Aug. 2	24	Aug. 30	21
July 7	32	Aug. 4	23	Sept. 4	21
July 9	32	Aug. 7	24	Sept. 7	21
July 13	29	Aug. 9	23	Sept. 10	

CLIMATOLOGICAL DATA

Precipitation records at various points are shown in the following table.

Precipitation in Inches

(Actual and normal for year ending Sept. 30, 1939)

<u>Month</u>	Snake R., Wyo.		Moran, Wyo.		Afton, Wyo.		Bechler, Wyo.		Irwin, Ida.	
	<u>Act.</u>	<u>Nor.</u>	<u>Act.</u>	<u>Nor.</u>	<u>Act.</u>	<u>Nor.</u>	<u>Act.</u>	<u>Nor.</u>	<u>Act.</u>	<u>Nor.</u>
Oct. 1938	2.67	2.10	2.30	1.58	1.22	1.64	4.72	2.88	3.40	1.22
Nov.	2.53	2.04	1.75	1.69	1.91	1.88	4.80	3.09	1.59	1.00
Dec.	3.80	2.66	2.30	1.76	0.96	1.30	4.32	4.28	1.27	1.17
Jan. 1939	4.09	3.68	2.54	2.46	1.52	1.37	5.73	5.00	1.59	1.50
Feb.	2.89	2.98	3.54	2.20	1.61	1.23	5.81	3.64	2.13	1.12
Mar.	1.52	3.61	0.98	2.56	1.05	1.62	3.09	4.90	0.89	1.32
Apr.	1.33	1.96	1.77	1.60	1.89	1.58	2.31	3.00	0.99	0.86
May	.96	2.40	0.60	1.98	0.95	2.12	0.57	3.12	1.20	1.66
June	3.10	2.19	3.17	1.57	1.99	1.48	3.82	3.46	1.84	1.38
July	1.09	1.52	0.85	1.12	1.09	1.03	1.09	2.32	0.85	0.93
Aug.	0.57	1.48	0.39	1.34	0.07	1.32	0.32	1.31	0.03	0.98
Sept.	1.38	1.78	1.19	1.61	1.67	1.52	1.59	1.94	1.79	1.24
Year	25.93	28.40	21.38	21.47	15.93	18.09	38.17	38.94	17.57	14.38

<u>Month</u>	Ashton		Idaho Falls		Pocatello		Twin Falls		Mean 9 Stas.	
	<u>Act.</u>	<u>Nor.</u>	<u>Act.</u>	<u>Nor.</u>	<u>Act.</u>	<u>Nor.</u>	<u>Act.</u>	<u>Nor.</u>	<u>Act.</u>	<u>Nor.</u>
Oct. 1938	4.94	1.20	3.14	1.06	2.05	1.16	2.47	0.90	2.99	1.53
Nov.	1.46	1.19	0.81	0.61	1.38	0.89	0.83	1.08	1.90	1.50
Dec.	1.27	1.56	0.19	0.97	0.67	1.21	0.62	0.89	1.71	1.75
Jan. 1939	3.20	1.82	1.08	1.10	0.75	1.39	0.27	1.09	2.30	2.16
Feb.	2.32	1.29	0.44	1.05	0.84	1.27	0.27	0.91	2.20	1.74
Mar.	0.88	1.14	0.27	0.86	0.43	1.31	0.42	0.98	1.06	2.03
Apr.	0.69	1.18	0.83	0.89	0.56	1.43	0.39	0.98	1.19	1.50
May	0.46	1.97	0.61	1.37	0.47	1.52	0.79	0.99	0.73	1.90
June	2.51	1.44	0.66	1.10	0.46	1.09	0.35	0.68	1.99	1.60
July	1.49	0.93	0.54	0.61	0.67	0.77	1.18	0.37	.98	1.07
Aug.	0.06	0.70	0.05	0.61	0.11	0.71	0.20	0.21	.20	.96
Sept.	1.29	1.16	1.11	0.81	0.88	0.81	0.13	0.55	1.22	1.27
Year	20.57	15.58	9.73	11.02	9.27	13.56	7.92	9.63	18.47	19.01

Precipitation for the year on the headwater areas ranged from 88% of normal at Afton to 132% of normal at Ashton. At valley points the years precipitation ranged from 68% of normal at Pocatello to 88% of normal at Idaho Falls.

March, May and August were the months of most marked deficiencies in precipitation.

The river run-off was not as great as would be expected from the precipitation, considering the excellent ground-water holdover from 1938. March and May precipitation deficiencies probably contributed to this result as a large per cent of precipitation during those months appears as run-off. April precipitation was also deficient over most of the drainage area. March temperatures were about  $2^{\circ}$  above normal and April and May temperatures were about  $4^{\circ}$  above normal which probably caused larger than usual evaporation losses from the snow fields. The temperature during the irrigation season in the valley area averaged about  $2^{\circ}$  above normal which doubtless contributed to the heavy use of water that occurred.

EXPENDITURES DURING YEAR ENDING DEC. 31, 1939

Engineers & Hydrographers

	Salary 1 year	
Lynn Crandall	" " "	\$4800.00
W. V. Iorns	" 3.63 mos. @ \$180	3109.92
Melvin Luke	" 3.13 mos. @ \$150	654.00
L. K. Homer	" 3.40 mos. @ \$145	470.00
F. W. Tolles	" 3.20 mos. @ \$140	492.99
I. V. Goslin		447.99

Clerk

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

D. W. Archibald	113 days @ \$6 incl. mileage	\$678.00
D. R. Crystal	128 days @ \$5.50 "	704.00
A. C. Kelley	56 days @ \$5.50 "	308.00
Eugene Liljenquist	130 days @ \$5.00 "	650.00
H. M. Bramwell	128 days @ \$5.50 "	704.00
F. S. Thomas	87 days @ \$5.00 "	435.00
J. K. Thatcher	51 days @ \$5.00 "	255.00
E. S. McAllister	3 days @ \$5.00 "	15.00
James Ingram	7 days @ \$1.00 "	33.50
Seth L. Hansen	67 hrs. @ .50/ "	120.00
Walter C. Lenz	3 mos. @ \$40 "	

Miscellaneous

Transportation, 47,042 miles @ 5¢ a mile	\$2352.10
Telephone & Telegraph	282.64
Supplies & Equipment	1438.11
Gage readers	631.79
Construction & repairs	142.66
Bond premium & insurance	83.41
Miscellaneous	425.16
Total,	\$20,918.27

Expenditures from various funds

Normal Flow users	
Jackson Lake & Amer. Falls storage	\$7,103.90
Storage Sales account	4,669.60
Henry's Lake Storage users	471.07
Twin Lakes " "	61.55
State Of Idaho Stream Gaging Fund	4.77
U. S. Geological Survey	2,625.00
	<u>5,982.38</u>
Total	\$20,918.27

In addition to the foregoing, upper valley members of the Committee of Nine were paid \$205.00 for services at \$5 per day and expenses, which was pro-rated among upper valley canals.

Funds on hand Jan. 1, 1940

Normal flow fund	\$2,026.32
North Fork Reservoir Co.	0
Twin Lakes storage users	0
Storage Sales account	6,313.39
U. S. Geological Survey	<u>3,184.06</u>
Total	\$11,523.77

MAP SHOWING PRINCIPAL STREAMS AND GRADING STATIONS

SCALE IN MILES

MAP SHOWING PRINCIPAL STREAMS  
AND GRADING STATIONS

- B I N G H

1 JACOBSON LAKE AT MORAN, WYO.

2 SNAKE RIVER NR. MORAN, WYO.

3 SNAKE RIVER NR. HEISE, IDA.

4 SNAKE RIVER NR. SHELLY, IDA.

5 SNAKE RIVER NR. BLACKFOOT, IDA. (BLACKFOOT BRIDGE)

6 SNAKE RIVER AT CLOUDH RANCH NR. BLACKFOOT, IDA.

7 AMERICAN RIVER RESERVOIR AT AMERICAN FALLS, IDA.

8 SNAKE RIVER AT NELLEY, IDA.

9 SNAKE RIVER NR. MINIDOKA, IDA.

10 SNAKE RIVER NR. MINIDOKA, IDA.

11 NORTH SIDE CANNAL NR. MINIDOKA, IDA.

12 SOUTH SIDE CANNAL NR. MINIDOKA, IDA.

13 LAKE MILNER AT MILNER, IDA.

14 NORTH SIDE TWIN FALLS CANNAL AT MILNER, IDA.

15 GOODING CANNAL AT MILNER, IDA.

16 R.A. LATERRAL NR. MILNER, IDA.

17 SOUTH SIDE TWIN FALLS CANNAL 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. CHESTER, IDA.

25 FALL RIVER NR. SQUIRREL, IDA.

26 HENRY'S FORK NR. CESTER, IDA.

27 HENRY'S RIVER AT ST. ANTHONY, IDA.

28 BLACKFOOT RIVER NR. REXBURG, IDA.

29 HENRY'S FORK NR. BLACKFOOT, IDA.

30 HENRY'S FORK NR. ISLAND PARK, IDA.

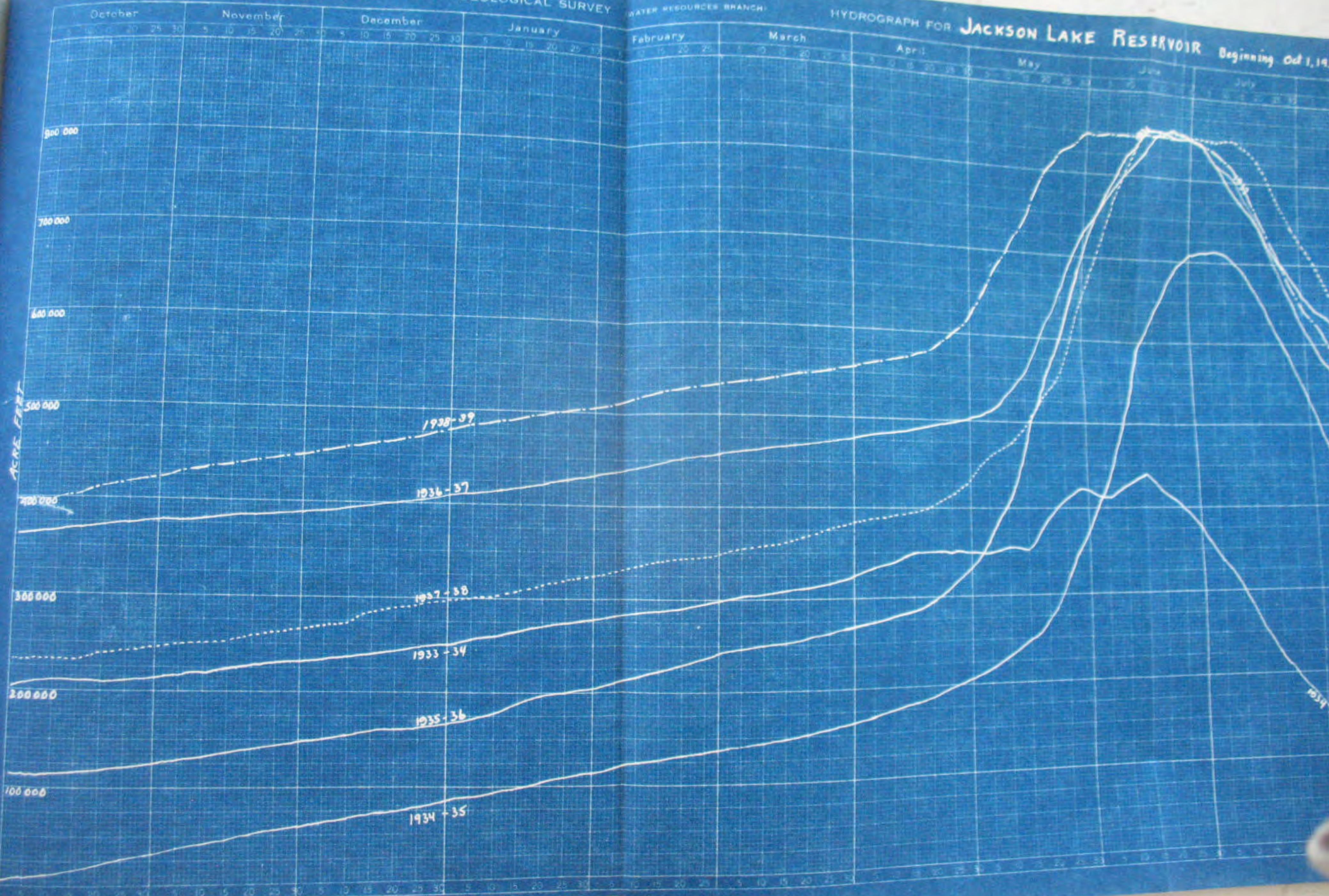
9279-c Sept. 1916

## DEPARTMENT OF THE INTERIOR

## GEOLOGICAL SURVEY

WATER RESOURCES BRANCH

HYDROGRAPH FOR JACKSON LAKE RESERVOIR Beginning Oct 1, 1916



Plotted by

Checked by

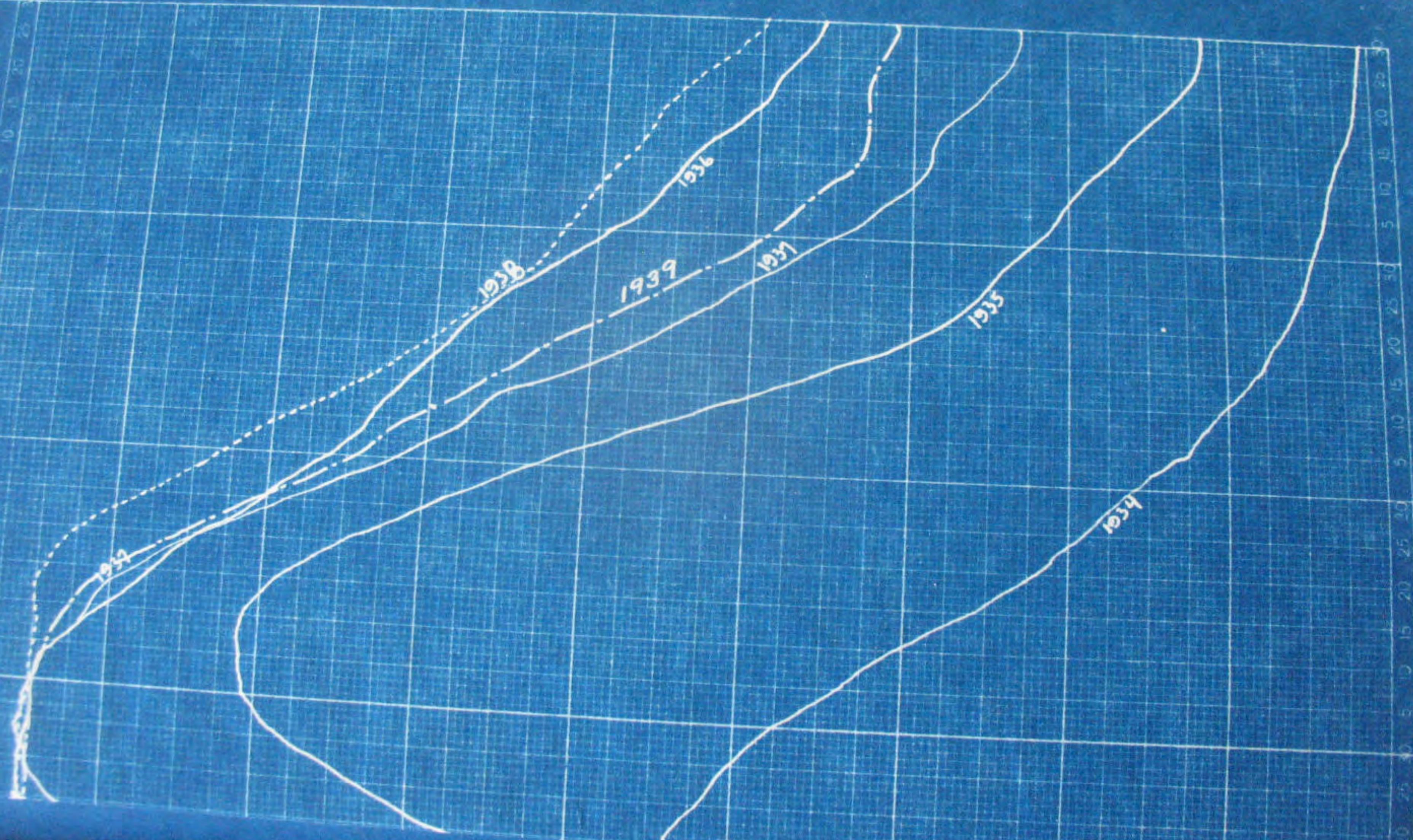
Date

ENVOIK Beginning Oct 1, 1933

File No. { Washington

Field...

Plate No. 2



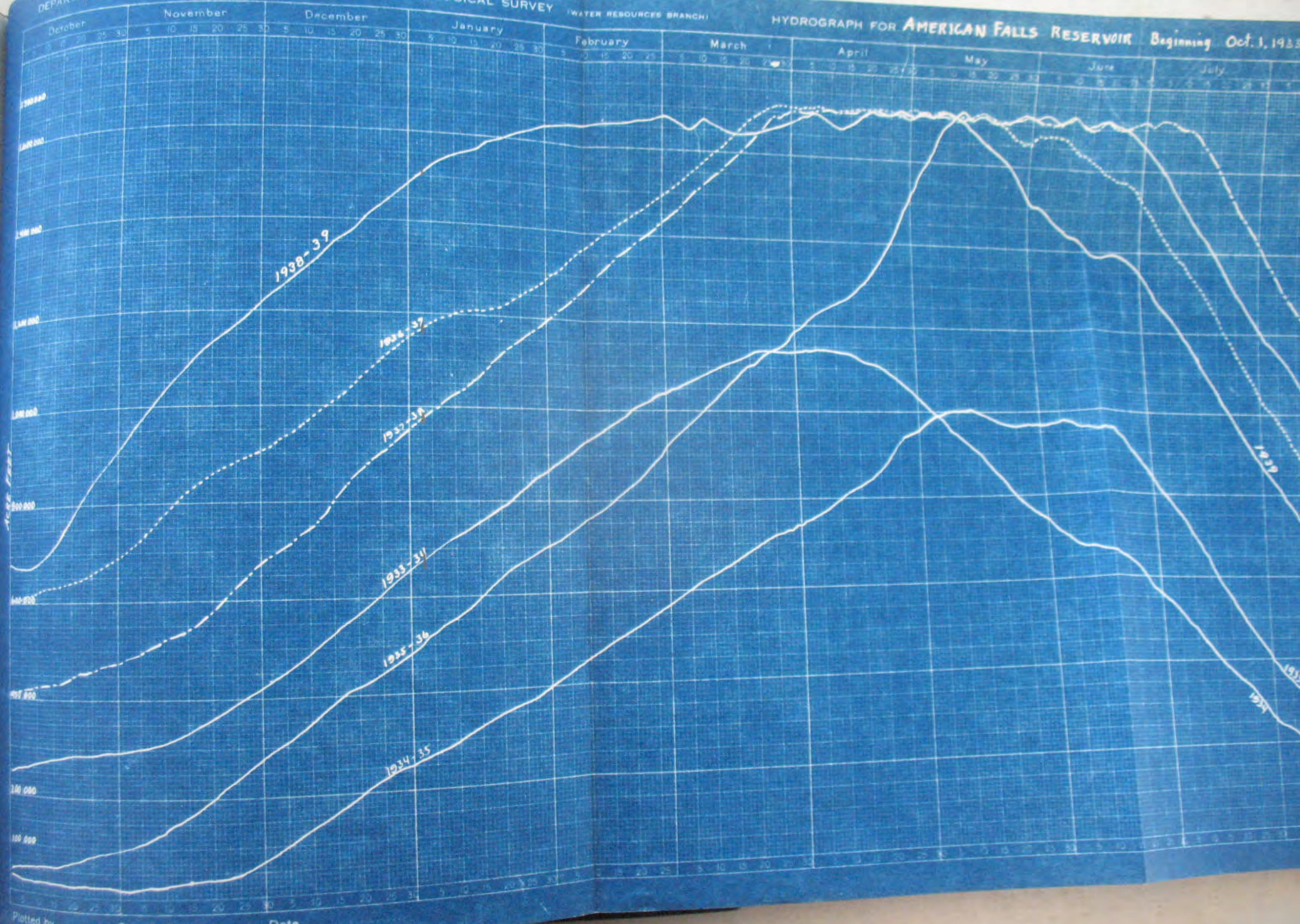
- Sept., 1916

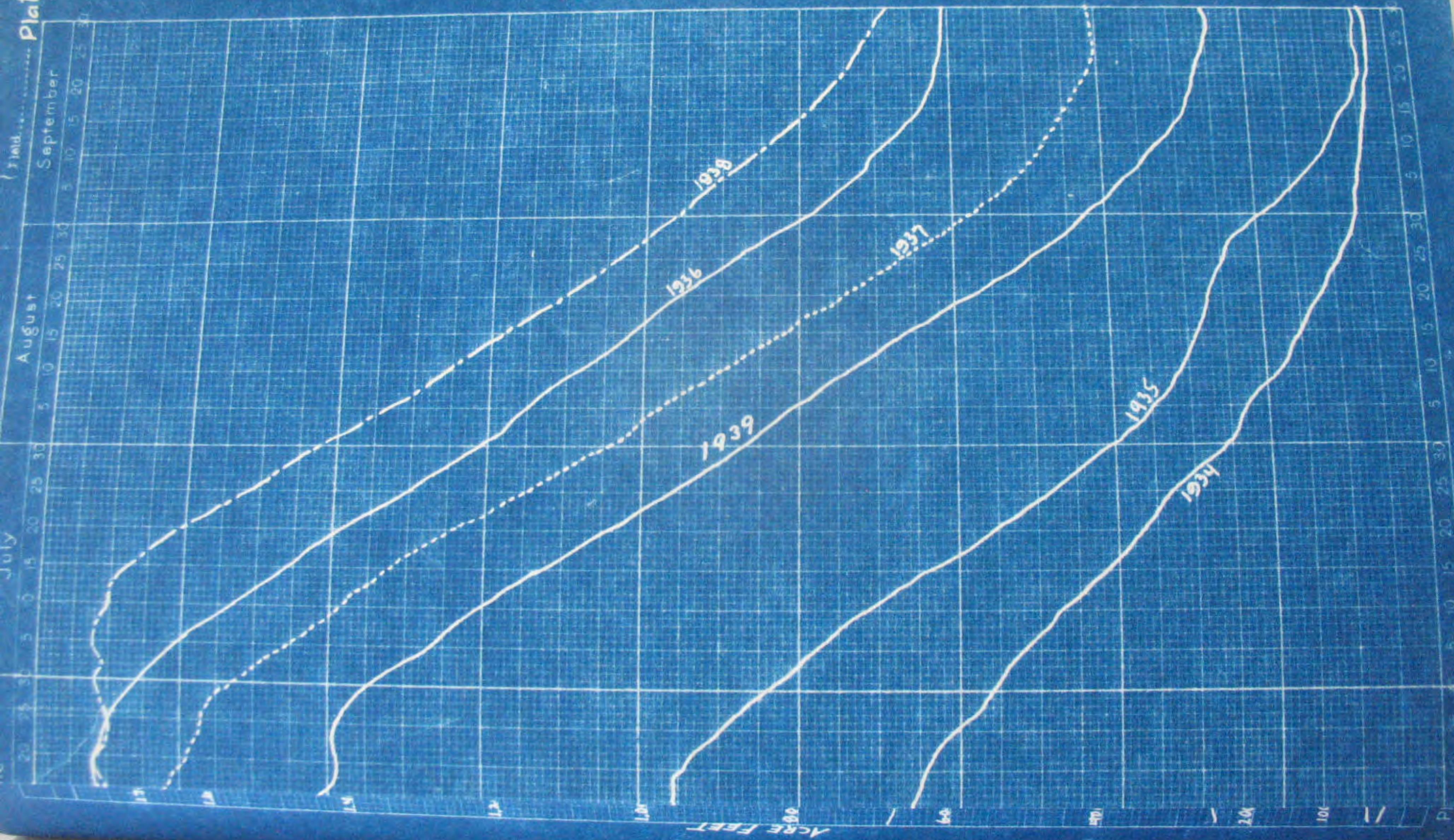
THE DEPT. OF THE INTERIOR  
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

(WATER RESOURCES BRANCH)

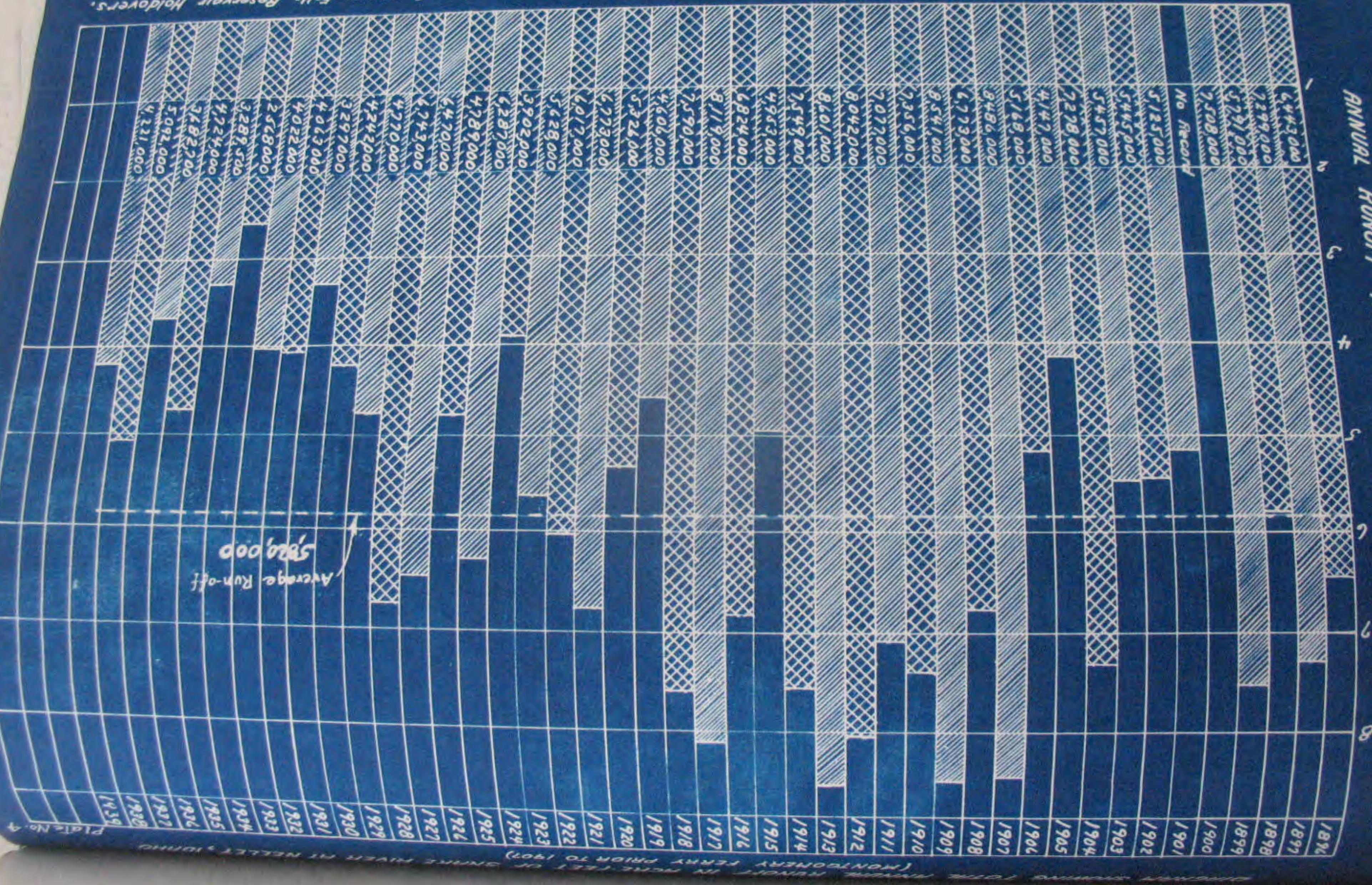
HYDROGRAPH FOR AMERICAN FALLS RESERVOIR Beginning Oct. 1, 1923





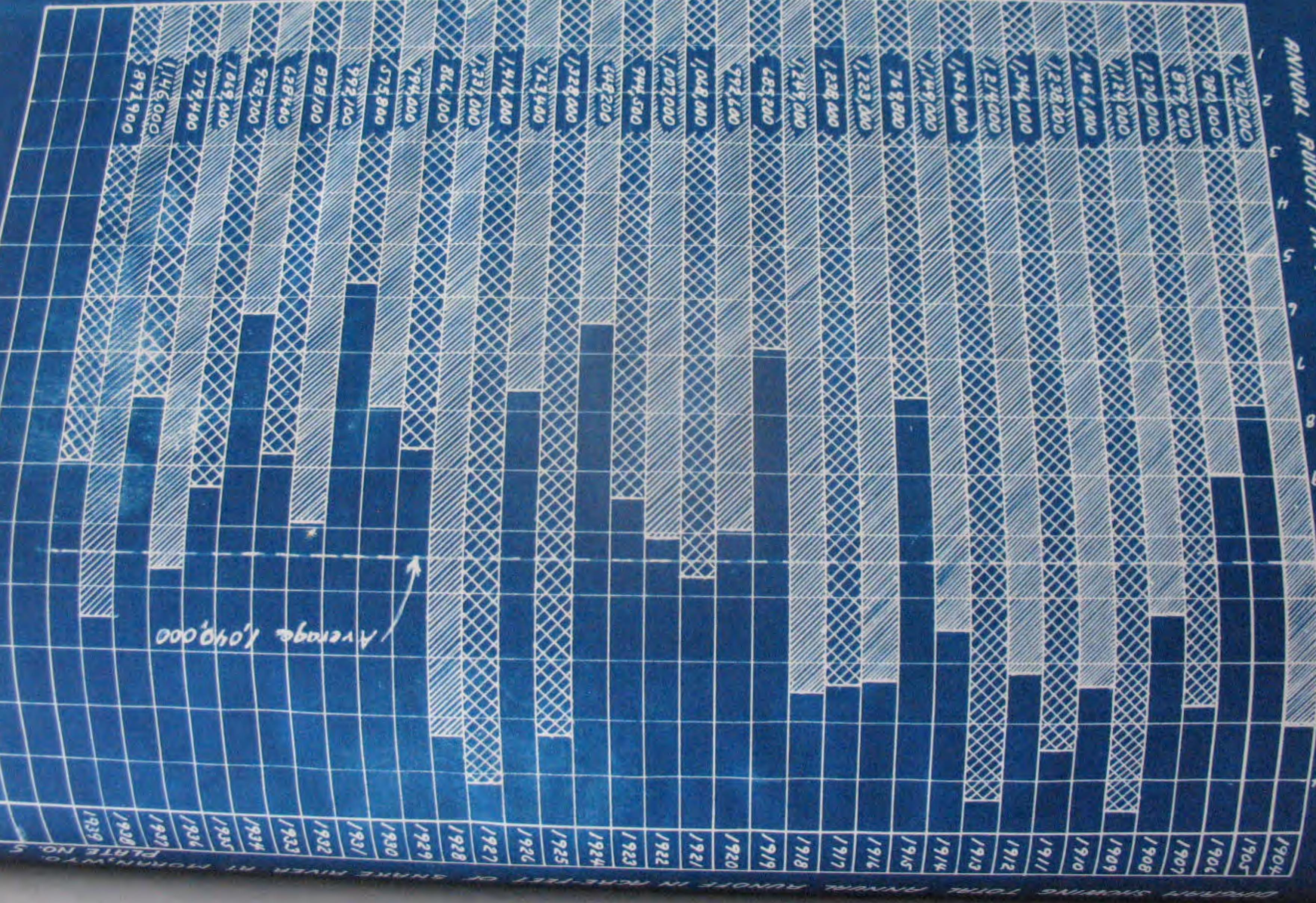
*ANNUAL RUNOFF IN MILLIONS OF ACRE-FEET*

Note: Runoff totals are for water year ending Sept 30 and are corrected for American Falls Reservoir Holdovers.



ANNUAL RUNOFF IN HUNDREDS OF THOUSANDS OF ACRE-FEET

Note: Runoff totals are for water year ending Sept. 30 and are corrected to 100 Jorgenson lake headwaters.















INFLOW TO AMERICAN FALLS RESER  
CLOUGH TO NEELEY STATIONS  
24 HOUR SECOND FEET

	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	JUL	1	2	3	4	5	6	7	8	9	10								
STREAM	30	30	30	30	31	31	31	31	31	30	30	29	29	28	28	28	28	28	29	29	29	29	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30							
BIG JIMMY	292	290	287	284	282	279	279	279	279	278	278	277	276	275	275	275	275	276	276	277	277	278	278	279	279	279	278	277	276	275	273	272	270	269	267	266											
PORTNEUF RIV. BELOW POOPI	166	465	465	464	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463									
BIG SPRING	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	120	120	120	120	120	120	120	120	120	120	120	120										
CLEAR CREEK	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												
FORD CREEK	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28							
HINNEY CREEK	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57						
WIDE CREEK	15	15	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	14						
PYLE SPRING	25	25	26	26	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27						
MCTUCKER	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
HULL SPRING	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
TANNER SPR.	52	52	52	41	40	40	47	59	58	54	53	48	46	50	57	77	90	90	85	80	79	76	70	57	59	64	63	59	58	55	57	58	58	62	65	59	56	56	56	56	56	56	56	56	56		
CRYSTAL DIT	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
CRYSTAL WA	27	28	28	28	28	28	28	28	28	28	29	29	30	31	32	32	32	32	33	33	34	34	34	34	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35			
DANIELSON	51	51	51	51	51	51	51	51	51	50	50	49	48	47	47	47	47	48	48	49	50	51	52	53	54	55	55	55	55	54	54	53	52	52	51	51	51	51	51	51	51	51	51				
ARTESIAN SF	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
STERLING W	8	9	10	11	12	13	13	13	13	12	12	11	11	10	10	10	10	10	9	9	9	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8			
COLBURN WA	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
ABERDEEN	24	25	26	27	28	29	29	29	29	28	27	26	25	24	24	24	24	24	22	20	19	17	16	14	14	13	13	13	13	13	13	14	14	14	14	14	15	15	15	15	16	16					
TARTAR WA	6	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	6	6	6	6
SCHILTZ WA	3	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
CEDAR WAS	2	3	3	3	4	4	4	4	4	3	3	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
ROSS FORK	33	33	33	33	33	33	33	33	34	34	34	34	35	35	35	35	35	35	35	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
TRIPLE CREEK	1292	1294	1295	1282	1284	1283	1290	1302	1302	1304	1297																																				

RVOIR

1939

PLATE NO. II

3

DATE	JACKSON LAKE contents Ac.Ft.			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 DATE	SHEL STORE N	SHEL STORE N	
	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL					STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL					
MAY 9	692860	0	68	68						MAY 10	0	11892	11892	0	5902	5902	0	3300	MAY 11	0	50
10	699460	-268	343	75			-7			11	-261	12888	12627	0	6734	6734	-13	3180	12	-248	50
11	708050	-1420	1537	27			-36			12	-1424	12859	12435	0	6991	6991	-70	3040	13	-1354	50
12	715420	-2645	2725	80			-66			13	-2579	14118	11533	0	7548	7548	-126	2900	14	-2453	50
13	722800	-2915	2997	82			-73			14	-2842	13969	11127	0	7645	7645	-139	2710	15	-2103	50
14	730960	-3169	3289	120			-79			15	-3090	14519	11429	0	8145	8145	-150	2670	16	-2940	50
15	739860	-2240	2397	157			-56			16	-2184	14415	12231	0	8271	8271	-106	2740	17	-2078	50
16	751020	-786	957	171			-20			17	-766	14195	13429	0	8232	8232	-37	3010	18	-729	50
17	763220	-410	595	185			-10			18	-400	14029	13629	0	8045	8045	-19	3260	19	-381	50
18	775450	-460	614	154			-11			19	-449	14029	13231	0	7859	7859	-22	3140	20	-427	50
19	786230	-1516	1638	122			-38			20	-1478	14089	12611	0	7320	7320	-72	2880	21	-1406	50
20	795260	-2916	3006	90			-73			21	-2843	14265	11422	0	7134	7134	-136	2320	22	-2707	50
21	801820	-3570	3642	72			-89			22	-3481	14293	10812	0	6916	6916	-170	1850	23	-3311	50
22	808900	-3565	3620	55			-89			23	-3476	13901	10425	0	6959	6959	-169	1580	24	-3307	50
23	815970	-3055	3487	432			-76			24	-2979	12880	9901	0	7184	7184	-145	1430	25	-2834	50
24	822030	-1669	2859	1190			-42			25	-1627	11752	10125	8	7091	7099	-79	1320	26	-1556	50
25	825340	-1412	2912	1500			-35			26	-1377	11214	9837	13	7104	7117	-67	1110	27	-1323	50
26	828140	-897	3087	2190			-22			27	-875	11302	10427	32	7204	7236	-43	978	28	-864	50
27	829920	-1669	3999	2330			-42			28	-1627	12452	10825	31	7437	7468	-79	846	29	-1579	50
28	833230	-2566	4896	2330			-64			29	-2502	14427	11925	31	7655	7686	-122	890	30	-2411	50
29	838320	-3016	5346	2330			-75			30	-2941	16566	13625	32	7737	7769	-143	994	31	-2830	50
30	845190	828	3542	4370			21			31	807	15618	14425	24	8024	8048	39	1260	JUN. 1	744	50
31	848760	1754	4916	6670			44			JUN. 1	1710	17117	18827	19	8244	8263	83	1660	2	1608	50
JUN 1	847000	0	5570	5570			0			2	0	17627	17627	15	8163	8178	0	1770	3	-15	50
2	846210	0	3790	3790			0			3	0	14227	14227	15	8129	8144	0	1510	4	-15	50
3	846210	0	3220	3220			0			4	0	13023	13023	16	8026	8042	0	1220	5	-16	50
4	848000	0	3790	3790			0			5	0	13423	13423	23	8000	8023	0	1140	6	-23	50
5	848000	0	4290	4290			0			6	0	14627	14627	34	8005	8039	0	1190	7	-34	50
6	848000	0	4260	4260			0			7	0	14427	14427	31	7955	7986	0	1170	8	-31	50
7	846460	0	3420	3420			0			8	0	12725	12725	25	7744	7769	0	1110	9	-25	50
8	847000	0	3000	3000			0			9	0	12025	12025	23	7631	7654	0	1030	10	-23	50
9	848250	880	3090	3970			22			10	858	12560	13418	21	7361	7382	42	1740	11	795	50
10	847230	0	4200	4200			0			11	0	13218	13218	14	7184	7198	0	2400	12	-14	50
11	846460	0	3310	3310			0			12	0	12023	12023	10	6935	6945	0	2150	13	-10	50
12	846210	0	2770	2770			0			13	0	11123	11123	3	7132	7135	0	1720	14	-3	50
13	846460	0	2590	2590			0			14	0	10826	10826	8	7143	7651	0	1340	15	-8	50
14	847230	0	2650	2650			0			15	0	11116	11116	11	7726	7737	0	1200	16	-11	50
15	848000	0	2930	2930			0			16	0	11927	11927	14	7893	7907	0	962	17	-14	50
16	848250	1928	1072	3000			48			17	1880	10647	12527	14	7442	7456	92	956	18	1774	50
17	848510	2896	104	3000			72			18	2824	9403	12227	6	6799	6805	138	1500	19	2680	50
18	848250	3321	-481	2840			83			19	3238	8989	12227	3	5265	5268	158	2250	20	3	

DAILY SUMMARY OF DATA AT AND BETWEEN SITES

DATE	JACK'S LAKE			DIV. SHELLY-BLACKFOOT			THEORETICAL BALANCE STORED AT BLACKFOOT	BLACKFOOT RIVER	CLOUGH			CALCULATED IN FLOW CLOUGH TO NEELEY	AM. FALLS RESERVOIR Contents Acres	24 HOUR SECOND FEET EXCEPT AS NOTED				
	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL			STOR.	NORM.	TOTAL			STOR.	NORM.			
MAY 9	69	9428	9180	0	3581	3581	0	MAY 12	30	0	5840	5840	2725	MAY 12	1703720	0	10180	
10	69	9734	8380	0	3613	3613	-15	13	37	-233	6003	5770	2723	14	1698320	1474	8726	
11	72	9713	7260	0	3591	3591	-81	14	47	-1273	6023	4750	2703	15	1689910	1874	8226	
12	71	9303	6600	0	3529	3529	-147	15	50	-2306	6026	3730	2690	16	1679260	1874	8226	
13	72	9340	6400	0	3474	3474	-162	16	24	-2541	6041	3500	2685	17	1670320	2074	8726	
14	72	9178	7100	0	3514	3514	-176	17	21	-2764	6044	3280	2682	18	1661420	2074	8726	
15	72	9179	8450	0	3621	3621	-125	18	22	-1953	6053	4100	2673	19	1646550	2174	8726	
16	72	9251	8870	0	3611	3611	-44	19	23	-685	6025	5340	2665	20	1647650	1810	8690	
17	72	9367	8940	0	3449	3449	-23	20	18	-358	5928	5570	2662	21	1639360	1710	8590	
18	72	9906	8500	0	3397	3397	-26	21	22	-401	5941	5540	2649	22	1629960	1710	8590	
19	78	10407	7700	0	3289	3289	-84	22	17	-1322	5852	4530	2648	23	1624990	1600	8580	
20	80	10011	6700	0	3264	3264	-162	23	13	-2545	5755	3210	2645	24	1617250	1440	8400	
21	80	8917	5610	0	3361	3361	-199	24	14	-3112	5642	2530	2652	25	1608010	1706	8294	
22	81	7924	5090	0	3288	3288	-198	25	20	-3109	4889	1780	2660	26	1596650	3151	7549	
23	82	6646	5090	0	3299	3299	-170	26	13	-2664	4284	1620	2648	27	1581380	3948	6932	
24	82	5773	4450	0	3282	3282	-93	27	14	-1463	2763	1300	2644	28	1567250	5193	5407	
25	82	5384	4520	0	3266	3266	-79	28	11	-1244	2216	972	2633	29	1553840	5551	4849	
26	82	6189	4610	0	3332	3332	-52	29	7	-812	1686	874	2625	30	1535740	6089	4311	
27	83	7771	5360	0	3381	3381	-95	30	4	-1484	2431	947	2617	31	1521370	5352	5048	
28	83	9560	6730	0	3555	3555	-145	31	3	-2266	3896	1630	2603	JUN. 1	1508070	3801	6499	
29	84	9086	9830	0	3703	3703	-170	JUN. 1	3	-2660	6060	3400	2590	2	1504930	1650	8650	
30	84	10492	12100	0	3776	3776	45	2	699	3	699	5921	6620	2589	3	1501270	1790	8510
JUN 1	84	10315	10300	0	3625	3625	96	3	1512	26	1512	5828	7340	2592	4	1495510	2080	8420
2	84	7855	7840	0	3601	3601	-1	4	50	-14	4954	4940	2594	5	1486020	3152	7548	
3	84	6686	6670	0	3545	3545	-1	5	33	-14	3554	3540	2595	6	1476130	4551	6149	
4	84	7153	7130	0	3400	3400	-1	6	-15	43	-15	3195	3180	2582	7	1467760	4623	5777
5	84	8144	8110	0	3592	3592	-2	7	-22	15	-22	4192	4170	2584	8	1459900	3424	6776
6	84	7931	7900	0	3539	3539	-2	8	25	-32	4602	4570	2583	9	1451620	3015	7185	
7	84	6595	6570	0	3051	3051	-2	9	35	-29	4279	4250	2590	10	1446990	2841	6869	
8	84	6753	6730	0	3353	3353	-2	10	37	-23	3393	3370	2602	11	1439790	3425	5995	
9	84	8145	8740	0	3360	3360	-1	11	51	-22	4782	4760	2602	12	1434650	2036	7384	
10	84	8994	8980	0	3319	3319	-1	13	59	747	5533	6280	2600	13	1433110	1287	8133	
11	84	7400	7390	0	3270	3270	-1	14	40	-13	5003	4990	2604	14	1427960	1813	7607	
12	84	5923	5920	0	3299	3299	0	15	24	-9	3219	3210	2597	15	1416650	3854	5816	
13	84	5098	5090	0	3481	3481	0	16	16	-3	1943	1940	2599	16	1405340	5258	4542	
14	84	5071	5060	0	3514	3514	-1	17	14	-8	1648	1640	2604	17	1394750	5548	4232	
15	84	6124	6110	0	3502	3502	-1	18	37	-10	2100	2090	2611	18	1383660	5089	4711	
16	84	6196	7970	0	2944	2944	106	19	94	-13	4223	4210	2631	19	1382150	1946	6854	
17	84	6440	9120	0	2528	2528	161	20	288	1668	4842	6310	2645	20	1384660	713	7487	
18	84	6753	9830	0	2455	2455	185	21	101	2519	4941	7460	2644	21	1388700	615	7585	
19	85	7408	10500	0	2586	2586	186	22	77	2892	5088	7980	2637	22	1392730	795	7725	
20	84	8344	10100	0	2701	2701	105	23	70	2906	5204	8110	2634	23	1391220	1212	7838	
21	84	8456	9260	0	2769	2769	48	24	61	1651	5479	7130	2634	24	1393240	1647	8113	
22	84	8570	8570	0	2766	2766	0	25	58	756	5544	6300	2631	25	1386180	2225	8175	
23	84	8070	8070	0	2920	2920	0	26	54	0	5700	5700	2625	26	1384160	2375	8325	

# VAKE RIVER GAGING STATIONS 1939

	LAKE WALCOTT	MINIDOKA CANALS						HOWELLS	DATE	MILNER LAKE GAGE	GOODING			NORTH		
		TOTAL Contents Acre	NORTH	SOUTH	TOTAL	STOR.	NORM.				STOR.	NORM.	TOTAL	GOODING	PA	
1	10100	95910	1510	1130	2640	0	2640	0	7470	MAY 14	10.87	0	1280	1280	810	
2	10200	95670	1560	1200	2760	34	2726	1630	7630	15	10.85	1250	0	1250	810	
3	10400	95910	1610	1270	2880	154	2726	1800	6000	16	10.74	1220	0	1220	820	
4	10600	94950	1620	1270	2890	164	2726	1710	6000	17	10.84	1230	0	1230	820	
5	10800	95670	1620	1220	2840	114	2726	1900	6000	18	10.93	1230	0	1230	830	
6	10800	95670	1620	1240	2860	134	2726	2150	6000	19	10.72	1210	0	1210	830	
7	10900	94250	1580	1230	2810	84	2726	2010	6000	20	11.03	1200	0	1200	840	
8	10500	96150	1510	1180	2690	0	2690	1960	6000	21	11.02	1200	0	1200	830	
9	10300	95670	1510	1080	2590	0	2590	1610	6000	22	10.64	1190	0	1190	820	
10	10300	95430	1500	1090	2590	0	2590	1740	6000	23	10.62	1190	0	1190	820	
11	10100	95910	1400	1100	2500	0	2500	1900	6000	24	10.61	1190	0	1190	820	
12	9840	95310	1340	1060	2400	0	2400	2060	6000	25	10.77	1170	0	1170	820	
13	10000	94490	1330	1060	2390	96	2294	1980	6000	26	10.82	1160	0	1160	830	
14	10700	94020	1360	1110	2470	744	1726	2347	5823	27	10.92	1170	0	1170	830	
15	10900	94250	1440	1180	2620	894	1726	2854	5206	28	11.00	1170	0	1170	830	
16	10600	94950	1450	1210	2660	934	1726	4059	3681	29	10.99	1170	0	1170	830	
17	10400	95180	1490	1230	2720	1271	1449	4150	3400	30	10.67	1160	0	1160	820	
18	10400	94020	1500	1250	2750	1839	911	4340	3400	31	10.73	1160	0	1160	820	
19	10400	94250	1500	1250	2750	1102	1648	4450	3400	32	10.72	1160	0	1160	820	
20	10300	93550	1500	1180	2680	954	1726	3157	4773	33	11.00	1170	0	1170	820	
21	10300	94370	1500	1150	2650	0	2650	1820	6000	34	11.02	1160	0	1160	820	
22	10300	94250	1470	1040	2510	0	2510	1660	6000	35	10.83	1160	0	1160	810	
23	10500	93550	1420	1000	2420	0	2420	1690	6000	36	10.74	1160	0	1160	810	
24	JUN 1	10700	94250	1400	1050	2450	724	1726	1998	5822	37	10.84	1160	0	1160	810
25	10700	95670	1390	1060	2450	724	1726	3347	4423	38	10.92	1160	0	1160	810	
26	10400	97110	1340	998	2338	612	1726	3659	4051	39	10.94	1160	0	1160	800	
27	10200	97110	1310	949	2259	533	1726	2610	5050	40	10.80	1160	0	1160	810	
28	10200	97350	1280	878	2158	432	1726	2361	5459	41	10.94	1160	0	1160	810	
29	9710	98560	1220	801	2021	295	1726	2437	5143	42	10.84	1160	0	1160	810	
30	9420	98080	1190	821	2011	285	1726	3281	4269	43	10.81	1160	0	1160	810	
31	9420	97590	1190	869	2059	333	1726	1972	5658	44	10.86	1160	0	1160	800	
32	9420	97110	1220	913	2133	0	2133	1520	6000	45	10.85	1160	0	1160	800	
33	9420	96630	1310	925	2235	509	1726	1539	5881	46	10.56	1150	0	1150	810	
34	9670	95180	1330	955	2285	559	1726	3430	4090	47	10.62	1160	0	1160	800	
35	9800	95180	1270	884	2154	1012	1142	4150	3400	48	10.44	1150	0	1150	810	
36	9800	95070	1090	752	1842	990	852	4310	3400	49	10.82	1160	0	1160	820	
37	9800	95670	1010	603	1613	302	1311	4310	3400	50	11.13	1160	0	1160	810	
38	8800	98080	953	559	1512	0	1512	1748	5342	51	10.84	1150	0	1150	800	
39	8200	97840	905	612	1517	0	1517	830	5970	6800	52	10.84	1150	0	1150	800
40	8200	97590	960	655	1615	0	1615	910	5970	6880	53	10.75	1150	0	1150	790
41	8520	96630	1080	645	1725	0	1725	1090	6000	7090	54	10.52	1160	0	1160	800
42	9050	94720	1180	658	1838	0	1838	1440	6000	7440	55	10.66	1170	0	1170	810
43	9760	95070	1320	793	2113	0	2113	1610	6000	7610	56	10.64	1180	0	1180	820
44	10400	93550	1360	815	2175	0	2175	2060	6000	8060	57	11.00	1180	0	1180	820
45	10700	94950	1440	958	2398	73	2325	1800	6000	7800	58	10.99	1180	0	1180	820
46	10900	95910	1510	1030	2540	814	1726	1773	5807	7580	59	10.97	1190	0	1190	810
47	10700	97230	1580	1030	2610	884	1726	2919	4631	7550	60	10.80	1170	0	1170	890
48	10200	96990	1600	1100	2700	1074	1726	4074	3506	7580	61	10.84	1190	0	1190	890
49	10400	95910	1600	1170	2770	2196	574	4310	3400	7710	JUL 1	10.84	1190	0	1190	890

PLATE NO. 12

VAKE R

SIDE CANAL CO.

	MAIN	TOTAL	STOR.	NORM.	TWIN FALLS CAN. CO.	MILNER	LOW LIFT	SNAKE R AT MILNER						
	LAKE	60	2540	3410	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	
DATE TOTAL	WALCO	60	2550	3420	0	3410	0	3370	3370	0	150	150	0	
Contents A60			2530	3410	420	3000	320	3000	3370	150	0	150	20	20
10100	95460		2550	3430	410	3000	360	3000	3360	150	0	150	20	20
MAY 9	10200		95660		2550	3430	430	3000	370	3000	3370	150	0	15
11	10600		95760		2550	3440	440	3000	370	3000	3370	150	0	15
11	10600		94660		2520	3410	410	3000	380	3000	3380	144	0	144
12	10800		95660		2520	3420	420	3000	360	3000	3360	150	0	144
13	10800		95660		2510	3400	400	3000	380	3000	3380	150	0	144
14	10900		94660		2500	3380	400	3000	390	3000	3380	150	0	144
15	10500		96660		2520	3400	380	3000	400	3000	3400	150	0	144
16	10300		95660		2530	3410	400	3000	410	3000	3410	150	0	144
17	10300		95660		2530	3410	410	3000	410	3000	3410	150	0	144
18	10100		95660		2540	3420	420	3000	410	3000	3410	151	0	144
19	9840		95660		2550	3440	440	3000	410	3000	3410	150	0	144
20	10000		94660		2530	3420	597	2823	410	3000	3420	150	0	144
21	10700		94660		2530	3420	1214	2206	390	3000	3410	150	0	144
22	10900		94660		2530	3420	2739	681	380	3000	3390	150	0	144
23	10600		94660		2540	3420	3020	400	420	3000	3380	151	0	144
24	10400		95660		2530	3410	3010	400	400	3000	3400	151	0	144
25	10400		94660		2530	3410	3010	400	400	3000	3400	151	0	144
26	10400		94660		2530	3410	400	3000	400	3000	3400	151	0	144
27	10400		94660		2530	3410	1637	1773	400	3000	3400	151	0	144
28	10300		93660		2530	3410	410	3000	400	3000	3400	152	0	144
29	10300		94660		2520	3390	390	3000	400	3000	3400	152	0	144
30	10300		94660		2520	3410	410	3000	400	3000	3400	153	0	144
31	10500		93660		2540	3410	410	3000	400	3000	3400	153	0	144
JUN 1	10700		94660		2550	3420	598	2822	400	3000	3400	153	0	144
2	10700		9354		2540	3404	1981	1423	400	3000	3400	153	0	144
3	10400		9460		2520	3370	2319	1051	380	3000	3380	152	0	144
4	10200		9160		2500	3360	1310	2050	360	3000	3360	152	0	144
5	10200		9160		2490	3360	901	2459	360	3000	3360	150	0	144
6	9110		9160		2490	3360	1217	2143	350	3000	3350	149	0	144
7	9420		9160		2500	3370	2101	1269	310	3000	3310	148	0	144
8	9420		9160		2480	3350	692	2658	260	3000	3260	148	0	144
9	9420		9160		2450	3310	310	3000	250	3000	3250	148	0	144
10	9420		9160		2450	3310	429	2881	240	3000	3240	147	0	144
11	9670		9160		2450	3320	2230	1090	240	3000	3240	137	0	144
12	9800		9160		2380	3240	2840	400	180	3000	3180	135	0	144
13	9800		9160		2290	3160	2760	400	170	3000	3120	124	0	144
14	9800		9160		2270	3150	2750	400	80	3000	3080	123	0	144
15	8800		9160		2230	3100	758	2342	0	3000	3000	124	0	144
16	8200		9160		2280	3140	140	3000	0	2970	2970	123	0	144
17	8200		9160		2320	3180	180	3000	50	3000	3050	123	0	144
18	8520		9160		2360	3210	210	3000	180	3000	3180	123	0	144
19	9050		9160		2370	3230	230	3000	320	3000	3320	142	0	144
20	9760		9160		2380	3250	250	3000	430	3000	3430	148	0	144
21	10400		9160		2450	3330	330	3000	430	3000	3400	147	0	144
22	10700		9160		2460	3340	340	3000	400	3000	3400	145	0	144
23	10900		9160		2460	3340	533	2807	400	3000	3400	145	0	144
24	10700		9160		2460	3340	1709	1631	400	3000	3400	146	0	144
25	10200		9160		2450	3320	2814	506	400	3000	3400	150	0	144
26	10400		9160		2420	3370	2970	400	440	3000	3440	150	0	144

DATE	JACKSON LAKE contents ACFT	MORAN			TWIN LAKES STORED	MORAN TO HEISE LOSS STORED	DIVERSIUM MORAN STORED	DATE	HEISE + RILEY			DIV. HEISE - SHELLEY			HEISE TO SHELLEY LOSS STORED	REXBURG	DATE	SH. STOR.	
		STOR.	NORM.	TOTAL					STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL					
JUN 27	848250	0	2110	2110	27	1		JUN 28	26	9939	9935	43	7163	7206	1	1150	JUN 29	-18	
28	848510	0	2500	2500	27	1		29	26	9998	10024	44	7432	7476	1	912	30	-19	
29	848000	0	3320	3320	27	1		30	26	11196	11222	188	7810	7998	1	760	JUL 1	-163	
30	847000	370	2700	3070	27	10		JUL 1	387	10840	11227	330	7834	8164	19	730	2	38	
JUL 1	846210	460	2600	3060	28	12		2	476	10756	11232	227	7940	8167	23	830	3	226	
2	845700	660	2400	3060	28	17		3	671	10554	11225	316	7900	8216	33	874	4	322	
3	843920	760	2300	3060	28	20		4	768	9947	10715	334	7752	8086	37	775	5	397	
4	842140	850	2200	3050	28	22		5	856	9744	10600	338	7659	7997	42	760	6	476	
5	840860	1275	1995	3270	28	32		6	1271	9641	10912	241	7538	7779	62	808	7	968	
6	838320	1286	2094	3380	29	33		7	1282	9734	11016	267	7534	7801	63	1040	8	952	
7	835770	961	2029	2990	29	25		8	965	9031	9996	441	7221	7662	47	1020	9	477	
8	833230	1232	1978	3210	29	31		9	1230	8791	10021	499	7176	7675	60	896	10	671	
9	829920	1681	1709	3390	30	43		10	1668	8458	10126	624	7098	7722	81	802	11	963	
10	827120	1769	1541	3310	31	45		11	1752	8273	10025	1226	6842	8068	86	730	12	440	
11	824580	2180	1450	3630	31	55		12	2153	7753	9906	1733	6331	8064	105	660	13	315	
12	820010	3200	1440	4640	33	81		13	3149	7768	10917	1714	6439	8153	154	605	14	1281	
13	813690	3710	1430	5140	33	94		14	3646	7568	11214	1923	6524	8447	178	620	15	1545	
14	806870	3790	1430	5220	33	96		15	3724	7388	11112	1818	6588	8406	182	630	16	1724	
15	799800	4150	1430	5580	34	105		16	4076	7243	11319	1938	6470	8408	199	620	17	1939	
16	792000	4280	1420	5700	35	108		17	4204	6926	11130	1878	6515	8393	205	650	18	2121	
17	782770	4430	1420	5850	36	111		18	4352	6680	11032	2042	6327	8369	213	670	19	2097	
18	774700	4780	1410	6190	36	120		19	4693	6339	11032	2035	6412	8447	229	665	20	2429	
19	763960	5440	1410	6850	37	137		20	5337	6097	11434	1961	6331	8292	260	615	21	3116	
20	752760	4391	1399	5790	37	111		21	4307	6426	10733	2269	6044	8313	210	566	22	1828	
21	744550	3990	1310	5300	37	101		22	8916	6056	9972	1773	5709	7482	191	558	23	1952	
22	736400	4390	1300	5690	38	111		23	4307	5634	9941	1711	5649	7360	210	562	24	2386	
23	726750	5560	1290	6850	38	140		24	5448	5485	10933	2085	5456	7541	266	566	25	3097	
24	715420	5600	1290	6890	39	141		25	5488	5442	10930	2828	5189	8017	267	566	26	2393	
25	704370	5565	1285	6850	39	140		26	5454	5477	10931	3084	4989	8073	266	566	27	2104	
26	693350	5510	1280	6790	38	139		27	5399	5531	10930	3245	4930	8175	263	566	28	1891	
27	682370	5330	1270	6600	38	134		28	5224	5607	10831	3065	5157	8222	255	553	29	1904	
28	672620	5095	1265	6360	37	128		29	4994	5537	10531	2908	5280	8188	244	548	30	1842	
29	662930	4987	1273	6260	37	125		30	4889	5642	10531	2790	5281	8071	238	576	31	1861	
30	653250	4381	1809	6190	37	110		31	4298	6632	10930	2607	5339	7946	210	680	AUG 1	1481	
31	644560	4002	1738	5740	37	101		10 AUG 1	3928	6596	10524	1856	5975	7831	192	868	2	1880	
AUG 1	636620	2304	1566	3870	37	58		10	2	2273	6893	9166	1310	5845	7155	111	945	3	852
2	632050	2333	867	3200	37	59		3	2301	5555	7856	1418	5661	7079	112	857	4	771	
3	627480	2424	866	3290	37	61		4	2390	5216	7606	1855	5228	7083	116	786	5	419	
4	622200	3414	866	4280	36	86		5	3354	4623	7977	2093	4968	7061	163	786	6	1098	
5	614320	5164	866	6030	36	130		6	5060	4611	9671	1930	5005	6935	247	796	7	2883	
6	603810	5514	866	6380	34	139		7	5399	4624	10023	2451	4969	7420	263	818	8	2685	
7	593350	5094	866	5960	34	128		8	4990	4813	9803	2412	4992	7404	243	802	9	2335	
8	584340	4254	866	5120	34	107		9	4171	4882	9053	2293	4864	7157	204	846	10	1674	
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# DAILY SUMMARY OF DATA AT AND BETW.

DATE	ELLEY		DIV. SHELLEY-BLACKFOOT				SHELLEY BLACKFOOT LOSS STORED	DATE	THEORETICAL BALANCE STORED AT BLACKFOOT		BLACKFOOT RIVER	CLOUGH			24 HOUR SECOND FEET EXCEPT		
	JACKSON LAKE Contents Acfa	NORM TOTAL	STOR.	NORM	TOTAL	STOR.	NORM	TOTAL	STOR.	NORM	TOTAL	CALCULATED INFLOW CLOUGH TO NEELEY	AM. FALL RESERVO Contents R	AM. FALL RESERVO Contents R	AM. FALL RESERVO Contents R	AM. FALL RESERVO Contents R	
JUN 27	848250	4278	4260	0	3320	3320	-1	JUN 30	-17	799	782	2615	JUL 1	1330			
28	848510	4009	3990	0	3385	3385	-1	JUL 1	-17	688	670	2610	2	1312			
29	848000	4663	4500	0	3519	3519	-10	2	-18	988	935	2603	3	1300			
30	847000	4352	4390	0	3491	3491	2	3	-153	784	820	2600	4	1283			
JUL 1	846210	4274	4500	0	3539	3539	14	4	36	212	593	2597	5	1270			
2	845700	4148	4470	0	3519	3519	19	5	212	303	547	2592	6	1255			
3	843920	3973	4370	0	3532	3532	24	6	303	27	367	2583	7	1243			
4	842140	3844	4320	0	3494	3494	29	7	373	447	543	2580	8	1231			
5	840860	3982	4950	0	3529	3529	58	8	447	26	990	2567	9	1219			
6	838320	3998	4950	0	3474	3474	57	9	910	26	600	2561	10	1206			
7	835770	3843	4320	0	3375	3375	29	10	895	6	1510	2556	11	1191			
8	833230	3469	4140	0	3385	3385	40	11	448	3	448	2552	12	1176			
9	829920	2817	3780	0	3410	3410	58	12	631	2	353	2529	13	1160			
10	827120	2870	3310	397	2869	3266	3	13	905	2	145	2528	14	1142			
11	824580	2795	3110	233	2645	2878	5	14	40	2	33	2523	15	1125			
12	820010	2269	3550	536	2516	3052	45	15	77	2	15	2509	16	1106			
13	813690	2255	3800	813	2489	3302	44	16	700	2	15	2507	17	1091			
14	806870	2006	3730	868	2405	3273	51	17	688	6	129	2507	18	1077			
15	799800	1881	3820	1112	2308	3420	50	18	805	12	127	2510	19	1060			
16	792000	1629	3750	1323	2116	3439	48	19	777	17	106	2510	20	1054			
17	782970	1563	3660	1694	1815	3509	24	20	750	15	26	2529	21	1042			
18	774700	1211	3640	1679	1440	3119	45	21	379	14	15	2529	22	1036			
19	763960	804	3920	1784	1276	3060	80	22	705	17	106	2529	23	1024			
20	752760	2162	3990	1818	1251	3069	1	23	1252	9	498	2526	24	1018			
21	744550	1578	3530	1295	1287	2582	39	24	9	2	677	2555	25	990			
22	736400	1184	3570	1282	1276	2558	66	25	618	2	610	2555	26	975			
23	726750	723	3820	1328	1268	2594	106	26	1038	2	805	2555	27	960			
24	715420	1267	3660	1707	1116	2823	41	27	1663	2	512	2558	28	944			
25	704370	1556	3660	1734	1176	2910	22	28	645	1	499	2558	29	929			
26	693350	1699	3590	1493	1188	2681	24	29	348	1	520	2574	30	913			
27	682370	1576	3480	1756	1167	2923	9	30	374	1	499	2574	31	897			
28	672620	1578	3420	1568	1171	2739	16	31	139	1	378	2584	32	884			
29	662930	1869	3730	1750	1191	2941	7	AUG 1	258	1	485	2587	33	871			
30	653250	2759	4240	1660	1304	2964	-11	2	104	1	716	2612	34	858			
31	644560	2380	4260	1566	1319	2885	19	3	-168	3	500	2637	2	846			
1 AUG	636620	2588	3440	1263	1269	2532	-25	4	295	2	500	2643	3	833			
2	632050	1709	2480	97	1295	1372	40	5	-386	1	500	2643	4	820			
3	627480	1701	2120	93	1240	1333	20	6	634	1	662	2635	5	806			
4	622200	1202	2300	36	1160	1196	64	7	306	2	582	2630	6	788			
5	614320	987	3870	624	1194	1818	135	8	998	2	1139	2631	7	778			
6	603810	1355	4040	1502	1151	2653	71	9	2124	2	1349	2631	8	762			
7	593350	1465	3800	1495	1012	2507	50	10	1112	2	1239	2629	9	749			
8	584340	1676	3350	1491	976	2467	11	11	790	3	928	2629	10	735			
9	576280	1686	3040	1066	1031	2097	17	12	172	2	869	2621	11	719			
10	568500	1571	2780	1048	1033	2081	10	13	271	2	624	2621	12	706			
11	561670	1132	2750	1061	987	2048	33	14	151	1	402	2621	13	690			
12	554370	1288	2940	1107	1070	2177	33	15	524	1	478	2617	14	676			
13	546870	1269	2820	1543	975	2518	0	16	8	1	300	2611	15	660			
14	539150	1012	2820	1541	980	2521	16	17	251	1	142	2597	16	645			

**JIVHKE RIVER GAGING STATIONS**

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AS NOTED

DATE	JACKSON LAKE Contents A.C.F.T.	HR F.P.	NEELEY			LAKE WALCOTT Contents A.C.F.T.	MINIDOMA			CANALS			HOWELLS			MILNER LAKE GAGE	GO STOR.
			STOR.	NORM.	TOTAL		NORTH	SOUTH	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL		
JUN 27	848250	820	7186	3414	10600	95430	1600	1220	2820	2804	14	4450	3408	2850	JUL 2	10.70	1280
28	848510	540	7502	3298	10800	94840	1610	1210	2820	2820	0	4662	3298	7960	3	10.76	1210
29	848000	490	7409	3591	11000	94840	1610	1170	2780	2589	191	4770	3400	8170	4	10.76	1230
30	847000	350	8016	3384	11400	94370	1600	1050	2650	2650	0	4976	3384	8360	5	11.07	1270
JUL 1	846210	750	8210	3190	11400	95910	1520	1040	2560	2560	0	5010	3190	8200	6	11.06	1290
2	845700	760	7561	3139	10700	96630	1440	860	2300	2300	0	4871	3139	8010	7	11.08	1290
3	843920	290	7550	2950	10500	97720	1480	807	2247	2247	0	4930	2950	7880	8	10.90	1280
4	842140	700	6933	3167	10100	97840	1440	815	2255	2255	0	4777	3123	7900	9	10.85	1290
5	840860	400	7204	2796	10500	97590	1440	916	2356	2356	0	4843	3167	8010	10	10.82	1280
6	838320	800	8180	2920	11100	96510	1500	1060	2560	2560	0	5264	2796	8060	11	10.72	1290
7	835770	260	8620	2680	11300	96390	1580	1180	2760	2760	0	5330	2920	8250	12	10.84	1290
8	833230	280	8521	2679	11200	95910	1610	1240	2850	2850	0	5740	2680	8420	13	10.84	1290
9	829920	760	8521	2679	11200	96150	1600	1240	2840	2840	0	5571	2679	8250	14	10.85	1360
10	827120	700	8426	2674	11100	95670	1540	1190	2730	2730	0	5601	2679	8280	15	10.84	1310
11	824580	990	8440	2660	11100	94950	1500	1130	2630	2630	0	5700	2660	8360	16	10.75	1310
12	820010	660	8438	2662	11100	95430	1500	1190	2690	2690	0	5588	2662	8250	17	10.84	1310
13	813690	680	8429	2671	11100	95670	1500	1260	2760	2760	0	5479	2671	8150	18	10.84	1310
14	806870	790	8705	2695	11400	95180	1560	1240	2800	2800	0	5475	2695	8170	19	10.78	1360
15	799800	570	9007	2693	11700	93900	1600	1250	2850	2850	0	6027	2693	8720	20	10.52	1290
16	782970	300	8907	2693	11600	95550	1610	1250	2860	2860	0	5777	2693	8470	21	10.75	1360
17	774700	420	8898	2702	11600	95670	1610	1210	2820	2820	0	5658	2702	8360	22	10.82	1290
18	763960	400	8900	2700	11600	95790	1610	1070	2680	2680	0	5690	2700	8390	23	10.82	1290
19	752760	180	8794	2706	11500	96390	1610	1130	2740	2740	0	5714	2706	8420	24	10.76	1290
20	744550	580	8794	2706	11500	97110	1610	1190	2800	2800	0	5604	2706	8310	25	10.90	1290
21	736400	720	8793	2707	11500	97350	1600	1170	2770	2770	0	5653	2707	8360	26	10.94	1290
22	726750	670	8791	2709	11500	97470	1600	1240	2840	2840	0	5711	2709	8420	27	11.00	1330
23	715420	490	8676	2724	11400	97110	1600	1220	2820	2820	0	5586	2724	8310	28	11.02	1350
24	704370	440	8373	2727	11100	97350	1560	1090	2650	2650	0	5473	2727	8200	29	10.95	1350
25	693350	100	7866	2734	10600	97590	1470	980	2450	2450	0	5436	2734	8170	30	10.84	1350
26	682370	940	7663	2737	10400	96510	1430	989	2419	2419	0	5543	2737	8280	AUG 1	10.78	1360
27	672620	710	7638	2762	10400	95790	1320	983	2303	2303	0	5578	2762	8360	2	10.81	1360
28	662930	510	7713	2787	10500	94950	1270	1010	2280	2280	0	5573	2787	8360	3	10.83	1360
29	653250	740	7307	3293	10600	94720	1300	931	2231	2231	0	5017	3293	8310	4	10.79	1360
31	644560	320	7515	3185	10700	94720	1330	916	2246	2246	0	5045	3185	8230	5	10.74	1320
AUG 1	636620	610	7724	3076	10800	94720	1360	928	2288	2288	0	5074	3076	8150	6	10.54	1190
2	632050	820	8020	2780	10800	93790	1360	949	2309	2309	0	5560	2780	8340	7	10.74	1260
3	627480	320	8118	2782	10900	94490	1350	1060	2410	2410	0	5468	2782	8250	8	10.74	1260
4	622200	810	8422	2778	11200	93900	1300	1120	2420	2420	0	5532	2778	8310	9	10.79	1260
5	614320	520	8527	2773	11300	94490	1310	1150	2460	2460	0	5667	2773	8440	10	10.82	1260
6	603810	120	8520	2780	11300	94720	1330	1230	2560	2560	0	5610	2780	8390	11	10.95	1260
7	593350	670	8434	2766	11200	94600	1420	1240	2660	2660	0	5514	2766	8280	12	11.03	1260
8	584340	590	8328	2772	11100	94720	1520	1250	2770	2770	0	5458	2772	8230	13	11.02	1190
9</td																	

ADING

DATE	JACKSON LAKE contents acft			NORTH SIDE CANAL CO.						TWIN FALLS CAN CO.			MILNER LOW LIFT			SNAKE R AT MILNER		
	3 NORM.	3 TOTAL	3 GOODING	P.R.	MAIN	TOTAL	STOR.	NORM.	STOR.	NORM.	STOR.	TOTAL	STOR.	NORM.	STOR.	NORM.	TOTAL	
JUN 10	848250	160	0	1200	930	60	2420	3410	3010	400	460	3000	3460	160	0	160	7	0
11	848510	820	0	1230	940	60	2490	3480	3092	388	560	2910	3470	159	0	159	6	0
12	848000	540	0	1270	950	60	2500	3500	3100	400	470	3000	3470	160	0	160	6	0
13	8472000	490	0	1290	940	60	2490	3500	3102	398	484	2986	3470	161	0	161	6	0
14	846210	350	0	1290	940	60	2490	3490	3114	376	686	2814	3460	161	0	161	18	0
15	845700	750	0	1280	940	60	2490	3490	3131	359	680	2780	3460	162	0	162	15	0
16	843920	260	0	1290	950	60	2440	3440	3093	347	847	2603	3450	161	0	161	8	0
17	842140	290	0	1280	950	60	2430	3440	3073	367	704	2756	3460	162	0	162	7	0
18	840860	300	0	1290	950	60	2420	3430	3058	372	655	2795	3450	160	0	160	7	0
19	838320	400	0	1290	940	59	2460	3469	3140	329	1013	2467	3480	162	0	162	7	0
20	835770	800	0	1290	950	59	2550	3549	3205	344	904	2576	3480	162	0	162	7	0
21	833230	260	0	1300	940	59	2550	3559	3244	315	1115	2365	3480	123	0	123	9	0
22	829920	280	0	1310	940	59	2540	3539	3224	315	1116	2364	3480	151	0	151	8	0
23	827120	760	0	1310	940	59	2510	3509	3194	315	1126	2364	3490	160	0	160	8	0
24	824580	200	0	1310	940	59	2530	3529	3215	314	1130	2360	3490	124	0	124	7	0
25	820010	990	0	1310	950	59	2580	3589	3276	313	1163	2347	3510	157	0	157	7	0
26	813690	660	0	1310	950	59	2560	3569	3256	313	1151	2349	3500	165	0	165	7	0
27	806870	680	0	1300	950	59	2550	3559	3245	314	1133	2357	3490	164	0	164	8	0
28	799800	290	0	1290	950	59	2580	3589	3272	317	1112	2378	3490	164	0	164	8	0
29	792000	570	0	1300	950	59	2610	3619	3302	317	1124	2376	3500	164	0	164	9	0
30	782770	300	0	1290	950	59	2560	3569	3252	317	1124	2376	3500	164	0	164	9	0
31	774700	420	0	1290	950	59	2550	3559	3241	318	1116	2384	3500	164	0	164	9	0
32	763960	400	0	1290	940	59	2540	3539	3221	318	1148	2382	3530	164	0	164	9	0
33	752760	180	0	1290	950	59	2540	3549	3231	318	1162	2388	3550	164	0	164	9	0
34	744550	580	0	1290	950	59	2540	3549	3231	318	1162	2388	3550	164	0	164	9	0
35	736400	720	0	1330	950	59	2540	3549	3231	318	1121	2389	3510	165	0	165	11	0
36	726750	670	0	1350	940	59	2580	3579	3260	319	1140	2390	3530	164	0	164	15	0
37	715420	490	0	1350	940	59	2620	3619	3299	320	1146	2404	3550	162	0	162	11	0
38	704370	440	0	1350	940	59	2580	3579	3258	321	1144	2406	3550	162	0	162	11	0
39	693350	100	0	1350	930	59	2570	3559	3238	321	1137	2413	3550	162	0	162	10	0
40	682370	940	0	1360	940	59	2590	3589	3267	322	1145	2415	3560	163	0	163	9	0
41	672620	710	0	1360	950	59	2590	3599	3274	325	1123	2437	3560	162	0	162	9	0
42	662930	510	0	1360	950	59	2580	3589	3261	328	1101	2459	3560	163	0	163	9	0
43	653250	940	0	1360	950	59	2570	3579	3192	387	664	2906	3570	163	0	163	9	0
44	644560	320	0	1320	950	59	2570	3579	3202	377	772	2808	3580	164	0	164	9	0
45	636620	610	0	1190	940	59	2510	3509	3147	362	876	2714	3590	163	0	163	9	0
46	632050	820	0	1200	950	59	2490	3499	3172	327	1137	2453	3590	162	0	162	8	0
47	627480	320	0	1200	950	60	2520	3530	3203	327	1135	2455	3590	163	0	163	8	0
48	622200	810	0	1200	950	60	2580	3590	3264	326	1138	2452	3590	162	0	162	8	0
49	614320	520	0	1200	950	60	2580	3590	3264	326	1153	2447	3600	166	0	166	11	0
50	603810	120	0	1200	940	60	2540	3540	3213	327	1137	2453	3590	165	0	165	12	0
51	593350	670	0	1200	940	60	2530	3530	3205	325	1149	2441	3590	162	0	162	13	0
52	584340	590	0	1190	940	60	2530	3530	3204	326	1144	2446	3590	163	0	163	10	0
53	576280	530	0	1190	940	60	2570	3570	3243	327	1140	2450	3590	165	0	165	10	0
54	568500	010	0	1190	950	60	2580	3590	3265</									

DAIL

DATE	JACKSON LAKE Contents Re-Factor			MORAN			TWIN LAKES STORED			MORAN TO HEISE LOSS STORED		DIVERSION MORAN TO HEISE STORED		DATE	HEISE + RILEY		DIV. HEISE-SHELLEY			HEISE TO SHELLEY LOSS STORED		REXBURG	DATE	SHELLEY	
	STOR.	NORM	TOTAL	STOR.	NORM	TOTAL	STOR.	NORM	TOTAL	STOR.	NORM	TOTAL	STOR.	NORM	TOTAL	STOR.	NORM	TOTAL	STOR.	NORM	TOTAL	STOR.	NORM		
1 AUG 15	531900	3915	825	4790	30	99	10	94616	3836	1947	4554	6501	187	760	8617	1702	1098	760	8617	1702	1098	760	8617		
16	523980	4470	820	5290	28	112	10	17	4396	4367	8103	2407	4638	7045	214	716	18	1755	885	716	18	1755	885		
17	514450	5080	820	5900	28	128	10	18	4970	4087	8415	2464	4596	7060	243	678	19	2263	747	678	19	2263	747		
18	504470	5015	815	5830	28	126	10	19	4967	4084	7054	2477	4593	7070	240	665	20	2190	900	665	20	2190	900		
19	494780	4885	815	5700	28	123	10	20	4980	4145	9052	2403	4611	7014	233	695	21	2144	1006	695	21	2144	1006		
20	485320	4656	804	5460	27	117	10	21	4556	4112	8892	2365	4655	7020	223	710	22	1968	1012	710	22	1968	1012		
21	476140	4370	800	5170	26	110	10	22	4276	4166	8722	1956	4608	6564	209	710	23	2111	869	710	23	2111	869		
22	467660	4110	800	4910	26	103	10	23	4023	4157	8433	2130	4487	6617	196	695	24	1697	1133	695	24	1697	1133		
23	459640	4100	800	4900	25	103	5	24	4017	4170	8193	2099	4436	6535	196	725	25	1722	1108	725	25	1722	1108		
24	451000	4340	800	5140	25	109	5	25	4251	4046	8063	2000	4436	6436	208	730	26	2043	1017	730	26	2043	1017		
25	442360	4470	800	5270	25	112	5	26	4378	4006	8257	1985	4388	6373	214	755	27	2179	991	755	27	2179	991		
26	433080	4920	800	5720	24	123	5	27	4816	3841	8219	1941	4418	6359	235	824	28	2640	980	824	28	2640	980		
27	423600	4720	880	5600	23	118	5	28	4620	3855	8671	1941	4418	6359	235	972	29	2160	1390	972	29	2160	1390		
28	414590	4169	901	5070	23	105	5	29	4082	4030	8650	2235	4454	6691	225	1050	30	1940	1300	1050	30	1940	1300		
29	406320	3837	913	4750	22	96	3	30	3760	4318	8400	1943	4613	6556	199	1090	31	1938	1492	1090	31	1938	1492		
30	398710	3440	900	4340	22	86	3	31	3733	4270	8030	1838	4710	6548	184	1120	SEP 1	1464	1576	1120	SEP 1	1464	1576		
31	392240	2910	900	3810	22	73	3	SEP 1	2856	4405	7778	1744	4722	6466	165	1140	2	1814	1506	1140	2	1814	1506		
1 SEP 1	386700	2344	736	3080	20	59	3	2	2302	4445	7301	1203	4720	5973	139	1150	3	1131	1599	1150	3	1131	1599		
2	382050	2250	650	2900	20	57	3	3	2210	4206	6508	1059	4712	5771	112	1140	4	1019	1431	1140	4	1019	1431		
3	377170	2250	640	2890	19	57	3	4	2209	3751	5960	1118	4505	5623	108	1140	5	983	1277	1140	5	983	1277		
4	372300	2550	620	3170	19	64	1	5	2504	3426	5930	1082	4657	5739	122	1130	6	1300	680	1130	6	1300	680		
5	366360	3170	600	3770	19	80	6	3109	3521	6630	1688	4718	6406	152	1150	7	1269	851	1150	7	1269	851			
6	360000	3070	590	3660	18	77	7	3011	3623	6634	1556	4789	6345	147	1110	8	1308	912	1110	8	1308	912			
7	354080	3160	580	3740	18	79	8	3099	3765	6864	1548	4724	6272	151	1080	9	1400	1100	1080	9	1400	1100			
8	348170	3280	580	3860	17	82	9	3215	3789	7004	1505	4566	6071	157	1110	10	1553	1177	1110	10	1553	1177			
9	341880	2510	570	3080	16	63	10	2463	4007	6470	890	4558	5448	120	1160	11	1453	1347	1160	11	1453	1347			
10	337320	1660	560	2220	15	42	11	1633	3837	5470	734	4671	5405	80	1170	12	819	1561	1170	12	819	1561			
11	334060	1326	834	2160	14	34	12	1306	4244	5550	510	4824	5334	64	1240	13	732	1768	1240	13	732	1768			
12	332110	423	1177	1600	12	11	13	424	4777	5201	237	4937	5174	21	1370	14	166	2334	1370	14	166	2334			
13	330590	111	1029	1140	12	3	14	120	4670	4790	-57	5092	5035	6	1450	15	171	2269	1450	15	171	2269			
14	330370	-111	843	732	11	-3	15	-97	4377	4280	21	4590	4611	-5	1430	16	-113	2493	1430	16	-113	2493			
15	330590	185	400	585	9	5	16	189	3681	3870	-28	4362	4334	9	1320	17	208	2012	1320	17	208	2012			
16	329940	150	400	550	8	4	17	154	3536	3690	80	4151	4231	8	1250	18	66	2154	1250	18	66	2154			
17	329510	74	400	474	7	2	18	79	3471	3550															

Y SUMMARY OF DATA AT AND BETWEEN SNAKE

DATE	JA LDTAL	DIV. SHELLY-BLACKFOOT			SHELLEY BLACKFOOT LOSS STORED	DATE	THEORETICAL BALANCE STORED AT BLACKFOOT	BLACKFOOT RIVER	24 HOUR SECOND FEET EXCEPT AS NOTED			L WF Cont.
		STOR.	NORM.	TOTAL					CLOUGH	CALCULATED INFLOW CLOUGH TO NEELEY	AM. FALLS RESERVOIR Contents Ac.Ft.	
Con.	2800	1540	1015	2555	10	AUG 18	152					
16	2440	1513	1046	2559	15	19	227	1	50	200	2596	AUG 19
17	3060	1597	994	2591	40	20	626	2	30	181	2593	20
18	3090	1811	783	2594	23	21	356	3	120	272	2591	21
19	3150	1787	780	2567	21	22	336	3	213	152	2585	22
20	2980	1771	776	2547	12	23	185	2	219	370	2572	23
21	2830	1345	769	2114	46	24	720	2	305	151	2568	24
22	2830	1367	777	2144	20	25	310	2	425	576	2568	25
23	3060	1303	768	2071	25	26	394	4	351	504	2572	26
24	3170	1627	757	2384	33	27	736	5	474	154	2576	27
25	3620	1683	713	2396	57	29	519	4	489	153	642	28
26	3550	1781	706	2487	23	30	900	3	653	152	805	29
27	3440	1580	872	2452	22	31	356	2	830	151	981	30
28	3230	1408	924	2332	20	SEP 1	338	2	796	151	947	31
29	3040	1362	885	2247	6	2	310	2	691	151	842	32
30	3020	1317	866	2183	12	3	96	3	653	152	805	33
31	2730	1179	913	2092	-3	4	185	5	614	154	768	34
1	2450	627	887	1514	24	5	-45	6	665	155	820	35
2	2260	567	844	1411	25	6	368	3	616	152	768	36
4	1980	572	838	1410	44	7	684	2	498	151	649	37
5	2120	593	813	1404	41	8	635	4	339	153	492	38
6	2220	1057	740	1797	15	9	236	15	226	164	390	39
7	2500	1164	808	1972	14	10	222	21	185	170	355	40
8	2730	1213	898	2111	20	11	320	24	436	173	609	41
9	2800	1205	865	2070	15	12	233	26	558	175	733	42
10	2380	902	798	1700	-5	13	-78	30	561	179	740	43
11	2500	478	793	1271	15	14	239	29	0	1110	1110	44
12	2500	0	1576	1576	10	15	156	34	0	1120	1120	45
13	2440	0	1606	1606	10	16	161	107	0	1090	1090	46
14	2380	0	1602	1602	-7	17	-106	107	0	1120	1120	47
15	2220	0	1532	1532	12	18	196	146	0	1080	1080	48
16	2220	0	1541	1541	4	19	62	108	0	964	964	49
17	2030	0	1549	1549	-3	20	-46	35	486	184	670	50
18	1820	0	1504	1504	-4	21	-54	25	402	174	576	51
19	1710	0	1423	1423	-8	22	-134	19	282	168	450	52
20	1580	0	1431	1431	-7	23	-113	29	239	178	417	53
21	1570	0	1392	1392	-6	24	-97	27	204	176	380	54
22	1530	0	1353	1353	16	25	248	24	163	173	336	55
23	1920	0	1560	1560	59	26	920	26	100	306	406	56
24	2130	633	1244	1877	14	27	218	24	0	380	380	57
25	2130	713	1283	1996	1	28	15	26	0	318	318	58
26	2150	716	1310	2026	7	29	117	24	0	318	318	59
27	2150	716	1324	2040	16	30	248	32	0	336	336	60
28	2230	725	1318	2043	-15							
29		0										
30												
TOTAL		82475		982		15602		14329			741241	

# RIVER GAGING STATIONS

1939

E NO. 13

DATE	NAME PL COTT Jents Ac Fr	MINIDOKA CANALS					HOWELLS			DATE	MILNER LAKE GAGE	GOODING			NORTH SIDE			DATE	CO.	SNAKE R AT MILNER		
		NORTH	SOUTH	TOTAL	STOR.	NORM.	STOR.	NORM.	TOTAL			STOR.	NORM.	TOTAL	GOODING	PA.	MAIN	STOR.	NORM.	TOTAL		
CO.	94020	1540	1260	2800	2800	0	5454	2746	8200	AUG 15	10.74	1230	0	1230	940	60	2520	3110	1	0		
16	94490	1540	1260	2800	2800	0	5424	2744	8170	17	10.72	1230	0	1230	940	60	2520	3111	2	0		
17	93900	1540	1260	2800	2800	0	5537	2743	8280	18	10.80	1240	0	1240	940	60	2550	3112	3	0		
18	94250	1540	1270	2810	2810	0	5547	2733	8200	19	10.90	1230	0	1230	940	60	2520	3113	4	0		
19	94950	1510	1270	2780	2780	0	5477	2723	8200	20	10.84	1230	0	1230	940	60	2490	3114	5	0		
20	95070	1480	1250	2730	2730	0	5371	2719	8090	21	10.88	1230	0	1230	940	60	2480	3115	6	0		
21	94490	1480	1240	2720	2720	0	5321	2719	8040	22	10.91	1230	0	1230	940	60	2510	3116	7	0		
22	94720	1410	1180	2590	2590	0	5285	2725	8010	23	10.93	1230	0	1230	950	59	2530	3117	8	0		
23	94600	1310	1140	2450	2450	0	5280	2730	8010	24	10.93	1220	0	1220	950	59	2490	3118	9	0		
24	94600	1310	1180	2490	2490	0	5249	2731	7980	25	10.98	1220	0	1220	940	59	2440	3119	10	0		
25	95180	1310	1180	2490	2490	0	5083	2737	7820	26	10.92	1080	0	1080	950	59	2180	3120	11	0		
26	95310	1310	1180	2490	2490	0	4426	2744	7170	27	10.93	1230	0	1230	950	59	1680	3121	12	0		
27	95310	1250	1160	2410	2410	0	3841	2739	6580	28	10.83	1080	0	1080	930	59	1770	3122	13	0		
28	94600	1150	1110	2260	2260	0	3843	2737	6580	29	10.90	950	0	930	750	59	1860	3123	14	0		
29	93320	1120	1020	2140	2140	0	3983	2737	6720	30	10.72	1000	0	1000	620	59	2180	3124	15	0		
30	95310	1120	973	2093	2093	0	3787	2743	6530	31	10.84	1000	0	1000	630	59	1830	3125	16	0		
31	95180	1130	973	2103	1997	106	3680	2740	6320	32	10.88	1000	0	1000	630	59	1820	3126	17	0		
SEP 1	94840	1120	1050	2170	2170	0	2925	2755	5680	33	10.78	970	0	970	630	59	1790	3127	18	0		
2	93550	1120	1070	2190	2190	0	3947	2743	6690	34	10.92	970	0	970	630	59	1770	3128	19	0		
3	94370	1150	1070	2220	2220	0	3705	2745	6450	35	10.88	960	0	960	630	59	1730	3129	20	0		
4	94370	1150	1020	2170	2170	0	3473	2767	6240	36	10.84	940	0	940	630	59	1710	3130	21	0		
5	94370	1120	922	2042	2042	0	3387	2803	6190	37	10.77	940	0	940	630	59	1720	3131	22	0		
6	93790	1120	916	2036	2036	0	3383	2807	6190	38	10.74	940	0	940	630	59	1730	3132	23	0		
7	93200	1110	934	2044	2044	0	3391	2799	6190	39	10.82	940	0	940	630	59	1740	3133	24	0		
8	93440	1030	901	1931	1931	0	3217	2793	6010	40	10.84	940	0	940	630	60	1700	3134	25	0		
9	93440	890	678	1568	1568	0	2957	2803	5760	41	10.88	930	0	930	630	60	1630	3135	26	0		
10	94370	749	519	1268	1268	0	1268	2841	5320	42	11.03	910	0	910	620	60	1610	3136	27	0		
11	95070	749	424	1173	160	1013	2090	2760	4850	43	10.79	910	0	910	620	60	1560	3137	28	0		
12	95180	749	385	1134	40	1094	2400	2660	5060	44	10.94	900	0	900	620	60	1550	3138	29	0		
13	94600	747	350	1097	0	1097	2171	2679	4850	45	10.84	890	0	890	620	60	1470	3139	30	0		
14	93550	747	365	1112	0	1112	1805	2615	4420	46	10.67	890	0	890	610	60	1380	3140	31	0		
15	93200	745	501	1246	6	1240	2020	2360	4380	47	10.48	880	0	880	610	60	1350	3141	32	0		
16	92620	743	533	1276	135	1141	2140	2370	4510	48	10.36	860	0	860	600	60	1300	3142	33	0		
17	91810	741	547	1288	825	463	2330	2360	4690	49	10.32	890	0	890	600	60	1280	3143	34	0		
18	90990	738	581	1319	884	435	2430	2370	4800	50	10.30	890	0	890	600	60	1260	3144	35	0		
19	90290	736	591	1327	900	427	2390	2370	4760	51	10.32	900	0	900	390	60	364	3145	36	0		
20	88200	730	581	1311	757	554	1220	2250	3470	52	10.45	900	0	900	290	60	0	216	3146	37	0	
21	87220	728	579	1307	708	599	1020	2200	3220	53	10.44	900	0	900	290	60	0	216	3147	38	0	
22	86330	760	567	1327	687	640	1040	2160	3200	54	10.35											

TATIONS

1939

PLATE NO. 13

DWELLS	DATE	MILNER LAKE GAGE	GOODING		NORTH SIDE			CANAL CO.			TWIN FALLS CAN CO.			MILNER LOW LIFT			SNAKE R. AT MILNER			
			NORM.	TOTAL	STOR.	NORM.	TOTAL	GOODING	P.A.	MAIN	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL
2746	8200	AUG 20	10.74	1230	0	1230	940	60	2520	3520	3197	323	1187	2423	3610	165	0	8	0	8
2744	8170	21	10.72	1230	0	1230	940	60	2520	3520	3197	323	1199	2421	3620	164	0	8	0	8
2743	8280	22	10.80	1240	0	1240	940	60	2550	3550	3227	323	1200	2420	3620	163	0	8	0	8
2733	8280	23	10.90	1230	0	1230	940	60	2520	3520	3199	321	1208	2412	3620	164	0	9	0	9
2723	8200	24	10.86	1230	0	1230	940	60	2490	3490	3170	320	1207	2403	3610	163	0	8	0	8
2719	8090	25	10.84	1230	0	1230	940	60	2480	3480	3160	320	1207	2403	3610	164	0	9	0	9
2719	8040	26	10.88	1230	0	1230	940	60	2510	3510	3190	320	1191	2399	3590	165	0	8	0	8
2725	8010	27	10.91	1230	0	1230	950	59	2530	3539	3219	321	1191	2399	3590	166	0	9	0	9
2730	8010	28	10.93	1220	0	1220	950	59	2490	3499	3178	320	1185	2405	3590	166	0	9	0	9
2731	7980	29	10.98	1220	0	1220	940	59	2440	3439	3118	321	1180	2409	3590	166	0	9	0	9
2737	7820	30	10.92	1080	0	1080	950	59	2180	3189	2867	322	1180	2410	3590	166	0	9	0	9
2744	7170	31	10.93	880	0	880	930	59	1680	2669	2346	323	1109	2421	3530	152	0	11	0	11
2739	6580	SER. 1	10.90	950	0	950	750	59	1770	2579	2257	322	1083	2417	3500	123	0	123	0	10
2737	6580	2	10.72	1000	0	1000	620	59	1860	2539	2217	322	1065	2415	3480	123	0	123	0	9
2737	6720	3	10.84	1000	0	1000	630	59	1830	2519	2197	322	1085	2415	3500	123	0	123	0	9
2743	6530	4	10.83	1000	0	1000	630	59	1820	2509	2186	323	1060	2420	3480	123	0	123	0	9
2640	6320	5	10.88	990	0	990	630	59	1790	2479	2079	400	0	2240	2240	123	0	123	0	9
2755	5680	6	10.78	970	0	970	630	59	1770	2459	2135	324	639	2431	3070	123	0	123	0	9
2743	6690	7	10.92	970	0	970	630	59	1720	2459	2136	323	920	2420	3340	123	0	123	0	9
2745	6450	8	10.88	960	0	960	630	59	1730	2419	2096	323	828	2422	3250	123	0	123	0	9
2767	6240	9	10.84	940	0	940	630	59	1710	2399	2074	325	918	2442	3260	123	0	123	0	9
2803	6190	10	10.77	940	0	940	630	59	1720	2409	2079	330	847	2473	3320	123	0	123	0	9
2807	6190	11	10.74	940	0	940	630	59	1730	2419	2089	330	843	2477	3320	123	0	123	0	9
2799	6190	12	10.82	940	0	940	630	59	1740	2429	2100	329	560	2470	3030	123	0	123	0	11
2793	6010	13	10.84	940	0	940	630	60	1700	2390	2061	329	316	2464	2780	123	0	123	0	244
2803	5760	14	10.88	930	0	930	630	60	1630	2320	1990	330	197	2473	2670	123	0	123	0	282
2479	5320	15	11.03	910	0	910	620	60	1610	2290	1701	589	0	1890	1890	123	0	124	0	282
2760	4850	16	10.99	910	0	910	620	60	1560	2240	1840	400	0	2360	2360	124	0	124	0	280
2660	5060	17	10.94	900	0	900	620	60	1550	2230	1830	400	0	2260	2260	124	0	124	0	280
2679	4850	18	10.84	890	0	890	620	60	1470	2150	1471	679	0	2000	2000	124	0	124	0	293
2615	4420	19	10.67	890	0	890	610	60	1380	2050	1395	655	0	1960	1960	124	0	123	0	324
2360	4380	20	10.48	880	0	880	610	65	1350	1975	1575	400	0	1960	1960	123	0	123	0	324
2370	4510	21	10.36	860	0	860	600	0	1300	1900	1500	400	0	1970	1970	123	0	123	0	326
2360	4690	22	10.32	890	0	890	600	0	1260	1860	1460	400	0	1970	1970	123	0	123	0	324
2370	4800	23	10.30	890	0	890	600	0	364	754	354	400	0	1960	1960	123	0	123	0	326
2370	4760	24	10.32	900	0	900	290	0	0	290	0	290	0	1910	1910	123	0	123	0	326
2250	3470	25	10.45	900	0	900	290	0	0	290	0	290	0	1870	1870	123	0	123	0	326
2200	3220	26	10.44	900	0	900	290	0	0	290	0	290	0	1870	1870	123	0	123	0	324
2160	3200	27	10.35	890	0	890	290	0	0	290	0	290	0	1870	1870	123	0	123	0	324
2160	3240	28	10.28	890	0	680	440	0	0	440	40	400	0	1810	1810	123	0	123	0	324
2270	3260	29																		

DATE	JAKE L'LCOTT Contents Ac.Ft.	CANAL CO.			TWIN FALLS CAN. CO.			MILNER LOW LIFT			SNAKE R AT MILNER			
		MINI	TOTAL	STOR.	NORM.	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL	STOR.	NORM.	TOTAL
AUG 15	94020	150	3520	3197	323	1187	2423	3610	165	8	0	9	0	9
16	94490	1540	3520	3197	323	1199	2421	3620	164	9	0	9	0	9
17	93900	1540	3520	3227	323	1200	2420	3620	163	1	0	1	0	1
18	94250	1540	3490	3199	321	1208	2412	3620	164	0	164	1	0	1
19	94950	1540	3480	3170	320	1207	2403	3610	165	9	0	9	0	9
20	95070	1510	3510	3160	320	1191	2399	3590	166	9	0	9	0	9
21	94490	1480	3539	3190	320	1191	2399	3590	166	9	0	9	0	9
22	94720	1410	3499	3178	321	1185	2405	3590	166	8	0	8	0	8
23	94600	1310	3439	3118	321	1181	2409	3590	166	0	166	11	0	11
24	94600	1310	3189	2867	321	1180	2410	3590	166	0	166	9	0	9
25	95180	1310	2669	2346	322	1155	2415	3570	166	0	166	9	0	9
26	95310	1310	2579	2257	323	1109	2421	3530	152	0	152	9	0	9
27	95310	1250	2539	2217	322	1083	2417	3500	123	0	123	9	0	9
28	94600	1150	2519	2197	322	1065	2415	3480	123	0	123	9	0	9
29	93320	1120	2509	2186	323	1085	2415	3500	123	0	123	9	0	9
30	95310	1120	2479	2079	400	1060	2420	3480	123	0	123	10	0	10
31	95180	1130	2459	2135	324	639	2240	2240	123	0	123	9	0	9
SER 1	94840	1120	2459	2136	323	920	2420	3340	123	0	123	9	0	9
2	93550	1120	2459	2136	323	828	2422	3250	123	0	123	9	0	9
3	94370	1150	2419	2096	323	918	2442	3760	123	0	123	9	0	9
4	94370	1150	2399	2074	325	847	2473	3320	123	0	123	9	0	9
5	94370	1120	2409	2079	330	843	2477	3320	123	0	123	9	0	9
6	93790	1120	2419	2089	330	843	2477	3320	123	0	123	9	0	9
7	93200	1110	2429	2100	329	560	2470	3030	123	0	123	9	0	9
8	93440	1030	2390	2061	329	316	2464	2780	123	0	123	9	0	9
9	93440	890	2320	1990	330	197	2473	2670	123	0	123	9	0	9
10	94370	749	2290	1701	589	0	1890	1890	123	0	123	11	0	11
11	95070	749	2240	1840	400	0	2360	2360	124	0	124	244	0	244
12	95180	749	2230	1830	400	0	2260	2260	124	0	124	282	0	282
13	94600	747	2150	1471	679	0	2000	2000	124	0	124	282	0	282
14	93550	747	2050	1395	655	0	1960	1960	124	0	124	280	0	280
15	93200	745	1975	1575	400	0	1960	1960	124	0	124	280	0	280
16	92620	743	1900	1500	400	0	1970	1970	123	0	123	293	0	293
17	91810	741	1880	1480	400	0	1960	1960	123	0	123	324	0	324
18	90990	738	1860	1460	400	0	1970	1970	123	0	123	324	0	324
19	90290	736	754	354	400	0	1970	1970	123	0	123	326	0	326
20	88200	730	290	0	290	0	1960	1960	123	0	123	324	0	324
21	87270	728	290	0	290	0	1910	1910	123	0	123	326	0	326
22	86330	760	290	0	290	0	1870	1870	123	0	123	326	0	326
23	84940	783	290	0	290	0	1870	1870	123	0	123	326	0	326
24	82860	795	440	40	400	0	1870	1870	123	0	123	324	0	324
25	80490	815	740	340	400	0	1810	1810	123	0	123	324	0	324
26	76770	766												
27														
28														
29														
30														
TOTAL						293198	89808		20519			8678		

52  
53      Listed here from Plate 21 under heading "stored balance Rexburg station"

CAN	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	JULY	1	2	3	4	5	6	7	8	9	10	11	12	13						
SWAN VA	1																																			
RILEY		2	0	3	3	3	3	3	3	3	2	1						3	8	1	15	0	12	16	16	21	26	25	26	17						
PROGRESS																		96	195	189	182	169	186	61	60	59	57	55	164	161	160					
FARMERS																		4	23	37	33	35	35	33												
ENTERPRISE																																				
MATTSON																																				
BRUNSBURG																																				
HARRISON																																				
RUDY & E																																				
BURGESS																																				
KITE & N																		23	20	24	16	14	11	9	7	14	2	46	40	36	39	38	45			
LOWDER	6																																			
SUNNYDALE																																				
LENROOT																																				
REID																																				
HILL-PETT																																				
DILTS																																				
HENRYS F																																				
BUTTE 8	1																																			
OSGOOD																																				
BEAR ISL																																				
SMITH																																				
KENNEDY'S	14	7	3	0	3	8	8	8	8	8	8	8	8	8	8	8		0	3	20	20	20	20	20	20	20	20	20	20	20	20	20	20			
IDAHOT																																				
MARTIN	7	7	7	3	3	3	3	3	3	3	3	3	3	3	3	3	0																			
NEW SWELL																		0	3	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		
WOODVILLE																																				
SNAKE RIV																																				
10% PENALTY																																				
TOTAL HEISLER	21	14	10	3	8	11	14	14	6	3	3	2	1	0	0	0	0	3	43	44	188	330	227	316	334	338	241	267	441	499	624	1226	1733	1714		
RESERVAT.																																				
BLACKFOOT																																				
NEW LAVA																																				
PEOPLES																																				
ABERDEEN																																				
CORBETT																																				
RIVERSIDE																																				
TREGO																																				
10% PENALTY																																				
TOTAL SHELLER																																				
MINIDOKA	92	295	285	333	0	509	559	1012	990	302	0	0	0	0	0	0	0	73	814	884	1074	2196	2806	2820	2589	2650	2560	2300	2247	2255	2356	2560	2260	2850	2840	2
MILNER	102	150	149	148	148	147	137	135	124	123	124	123	123	123	142	148	147	145	145	146	150	160	159	160	161	161	162	161	162	162	160	162	162	123		
TWIN FALLS	10	360	350	310	260	250	240	240	180	170	80	0	0	0	50	180	320	430	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400		
NORTH SIDE	10	901	1217	2101	692	310	429	2230	2840	2760	2750	758	140	180	210	230	250	330	340	533	1709	2814	2970	3010	3092	3100	3102	3114	3131	3093	3073	3058	3140	3205	3244	3
GOODING	10	1160	1160	1160	1160	1150	1160	1160	1160																											

DAILY STORAGE DIVERSIONS 1939

**24-HOUR SECOND DIVISION  
EXCEPT AS NOTED**



14	15	16	18	19	20	21	22	23	24	25	26	27	28	29	30	NO.	TOTAL SEC. FT.	TOTAL AC-FT.	JACKSON AC-FT.	JACKSON AC-FT.	AM. FALLS RIGHT AC-FT.	OTHER RIGHTS AC-FT.	PERSONAL PURCHASES AC-FT.	TOT. RIGHT AC	
3	3											0	4	5	3	419	831	896	0	0	0	0	876		
14	12	1													4	1379	2735	2949	1200	1163	0	0	0	0	
24	236	24													5	9141	18131	19550	0	22142	0	0	900	3	
35	30	3													6	935	1855	2000	2000	0	0	0	2897	24	
121	119	12	59	51	48	46	48	52	64	59	55	58	51		7	5607	11120	11991	6100	0	15417	0	0	0	0
-3	-1	0													8	54	106	114	0	0	0	0	-9586	11	
49	49	47													9	-34	-67	-72	0	0	0	0	0	0	
145	158	154													10	8342	16546	17841	5000	18179	0	0	0	0	
84	38	38													11	2821	5595	6034	2000	3031	0	0	230	23	
104	98	100													12	7873	15655	16880	5120	11997	0	0	1062	4	
															13	-58	-115	-124	0	0	0	0	0	0	
															14	400	793	855	1040	0	0	0	0	0	0
															15	1217	3405	3671	4000	0	0	0	0	0	1
															16	4563	9051	9759	3000	6826	0	0	0	4	
		2													17	0	0	0	0	3002	0	0	0	0	
294	245	340	65	80	88	114	186	181	179	177	177	177	174	156	118	18	27	53	57	0	0	0	0	-1800	2
87	87	87	0	0	74	74	74	74	74	74	74	74	74	73	71	20	733	1453	1567	0	1567	0	0	0	1
3	3	2													21	22029	43693	47110	0	42367	0	0	1139	42	
1															22	6258	12413	13386	0	5806	0	0	7580	13	
															23	6885	13656	14724	0	24027	0	0	4627	28	
															24	101	200	216	0	330	0	0	0	0	
															25	264	524	565	355	0	0	0	360	0	
															26	3840	7616	8212	0	39588	0	0	-2100	37	
															27	2220	4403	4748	1500	3300	0	0	0	4	
															28	22299	44229	47490	5000	43239	0	0	470	48	
															29	3738	7414	7994	0	13200	0	0	-4200	9	
			5	3	2	2	8	21	34	34	34	34	34	30	21412	42470	45795	15000	40552	0	0	0	55		
			-1	0	0									31	-402	-797	-860	0	0	0	0	0	0		
															32										
1923	1818	1938	124	131	215	237	310	310	339	369	375	393	383	318	225	33	132209	262226	282748	51315	295853	5487	1964	354	
															34										
															35	-128	-254	-274	0	0	0	0	0	0	
															36	1621	3215	3467	0	22053	0	0	-5800	17	
															37	802	1590	1714	0	714	0	0	1000	1	
															38	17860	35425	38205	8000	34132	0	0	5000	47	
															39	60816	120626	130080	42685	74800	0	0	15000	132	
															40	1675	3322	3582	0	5868	0	0	-1000	4	
															41	-169	-335	-361	0	0	0	0	0	0	
															42	311	617	666	0	2145	0	0	0	2	
															43	-313	-621	-670	0	0	0	0	102	0	
															44										
															45	82475	163585	176409	50685	139712	102	14878	205		
															46										
1840	2730	2630	0	6	135	825	884	900	757	708	687	573	703	720	621	47	218228	432849		325810	75785	0	0	25000	575
151	160	124	124	124	123	123	123	123	123	123	123	123	123	123	48	20519	40699		0	50044	0	0	0	50	
116	1126	1130													49	89808	178132		86590	221788	0	0	0	265	
224	3194	3215	1471	1395	1575	1500	1480	1460	354	0	0	0	0	40	340	50	293198	581550		287980	421818	0	0	0	400
300	1310	1310	890	890	880	860	890	890	900	900	900	900	890	680	0	51	159440								

PLATE NO. 14

## *VOTES*

- ① Rented from Pool.  
 ② From Enterprise Canal Co.  
 ③ 7597 ac.-ft. to Progressive Dist.; 900 ac.-ft. to  
     Riley; 900 ac.-ft. to Rudy; 178 ac.-ft. to  
     Harrison; 49 ac.-ft. from Pool.  
 ④ 52 ac.-ft. from Pool; 178 from Enterprise.  
 ⑤ 900 ac.-ft. from Enterprise; 103 ac.-ft. from Pool.  
 ⑥ Sold to Pool.  
 ⑦ 1384 ac.-ft. from Emma Matilda and  
     9243 ac.-ft. from Two Ocean Lakes.  
     Stored normal flow.  
 ⑧ To Peoples Canal.  
 ⑨ From Corbett Slough Canal.  
 ⑩ From Blackfoot Canal  
 ⑪ To New Lava Side Canal  
 ⑫ 95,910 in Lake Walcott plus 53,000 share  
 ⑬ of gain Nealey to Milner

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
WATER RESOURCES BRANCH

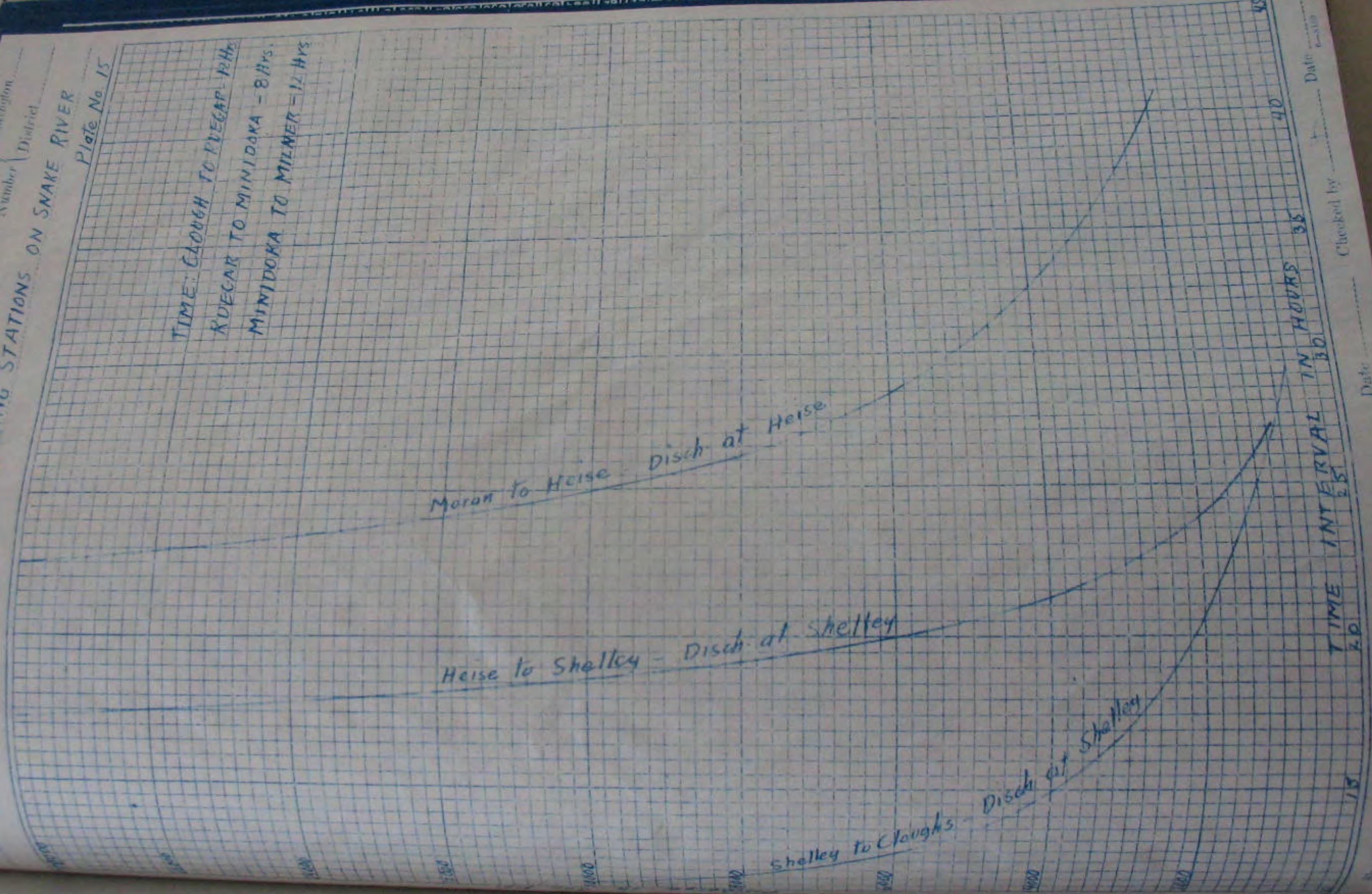
TIME INTERVAL BETWEEN GAGING STATIONS

ON SNAKE RIVER

File Number Washington  
District

Plate No. 15

TIME: CLOOCH TO PRECAF - 12 Hrs  
KUECAR TO MINIDOKA - 8 Hrs.  
MINIDOKA TO MILLER - 12 Hrs





NAME OF CARNAL		FALL RIVER CARNALS		HENRY'S FORT CARNALS		DEWEY		ST. ANTHONY UNION		EGIN		ST. RINTHONY UNION		INDEPENDENT		COUNSOLIOBETZED FARMERS		TOTAL ST. RINTHONY-FEXBURG		WILDFORD		TETON RIVER CARNALS		SIBDOOWAY		TETON RIVER CARNALS		NORTH SLAND FEEDER		PINCOCK-BYNGTON		STEIFWIRT		PIODNEEFER		GOODLUCK		TETON IRIGATION		WILDFORD		TETON IRIGATION		SIBDOOWAY		ISLAND WARD		WOODMANS-JOHNSON		CITY OF REEDBURG		MCORMIC IRIGATION		SHERY-SOMMERS		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
YELLOSTONE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794</td

NAME OF CRNRL		FALL RIVER CRNRLS		DAILY DISCHARGE IN SEC-FT OF HENRYS FORT CRNRLS FOR JULY 1939		PLATE NO. 1	
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
34	35	36	37	38	39	40	41
45	46	47	48	49	50	51	52
54	55	56	57	58	59	60	61
64	65	66	67	68	69	70	71
74	75	76	77	78	79	80	81
84	85	86	87	88	89	90	91
94	95	96	97	98	99	100	101
104	105	106	107	108	109	110	111
114	115	116	117	118	119	120	121
124	125	126	127	128	129	130	131
134	135	136	137	138	139	140	141
144	145	146	147	148	149	150	151
154	155	156	157	158	159	160	161
164	165	166	167	168	169	170	171
174	175	176	177	178	179	180	181
184	185	186	187	188	189	190	191
194	195	196	197	198	199	200	201
204	205	206	207	208	209	210	211
214	215	216	217	218	219	220	221
224	225	226	227	228	229	230	231
234	235	236	237	238	239	240	241
244	245	246	247	248	249	250	251
254	255	256	257	258	259	260	261
264	265	266	267	268	269	270	271
274	275	276	277	278	279	280	281
284	285	286	287	288	289	290	291
294	295	296	297	298	299	300	301
304	305	306	307	308	309	310	311
314	315	316	317	318	319	320	321
324	325	326	327	328	329	330	331
334	335	336	337	338	339	340	341
344	345	346	347	348	349	350	351
354	355	356	357	358	359	360	361
364	365	366	367	368	369	370	371
374	375	376	377	378	379	380	381
384	385	386	387	388	389	390	391
394	395	396	397	398	399	400	401
404	405	406	407	408	409	410	411
414	415	416	417	418	419	420	421
424	425	426	427	428	429	430	431
434	435	436	437	438	439	440	441
454	455	456	457	458	459	460	461
464	465	466	467	468	469	470	471
474	475	476	477	478	479	480	481
484	485	486	487	488	489	490	491
494	495	496	497	498	499	500	501
504	505	506	507	508	509	510	511
514	515	516	517	518	519	520	521
524	525	526	527	528	529	530	531
534	535	536	537	538	539	540	541
544	545	546	547	548	549	550	551
554	555	556	557	558	559	560	561
564	565	566	567	568	569	570	571
574	575	576	577	578	579	580	581
584	585	586	587	588	589	590	591
594	595	596	597	598	599	600	601
604	605	606	607	608	609	610	611
614	615	616	617	618	619	620	621
624	625	626	627	628	629	630	631
634	635	636	637	638	639	640	641
644	645	646	647	648	649	650	651
654	655	656	657	658	659	660	661
664	665	666	667	668	669	670	671
674	675	676	677	678	679	680	681
684	685	686	687	688	689	690	691
694	695	696	697	698	699	700	701
704	705	706	707	708	709	710	711
714	715	716	717	718	719	720	721
724	725	726	727	728	729	730	731
734	735	736	737	738	739	740	741
744	745	746	747	748	749	750	751
754	755	756	757	758	759	760	761
764	765	766	767	768	769	770	771
774	775	776	777	778	779	780	781
784	785	786	787	788	789	790	791
794	795	796	797	798	799	800	801
804	805	806	807	808	809	810	811
814	815	816	817	818	819	820	821
824	825	826	827	828	829	830	831
834	835	836	837	838	839	840	841
844	845	846	847	848	849	850	851
854	855	856	857	858	859	860	861
864	865	866	867	868	869	870	871
874	875	876	877	878	879	880	881
884	885	886	887	888	889	890	891
894	895	896	897	898	899	900	901
904	905	906	907	908	909	910	911
914	915	916	917	918	919	920	921
924	925	926	927	928	929	930	931
934	935	936	937	938	939	940	941
944	945	946	947	948	949	950	951
954	955	956	957	958	959	960	961
964	965	966	967	968	969	970	971
974	975	976	977	978	979	980	981
984	985	986	987	988	989	990	991
994	995	996	997	998	999	1000	1001
1004	1005	1006	1007	1008	1009	1010	1011
1014	1015	1016	1017	1018	1019	1020	1021
1024	1025	1026	1027	1028	1029	1030	1031
1034	1035	1036	1037	1038	1039	1040	1041
1044	1045	1046	1047	1048	1049	1050	1051
1054	1055	1056	1057	1058	1059	1060	1061
1064	1065	1066	1067	1068	1069	1070	1071
1074	1075	1076	1077	1078	1079	1080	1081
1084	1085	1086	1087	1088	1089	1090	1091
1094	1095	1096	1097	1098	1099	1100	1101
1104	1105</td						





# HENRYS FORK

DATE	HENRYS LAKE	HENRYS FORK NEAR LAKE	STORAGE DIVERTED ABOVE ISLAND PARK RES.	DATE	ISLAND PARK RES.	HENRYS FORK NR. ISLAND PARK	STOR. LOSS 13L. PK. TO ASHTON	DATE	HENRYS FORK NEAR ASHTON	STORAGE DIVERTED ASHTON TO ST. ANTHONY	HENRYS FORK AT ST. ANTHONY	STORAG E DIVERTE D ST. ANTHONY TO REBURN				
	Cont. Ac-Ft		Cont. Ac-Ft		STOR	NORM	TOTAL		STOR	NORM	TOTAL	ST. ANTHONY	STOR	NORM	TOTAL	
JUNE 29		34		JUNE 30	132390	123	427	550	3 JULY 1	120	1250	1370	12	120	787	908
30		34		JULY 1	132070	218	427	645	2	213	1097	1310	149	64	887	951
JULY 1		32		2	131670	142	427	569	3	138	1112	1250	149	-11	741	730
2		32		3	131670	105	426	531	4	102	1148	1250	102	0	600	600
3		32		4	131275	54	440	494	5	53	1147	1200	53	0	585	585
4		32		5	131115	0	475	475	6	0	1250	1250	29	-29	722	693
5		32		6	131195	-40	524	484	7	-39	1289	1250	29	-68	807	739
6		32		7	131275	-40	515	475	8	-39	1259	1220	20	-109	734	625
7	53418	32		9	131115	54	430	484	10	53	1167	1220	21	-18	572	554
8	53418	29		10	131035	129	430	559	11	126	1134	1260	80	46	562	608
9		23		11	130245	139	430	564	12	131	1159	1290	400	-269	928	659
10		23		12	129695	297	430	727	13	136	1214	1350	337	-201	843	642
11		23		13	128830	496	430	926	14	290	1190	1480	369	-79	772	693
12		23		14	127965	517	430	947	15	484	1136	1620	469	15	791	806
13		23		15	126875	590	430	1020	16	504	1196	1700	509	-5	811	806
14		23		16	125320	690	430	1120	17	575	1205	1780	499	76	780	856
15		23		17	123860	710	430	1140	18	673	1177	1850	555	118	782	908
16		23		18	122410	710	430	1140	19	692	1138	1830	540	152	756	908
17		23		19	120740	707	433	1140	20	690	1120	1810	704	-12	868	856
18		23	3	20	118860	707	433	1140	21	689	1141	1830	920	-230	1016	786
19		23	3	21	117740	707	433	1140	22	689	1141	1830	937	-248	1034	786
20	52224	16	3	22	116335	707	433	1140	23	689	1141	1830	911	-222	1018	796
21		20	3	23	114865	707	433	1140	24	689	1141	1830	918	-229	1045	816
22		20	3	24	113330	707	433	1140	25	689	1141	1830	921	-232	1058	826
23		20	3	25	111520	707	433	1140	26	690	1140	1830	910	-221	1047	826
24		20	3	26	110440	707	433	1140	27	689	1141	1830	913	-223	1059	836
25		20	3	27	108660	727	433	1160	28	709	1121	1830	924	-265	1061	796
26		20	3	28	106895	757	433	1190	29	738	1132	1870	987	-249	1065	816
27		20	3	29	105150	727	443	1170	30	709	1161	1870	1003	-294	1110	816
28		20	3	30	103420	727	443	1170	31	709	1181	1870	962	-253	1183	930
29		20	3	31	102390	697	453	1150	1 AUG. 1	680	1110	1790	920	-240	1260	1020
30		20	3	1 AUG. 1	101370	497	503	1000	12	485	1215	1700	809	-324	1275	951
31		20	3	2	100015	507	503	1010	13	494	1176	1670	798	-304	1223	919
AUG 1		25	3	3	99010	517	493	1010	14	504	1186	1690	803	-299	1196	897
2	52188	25	3	4	97675	537	483	1020	15	524	1176	1700	714	-190	1162	972
3		24	3	5	96685	557	453	1010	16	543	1147	1690	674	-131	1093	962
4		24	3	6	95695	557	453	1010	17	543	1122	1670	655	-112	1074	962
5		24	3	7	94390	557	453	1010	18	543	1147	1690	633	-90	1100	1010
6		24	3	8	93225	557	453	1010	19	543	1147	1690	600	-57	1107	1050
7		24	3	9	91810	557	453	1010	20	543	1147	1690	578	-35	1095	1060
8		24	3	10	91175	557	453	1010	21	543	1147	1690	579	-36	1106	1070
9		24	3	11	89910	557	453	1010	22	543	1147	1690	572	-29	1079	1050
10		24	3	12	88965	557	453	1010	23	533	1137	1670	614	-81	1101	1020
11		24	3	13	88030	547	453	1000	24	533	1156	1690	668	-134	1106	972
12		24	3	14	87100	547	453	1000	25	534	1156	1690	664	-131	1071	940
13		24	3	15	86850	547	453	1000	26	533	1157	1690	694	-161	1037	876
14		24	3	16	85930	547	453	1000	27	533	1137	1670				
15	51077	24	3													

b Includes Fall River diversions.

T - DAILY SEGREGATION OF FLOW 1939

24 HOUR

SECOND FEET EXCEPT AS NOTED

DATE	HENRYS LAKE	HENRY'S FORK NEAR LAKE	STORED BALANCE REXBURG STATION	DATE
	Cont. Ac.Ft.			
JUNE 29			120	JULY 2
30		3	26	
JULY 1		4	-45	
2		5	-20	
3		6	-19	
4		7	-53	
5		8	-108	
6		9	-134	
7	53418	10	-59	
8	53418	11	-19	
9		12	-370	
10		13	-327	
11		14	-294	
12		15	-245	
13		16	-346	
14		17	-305	
15		18	-304	
16		19	-116	
17		20	-159	
18		21	-401	
19		22	-439	
20	52774	23	-460	
21		24	-465	
22		25	-468	
23		26	-437	
24		27	-442	
25		28	-503	
26		29	-473	
27		30	-483	
28		31	-526	
29		AUG. 1	-332	
30		2	-419	
31		3	-520	
AUG 1		4	-531	
2	52188	5	-622	
3		6	-528	
4		7	-462	
5		8	-374	
6		9	-393	
7		10	-350	
8		11	-301	
9		12	-258	
10		13	-264	
11		14	-256	
12		15	-308	
13		16	-348	
14		17	-376	
15	51077	18	-434	

DATE	HENRYS LAKE	HENRY'S FORK NEAR LAKE	STORAGE DIVERTED ABOVE ISLAND PARK RES.	DATE	ISLAND PARK RES.	HENRY'S FORK NR. ISLAND PARK	STOR. LOSS TO ASHTON	DATE	HENRYS NEAR A	
	Cont. Ac.Ft.					Cont. Ac.Ft.	STOR.	NORM.	TOTAL	
AUG. 16				AUG. 17	84840	547	453	1000	14	AUG. 18
17		28	3	18	83750	546	453	999	14	19
18		28	3	19	82675	546	453	999	14	20
19		28	3	20	81490	541	453	994	14	21
20		28		21	80310	544	450	994	14	22
21		28		22	79150	549	450	994	14	23
22		28		23	78115	544	450	994	14	24
23		28		24	77030	544	450	994	13	25
24		33		25	76020	539	450	989	13	26
25		28		26	75020	650	450	1100	16	27
26		28		27	73590	690	450	1140	17	28
27		28		28	72340	690	450	1140	17	29
28		28		29	70955	690	450	1145	17	30
29		28		30	69960	680	450	1130	17	31
30		28		31	68665	680	450	1130	17	SEP. 1
31		28		SEP. 1	67290	680	450	1130	17	2
SEP. 1				2	65945	680	450	1130	17	3
2		23		3	64580	690	440	1130	17	4
3		23		4	63280	680	440	1120	17	5
4		23		5	61870	680	440	1120	17	6
5		23		6	60720	590	440	1030	15	7
6		23		7	59450	549	440	989	14	8
7	49555	20		8	58520	544	440	984	14	9
8		20		9	57420	554	430	984	14	10
9		20		10	56395	548	430	978	14	11
10		20		11	55340	548	430	978	14	12
11		20		12	54260	460	430	890	11	13
12		20		13	53650	346	450	796	9	14
13		20		14	53045	233	450	683	6	15
14		20	3	15	52925	116	453	569	3	16
15		20	3	16	52685	69	453	522	2	17
16		20	3	17	52685	51	443	494	1	18
17		20	3	18	52445	42	433	475	1	19
18		20	3	19	52365	19	433	452	0	20
19		20	3	20	52285	-3	419	416	0	21
20		20	3	21	52285	-3	414	411	0	22
21		20	2	22	52365	-2	426	424		23
22		20		23	52445	0	429	429		24
23	49204	20		24	52605	0	434	434		25
24		18		25	52605	0	434	434		26
25		18		26	52725	0	438	438		27
26		18		27	52725	0	461	461		28
27		18		28	52685	0	461	461		29
28		18		29	52605	0	456	456		30
29		18		30	52685	0	452	452		0
TOTALS				122			40072		1002	39070

Includes Fall A

DAILY SEGREGATION OF FLOW 1939

24 HOUR  
SECOND-FEET EXCEPT AS NOTED

STORED  
BALANCE  
REXBURG  
STATION

120
26
-45
-20
-19
-53
-108
-134
-59
-19
-370
-327
-294
-245
-246
-305
-304
-116
-159
-401
-439
-460
-465
-468
-437
-442
-503
-473
-483
-526
-332
-419
-520
-531
-622
-528
-462
-374
-393
-350
-301
-258
-264
-256
-308
-348
-376
-434

DATE	HENRY'S LAKE	HENRY'S FORK NEAR LAKE	STORAGE DIVERTED ABOVE ISLAND PARK RES.	DATE	ISLAND PARK RES.	HENRY'S FORK NR. ISLAND PARK	STOR. LOSS	ISL. PK.	DATE	HENRY'S FORK NEAR ASHTON	STORAGE DIVERTED ASHTON TO ST. ANTHONY	HENRY'S FORK AT ST. ANTHONY	STORAGE DIVERTED ST. ANTHONY TO REXBURG	DATE	STORED BALANCE REXBURG STATION						
	Cont. Ac-Ft.	28	3		Cont. Ac-Ft.	STOR.	NORM	TOTAL		14 AUG. 18	533	1137	1670	13	145	1021	826	232	1919	-382	
AUG. 16				17	84840	547	453	1000	14	19	532	1138	1670	13	145	1021	826	232	1919	-382	
		28	3	AUG. 17	83750	546	453	999	14	20	532	1138	1670	13	143	1019	826	186	20	-329	
		28	3	18	82675	546	453	999	14	21	527	1143	1670	13	130	996	866	158	21	-288	
		28	3	19	81490	541	453	994	14	22	530	1135	1670	13	126	1042	876	168	22	-324	
		28	3	20	80310	544	450	994	14	23	535	1120	1650	13	113	1032	919	322	23	-452	
		28	22	21	79150	549	450	994	14	24	530	1120	1650	13	94	1013	919	379	24	-490	
		28	23	23	78115	544	450	999	14	25	531	1139	1670	13	108	1038	930	373	26	-423	
		28	23	24	77030	544	450	994	14	26	526	1144	1670	13	96	1056	972	375	27	-481	
		33	25	25	76020	539	450	994	13	27	634	1210	1850	13	18	1102	1120	359	28	-341	
		28	26	26	75020	650	450	1100	16	28	673	1177	1850	13	103	1110	1180	322	29	-252	
		28	27	27	73590	690	450	1140	17	29	673	1157	1830	13	125	1200	237	30	162		
		28	28	28	72340	690	450	1140	17	30	663	1187	1850	13	130	1080	1210	289	31	-109	
		28	29	29	70955	690	450	1140	17	31	663	1182	1850	13	129	1121	1250	249	SEP. 1	-118	
		30	30	30	69960	680	450	1130	17	32	663	1187	1850	13	156	1104	1260	274	2	-118	
		28	31	31	68665	680	450	1130	17	33	663	1167	1830	13	157	1093	1250	289	3	-132	
SEP. 1			SEP. 1		67290	680	450	1130	17	SEP. 1	663	1182	1850	13	125	1200	237	30	162	-109	
		23	2	2	65945	680	450	1130	17	2	663	1187	1850	13	157	1093	1250	289	4	-124	
		23	3	3	64580	690	440	1130	17	3	663	1167	1830	13	145	1075	1240	289	5	-79	
		23	4	4	63280	680	440	1120	17	4	673	1137	1810	13	177	1033	1210	256	6	-60	
		23	5	5	61870	680	440	1120	17	5	663	1167	1830	13	181	1059	1240	241	7	-31	
		23	6	6	60720	590	440	1030	15	6	663	1167	1830	13	207	1043	1250	238	8	-103	
	49553	20	7	7	59450	549	440	989	14	7	575	1115	1690	13	127	1013	1140	230	9	-121	
	20	8	8	8	58520	544	440	984	14	8	535	1155	1690	13	82	1058	1140	203	10	-118	
	20	9	9	9	57420	554	430	984	14	9	530	1140	1670	13	86	1064	1150	204	11	-1	
	20	10	10	10	56395	548	430	978	14	10	540	1130	1670	13	85	135	1055	1190	136	12	0
	20	11	11	11	55340	548	430	978	14	11	534	1156	1690	13	137	1073	1210	137	13	92	
	20	12	12	12	54260	460	430	890	11	12	534	1166	1700	13	385	149	1091	1240	57	13	137
	20	13	13	13	53650	346	450	796	9	13	449	1151	1600	13	312	137	1153	1290	0	14	137
	20	14	14	15	53045	233	450	683	6	14	337	1173	1510	13	287	50	1230	1280	15	50	
	20	15	15	16	52925	116	453	569	3	15	227	1113	1340	13	134	93	1023	1120	16	93	
	20	16	16	17	52685	69	453	522	2	16	113	1087	1200	13	130	1030	1010	17	-20		
	20	17	17	18	52685	51	443	494	1	18	50	1133	1200	13	145	1037	972	18	-65		
	20	18	18	19	52445	42	433	475	1	19	41	1089	1130	13	130	80	1010	930	19	-80	
	20	19	19	20	52365	19	433	452	0	20	19	1091	1110	13	129	-81	996	908	20	-88	
	20	20	20	21	52285	-3	419	416	0	21	-3	1073	1070	13	133	-20	1030	1010	21	-114	
	20	21	21	22	52285	-3	414	411	0	22	-3	1073	1070	13	186	1042	856	22	-186		
	20	22	22	23	52365	-2	426	424	23	23	-2	1092	1090	13	134	-177	1087	908	23	-181	
	20	23	23	24	52445</td																

## STORAG

CANAL NO.	JULY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
USERS ABOVE ISLAND WARK RESERVOIR																														
1																														
2																														
DRONE CREEK CANAL	3																													
SQUIRREL CR. CANAL	4																													
CONVENT CR. CANAL	5																													
YELLOWSTONE	6																													
MARYSVILLE	7																													
FARMERS OWN	8																													
ENTERPRISE	9																													
FALL RIVER CANAL	10																													
McBEE	11																													
CHESTER	12																													
DIXIE	13																													
CROSS-CUT	14																													
DEWEY	15																													
LAST CHANCE	16																													
FARMERS FRIEND	17																													
TWIN GROVES	18																													
SALEM UNION	19																													
	20																													
TOTAL ASHTON TO ST. ANTHONY	21	149	149	102	53	29	29	70	71	80	400	337	369	469	509	499	555	540	704	920	937	911	918	921	910	913	968	979	183	
	22																													
INDEPENDENT	23																													
CONSOLIDATED FARMERS	24																													
TETON BASIN USERS	25	38	34	20	19	24	40	25	41	40	36	34	29	48	47	70	61	58												
CANYON CR. CANAL	26																													
GOOD LUCK	27																													
PIONEER	28																													
STEWART	29																													
TETON ISLAND FEEDER	30																													
ISLAND WARD	31																													
REXBURG IRRIGATION	32																													
	33																													
TOTAL ST. ANTHONY TO REXBURG	34	38	34	20	19	24	40	25	41	65	101	126	215	260	341	381	422	268	147	171	191	238	236	236	216	219	224	208		

Note : For allotments to a



# GE DIVERSIONS BY CANALS ON HENRYS

CANAL NO.	JULY 1946	24 HOUR SECOND-FEET EXCEPT AS NOTED																												
		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	
ABOVE ISLAND RESERVOIR	1	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			
2	5	5	5	6	6	5	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0			
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			
4	1	22	22	22	21	22	21	19	20	20	0	0	21	21	20	20	20	20	20	20	20	19	19	19	19	20	20	2		
5	0	20	21	22	21	21	20	21	21	20	0	0	21	21	20	20	20	20	20	20	20	19	19	19	19	20	20	2		
6	7	167	169	163	156	135	133	129	129	119	119	107	102	86	86	86	104	102	102	86	86	82	82	69	69	6	6	21		
7	5	76	72	72	48	28	36	36	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	32	26	26	21	5	4
8	5	76	72	72	48	28	36	36	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	32	26	26	21	31	31
9	7	139	139	139	140	138	140	138	140	140	141	141	141	144	146	146	145	144	144	142	142	143	144	144	144	145	144	145	145	145
10	5	15	26	13	0	15	14	15	15	7	13	21	11	3																
11	3	3	3	0	0	0	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2	3	3	3	3	3	
12	9	32	32	32	29	27	24	24	25	10	11	8	13	13	13	12	10	14	14	14	14	9	9	3	6	9	10	5		
13																														
ROSS-CUT	14	6	94	127	131	151	87	94	102	14	4	17	12	4	4	1	1	1	33	63	60	72	71	64	66	71	78	75	86	
15	2	12	12	12	12	12	13	15	15	15	15	14	13	13	13	13	12	12	12	10	12	14	14	14	14	14	14	14	14	
CHANCE	16	5	65	65	65	60	54	52	52	50	50	50	48	48	44	44	44	44	44	42	44	50	50	50	50	50	50	50	50	50
FARMERS FRIEND	17	7	57	57	65	56	49	35	36	36	36	36	28	20	17	10	10	10	9	12	14	17	27	30	30	30	51	15	17	6
VIN GROVES	18	6	94	88	65	65	61	58	63	61	68	63	61	56	59	61	61	59	61	60	60	63	63	61	61	69	60	66	66	66
HEM UNION	19	3	183	162	152	152	149	144	147	145	140	148	147	136	132	132	131	140	142	140	145	145	148	148	149	149	154	136	136	
TOTAL ASHTON TO ANTHONY	21	4	987	1003	962	920	809	798	803	714	674	655	637	633	600	578	579	572	614	668	664	674	678	675	662	693	656	648	624	
DEPENDENT	23	1	102	100	0	105	138	138	238	253	247	176	197	155	140	160	165	173	173	162	193	194	158	110	82	82	152	205	205	
CONSOLIDATED FARMERS	24	1	132	132	79	74	58	89	85	85	84	86	102	105	104	63	63	54	54	52	52	79	79	76	76	86	174	172	172	172
TON BASIN USERS	25																													
UNION CR. CANAL	26																													
GOOD LUCK	27																													
PIONEER	28																													
STEWART	29																													
TON ISLAND FEEDER	30																													
ISLAND WARD	31																													
REXBURG IRRIGATION	32																													
REXBURG ST. ANTHONY	33																													
REXBURG	34	234	232	79	179	176	227	323	338	331	262	299	260	244	223	228	227	227	214	245	273	237	186	158	168	326	377	379		

# FORK AND TRIBUTARIES 1939

CANAL AND ABOVE ISLAND RESERVOIR	NO.	JULY	25 26 27 28 29					SEA	1939																		
			1	2	3	4	5		6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21			
1	1																										
2	2																										
LINE GREEN CANAL	3																										
MARVEL CR. CANAL	4																										
MOUNT CR. CANAL	5	0	20	20	20	20	20	20	19	19	12	12	12	12	0												
MOUNTAIN STONE	6	4	11	11	11	10	10	10	10	10	11	11	10	10	10	10	10	10	10	10	10	10	10	10	10		
MUSKIEVILLE	7	7	69	72	72	72	72	72	48	47	47	46	46	46	46	46	51	51	45	45	45	38	25				
NAMERS OWN	8	2	26	26	26	26	26	26	25	25	23	23	21	21	21	21	21	21	22	22	20						
NEPRISE	9	7	143	143	143	143	145	145	145	145	144	143	142	141	140	141	142	142	143	143	146	149	142	134	133	132	
NEW RIVER CANAL	10																										
OBEE	11	0	2	2	2	2																					
OCITER	12	0	11	12	5	4	5	4	3	3	4	4	2	2	2	2											
OLIVEY	13								4	5	5	6	6	5	5	4	4	4	5	6	5	4	3				
MISS-CUT	14	6	92	100	107	106	98	65	63	63	62	62	62	62	62	67	74	78	68	39	38	32	0				
ONEWEY	15	5	15	15	13	13	13	13	14	0																	
OUT CHANCE	16	7	47	48	48	46	44	44	44	43	42	41	40	38	36	33	30	30	30	30	30	30					
WARRNERS FRIEND	17	0	7																								
WIN GROVES	18	5	60	24	21	21	21	20	26	24	24	23	23	22													
WLEM UNION	19	5	136	139	148	136	139	120	120	121	124	127	131	124	118	116	115	116	116	117	110	103	100				
WRL ASHTON TO ANTHONY	20																										
21	14	639	612	616	603	598	543	534	507	506	498	496	482	456	448	453	444	405	397	385	312	287	134	133	132	130	
22																											
DEPENDENT	23	7	213	215	199	154	71	73	81	103	118	118	85	85	96	96	78	78	10	10	10						
CONSOLIDATED FARMERS	24	"	160	160	160	168	166	166	171	171	171	171	156	142	134	125	126	126	127	47							
TON BASIN USERS	25																										
MONYON CR. CANAL	26																										
GOOD LUCK	27																										
PIONEER	28																										
STEWART	29																										
STATION ISLAND FEEDER	30																										
LAND WARD	31																										
ELBURG IRRIGATION	32																										
33																											
TOTAL ST. ANTHONY REXBURG	34	373	375	359	322	297	239	247	274	289	289	256	241	238	230	203	204	136	137	57							

## PLATE NO. 22

	22	23	24	25	26	27	28	29	30	No.	TOTAL SEC.-FT.	TOTAL ACRE-FT.
CANAL ABOVE ISLAND RESERVOIR										1	122	242
GREEN CANAL										2		
CR. CANAL										3	111	220
INT CR. CANAL										4	132	262
LIMESTONE	5	4	4	4	4	4	4	4	5	1237	2453	
MUSKILLIE	25	25	25	25	25	25	25	20	6	819	1624	
OWNERS OWN	7	7	7	7	4	2			7	7457	14790	
APPRISE	128	128	128	128	128	128	116	103	8	2919	5790	
RIVER CANAL									9	10564	20954	
REEF									10	236	468	
STIER									11	72	143	
ST-CUT									12	591	1172	
CHANCE	13	13	13	13	13	14	15	16	17	2151	4267	
W FRIEND									18	2991	5933	
GROVES									19	7973	15814	
W UNION									20			
W ASHTON TO ANTHONY	178	177	177	177	174	156	118		21	45215	89681	
DEPENDENT									22			
VALIDATED FARMERS									23	7751	15374	
W BASIN USERS									24	6538	12968	
INT CR. CANAL									25	664	1317	
LUCK									26	209	415	
NEER									27	48	95	
EWART									28	15	30	
W ISLAND FEEDER									29	18	36	
ND WARD									30	167	331	
BURG IRRIGATION									31	434	861	
AL ST. ANTHONY									32	40	79	
REXBURG									33			
									34	15884	31506	

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Plates No. 23	
													Period	Year
1	398,270	424,060	450,550	479,340	506,090	523,070	558,370	627,480	627,000	636,620	636,700	386,700	386,700	386,700
2	398,490	425,180	451,910	489,260	507,010	534,000	559,550	583,070	583,070	583,070	583,070	583,070	583,070	583,070
3	398,710	426,540	453,280	481,180	507,710	534,940	560,490	643,600	643,600	646,210	646,210	646,210	646,210	646,210
4	398,710	428,570	454,640	482,100	508,640	535,870	561,440	652,520	652,520	627,480	627,480	627,480	627,480	377,170
5	398,490	430,150	455,780	483,010	510,040	526,340	561,240	661,240	661,240	648,000	648,000	648,000	648,000	372,300
6	398,490	431,050	456,690	485,930	511,660	536,810	563,560	671,170	671,170	648,000	648,000	648,000	648,000	360,000
7	398,710	431,950	457,600	484,620	512,820	537,750	564,500	678,470	678,470	646,460	646,460	646,460	646,460	354,080
8	398,710	432,850	458,510	485,320	513,750	538,680	565,440	684,810	684,810	647,000	647,000	647,000	647,000	348,170
9	399,380	433,760	459,190	486,010	514,920	539,620	566,150	692,860	692,860	648,250	648,250	648,250	648,250	341,880
10	400,280	434,430	460,700	489,470	518,170	542,450	568,270	715,420	715,420	620,010	620,010	620,010	620,010	337,320
11	401,170	435,110	460,560	488,090	517,010	541,720	567,560	708,050	846,460	824,580	561,670	334,060	334,060	334,060
12	402,070	435,780	461,010	489,470	518,170	542,450	568,270	715,420	846,210	820,010	554,370	332,110	332,110	332,110
13	402,740	456,460	490,390	490,390	519,100	543,560	569,450	722,800	846,460	813,690	546,870	330,590	330,590	330,590
14	403,410	437,140	462,160	491,320	520,730	541,320	560,060	730,620	847,230	806,870	539,150	330,370	330,370	330,370
15	404,750	437,810	462,850	492,240	522,750	545,470	573,920	751,020	848,250	792,020	523,980	329,940	329,940	329,940
16	407,210	438,720	463,160	493,720	523,750	545,470	573,920	751,020	848,250	792,020	523,980	329,940	329,940	329,940
17	409,670	439,630	464,220	494,090	524,680	546,170	575,570	763,220	848,510	782,970	514,450	329,510	329,510	329,510
18	411,240	440,540	464,910	495,010	525,610	546,870	576,750	775,450	848,250	774,700	504,470	329,290	329,290	329,290
19	411,910	441,230	465,820	496,160	526,070	547,570	577,940	786,230	850,300	763,300	494,780	328,640	328,640	328,640
20	412,580	442,140	466,740	497,320	526,540	548,250	576,260	762,760	848,250	780,310	485,320	328,420	328,420	328,420
21	413,250	443,040	467,890	498,240	527,930	548,980	583,150	801,150	848,250	744,550	476,140	328,200	328,200	328,200
22	414,140	443,950	468,800	498,350	527,930	548,980	583,150	801,150	848,250	736,400	467,660	327,770	327,770	327,770
23	415,260	444,640	469,720	499,630	528,860	548,980	583,150	808,900	848,250	726,750	459,640	326,050	326,050	326,050
24	416,160	445,220	470,090	500,090	529,560	549,150	584,200	822,030	848,250	715,420	451,000	323,470	323,470	323,470
25	417,060	446,680	472,470	501,010	530,960	551,150	585,230	828,110	848,250	693,190	423,600	321,540	321,540	321,540
26	417,970	447,640	473,620	501,470	531,660	552,490	586,270	828,140	848,250	693,190	414,590	316,180	316,180	316,180
27	418,640	448,050	474,990	501,990	531,660	553,170	587,230	828,140	848,250	693,190	423,600	316,180	316,180	316,180
28	419,640	448,730	475,070	502,070	532,080	554,190	588,230	829,110	848,250	693,190	406,320	312,530	312,530	312,530
29	420,450	449,730	476,140	502,140	532,080	554,190	588,230	829,110	848,250	693,190	398,710	313,170	313,170	313,170
30	421,580	450,410	477,280	503,020	533,070	555,070	589,070	830,070	847,480	694,660	392,240	312,530	312,530	312,530



Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.
1	2530	2010	1470	1320	1220	1120	1020	920	820	720	620	520
2	2370	1910	1490	1340	1200	1120	1060	960	860	760	660	560
3	2240	1830	1510	1380	1170	1120	1060	960	860	760	660	560
4	2180	1920	1500	1360	1170	1120	1060	960	860	760	660	560
5	2160	1890	1480	1340	1230	1120	1060	960	860	760	660	560
6	2130	1630	1520	1270	1270	1260	1260	1300	1300	1340	1340	1340
7	2070	1630	1530	1270	1270	1260	1260	1300	1300	1340	1340	1340
8	2120	1620	1530	1270	1270	1260	1260	1300	1300	1340	1340	1340
9	2120	1650	1530	1270	1270	1260	1260	1300	1300	1340	1340	1340
10	1980	1670	1540	1300	1300	1250	1250	1250	1250	1240	1240	1240
11	1920	1640	1510	1340	1340	1250	1250	1250	1250	1240	1240	1240
12	1910	1640	1480	1320	1320	1250	1250	1250	1250	1240	1240	1240
13	1860	1640	1370	1310	1310	1260	1260	1260	1260	1240	1240	1240
14	1820	1630	1260	1260	1300	1250	1250	1250	1250	1240	1240	1240
15	1940	1630	1240	1290	1290	1250	1250	1250	1250	1240	1240	1240
16	2100	1630	1230	1280	1280	1240	1240	1240	1240	1230	1230	1230
17	2350	1610	1210	1310	1310	1220	1220	1220	1220	1210	1210	1210
18	2200	1580	1200	1310	1310	1250	1250	1250	1250	1230	1230	1230
19	2040	1560	1280	1360	1360	1250	1250	1250	1250	1230	1230	1230
20	1950	1500	1350	1280	1280	1380	1380	1380	1380	1350	1350	1350
21	1930	1450	1360	1270	1270	1420	1420	1420	1420	1440	1440	1440
22	1910	1440	1380	1270	1270	1430	1430	1430	1430	1440	1440	1440
23	1880	1430	1430	1220	1220	1480	1480	1480	1480	1550	1550	1550
24	1840	1400	1410	1140	1140	1400	1400	1400	1400	1440	1440	1440
25	1800	1380	1340	1110	1110	1340	1340	1340	1340	1740	1740	1740
26	1780	1360	1270	1200	1200	1240	1240	1240	1240	1750	1750	1750
27	1770	1300	1200	1240	1240	1270	1270	1270	1270	1770	1770	1770
28	1750	1230	1250	1130	1130	1240	1240	1240	1240	1730	1730	1730
29	1730	1210	1270	11240	11240	1240	1240	1240	1240	1740	1740	1740
30	1740	1390	1300	1240	1240	1250	1250	1250	1250	1900	1900	1900
31												

STATION DISCONTINUED March 21

For the year ending December 31  
SIXTY NINE YEARS QUESNE HOLLOW HIGH ALTITUDE, WYO.  
Plate No. 12

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep't.
1	304	342	269	213	269	220	260	318	300	304	309	309
2	304	342	269	213	269	232	264	318	300	304	304	304
3	309	309	300	260	220	232	264	244	228	248	286	309
4	304	304	314	240	244	240	244	240	220	248	269	304
5	309	309	304	252	252	252	256	256	252	252	269	304
6	314	314	314	244	244	244	240	240	220	244	269	328
7	304	304	304	256	256	256	252	252	252	252	256	347
8	352	352	352	252	252	252	256	256	252	252	256	352
9	347	300	300	194	194	194	190	190	190	194	244	328
10	328	269	269	244	244	244	240	240	220	244	269	328
11	314	256	256	244	244	244	240	240	220	244	269	328
12	304	252	252	183	183	183	180	180	160	184	220	314
13	304	252	252	183	183	183	180	180	160	184	220	314
14	300	252	252	198	198	198	190	190	170	194	224	314
15	320	220	220	220	220	220	220	220	200	224	244	304
16	337	264	264	264	264	264	264	264	240	264	286	337
17	388	252	252	252	252	252	256	256	230	252	284	388
18	337	256	256	256	256	256	256	256	230	256	284	337
19	314	224	224	224	224	224	224	224	200	224	244	314
20	304	205	205	205	205	205	205	205	180	204	248	304
21	300	216	216	216	216	216	216	216	194	214	244	300
22	295	205	205	205	205	205	205	205	180	205	248	295
23	295	205	205	205	205	205	205	205	180	205	248	295
24	291	213	213	213	213	213	213	213	190	213	248	291
25	291	232	232	232	232	232	232	232	190	232	248	291
26	286	228	228	228	228	228	228	228	190	228	244	286
27	286	228	228	228	228	228	228	228	190	228	244	286
28	282	224	224	224	224	224	224	224	190	224	240	282
29	292	219	219	219	219	219	219	219	190	219	240	292
30	30	216	216	216	216	216	216	216	190	216	240	30
31	31	209	209	209	209	209	209	209	190	209	231	31

STATION APRIL 15  
DISCONTINUED

4000 ft.

For the gauge reading September 30, 1926  
Plate No. 26

Chart discharge in acre-feet per sec.

Gauge height over A.I.F.L. 100 ft.

88,630

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Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.
123	6320	5600	7780	4660	11400	12900	10500	9650	11000	15700	10500	4240
124	5250	5300	7040	5350	12300	11900	10400	5600	12300	11900	10400	4660
125	5500	5970	9420	4330	12700	11400	13200	4660	12700	11400	13200	4420
126	5970	6260	9640	4220	10500	9840	10500	4990	10500	9840	10500	4420
127	5970	6300	9870	4420	12200	11200	10200	5660	12200	11200	10200	48160
128	6300	6400	8640	48160	10100	9230	9230	7660	10100	9230	9230	8160
129	6400	6500	8890	48160	10200	9330	9330	7780	10200	9330	9330	8190
130	6500	6600	8160	8160	10100	9330	10200	7660	10100	9330	10200	8070
131	6600	6700	9740	7400	10500	9740	10400	8370	10500	9740	10400	7400
132	6700	6800	8580	8580	10000	8610	10000	8580	10000	8610	10000	8040
133	6800	6900	8160	8160	10200	9330	10200	7660	10200	9330	10200	8040
134	6900	7000	9740	9740	10500	9740	10400	8370	10500	9740	10400	7400
135	7000	7100	8160	8160	10100	9330	10200	7660	10100	9330	10200	8040
136	7100	7200	9500	9500	10500	9740	10400	8370	10500	9740	10400	7400
137	7200	7300	8640	8640	10200	9330	10200	7660	10200	9330	10200	8040
138	7300	7400	9500	9500	10500	9740	10400	8370	10500	9740	10400	7400
139	7400	7500	8160	8160	10100	9330	10200	7660	10100	9330	10200	8040
140	7500	7600	9500	9500	10500	9740	10400	8370	10500	9740	10400	7400
141	7600	7700	8160	8160	10100	9330	10200	7660	10100	9330	10200	8040
142	7700	7800	9500	9500	10500	9740	10400	8370	10500	9740	10400	7400
143	7800	7900	8640	8640	10200	9330	10200	7660	10200	9330	10200	8040
144	7900	8000	9500	9500	10500	9740	10400	8370	10500	9740	10400	7400
145	8000	8100	8160	8160	10100	9330	10200	7660	10100	9330	10200	8040
146	8100	8200	9500	9500	10500	9740	10400	8370	10500	9740	10400	7400
147	8200	8300	8640	8640	10200	9330	10200	7660	10200	9330	10200	8040
148	8300	8400	9500	9500	10500	9740	10400	8370	10500	9740	10400	7400
149	8400	8500	8160	8160	10100	9330	10200	7660	10100	9330	10200	8040
150	8500	8600	9500	9500	10500	9740	10400	8370	10500	9740	10400	7400
151	8600	8700	8160	8160	10100	9330	10200	7660	10100	9330	10200	8040
152	8700	8800	9500	9500	10500	9740	10400	8370	10500	9740	10400	7400
153	8800	8900	8640	8640	10200	9330	10200	7660	10200	9330	10200	8040
154	8900	9000	9500	9500	10500	9740	10400	8370	10500	9740	10400	7400
155	9000	9100	8160	8160	10100	9330	10200	7660	10100	9330	10200	8040
156	9100	9200	9500	9500	10500	9740	10400	8370	10500	9740	10400	7400
157	9200	9300	8640	8640	10200	9330	10200	7660	10200	9330	10200	8040
158	9300	9400	9500	9500	10500	9740	10400	8370	10500	9740	10400	7400
159	9400	9500	8160	8160	10100	9330	10200	7660	10100	9330	10200	8040
160	9500	9600	9500	9500	10500	9740	10400	8370	10500	9740	10400	7400
161	9600	9700	8160	8160	10100	9330	10200	7660	10100	9330	10200	8040
162	9700	9800	9500	9500	10500	9740	10400	8370	10500	9740	10400	7400
163	9800	9900	8640	8640	10200	9330	10200	7660	10200	9330	10200	8040
164	9900	10000	9500	9500	10500	9740	10400	8370	10500	9740	10400	7400
165	10000	10100	8160	8160	10100	9330	10200	7660	10100	9330	10200	8040
166	10100	10200	9500	9500	10500	9740	10400	8370	10500	9740	10400	7400
167	10200	10300	8640	8640	10200	9330	10200	7660	10200	9330	10200	8040
168	10300	10400	9500	9500	10500	9740	10400	8370	10500	9740	10400	7400
169	10400	10500	8160	8160	10100	9330	10200	7660	10100	9330	10200	8040
170	10500	10600	9500	9500	10500	9740	10400	8370	10500	9740	10400	7400
171	10600	10700	8160	8160	10100	9330	10200	7660	10100	9330	10200	8040
172	10700	10800	9500	9500	10500	9740	10400	8370	10500	9740	10400	7400
173	10800	10900	8640	8640	10200	9330	10200	7660	10200	9330	10200	8040
174	10900	11000	9500	9500	10500	9740	10400	8370	10500	9740	10400	7400
175	11000	11100	8160	8160	10100	9330	10200	7660	10100	9330	10200	8040
176	11100	11200	9500	9500	10500	9740	10400	8370	10500	9740	10400	7400
177	11200	11300	8640	8640	10200	9330	10200	7660	10200	9330	10200	8040
178	11300	11400	9500	9500	10500	9740	10400	8370	10500	9740	10400	7400
179	11400	11500	8160	8160	10100	9330	10200	7660	10100	9330	10200	8040
180	11500	11600	9500	9500	10500	9740	10400	8370	10500	9740	10400	7400
181	11600	11700	8160	8160	10100	9330	10200	7660	10100	9330	10200	8040
182	11700	11800	9500	9500	10500	9						

Day	Oct.	Nov.	Dec.	Jan.	Febr.	Mar.	Apr.	May	June	July	Aug.	Sept.	Accts.	Accts. - Payer	Accts. - Payer 4,406,400
1	3940	3670	2800	2490	2440	2160	4640	12600	18800	12700	17600	11200	9150	6500	6080
2	3790	3630	2810	2530	2360	2160	5220	13100	13100	14200	14200	11200	7840	640	6080
3	3690	3460	2860	2600	2270	2220	5650	13100	17600	12700	12700	91200	9150	6500	7290
4	3530	3520	2830	2630	2270	2220	6440	14000	14000	14400	14400	13000	13000	10700	6080
5	3520	3590	2800	2580	2440	2240	6940	14900	14900	13400	13400	14600	14600	10600	7590
6	3550	3320	2800	2580	2220	2220	6190	14600	14600	13400	13400	14900	14900	10600	7960
7	3480	3100	2800	2680	2410	2180	6190	14600	14600	13400	13400	14900	14900	10600	7960
8	3520	3050	2880	2420	2390	2280	5450	13400	13400	12400	12400	11200	11200	10000	9780
9	3520	3090	2910	270	2330	2260	5240	11500	11100	11100	11100	11100	11100	10900	9780
10	3520	3140	2900	250	2270	2220	5370	11500	11500	12400	12400	12000	12000	10000	9030
11	3440	3100	2860	2680	2200	2260	5300	11800	11800	13400	13400	10100	10100	8640	6470
12	3400	3020	2680	2580	2220	2220	4950	12400	12400	13200	13200	10000	8180	5470	
13	3320	3000	2390	2530	2330	2220	5240	11500	11100	11100	11100	10900	8300	5200	
14	3290	2980	2270	2520	2330	2260	5790	11100	11100	10800	10800	11200	8210	4790	
15	3290	2950	2470	2520	2240	2210	6620	11400	11400	11100	11100	11100	8110	4280	
16	3570	2910	2800	2570	2120	2210	7200	12200	12200	11900	11900	11300	8080	3870	
17	3890	3030	2680	2570	2150	2240	6820	13400	13400	12500	12500	11100	8390	3690	
18	3920	3020	2580	2520	2220	2150	6620	13600	13600	12200	12200	11000	9030	3550	
19	3650	2910	2580	2530	2320	2340	7020	13200	13200	12200	12200	11000	9030	3460	
20	3480	2910	2580	250	2210	2210	7710	12600	12600	12300	12300	11400	8870	3400	
21	3400	2930	2650	250	2210	2210	8140	11400	11400	12000	12000	10700	8710	3380	
22	3360	2780	2650	2420	2210	2210	6930	10800	10800	11200	11200	9940	8420	3420	
23	3320	2680	2570	2280	2160	2210	3020	10400	10400	9610	9610	9910	8180	3500	
24	3290	2610	2550	2390	2160	2310	9940	10900	10900	9880	9880	10400	8050	4280	
25	3250	2800	260	2520	2470	2200	3610	10100	10100	10100	10100	10900	8240	4550	
26	3190	2830	2520	2470	2220	2220	9060	9810	9810	9810	9810	10900	8210	4580	
27	3180	2660	2420	2450	2110	2120	4110	8580	10400	10300	10300	10900	8670	4580	
28	3140	2630	2470	2450	2120	2120	4390	8990	10800	9910	9910	10800	8640	4550	
29	3160	2660	2470	2450	2120	2120	4390	10200	11900	10200	11900	10500	8390	4550	
30	3160	2690	2450	2530	2180	2180	4440	10200	11900	10200	11900	10500	8020	3550	
31	3140	2680	2420	2450	2120	2120	4460	10200	11900	10200	11900	10500	8020	3550	
32	3180	2630	2470	2450	2120	2120	4460	11700	13600	11200	13600	110500	7770	7770	
33	3160	2690	2450	2530	2180	2180	4460	11700	13600	11200	13600	110500	7770	7770	
34	3140	2630	2470	2450	2120	2120	4460	11700	13600	11200	13600	110500	7770	7770	
35	3160	2690	2450	2530	2180	2180	4460	11700	13600	11200	13600	110500	7770	7770	
36	3180	2630	2470	2450	2120	2120	4460	11700	13600	11200	13600	110500	7770	7770	
37	3160	2810	2530	2360	2160	2160	4640	12600	18800	12700	17600	11200	9150	6500	7290
38	3530	3520	2830	260	2270	2220	5650	13100	13100	14200	14200	11200	7840	6080	
39	3520	3050	2880	2420	2330	2280	6440	14000	14000	14400	14400	13000	10700	7590	
40	3480	3100	2800	2450	2410	2240	6190	14600	14600	14600	14600	14600	10900	9650	
41	3340	2690	2450	2530	2180	2180	4460	11700	13600	11200	13600	110500	7770	7770	

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep't.
1	1970	4370	3110	3350	2510	2360	5860	138000	9830	4500	4240	3040
2	1530	4980	3750	3250	2480	2700	5860	150000	12100	4390	4260	3020
3	1470	4860	3250	3020	2380	2360	6600	156000	10300	4500	3440	2730
4	1290	4800	3390	3730	2080	2420	7160	16000	7840	4470	2480	1250
5	1250	4830	3420	3420	2100	2110	8110	15600	16600	6670	4370	2120
6	1380	4750	3420	2700	2510	2420	8590	16700	7130	4320	2260	1250
7	1750	4500	3420	3270	2170	2420	8730	15600	8110	4950	3870	2120
8	2200	4260	3370	2920	2330	2680	6700	14000	7900	4950	4040	2220
9	2420	4120	3330	2350	2470	3000	3000	3530	6080	7260	2940	3230
10	2850	4120	3370	2200	1870	3130	5920	8940	3780	3040	2800	3210
11	3210	4040	3110	2480	2240	2980	5790	9180	8980	3310	2780	3270
12	3270	4040	3110	2480	2240	2980	5790	9180	8980	3310	2780	3270
13	3230	3820	2550	3290	2260	2980	5860	8380	7390	3110	2750	3230
14	3270	4220	2350	3000	2470	3530	6080	7260	5920	3550	2940	3270
15	3370	4220	2150	2940	2200	2870	6400	7330	5060	3730	2820	3570
16	3590	3900	2400	2750	2220	2940	6400	7330	5060	3730	2820	3590
17	4090	3970	2900	2960	2200	2960	6110	7100	7970	3750	2800	3970
18	4500	3480	3000	2820	2160	3040	3040	7700	8450	3750	2640	2220
19	4610	3590	3050	2820	2160	3040	3040	7700	8870	3660	3060	2030
20	4450	3570	3050	2920	2420	3020	3050	8140	9830	3640	3090	1820
21	4160	3710	3050	3020	2420	3050	3370	8870	9470	3660	3150	1710
22	41390	3260	3050	2850	2400	3050	3660	9470	7700	10100	3990	2980
23	4120	2650	3050	2580	2330	3040	4040	10400	6700	9260	2530	1570
24	3990	2700	3040	2380	2450	3040	4470	11200	8590	3570	2830	1920
25	3970	2550	2900	2500	2240	2900	5000	5000	11800	7290	3060	2130
26	4040	2850	2800	2550	2300	2800	5420	11800	5090	5450	3660	2130
27	3900	2900	2900	2550	2270	2900	5540	11000	5390	5390	3620	2150
28	3900	2850	2800	2550	2300	2800	5610	10400	4520	5390	3550	2150
29	3920	3000	2900	2550	2300	2800	5790	10600	4260	5360	3420	2230
30	3920	3000	2900	2550	2300	2800	5700	12000	3990	5700	3440	2230
31	4040	3350	3350	3350	3350	3350	6730	3730	3230	3230	3230	3230

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	102	103	115	123	134	145	156	167	178	188	189	190
2	102	103	115	123	134	145	156	167	178	188	189	190
3	102	103	115	123	134	145	156	167	178	188	189	190
4	110	112	115	123	134	145	156	167	178	188	189	190
5	110	112	115	123	134	145	156	167	178	188	189	190
6	110	112	115	123	134	145	156	167	178	188	189	190
7	110	112	115	123	134	145	156	167	178	188	189	190
8	110	112	115	123	134	145	156	167	178	188	189	190
9	110	112	115	123	134	145	156	167	178	188	189	190
10	110	112	115	123	134	145	156	167	178	188	189	190
11	111	112	115	123	134	145	156	167	178	188	189	190
12	111	112	115	123	134	145	156	167	178	188	189	190
13	111	112	115	123	134	145	156	167	178	188	189	190
14	111	112	115	123	134	145	156	167	178	188	189	190
15	111	112	115	123	134	145	156	167	178	188	189	190
16	111	112	115	123	134	145	156	167	178	188	189	190
17	111	112	115	123	134	145	156	167	178	188	189	190
18	111	112	115	123	134	145	156	167	178	188	189	190
19	111	112	115	123	134	145	156	167	178	188	189	190
20	111	112	115	123	134	145	156	167	178	188	189	190
21	112	113	115	123	134	145	156	167	178	188	189	190
22	112	113	115	123	134	145	156	167	178	188	189	190
23	112	113	115	123	134	145	156	167	178	188	189	190
24	112	113	115	123	134	145	156	167	178	188	189	190
25	112	113	115	123	134	145	156	167	178	188	189	190
26	112	113	115	123	134	145	156	167	178	188	189	190
27	112	113	115	123	134	145	156	167	178	188	189	190
28	112	113	115	123	134	145	156	167	178	188	189	190
29	112	113	115	123	134	145	156	167	178	188	189	190
30	112	113	115	123	134	145	156	167	178	188	189	190
31	112	113	115	123	134	145	156	167	178	188	189	190

No record during the period  
Nov. 24 - Mar. 23

(24-31)

272	273	(1-23-31)
272	273	

16,750	16,300	
16,750	16,300	

Data

Period

Year

Age

Month

Date

Days	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	175	3890	3350	3160	2580	2060	5680	10400	3400	670	866	805
2	187	4370	3260	3110	2290	2060	5700	11700	6620	835	1150	691
3	268	4760	3590	3110	2290	2060	5700	11700	6620	835	1050	768
4	280	4710	3570	2790	2060	6160	12400	7340	820	1150	1150	691
5	336	4650	3690	3230	2000	6720	12400	4940	805	947	820	820
6	628	4450	3590	3670	2120	2260	7340	12400	3540	850	947	768
7	1030	4270	3550	3670	2120	2260	8270	12700	3180	740	733	649
8	1570	4040	3550	2610	2050	2290	7800	12300	4170	740	733	649
9	1030	4270	3550	2610	2050	2290	6980	11200	4570	990	1290	492
10	2010	4040	3570	2010	1820	2240	6460	2000	2400	1510	1500	390
11	2480	4080	3540	1960	2660	1960	1960	2660	1960	812	1080	609
12	2830	4250	3300	2290	1850	2850	1850	2290	1850	504	1020	733
13	2950	3600	2660	2720	1940	2930	1940	2720	1940	296	775	740
14	2910	4100	2330	2950	2060	2820	5840	6280	5840	184	552	1110
15	3040	4490	2000	2910	1980	2880	1980	2910	1980	628	1120	1110
16	3260	4430	2170	2820	1890	2880	6100	3730	1940	166	450	1090
17	3670	4290	2170	2820	1890	2880	6770	3500	1640	284	292	1120
18	4230	4040	3080	2830	2020	2580	2020	2830	7490	288	223	1080
19	4530	3830	3280	2160	3160	3280	2740	3160	3100	278	272	670
20	4490	3830	3040	2800	2130	3100	5540	7900	5570	178	272	576
21	4310	3830	3280	2790	3110	3280	2790	3110	3100	278	272	670
22	4080	3620	3160	3160	2080	2740	2080	3160	3160	370	456	417
23	4040	2770	3160	3160	2080	2740	2080	3160	3160	370	456	417
24	3930	2630	3010	2660	3640	3050	9050	3210	7130	656	380	406
25	3830	2460	2980	2460	1890	2340	10400	1780	5700	956	336	256
26	3930	2610	2870	2610	1880	2200	5090	10800	1620	628	628	273
27	3730	2910	2630	1940	1880	2200	5400	10200	1300	649	642	318
28	3590	2830	2630	1940	1880	2200	5380	10200	1300	649	642	318
29	3590	2880	2130	1940	1880	2240	972	2610	972	981	947	336
30	3590	3010	2950	2290	2290	2240	972	2610	972	947	947	336
31	3730	3010	2950	2290	2290	2240	972	2610	972	947	947	336

Accts	2701	3610	3065	2601	2095	2329	7548	5918	4570	612	727	659
1	166,100	226,700	188,500	116,400	159,900	205,200	449,000	565,900	271,900	37,600	44,680	39,220
2	166,100	226,700	188,500	116,400	159,900	205,200	449,000	565,900	271,900	37,600	44,680	39,220
3	187	4370	3350	3160	2580	2060	5680	10400	3400	670	866	805
4	268	4760	3590	3110	2290	2060	5700	11700	6620	835	1150	691
5	268	4710	3570	3110	2290	2060	5700	11700	6620	835	1150	691
6	345	4650	3690	3110	2290	2060	5700	11700	6620	835	1150	691
7	345	4610	3690	3230	2000	6720	12400	4940	805	947	820	820
8	345	4610	3690	3230	2000	6720	12400	4940	805	947	820	820
9	345	4650	3690	3570	2790	2060	6160	12400	7340	820	1150	691
10	345	4650	3690	3570	2790	2060	6160	12400	7340	820	1150	691
11	187	4370	3350	3160	2580	2060	5680	10400	3400	670	866	805
12	187	4370	3350	3160	2580	2060	5680	10400	3400	670	866	805
13	268	4760	3590	3110	2290	2060	5700	11700	6620	835	1150	691
14	268	4710	3570	3110	2290	2060	5700	11700	6620	835	1150	691
15	345	4650	3690	3110	2290	2060	5700	11700	6620	835	1150	691
16	345	4610	3690	3230	2000	6720	12400	4940	805	947	820	820
17	345	4610	3690	3230	2000	6720	12400	4940	805	947	820	820
18	345	4650	3690	3570	2790	2060	6160	12400	7340	820	1150	691
19	345	4650	3690	3570	2790	2060	6160	12400	7340	820	1150	691
20	345	4650	3690	3570	2790	2060	6160	12400	7340	820	1150	691
21	187	4370	3350	3160	2580	2060	5680	10400	3400	670	866	805
22	187	4370	3350	3160	2580	2060	5680	10400	3400	670	866	805
23	268	4760	3590	3110	2290	2060	5700	11700	6620	835	1150	691
24	268	4710	3570	3110	2290	2060	5700	11700	6620	835	1150	691
25	345	4650	3690	3110	2290	2060	5700	11700	6620	835	1150	691
26	345	4610	3690	3230	2000	6720	12400	4940	805	947	820	820
27	345	4610	3690	3230	2000	6720	12400	4940	805	947	820	820
28	345	4650	3690	3570	2790	2060	6160	12400	7340	820	1150	691
29	345	4650</td										





Day	Out.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Period		Mean	Acre-ft/min	Year	
													Plates Rec'd	Plates Rec'd				
1	79590	70730	64360	66990	66990	69630	71610	75530	95910	93550	95430	95790	94600	78580	70840	64360	66550	70950
2	77790	70070	74970	75650	95910	94370	94840	94840	94370	95650	95910	95790	94600	78580	70840	64360	66550	70950
3	77680	66660	66330	70180	76210	75200	96510	94250	94250	94840	94840	94720	95310	69410	69410	69410	66550	69960
4	77110	69960	66330	70070	77230	73730	95790	93550	93550	94370	94370	94720	95180	68970	68970	69960	69960	77110
5	77230	68970	66220	66220	66220	66220	66220	66220	66220	66220	66220	66220	66220	77230	77230	69960	69960	77230
6	77210	69960	66110	66110	66110	66110	66110	66110	66110	66110	66110	66110	66110	77210	77210	69960	69960	77210
7	77110	68310	65120	65120	65120	65120	65120	65120	65120	65120	65120	65120	65120	77110	77110	68310	68310	77110
8	77900	67870	65670	65670	65670	65670	65670	65670	65670	65670	65670	65670	65670	77900	77900	67870	67870	77900
9	80380	67320	65450	65450	65450	65450	65450	65450	65450	65450	65450	65450	65450	80380	80380	67320	67320	80380
10	82300	66990	66990	65230	65230	65230	65230	65230	65230	65230	65230	65230	65230	82300	82300	66990	66990	82300
11	83770	66990	65230	65230	65230	65230	65230	65230	65230	65230	65230	65230	65230	83770	83770	66990	66990	83770
12	86330	66990	65230	65230	65230	65230	65230	65230	65230	65230	65230	65230	65230	86330	86330	66990	66990	86330
13	85170	67430	65890	65890	65890	65890	65890	65890	65890	65890	65890	65890	65890	85170	85170	67430	67430	85170
14	84010	67540	66330	66330	66330	66330	66330	66330	66330	66330	66330	66330	66330	84010	84010	67540	67540	84010
15	82190	66770	66770	66770	66770	66770	66770	66770	66770	66770	66770	66770	66770	82190	82190	66770	66770	82190
16	81740	66110	66770	66770	66770	66770	66770	66770	66770	66770	66770	66770	66770	81740	81740	66110	66110	81740
17	80720	64580	66770	68090	698090	698090	70070	70070	70070	70070	70070	70070	70070	80720	80720	64580	64580	80720
18	79480	63370	66220	68750	69850	70070	70070	70070	70070	70070	70070	70070	70070	79480	79480	63370	63370	79480
19	77680	61940	66110	66970	69970	70070	70070	70070	70070	70070	70070	70070	70070	77680	77680	61940	61940	77680
20	75980	61830	65670	68970	70070	70070	70070	70070	70070	70070	70070	70070	70070	75980	75980	61830	61830	75980
21	74070	64360	65450	69410	70950	70950	70950	70950	70950	70950	70950	70950	70950	74070	74070	64360	64360	74070
22	72600	66110	66450	68970	71610	71610	71610	71610	71610	71610	71610	71610	71610	72600	72600	66110	66110	72600
23	71500	66440	66440	68970	71390	71390	71390	71390	71390	71390	71390	71390	71390	71500	71500	66440	66440	71500
24	70510	67210	66330	69190	71500	71500	71500	71500	71500	71500	71500	71500	71500	70510	70510	67210	67210	70510
25	69190	67430	67430	69190	71500	71500	71500	71500	71500	71500	71500	71500	71500	69190	69190	7430	7430	69190
26	69190	66990	66990	69080	71390	71390	71390	71390	71390	71390	71390	71390	71390	69190	69190	66990	66990	69190
27	69410	66830	66830	69080	71830	71830	71830	71830	71830	71830	71830	71830	71830	69410	69410	66830	66830	69410
28	69960	66660	66660	65890	69190	71500	71500	71500	71500	71500	71500	71500	71500	69960	69960	66660	66660	69960
29	69960	66550	66550	65890	69190	71500	71500	71500	71500	71500	71500	71500	71500	69960	69960	66550	66550	69960
30	70510	66220	66440	68090	74720	74720	74720	74720	74720	74720	74720	74720	74720	70510	70510	66220	66220	70510
31	71170	66550	66550	68090	74720	74720	74720	74720	74720	74720	74720	74720	74720	71170	71170	66550	66550	71170

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Ave.		Year		Pens.		Auto-Firet		Mean			
													Age	Sex	0	0	0	0	52,160	92,940	77,210	96,400	87,150	53,850
1	953	314	212	125	73	1470	1500	1500	1500	1500	1610	1610	199	199	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
2	901	314	212	125	73	1470	1500	1500	1500	1500	1610	1610	199	199	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
3	802	312	214	125	73	1470	1500	1500	1500	1500	1610	1610	199	199	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
4	728	312	214	125	73	1470	1500	1500	1500	1500	1610	1610	199	199	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
5	701	312	214	125	73	1470	1500	1500	1500	1500	1610	1610	199	199	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
6	701	312	214	125	73	1470	1500	1500	1500	1500	1610	1610	199	199	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
7	701	312	214	125	73	1470	1500	1500	1500	1500	1610	1610	199	199	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
8	488	311	214	125	73	1470	1500	1500	1500	1500	1610	1610	199	199	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
9	328	311	214	125	73	1470	1500	1500	1500	1500	1610	1610	199	199	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
10	330	310	214	125	73	1470	1500	1500	1500	1500	1610	1610	199	199	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
11	331	310	214	125	73	1470	1500	1500	1500	1500	1610	1610	199	199	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
12	334	308	215	815	824	1580	1190	1610	1520	1030	1110	1420	751	1610	1190	1580	1190	1610	1520	1030	1110	1420	751	1610
13	333	308	216	824	824	1510	1220	1600	1540	890	890	890	757	1620	1270	1500	1270	1620	1220	1010	1500	1540	764	837
14	330	305	216	824	824	1510	1220	1600	1540	890	890	890	757	1620	1270	1500	1270	1620	1220	1010	1500	1540	764	837
15	330	305	216	824	824	1510	1220	1600	1540	890	890	890	757	1620	1270	1500	1270	1620	1220	1010	1500	1540	764	837
16	328	304	216	824	824	1510	1220	1600	1540	890	890	890	757	1620	1270	1500	1270	1620	1220	1010	1500	1540	764	837
17	326	302	216	824	824	1510	1220	1600	1540	890	890	890	757	1620	1270	1500	1270	1620	1220	1010	1500	1540	764	837
18	326	301	216	824	824	1510	1220	1600	1540	890	890	890	757	1620	1270	1500	1270	1620	1220	1010	1500	1540	764	837
19	322	299	216	824	824	1510	1220	1600	1540	890	890	890	757	1620	1270	1500	1270	1620	1220	1010	1500	1540	764	837
20	318	299	216	824	824	1510	1220	1600	1540	890	890	890	757	1620	1270	1500	1270	1620	1220	1010	1500	1540	764	837
21	316	302	216	824	824	1510	1220	1600	1540	890	890	890	757	1620	1270	1500	1270	1620	1220	1010	1500	1540	764	837
22	314	304	216	824	824	1510	1220	1600	1540	890	890	890	757	1620	1270	1500	1270	1620	1220	1010	1500	1540	764	837
23	314	248	216	824	824	1510	1220	1600	1540	890	890	890	757	1620	1270	1500	1270	1620	1220	1010	1500	1540	764	837
24	314	216	216	824	824	1510	1220	1600	1540	890	890	890	757	1620	1270	1500	1270	1620	1220	1010	1500	1540	764	837
25	316	304	216	824	824	1510	1220	1600	1540	890	890	890	757	1620	1270	1500	1270	1620	1220	1010	1500	1540	764	837
26	311	216	216	824	824	1510	1220	1600	1540	890	890	890	757	1620	1270	1500	1270	1620	1220	1010	1500	1540	764	837
27	311	215	216	824	824	1510	1220	1600	1540	890	890	890	757	1620	1270	1500	1270	1620	1220	1010	1500	1540	764	837
28	312	214	216	824	824	1510	1220	1600	1540	890	890	890	757	1620	1270	1500	1270	1620	1220	1010	1500	1540	764	837
29	312	214	216	824	824	1510	1220	1600	1540	890	890	890	757	1620	1270	1500	1270	1620	1220	1010	1500	1540	764	837
30	314	214	216	824	824	1510	1220	1600	1540	890	890	890	757	1620	1270	1500	1270	1620	1220	1010	1500	1540	764	837
31	314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

&lt;p style="writing-mode: vertical-rl; transform: rotate

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep't.
1	630	164	164	164	164	164	164	164	164	164	164	164
2	620	154	164	1140	1180	1220	1220	1090	1150	1040	1170	931
3	526	154	164	1140	1180	1220	1220	1090	1150	1040	1170	973
4	478	147	147	1090	1040	1170	1170	1100	1000	1040	1170	931
5	424	146	146	0	0	0	0	0	0	0	0	973
6	365	145	145	0	0	0	0	1130	1050	1040	928	1050
7	301	144	144	0	0	0	0	1080	1060	1060	949	1070
8	260	142	142	0	0	0	0	983	998	807	1060	1070
9	250	144	144	0	0	0	0	949	815	815	1120	1020
10	250	144	144	0	0	0	0	1060	801	1090	1060	922
11	226	144	144	108	1110	821	1180	1240	1240	1270	1250	901
12	206	142	142	313	1130	869	1240	1240	1240	1270	1250	678
13	130	132	132	329	1130	913	1130	913	1270	955	1190	519
14	180	127	127	308	1270	955	1240	1240	1240	1270	1250	385
15	205	137	137	276	1270	884	1190	1190	1270	955	1240	424
16	204	132	132	324	1220	752	1130	1130	1220	884	1190	350
17	180	127	127	363	1240	603	1260	1260	1240	752	1190	365
18	204	130	130	399	1230	559	1260	1260	1230	399	1240	501
19	180	127	127	454	1150	612	1250	1250	1150	454	1160	533
20	147	129	129	593	1080	593	1250	1250	1150	593	1240	547
21	136	142	142	673	1090	645	1210	1210	1100	673	1210	581
22	154	142	142	675	1080	645	1210	1210	1100	675	1210	591
23	147	59	59	728	1100	658	1130	1130	1070	728	1130	581
24	145	0	0	784	1060	793	1130	1130	1070	784	1130	579
25	146	0	0	875	1060	815	1190	1190	1170	875	1190	567
26	146	0	0	1110	958	1110	1170	1170	1170	1110	1170	569
27	146	0	0	1020	1180	1180	1220	1220	1180	1020	1180	645
28	157	0	0	1110	1230	1100	1250	1250	1170	1110	1250	635
29	164	0	0	1160	1200	1160	1250	1250	1170	1160	1250	610
30	164	0	0	980	1190	1090	1180	1180	1180	980	1190	635
31	164	0	0	989	1160	1160	1250	1250	1170	989	1160	610

Dry Nov. 24 to Apr. 10

Acre-inches  
Year  
Meas 488  
263,290

249	106	0	0	0	0	0	0	0	0	0	0	0
240	6,220	0	0	0	0	0	0	0	0	0	0	0
230	15,240	0	0	0	0	0	0	0	0	0	0	0
221	147	136	136	1250	1260	547	547	547	547	547	547	547
222	154	142	142	673	1090	645	1210	1210	1100	673	1210	581
223	147	142	142	675	1080	645	1210	1210	1100	675	1210	591
224	145	0	0	728	1100	658	1130	1130	1070	728	1130	581
225	146	0	0	784	1060	793	1130	1130	1070	784	1130	579
226	146	0	0	875	1060	815	1190	1190	1170	875	1190	567
227	157	0	0	1110	1230	1100	1250	1250	1170	1110	1250	645
228	164	0	0	980	1190	1090	1180	1180	1180	980	1190	635
229	164	0	0	989	1160	1160	1250	1250	1170	989	1160	610
230	165	0	0	980	1190	1090	1180	1180	1180	980	1190	635
231	127	127	127	0	0	0	0	0	0	0	0	0
232	130	132	132	0	0	0	0	0	0	0	0	0
233	127	127	127	0	0	0	0	0	0	0	0	0
234	130	132	132	0	0	0	0	0	0	0	0	0
235	127	127	127	0	0	0	0	0	0	0	0	0
236	127	127	127	0	0	0	0	0	0	0	0	0
237	127	127	127	0	0	0	0	0	0	0	0	0
238	164	0	0	0	0	0	0	0	0	0	0	0
239	164	0	0	0	0	0	0	0	0	0	0	0
240	164	0	0	0	0	0	0	0	0	0	0	0
241	114	114	114	0	0	0	0	0	0	0	0	0
242	1164	1164	1164	0	0	0	0	0	0	0	0	0
243	1164	1164	1164	0	0	0	0	0	0	0	0	0
244	1164	1164	1164	0	0	0	0	0	0	0	0	0
245	1164	1164	1164	0	0	0	0	0	0	0	0	0
246	1164	1164	1164	0	0	0	0	0	0	0	0	0
247	1164	1164	1164	0	0	0	0	0	0	0	0	0
248	1164	1164	1164	0	0	0	0	0	0	0	0	0
249	1164	1164	1164	0	0	0	0	0	0	0	0	0
250	1164	1164	1164	0	0	0	0	0	0	0	0	0
251	1164	1164	1164	0	0	0	0	0	0	0	0	0
252	1164	1164	1164	0	0	0	0	0	0	0	0	0
253	1164	1164	1164	0	0	0	0	0	0	0	0	0
254	1164	1164	1164	0	0	0	0	0	0	0	0	0
255	1164	1164	1164	0	0	0	0	0	0	0	0	0
256	1164	1164	1164	0	0	0	0	0	0	0	0	0
257	1164	1164	1164	0	0	0	0	0	0	0	0	0

Day	Oct.	Nov.	Dec.	Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		
				2550	710	2550	1130	4160	4300	7930	7850	8310	6550	6300	4130	2550	1130	2550	1130	2550	710	
1	3300	710	2550	1130	4160	4300	7930	7850	8310	6550	6300	4130	2550	1130	2550	1130	2550	1130	2550	1130	2550	
2	2930	721	2060	1120	4330	6060	6740	8340	7820	7960	8360	6720	6260	874	2160	1120	4400	7070	6480	9350	7660	
3	4	2260	874	2160	1120	4400	7070	6480	9350	7660	8170	8310	6530	2300	1110	4400	7070	6480	9350	7660	8170	
4	2630	1110	2300	1110	4400	7070	6480	9350	7660	8170	8310	6530	2300	1110	4400	7070	6480	9350	7660	8170		
5	2630	1090	2430	1090	4290	7470	8470	9290	7820	8420	8390	6720	6260	874	2160	1120	4400	7070	6480	9350	7660	
6	2750	1020	2580	1020	4310	9030	9250	9030	8230	4310	2990	2310	2140	829	2670	1020	4310	9030	8230	4310	829	
7	2670	1020	2430	1020	4240	7630	7800	7610	9610	4290	5440	2740	6440	2740	6440	2740	6440	2740	6440	2740	6440	
8	1980	829	2140	3060	4510	2510	11500	11500	7660	7900	7470	6450	3080	887	3080	887	3080	887	3080	887	3080	
9	1670	811	2060	4270	4270	1140	11800	11800	7820	8010	8440	811	2060	811	2060	811	2060	811	2060	811	2060	
10	1630	696	693	1050	3300	4290	7420	7630	7630	4600	8400	696	693	1620	693	1620	693	1620	693	1620	693	
11	1670	693	693	1030	2720	4270	2040	12500	7580	8060	8390	6190	1630	698	1630	698	1630	698	1630	698	1630	698
12	1630	696	696	2810	733	4290	5440	11900	7900	7800	7630	6010	6010	6010	6010	6010	6010	6010	6010	6010	6010	6010
13	1590	688	887	3080	4360	6430	7470	7520	8250	8090	5760	5320	1380	1440	1270	970	1290	1050	3300	4290	7470	7520
14	1620	693	693	1050	3300	4290	8400	7630	7630	4600	8040	5320	1380	1440	1270	970	1290	1050	3300	4290	7470	7520
15	1600	970	970	1290	3200	4290	8440	7550	7710	7860	8360	5060	5060	1600	970	970	1290	3200	4290	8440	7550	7710
16	1380	1440	1440	1270	3120	4300	8360	7550	7710	7860	8360	4850	4850	1380	1440	1270	3120	4300	8360	7550	7710	7860
17	1120	2260	1220	3340	4300	8310	7710	7900	7900	8310	8310	4420	1120	2260	1120	2260	3340	4300	8310	7710	7900	7900
18	817	2860	1180	3380	4310	8150	7710	8150	8150	3380	6980	4420	1590	817	2860	1180	3380	4310	8150	7710	8150	817
19	721	2770	1140	3470	4310	8010	7090	8170	8170	3470	6450	4420	1590	721	2770	1140	3470	4310	8010	7090	8170	721
20	733	1680	1680	1090	3520	3970	6320	7070	7960	7960	6800	8720	4510	1680	733	1680	1680	1090	3520	3970	6320	7070
21	757	1400	1400	1090	3420	3950	6160	7610	9490	9490	6880	8280	4690	1400	757	1400	1400	1090	3420	3950	6160	7610
22	660	1200	1200	1070	3380	6040	7090	7740	7740	9380	8360	4200	8200	4760	660	660	1200	1200	1070	3380	6040	7090
23	511	1140	1140	1080	3320	4200	9290	7900	7440	7440	8420	8090	3470	511	511	1140	1140	1080	3320	4200	9290	7900
24	516	963	1040	1040	1080	3320	4200	9290	7900	7440	7440	8420	8090	3470	516	516	963	1040	1080	3320	4200	9290
25	460	963	1040	1040	1080	3320	4200	9290	7900	7440	7440	8420	8090	3470	460	460	963	1040	1080	3320	4200	9290
26	416	763	1120	1120	1140	3490	6370	8170	8170	9370	8060	4300	3490	416	763	1120	1120	1140	3490	6370	8170	8170
27	478	763	1120	1120	1140	3490	6370	8170	8170	9370	8060	4300	3490	478	763	1120	1120	1140	3490	6370	8170	8170
28	469	710	1120	1120	1140	3490	6370	8170	8170	9370	8060	4300	3490	469	710	1120	1120	1140	3490	6370	8170	8170
29	483	698	710	1120	1120	1140	3490	6370	8170	8170	9370	8060	4300	3490	483	698	710	1120	1120	1140	3490	6370
30	541	1230	1060	1060	1040	3740	7740	8610	8610	9610	7740	7740	7740	7740	541	1230	1060	1060	1040	3740	7740	8610

PLATE NO. 37  
SNAKE RIVER AND MINIDOE, IDAHO  
\*For the greater discharge, see second page.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10.74	8.21	7.52	7.37	7.56	7.58	7.34	7.44	7.92	10.72	10.84	10.90
2	11.00	8.13	7.46	7.44	10.94	11.00	10.70	10.81	10.78	10.72	10.84	10.85
3	11.09	8.46	7.58	7.59	7.50	7.40	8.09	10.96	10.91	10.76	10.79	10.83
4	10.90	10.90	8.21	7.42	7.58	7.50	7.44	7.50	7.44	10.07	10.74	10.88
5	10.56	8.26	7.35	7.44	7.50	7.42	7.58	7.44	7.45	10.89	11.06	10.78
6	10.36	7.98	7.60	7.42	7.45	7.42	9.96	10.85	10.92	10.60	10.74	10.88
7	10.15	7.77	7.50	7.45	7.52	7.42	9.42	10.85	10.90	10.94	10.92	10.92
8	10.01	7.48	7.60	7.40	7.56	7.40	10.60	10.92	10.85	10.80	10.79	10.84
9	9.64	7.26	7.29	7.36	7.42	7.34	10.94	10.90	10.74	10.82	10.77	10.74
10	9.28	7.42	7.36	7.42	7.34	7.42	10.74	10.90	10.74	10.72	10.95	10.74
11	8.88	7.50	7.42	7.37	7.63	7.46	10.72	10.83	10.84	11.02	10.84	10.82
12	8.95	7.40	7.20	7.42	7.52	7.35	10.75	10.86	10.87	10.90	10.88	10.88
13	8.88	7.62	7.36	7.57	7.52	7.32	11.00	11.02	10.84	11.02	11.03	11.03
14	8.89	7.78	7.34	7.52	7.58	7.40	10.87	10.85	10.86	10.75	10.99	10.99
15	8.94	7.80	6.82	7.32	7.58	7.38	10.56	10.56	10.62	10.62	10.58	10.94
16	9.04	7.80	7.12	7.40	7.56	7.38	10.74	10.82	10.44	10.84	10.84	10.84
17	9.18	6.89	7.52	7.18	7.42	7.41	10.84	10.82	10.82	10.58	10.58	10.58
18	9.28	7.54	7.44	7.41	7.46	7.41	10.84	10.82	10.82	10.78	10.78	10.48
19	9.20	8.07	7.52	7.44	7.40	7.41	11.03	11.02	11.02	11.00	11.00	11.00
20	9.06	8.46	7.58	7.40	7.42	7.44	10.54	10.54	10.72	10.72	10.72	10.36
21	9.15	9.06	7.52	7.36	7.42	7.44	10.94	10.94	11.02	11.02	11.02	10.96
22	9.34	9.02	7.44	7.42	7.40	7.44	10.96	10.96	10.82	10.82	10.82	10.32
23	9.60	9.22	7.51	7.36	7.41	7.45	10.95	10.95	10.61	10.61	10.61	10.44
24	9.84	9.22	7.50	7.34	7.41	7.45	10.97	10.97	10.82	10.82	10.82	10.35
25	10.08	9.08	7.30	7.34	7.41	7.45	10.92	10.92	11.00	11.00	11.00	10.28
26	10.25	9.50	7.34	7.49	7.41	7.45	10.99	10.99	10.98	10.98	10.98	10.65
27	10.25	9.47	7.49	7.44	7.41	7.45	10.92	10.92	11.00	11.00	11.00	10.50
28	10.28	9.08	7.30	7.34	7.41	7.45	10.97	10.97	11.02	11.02	11.02	10.28
29	10.29	9.18	7.49	7.44	7.41	7.45	10.92	10.92	11.00	11.00	11.00	10.65
30	10.30	8.80	7.54	7.44	7.41	7.45	10.98	10.98	11.02	11.02	11.02	10.65

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

Dry except on shop floor which  
is 15% change in sales

1.22	75
1060	2270
3690	5660
3690	5660
60.0	69.1
17.7	59.6
69.3	59.1
60.0	59.6
1060	2270
YTD	MAR
24.6	24.6
ACR-G-PART	17.926



Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Plate No. 91
1	0	0	0	0	0	0	0	1280	1160	1190	1260	1360	950
2	0	0	0	0	0	0	0	1280	1170	1200	1230	1360	1000
3	0	0	0	0	0	0	0	1280	1160	1210	1230	1360	1000
4	0	0	0	0	0	0	0	1280	1160	1230	1260	1360	1000
5	0	0	0	0	0	0	0	1270	1160	1280	1320	1360	990
6	0	0	0	0	0	0	0	1270	1160	1280	1320	1360	1000
7	0	0	0	0	0	0	0	1260	1160	1280	1320	1360	970
8	0	0	0	0	0	0	0	1260	1160	1290	1300	1360	960
9	0	0	0	0	0	0	0	1280	1160	1290	1300	1360	940
10	0	0	0	0	0	0	0	1280	1160	1280	1300	1360	940
11	0	0	0	0	0	0	0	326	1280	1290	1200	1200	940
12	0	0	0	0	0	0	0	486	1160	1190	1290	1200	940
13	0	0	0	0	0	0	0	610	1280	1290	1190	1190	940
14	0	0	0	0	0	0	0	620	1280	1290	1190	1190	940
15	455	0	0	0	0	0	0	620	1220	1230	1210	1210	910
16	455	0	0	0	0	0	0	620	1220	1230	1210	1210	900
17	438	0	0	0	0	0	0	620	1230	1230	1230	1230	890
18	456	0	0	0	0	0	0	620	1230	1230	1230	1230	890
19	465	0	0	0	0	0	0	610	1210	1210	1230	1230	890
20	196	0	0	0	0	0	0	720	1200	1200	1230	1230	880
21	0	0	0	0	0	0	0	850	1200	1200	1230	1230	890
22	0	0	0	0	0	0	0	850	1190	1190	1230	1230	890
23	0	0	0	0	0	0	0	890	1190	1190	1230	1230	900
24	0	0	0	0	0	0	0	980	1160	1160	1230	1230	900
25	0	0	0	0	0	0	0	990	1170	1170	1230	1230	900
26	0	0	0	0	0	0	0	990	1160	1160	1220	1220	900
27	25	0	0	0	0	0	0	1000	1170	1170	1220	1220	900
28	28	0	0	0	0	0	0	1050	1170	1170	1220	1220	900
29	29	0	0	0	0	0	0	1080	1170	1170	1220	1220	900
30	30	0	0	0	0	0	0	1350	1160	1160	1220	1220	900
31	31	0	0	0	0	0	0	880	1160	1160	1220	1220	900

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Page No. 42
1	940							0	800	820	890	940	750
2	844							0	800	820	930	950	620
3	791							0	800	820	930	950	630
4	867							0	800	810	910	940	630
5	867							0	790	810	910	950	630
6	872							0	800	810	910	950	630
7	867							0	790	810	940	950	630
8	861							0	800	810	940	950	630
9	856							0	800	810	940	950	630
10	801							287	800	810	910	950	630
11	806							392	800	810	910	950	630
12	789							404	810	810	940	940	630
13	388							430	810	810	940	940	630
14	0							430	810	810	940	950	630
15	0							430	810	800	900	940	630
16	0							430	810	810	940	940	630
17	0							430	810	810	940	950	620
18	0							440	820	810	950	950	620
19	0							440	820	830	950	950	610
20	0							440	840	810	950	940	610
21	0							440	840	840	950	940	600
22	0							440	820	820	950	940	600
23	0							440	800	820	950	940	600
24	0							440	790	820	950	940	600
25	0							440	790	820	950	940	600
26	0							440	790	820	950	950	290
27	0							440	790	820	950	940	290
28	0							440	790	820	950	950	290
29	0							440	790	820	950	950	290
30	0							440	790	820	950	950	290
31	0							440	790	820	950	950	290

Dry Oct 14th  
Apr. 4

240	0	0	0	0	0	0	0	0	0	0	0	0	20,920
245	0	0	0	0	0	0	0	0	0	0	0	0	245
250	0	0	0	0	0	0	0	0	0	0	0	0	250
255	0	0	0	0	0	0	0	0	0	0	0	0	255
260	0	0	0	0	0	0	0	0	0	0	0	0	260
265	0	0	0	0	0	0	0	0	0	0	0	0	265
270	0	0	0	0	0	0	0	0	0	0	0	0	270
275	0	0	0	0	0	0	0	0	0	0	0	0	275
280	0	0	0	0	0	0	0	0	0	0	0	0	280
285	0	0	0	0	0	0	0	0	0	0	0	0	285
290	0	0	0	0	0	0	0	0	0	0	0	0	290
295	0	0	0	0	0	0	0	0	0	0	0	0	295
300	0	0	0	0	0	0	0	0	0	0	0	0	300
305	0	0	0	0	0	0	0	0	0	0	0	0	305
310	0	0	0	0	0	0	0	0	0	0	0	0	310
315	0	0	0	0	0	0	0	0	0	0	0	0	315
320	0	0	0	0	0	0	0	0	0	0	0	0	320
325	0	0	0	0	0	0	0	0	0	0	0	0	325
330	0	0	0	0	0	0	0	0	0	0	0	0	330
335	0	0	0	0	0	0	0	0	0	0	0	0	335
340	0	0	0	0	0	0	0	0	0	0	0	0	340
345	0	0	0	0	0	0	0	0	0	0	0	0	345
350	0	0	0	0	0	0	0	0	0	0	0	0	350
355	0	0	0	0	0	0	0	0	0	0	0	0	355
360	0	0	0	0	0	0	0	0	0	0	0	0	360
365	0	0	0	0	0	0	0	0	0	0	0	0	365
370	0	0	0	0	0	0	0	0	0	0	0	0	370
375	0	0	0	0	0	0	0	0	0	0	0	0	375
380	0	0	0	0	0	0	0	0	0	0	0	0	380
385	0	0	0	0	0	0	0	0	0	0	0	0	385
390	0	0	0	0	0	0	0	0	0	0	0	0	390
395	0	0	0	0	0	0	0	0	0	0	0	0	395
400	0	0	0	0	0	0	0	0	0	0	0	0	400
405	0	0	0	0	0	0	0	0	0	0	0	0	405
410	0	0	0	0	0	0	0	0	0	0	0	0	410
415	0	0	0	0	0	0	0	0	0	0	0	0	415
420	0	0	0	0	0	0	0	0	0	0	0	0	420
425	0	0	0	0	0	0	0	0	0	0	0	0	425
430	0	0	0	0	0	0	0	0	0	0	0	0	430
435	0	0	0	0	0	0	0	0	0	0	0	0	435
440	0	0	0	0	0	0	0	0	0	0	0	0	440
445	0	0	0	0	0	0	0	0	0	0	0	0	445
450	0	0	0	0	0	0	0	0	0	0	0	0	450
455	0	0	0	0	0	0	0	0	0	0	0	0	455
460	0	0	0	0	0	0	0	0	0	0	0	0	460
465	0	0	0	0	0	0	0	0	0	0	0	0	465
470	0	0	0</										

Dec.	Nov.	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.
120	614	406	391	391	391	391	391	391	391	391	391	403	608	0
121	608	403	403	418	391	391	391	391	391	391	391	409	621	0
122	621	409	409	418	391	391	391	391	391	391	391	414	621	0
123	559	543	566	566	591	591	591	591	591	591	591	594	724	25
124	559	531	512	512	518	518	518	518	518	518	518	521	129	24
125	559	543	533	533	518	518	518	518	518	518	518	521	133	25
126	559	543	560	560	510	510	510	510	510	510	510	521	129	26
127	559	543	594	594	588	588	588	588	588	588	588	591	459	27
128	621	355	394	394	391	391	391	391	391	391	391	394	614	28
129	621	394	459	459	457	457	457	457	457	457	457	460	614	29
130	703	556	556	556	556	556	556	556	556	556	556	556	703	30
131	700	534	534	534	534	534	534	534	534	534	534	534	700	31
132	714	518	518	518	518	518	518	518	518	518	518	518	714	32
133	553	553	547	547	543	543	543	543	543	543	543	543	553	33
134	745	553	553	553	553	553	553	553	553	553	553	553	745	34
135	745	550	550	550	550	550	550	550	550	550	550	550	745	35
136	524	569	569	569	569	569	569	569	569	569	569	569	524	36
137	745	550	550	550	550	550	550	550	550	550	550	550	745	37
138	745	550	550	550	550	550	550	550	550	550	550	550	745	38
139	745	550	550	550	550	550	550	550	550	550	550	550	745	39
140	0	563	424	424	436	436	436	436	436	436	436	436	0	10
141	0	569	394	394	394	394	394	394	394	394	394	394	569	9
142	0	569	394	394	394	394	394	394	394	394	394	394	569	8
143	0	569	394	394	394	394	394	394	394	394	394	394	569	7
144	0	569	394	394	394	394	394	394	394	394	394	394	569	6
145	0	569	394	394	394	394	394	394	394	394	394	394	569	5
146	0	569	394	394	394	394	394	394	394	394	394	394	569	4
147	0	569	394	394	394	394	394	394	394	394	394	394	569	3
148	0	569	394	394	394	394	394	394	394	394	394	394	569	2
149	0	569	394	394	394	394	394	394	394	394	394	394	569	1
150	0	569	394	394	394	394	394	394	394	394	394	394	569	0
151	0	547	547	547	547	547	547	547	547	547	547	547	547	20
152	734	543	543	543	543	543	543	543	543	543	543	543	734	31
153	700	534	534	534	534	534	534	534	534	534	534	534	700	32
154	714	518	518	518	518	518	518	518	518	518	518	518	714	33
155	745	553	553	553	553	553	553	553	553	553	553	553	745	34
156	745	550	550	550	550	550	550	550	550	550	550	550	745	35
157	745	550	550	550	550	550	550	550	550	550	550	550	745	36
158	745	550	550	550	550	550	550	550	550	550	550	550	745	37
159	745	550	550	550	550	550	550	550	550	550	550	550	745	38
160	745	550	550	550	550	550	550	550	550	550	550	550	745	39
161	0	575	436	436	436	436	436	436	436	436	436	436	0	10
162	0	569	409	409	415	415	415	415	415	415	415	415	569	9
163	0	569	409	409	409	409	409	409	409	409	409	409	569	8
164	0	569	409	409	409	409	409	409	409	409	409	409	569	7
165	0	569	409	409	409	409	409	409	409	409	409	409	569	6
166	0	569	409	409	409	409	409	409	409	409	409	409	569	5
167	0	569	409	409	409	409	409	409	409	409	409	409	569	4
168	0	569	409	409	409	409	409	409	409	409	409	409	569	3
169	0	569	409	409	409	409	409	409	409	409	409	409	569	2
170	0	569	409	409	409	409	409	409	409	409	409	409	569	1
171	0	569	409	409	409	409	409	409	409	409	409	409	569	0
172	0	575	436	436	436	436	436	436	436	436	436	436	575	10
173	0	582	442	442	442	442	442	442	442	442	442	442	582	9
174	0	601	424	424	412	412	412	412	412	412	412	412	601	8
175	0	595	424	424	418	418	418	418	418	418	418	418	595	7
176	0	595	424	424	418	418	418	418	418	418	418	418	595	6
177	0	595	424	424	418	418	418	418	418	418	418	418	595	5
178	0	595	424	424	418	418	418	418	418	418	418	418	595	4
179	0	595	424	424	418	418	418	418	418	418	418	418	595	3
180	0	595	424	424	418	418	418	418	418	418	418	418	595</	

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Plates No. 99
1	2220	25	619	594	544	580	752	3260	3400	3440	3560	3500	
2	2210	25	610	590	533	559	793	3320	3400	3440	3560	3500	
3	2120	370	622	582	559	567	933	3320	3400	3440	3560	3480	
4	2050	622	610	582	559	567	933	3320	3400	3440	3560	3500	
5	1940	913	619	592	574	592	1040	3390	3400	3470	3570	3500	
6	1880	958	622	597	575	568	1280	3390	3400	3470	3580	3480	
7	1790	947	616	595	565	575	1320	3400	3460	3460	3590	3070	
8	1600	816	616	579	556	553	1320	3400	3460	3460	3590	3340	
9	1520	260	616	584	564	562	2080	3380	3310	3480	3590	3030	
10	1360	20	613	587	555	562	1520	3360	3350	3480	3590	3320	
11	1290	20	616	583	543	560	3360	3360	3450	3450	3600	3360	
12	1290	20	613	587	555	562	1520	3360	3350	3480	3590	3320	
13	1220	20	610	582	554	562	2080	3360	3310	3480	3590	3030	
14	1180	20	607	583	553	562	3260	3360	3310	3480	3590	2780	
15	1120	15	604	584	553	556	2070	3370	3250	3480	3590	2670	
16	1090	597	601	579	549	566	1880	3370	3240	3490	3580	1890	
17	958	1290	598	595	559	562	1910	3370	3240	3490	3590	2360	
18	748	1100	584	587	556	586	2090	3380	3210	3490	3590	2260	
19	678	816	589	587	553	583	2350	3360	3230	3490	3590	1960	
20	357	601	592	589	553	582	2570	3380	3250	3490	3590	1960	
21	28	601	595	584	553	584	2680	3390	32970	3500	3620	1970	
22	25	607	598	592	553	584	2820	3400	2970	3410	3500	1960	
23	25	604	595	595	565	593	2920	3410	3050	3500	3620	1970	
24	25	610	595	593	553	592	3130	3410	3180	3530	3610	1970	
25	25	604	598	592	553	593	3130	3410	3180	3530	3610	1970	
26	25	604	595	595	565	593	3130	3410	3180	3530	3610	1970	
27	26	1070	604	595	595	590	3420	3410	3410	3430	3550	3550	
28	28	622	619	598	592	588	3420	3410	3410	3430	3550	3550	
29	29	619	619	619	595	595	3420	3410	3410	3430	3550	3550	
30	30	619	619	619	595	595	3420	3410	3410	3430	3550	3550	
31	31	25	196	622	622	622	3420	3410	3410	3430	3550	3550	

2631	1944	519	606	596	586	586	586	586	586	586	586	586	586
27	1944	519	606	596	586	586	586	586	586	586	586	586	586
28	1944	519	606	596	586	586	586	586	586	586	586	586	586
29	1944	519	606	596	586	586	586	586	586	586	586	586	586
30	1944	519	606	596	586	586	586	586	586	586	586	586	586

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Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep't.
1	272	421	1910	307	2930	3580	5220	988	7	9	9	9
2	285	453	1560	307	3260	4260	5600	479	7	9	9	9
3	277	483	1320	304	3460	5330	5930	798	9	9	9	9
4	555	475	2130	304	304	4190	4270	4780	6	7	7	7
5	982	483	1650	1650	763	3350	4600	7280	6	6	6	6
6	1230	479	1880	2260	8020	1240	1240	7200	15	15	15	9
7	1290	483	1800	2430	6610	1660	1660	7280	6	6	8	8
8	949	479	1550	1550	3190	9230	3580	3580	13	13	8	8
9	918	479	1580	2190	6470	3900	3900	7050	6	6	9	9
10	875	475	1940	394	1980	3590	9580	47	7	7	11	9
11	618	475	1475	394	1980	3820	9580	47	6	6	12	9
12	280	479	307	307	2190	6470	3900	3900	13	13	7	9
13	129	479	307	307	2190	6470	3900	3900	6	6	9	9
14	267	475	304	304	2710	8150	8150	7740	9	10	10	11
15	269	475	307	307	2710	8150	8150	7740	5	5	5	5
16	264	464	304	304	2020	1020	1020	7690	144	144	72	8
17	267	475	307	307	2240	3410	3410	7690	5	5	77	77
18	267	483	307	307	2410	6910	6910	7900	6	6	97	97
19	267	479	307	307	2800	5790	5790	269	8	8	27	27
20	267	457	307	307	2540	3490	3490	269	8	8	12	12
21	261	472	307	307	2740	5550	5550	3820	7	7	8	8
22	269	472	307	307	2570	5330	5330	3410	6	6	9	9
23	264	491	307	307	2400	3460	3460	2960	6	6	6	9
24	269	491	307	307	2540	5110	5110	267	6	6	6	9
25	272	518	307	307	2750	5060	5060	2360	7	7	7	9
26	288	518	304	304	2520	3470	3470	282	9	9	11	9
27	288	518	304	304	2540	5330	5330	282	9	9	11	9
28	288	518	304	304	2520	3470	3470	282	9	9	11	9
29	288	518	304	304	2540	5330	5330	282	9	9	11	9
30	288	518	304	304	2520	3470	3470	282	9	9	11	9
31	425	633	304	304	2960	5300	5300	2960	8	8	10	9

Accts. Due 1,078,808

YTD  
MAY

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JULY

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep't.
STORAGE DEPARTMENT												
1	12250	33940	55465	74740	95630	125670	1252070	101370	67290	67290	64580	65945
2	12910	54630	56055	75965	96620	125695	1253560	131670	100015	100015	99010	99010
3	15675	55425	66650	76360	97410	126420	135030	131670	131670	131670	131670	14440
4	14440	36120	57380	76805	98275	136665	12950	13275	97675	97675	97675	65280
5	15060	36635	58608	77655	99095	126950	132950	13275	9945	9945	9945	65945
6	15720	37615	69095	78400	100220	136905	132870	132870	96686	96686	96686	61870
7	16480	38185	59756	79095	101165	136745	132790	132790	95695	95695	95695	60720
8	17375	38955	60625	79845	101980	136500	132710	132710	93225	93225	93225	58520
9	17900	39675	61130	80450	102870	136340	132730	132730	91810	91810	91810	57420
10	18675	40250	61780	81075	103765	136176	132710	132710	91175	91175	91175	56395
11	19425	41110	62385	81665	104665	136610	132790	132790	89910	89910	89910	55340
12	20850	42395	63805	82435	106560	136530	132790	132790	88965	88965	88965	64260
13	21310	42975	64725	82870	107595	136460	132710	132710	87100	87100	87100	53046
14	21815	43750	65405	84475	108660	136270	132870	132870	86860	86860	86860	52925
15	0	22595	66095	85140	109585	135125	132470	132470	85140	85140	85140	682
16	1897	23220	65175	85686	110655	135286	132710	132710	84840	84840	84840	52565
17	2669	23965	66075	86840	111620	135366	132780	132780	83750	83750	83750	62445
18	1897	23220	65175	85686	110655	135286	132710	132710	84840	84840	84840	52565
19	2669	23965	66075	86840	111620	135366	132780	132780	83750	83750	83750	52365
20	4128	25650	67205	87205	114205	135205	132710	132710	81490	81490	81490	52285
21	4871	26425	69490	88240	117740	135205	132720	132720	80310	80310	80310	52285
22	5745	27035	70115	89450	117815	134555	1322950	1322950	79150	79150	79150	52365
23	6130	27780	70800	89660	117960	134640	1322790	1322790	78115	78115	78115	52445
24	7110	28360	71485	90290	122490	125350	1322790	1322790	77050	77050	77050	52606
25	7870	29040	72070	90920	122490	125350	1322790	1322790	76020	76020	76020	52726
26	8465	29810	72935	91620	127675	125350	1322750	1322750	75020	75020	75020	62726
27	9180	30680	73076	91076	127675	125350	1322750	1322750	74150	74150	74150	62685
28	9606	31135	73175	91756	127675	125350	1322750	1322750	73540	73540	73540	62685
29	10840	31870	73675	92675	127675	125350	1322750	1322750	72340	72340	72340	62685
30	11450	32230	74150	93225	127675	125350	1322750	1322750	71350	71350	71350	62685

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.
1	444	522	531	1	1	3	7	7	7	7	7	1
2	1130	1000	645	1010	569	503	552	835	11	517	517	3
3	1130	1130	1130	1010	569	503	552	952	11	11	11	8
4	444	531	531	1010	569	503	552	952	11	11	11	8
5	432	512	484	419	494	494	494	494	11	11	11	4
6	419	470	484	1010	484	1080	470	1080	11	11	11	6
7	419	470	484	1010	484	1080	470	1080	11	11	11	4
8	487	470	484	1010	484	1080	470	1080	11	11	11	8
9	523	475	475	1010	999	1030	470	1030	11	11	11	4
10	462	416	416	1010	564	470	563	470	11	11	11	8
11	449	512	512	1010	569	470	562	470	11	11	11	8
12	440	376	222	222	569	484	485	489	11	11	11	6
13	453	508	222	222	926	465	885	460	11	11	11	8
14	453	480	222	222	947	860	885	489	11	11	11	6
15	483	200	222	222	947	860	835	494	11	11	11	6
16	581	1	11	11	903	830	503	503	11	11	11	7
17	558	501	111	111	850	850	512	1140	1140	1140	1140	116
18	501	599	111	111	840	840	531	1140	1140	1140	1140	994
19	386	111	111	111	850	796	550	1140	1140	1140	1140	994
20	581	111	111	111	110	110	110	110	11	11	11	11
21	483	111	111	111	110	110	110	110	11	11	11	11
22	457	111	111	111	110	110	110	110	11	11	11	11
23	444	111	111	111	110	110	110	110	11	11	11	11
24	444	111	111	111	110	110	110	110	11	11	11	11
25	375	111	111	111	110	110	110	110	11	11	11	11
26	500	111	111	111	110	110	110	110	11	11	11	11
27	444	111	111	111	110	110	110	110	11	11	11	11
28	444	111	111	111	110	110	110	110	11	11	11	11
29	29	111	111	111	110	110	110	110	11	11	11	11
30	30	111	111	111	110	110	110	110	11	11	11	11
31	31	111	111	111	110	110	110	110	11	11	11	11

Ages - Years  
Years - Ages  
109 709 708 1028 898 1028 669 669 432 432 127 127 232 232 463 463 28,460 28,460 13,820 13,820

Yuan  
Miles  
Miles - Yuan  
1130 1130 1130 1130 1010 1010 569 569 1010 1010 503 503 952 952 531 531 1010 1010 598 598 1140 1140 652 652 3,750 3,750 50,980 50,980 65,200 65,200 42,150 42,150

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep't.	Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep't.																																																																																																																																																																																																																																																																																																																																																																																									
1	785	896	387	350	346	358	400	1360	1010	994	1420	1500	2	792	908	383	339	327	362	422	1430	987	922	1360	1500	3	783	908	383	366	346	350	448	1530	980	902	1360	1500	4	775	902	366	366	343	354	477	1650	974	876	1360	1500	5	767	844	366	366	358	379	467	1760	941	889	1360	1470	6	749	811	366	366	339	362	467	1760	941	889	1360	1470	7	743	804	366	366	354	366	458	1730	941	889	1360	1470	8	755	824	374	374	354	366	453	1660	934	856	1360	1470	9	863	818	383	383	354	374	458	1620	954	808	1380	1470	10	804	811	374	374	354	374	463	1560	954	808	1380	1470	11	779	749	331	354	354	374	467	1520	902	908	1370	1390	12	761	743	301	354	395	374	501	1460	915	987	1370	1390	13	749	749	301	354	383	374	511	1440	902	1170	1360	1390	14	870	915	343	374	366	379	678	1410	994	1390	1378	1370	15	870	844	379	379	354	374	626	1380	856	1320	1360	1370	16	902	463	366	366	352	374	678	1350	934	1370	1370	1370	17	915	339	374	366	351	379	660	1410	934	1370	1370	1370	18	870	343	366	366	350	379	678	1440	994	1390	1378	1370	19	798	354	366	354	354	374	626	1340	1040	1340	1370	1370	20	830	354	354	350	350	374	626	1340	1040	1340	1370	1370	21	814	258	358	362	358	391	785	1440	974	1310	1370	1370	22	798	327	327	354	358	366	902	1440	1260	1280	1370	1370	23	779	327	354	354	358	366	902	1440	1220	1180	1370	1370	24	779	362	354	350	350	374	870	1440	1180	1180	1370	1370	25	731	358	350	350	358	374	915	1440	1140	837	824	824	26	811	370	354	354	358	366	900	1440	1140	837	844	844	27	792	362	354	354	358	374	915	1440	1140	837	850	850	28	779	379	370	354	358	366	900	1440	1140	837	844	844	29	798	379	370	354	358	366	900	1440	1140	837	850	850	30	837	379	370	354	358	366	900	1440	1140	837	844	844	31	837	837	837	837	837	837	837	837	837	837	837	837

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	October No. 50	
1	1280	560	705	617	610	1020	2630	1480	1370	1790	1790	1850	1250	1070
2	1280	560	706	618	610	1020	2830	820	1400	1310	1700	1850	1220	1070
3	1280	560	719	647	621	1120	2760	1400	1250	1670	1830	1250	1070	1070
4	1280	560	675	645	660	1180	2830	1180	1370	1370	1670	1830	1250	1070
5	1040	1180	641	652	642	1190	2800	1190	1350	1200	1700	1830	1180	1050
6	1050	1070	672	609	621	989	2720	1290	1290	600	616	672	1110	1070
7	1070	1110	672	616	677	988	2580	1280	1280	648	577	584	1090	1070
8	1070	1090	680	680	648	956	2430	1250	1250	648	577	584	1090	1070
9	1260	1120	698	565	656	956	2580	1280	1280	649	539	565	1090	1250
10	1120	1090	700	605	607	1020	2320	1430	1430	637	605	605	1070	1260
11	1120	975	629	698	664	938	2300	1290	1290	678	664	693	1080	1020
12	1080	1030	493	658	664	938	2300	1340	1290	1290	678	664	962	1070
13	1070	962	480	662	666	1030	2120	1310	1310	661	662	666	1070	1070
14	1070	1150	608	659	678	1060	2060	1310	1310	656	659	678	1070	1150
15	1340	1120	691	660	650	1190	2020	1260	1260	635	660	691	1290	1642
16	1290	874	659	636	588	1310	1980	1290	1290	588	588	657	1310	1310
17	1310	513	642	659	657	1260	2100	1260	1260	617	629	655	580	1250
18	1250	580	694	655	674	1320	2020	1510	1510	617	629	694	1090	1090
19	1090	644	691	633	633	1400	2020	1550	1550	500	500	633	691	1090
20	1030	722	635	645	581	1550	1940	1940	1940	777	581	635	722	1030
21	1190	534	642	645	750	1530	1830	1510	1510	547	547	642	534	1190
22	1080	534	645	642	750	1530	1830	1510	1510	547	547	642	534	1080
23	1090	504	631	619	762	1550	1780	1350	1670	622	626	631	504	1090
24	1070	560	631	619	777	1650	1780	1340	1670	615	626	631	560	1070
25	1080	590	624	648	742	1690	1690	1670	1670	614	624	648	590	1080
26	1050	562	591	575	636	1570	1600	1260	1260	614	624	648	562	1050
27	1090	579	592	575	636	1570	1690	1340	1670	614	624	648	579	1090
28	1070	609	625	649	670	1670	1670	1670	1670	607	625	652	609	1070
29	1110	609	672	652	688	1670	1850	1500	1850	607	625	672	609	1110
30	1190	778	675	675	826	1480	1480	1200	1870	607	625	675	778	1190

- so beschreibt sie "abstrakte Kunst".

Day	Out.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep't.
1	1260	1020	908	4830	2290	951	4910	4750	1430	670	4670	534
2	1250	1020	951	4910	2290	951	4910	4750	1430	600	585	4530
3	1250	1020	951	4910	2290	951	4910	4750	1430	625	572	4930
4	1250	1020	951	4910	2290	951	4910	4750	1430	693	593	3980
5	1240	1020	951	4910	2290	951	4910	4750	1430	739	680	3680
6	1140	1020	951	4910	2290	951	4910	4750	1430	962	830	3980
7	1140	1020	951	4910	2290	951	4910	4750	1430	962	830	3680
8	1150	1020	951	4910	2290	951	4910	4750	1430	962	830	3680
9	1150	1020	951	4910	2290	951	4910	4750	1430	962	830	3680
10	1190	1050	1080	1940	3060	659	1940	642	1610	1070	906	2750
11	1210	1060	1090	1940	3060	659	1940	642	1610	1070	906	2720
12	1240	1050	1090	1940	3060	659	1940	642	1610	1070	906	2750
13	1280	1020	1050	1050	1260	693	1020	1150	1150	1150	1150	2720
14	1120	972	972	972	972	972	972	972	972	972	972	2940
15	1010	940	956	956	3130	940	940	940	940	940	940	2140
16	972	972	976	976	3500	908	908	908	908	908	908	3260
17	930	930	930	930	3260	1020	1020	1020	1020	1020	1020	3260
18	908	908	908	908	3080	1840	1840	1840	1840	1840	1840	2140
19	887	887	887	887	2080	2140	2140	2140	2140	2140	2140	2610
20	856	856	856	856	2080	2140	2140	2140	2140	2140	2140	2140
21	876	876	876	876	2080	2140	2140	2140	2140	2140	2140	2140
22	876	876	876	876	1840	1820	1820	1820	1820	1820	1820	1710
23	908	919	919	919	1710	1580	1580	1580	1580	1580	1580	1610
24	897	897	897	897	1610	1400	1400	1400	1400	1400	1400	1610
25	887	887	887	887	1420	1220	1220	1220	1220	1220	1220	1290
26	856	856	856	856	1290	1120	1120	1120	1120	1120	1120	1290
27	840	836	836	836	1240	1120	1120	1120	1120	1120	1120	1240
28	897	897	897	897	1240	1120	1120	1120	1120	1120	1120	1240
29	919	919	919	919	1120	816	816	816	816	816	816	916
30	940	940	940	940	816	625	625	625	625	625	625	930
31	919	919	919	919	625	470	470	470	470	470	470	930

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Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep't.
Print No. 32												
1	710	2150	1530	1300	2340	4480	1660	730	868	1140	1150	945
2	745	2340	1400	1370	1370	1770	4920	2740	830	874	857	1140
3	786	2300	1470	1370	1370	1510	5030	2860	830	874	857	1140
4	791	2260	1490	1320	1320	1220	4950	3000	3180	4900	1140	786
5	852	2320	1400	1350	1350	1410	4820	2920	808	796	1130	1150
6	1010	2230	1440	1320	1320	1440	4470	2350	1040	818	1110	1080
7	1080	2130	1440	1320	1320	1440	4470	1370	1170	2900	1100	1100
8	1100	2180	1440	1320	1320	1440	4060	2060	1020	802	1110	1080
9	1220	2180	1440	1320	1320	1440	3490	1890	1030	896	1110	1110
10	1520	2220	1450	1300	1300	1790	3300	1790	1740	802	1160	1160
11	1570	2140	1440	1300	1300	1770	3180	2400	730	918	1170	1170
12	1540	2060	1270	1270	1270	1700	3040	2150	660	918	1240	1240
13	1500	2030	1200	1200	1200	1720	2900	1720	605	901	1370	1370
14	1450	2050	1000	1000	1000	1830	1340	1340	620	874	1450	1450
15	1610	2140	1200	1200	1200	1910	2670	1200	630	813	1430	1430
16	2080	2130	1260	1260	1260	2100	2740	962	620	760	1320	1320
17	2270	1890	1270	1270	1270	3000	2200	956	650	710	1250	1250
18	2280	1610	1230	1230	1230	2140	3260	1500	670	710	1210	1210
19	2150	1570	1230	1230	1230	2140	3140	2180	665	665	1190	1190
20	1980	1610	1290	1290	1290	2350	2880	1460	615	695	1150	1150
21	1940	1580	1290	1290	1290	2610	2960	566	710	1110	1110	1110
22	1970	1350	1280	1280	1280	1700	2320	2610	558	710	1130	1130
23	1870	1240	1280	1280	1280	2060	3090	1890	562	695	1130	1130
24	1860	1260	1260	1260	1260	2380	3160	1430	566	725	1120	1120
25	1820	1330	1200	1200	1200	2590	3430	1790	566	730	1110	1110
26	1810	1390	1140	1140	1140	2710	3730	1110	555	755	1090	1090
27	1840	1350	1050	1050	1050	2720	3530	978	566	824	1060	1060
28	1820	1360	1200	1200	1200	2760	3300	1490	553	972	1050	1050
29	1840	1350	1250	1250	1250	2680	3650	912	576	994	1090	1090
30	1800	1390	1250	1250	1250	2580	4110	1260	580	990	1120	1120
31	1890	1390	1250	1250	1250	2550	4210	1260	576	994	1090	1090

E.S.

Year  
AgesAge  
Print No. 32

1,152,960

1,566

1170

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1,09,400

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PILOT LINE ON

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	189	189	187	187	182	170	162	162	162	166	159	159
2	185	185	180	180	182	174	170	165	165	165	162	162
3	182	182	180	180	180	177	177	170	170	170	162	162
4	180	180	175	175	175	170	170	170	170	170	162	162
5	175	175	170	170	170	165	165	165	165	165	159	159
6	172	172	170	170	170	162	162	162	162	162	159	159
7	166	166	162	162	162	159	159	159	159	159	152	152
8	166	166	162	162	162	159	159	159	159	159	152	152
9	160	160	159	159	159	155	155	155	155	155	152	152
10	160	160	159	159	159	155	155	155	155	155	152	152
11	159	159	158	158	158	155	155	155	155	155	152	152
12	159	159	158	158	158	155	155	155	155	155	152	152
13	154	154	153	153	153	150	150	150	150	150	147	147
14	154	154	153	153	153	150	150	150	150	150	147	147
15	154	154	153	153	153	150	150	150	150	150	147	147
16	154	154	153	153	153	150	150	150	150	150	147	147
17	154	154	153	153	153	150	150	150	150	150	147	147
18	154	154	153	153	153	150	150	150	150	150	147	147
19	150	150	149	149	149	146	146	146	146	146	143	143
20	150	150	149	149	149	146	146	146	146	146	143	143
21	150	150	149	149	149	146	146	146	146	146	143	143
22	150	150	149	149	149	146	146	146	146	146	143	143
23	150	150	149	149	149	146	146	146	146	146	143	143
24	150	150	149	149	149	146	146	146	146	146	143	143
25	150	150	149	149	149	146	146	146	146	146	143	143
26	150	150	149	149	149	146	146	146	146	146	143	143
27	150	150	149	149	149	146	146	146	146	146	143	143
28	150	150	149	149	149	146	146	146	146	146	143	143
29	150	150	149	149	149	146	146	146	146	146	143	143
30	150	150	149	149	149	146	146	146	146	146	143	143
31	150	150	149	149	149	146	146	146	146	146	143	143

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Days	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.
95	275	250	290	260	584	572	322	49	58	85	90	56
94	270	260	280	260	549	590	57	52	58	81	90	62
93	270	260	290	260	560	560	52	58	58	79	79	71
92	322	270	290	260	560	560	52	58	58	79	79	71
91	102	290	270	280	250	270	290	270	290	311	300	14
90	105	322	270	290	260	560	560	52	58	58	79	79
89	108	311	290	270	280	290	270	290	270	290	300	14
88	114	300	290	270	280	290	270	290	270	290	300	14
87	118	311	300	290	270	280	290	270	290	311	300	8
86	123	323	311	300	290	270	280	290	270	311	300	8
85	124	126	290	300	332	300	280	260	260	62	67	95
84	127	127	290	300	322	300	280	270	270	62	67	108
83	129	129	300	300	322	300	280	270	270	62	67	124
82	131	124	290	300	332	300	280	260	260	62	67	124
81	132	126	290	300	322	300	280	270	270	62	67	124
80	133	127	290	300	322	300	280	270	270	62	67	124
79	134	129	300	300	322	300	280	270	270	62	67	124
78	135	127	290	300	322	300	280	270	270	62	67	124
77	136	125	280	280	280	280	280	280	280	62	67	124
76	137	125	280	280	280	280	280	280	280	62	67	124
75	138	125	280	280	280	280	280	280	280	62	67	124
74	139	125	280	280	280	280	280	280	280	62	67	124
73	140	125	280	280	280	280	280	280	280	62	67	124
72	141	122	280	280	280	280	280	280	280	62	67	124
71	142	122	280	280	280	280	280	280	280	62	67	124
70	143	122	280	280	280	280	280	280	280	62	67	124
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