

WATER DISTRIBUTION
AND HYDROMETRIC WORK
DISTRICT NO. 36
SNAKE RIVER, IDAHO

1953

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INTRODUCTION

The annual meeting of Water District No. 36 was held at Idaho Falls on March 2, 1953. Lynn Crandall was re-elected as watermaster and the following were elected as members of the Committee of Nine:

N. V. Sharp, Chairman, Leonard Graham, Vice-Chairman, Alex Coleman, Secretary, Charles Welteroth, R. Willis Walker, Roy Marquess, Clifford Scoresby, George D. Hansen, and Wm. Cederberg. Advisory member Merle Tillery representing U. S. Bureau of Reclamation.

Principal resolutions adopted at the meeting included the following:

1. Fixed stored water transmission losses as follows: $2\frac{1}{2}\%$ Moran to Heise, 4.4% Heise to Lorenzo, 0.5% Lorenzo to Woodville, 6% Woodville to Blackfoot, 4% Henrys Lake to Island Park, 2% Island Park to Warm River, 0.5% Warm River to Ashton.

2. Adopted a budget of \$43,570 to cover expenses of operations of the District during the year, of which it was estimated that \$13,000 would be received from Federal and State stream gaging funds.

3. Opposed the construction of Hells Canyon dam by the Federal Government.

Good progress was made during the year on construction operations at Palisades dam, aided by favorable weather conditions and no excessive flows of the river during the floodwater period. Palisades repayment contracts were signed by the canal companies and districts involved in the Palisades winter water savings agreements which were of immediate urgency to insure continuation of work on the dam. Several other contracts, however, still remain to be executed to complete all details in connection with disposal

of the Palisades space, Government-owned space at American Falls and various related matters.

Water supplies were ample in all sections that could be supplied with stored water. Some shortages after early July, however, occurred in the headwater areas such as Teton Basin where the flow of the streams dropped to a fairly low level by late summer.

Warm weather and lack of precipitation after mid-June resulted in a heavy demand on the reservoirs so that by September 30 they had receded to lower levels than have existed on that date since 1941. Even so they had a combined holdover of 921,900 acre-feet on September 30, 1953, or 32% of capacity. The Snake River reservoirs have a combined capacity of 2,872,000 acre-feet, which is about 50% of the average annual run-off of the river at American Falls. Their capacity is adequate to meet the demands in all except extremely dry years.

Water spilled to waste past Milner in excess of Idaho Power Company rights during the year ending September 30, 1953 amounted to 1,156,000 acre-feet or about one-third of the 3,530,000 acre-feet spilled during the preceeding year. Most of the 1953 spill occurred during the winter, only about 320,000 acre-feet spilling after irrigation started in mid-April.

Due to cold weather in May the snow melt was retarded and it was necessary to draw 182,000 acre-feet of storage during that month from American Falls reservoir and about 13,700 acre-feet from Jackson Lake in order to meet the canal demands for water. Both reservoirs later refilled when the snow water melted and sub-

stantial precipitation occurred in early June, so that no charge against the canal companies' storage allotments was made for the storage used during May. Storage draft was resumed again on July 1st and continued in the upper valley until September 30. Storage draft on American Falls reservoir continued until October 6, with about 10,000 acre-feet of stored water being used between September 30 and October 6.

The cooperative study with the U. S. Geological Survey of ground water levels adjacent to American Falls reservoir was continued during the year. The \$1500 contributed by District No. 36 to the cost of this work was charged to the waterusers on the basis stated on page 3 of the 1952 annual report. A progress report by the U. S. Geological Survey was issued during the year giving reports to date of water levels in the measuring wells in the American Falls basin.

Seven new gaging stations were completed by the Bureau of Reclamation on tributaries to Palisades reservoir during the late summer and fall of 1953, and are now being operated by the Idaho Falls office of the U. S. Geological Survey. The cost of installation and operation of these new stations is being paid by the Bureau of Reclamation from Palisades construction funds. They are designed to furnish a record of river gains from above to below the reservoir site for several years under pre-reservoir conditions to develop a basis for comparison with results secured from the same stations after the reservoir is completed. From such comparison it is expected that a method can be devised for the equitable determination of any new losses chargeable to the reservoir and gains

from reservoir bank storage during the drawdown period. The new stations on Snake River, Greys River and Salt River above the reservoir backwater will probably be continuously maintained in the future as they are required to make the calculations specified in the Snake River compact between Idaho and Wyoming. The other four stations on Big Elk Creek, Bear Creek, Indian Creek and McCoy Creek, small tributaries to the reservoir in Idaho, can probably be discontinued after the reservoir has been in operation for a few years and a method developed for segregation of stored water and natural flow at the reservoir outlet.

PERSOINNEL

The persons engaged in water distribution during 1953 were as follows:

Lynn Crandall	Watermaster and Deputy Com. of Reclamation
Henry C. Eagle	Hydr. Engineer and Deputy Watermaster
Melvin Luke	Deputy Watermaster and Hydrographer at St. Anthony
Oleen Dummer	Hydrographer
A. H. Bush	Hydrographer
Charlotte M. Elg	Clerk
C. Drue Cooper	Deputy Watermaster & Hydrographer, Teton Basin
Seth Hansen	Deputy Watermaster, Teton Basin
Joe Bohi	Deputy Watermaster, Lower Teton River
S. B. Garrett	Deputy Watermaster, Henrys Fork
Elmer Lenz	Deputy Watermaster, Upper Fall River
D. R. Anthony	Deputy Watermaster, Heise Division
H. M. Bramwell	Deputy Watermaster, Rigby Division
R. W. Milligan	Deputy Watermaster, Idaho Falls Division
Carl J. Anderson	Deputy Watermaster, Blackfoot Division
R. H. Seymour	Deputy Watermaster and Hydrographer, Milner Dam
F. S. Thomas	Deputy Watermaster, Swan Valley Division
M. L. Tillery	Supt. Minidoka Project, Bureau of Reclamation
A. W. Heath	Supt. Am. Falls Res., Bureau of Reclamation
James L. Braman	Supt. Jackson Lake, Bureau of Reclamation
S. Geo. Pilcher	Supt. Island Park Res., Bur. of Reclamation

Gage Readers: Foster B. Randall, P. S. Jones, F. S. Cowley,
Mrs. Irvin Siepert, James Fugal, D. R. Anthony, J. T. Hobbs,

Jos. H. Bahr, Jr., Darrell Washam, T. E. Culley, Earl D. Sears, Oscar Green, Wm. Hall, J. B. Rennoux, G. A. Smith, A. C. McLane.

SNOW SURVEYS

The results of snow surveys for the past ten years are shown in the following tabulations. The figures for earlier years are shown in previous annual reports of the District.

Depth in Inches (S = Snow, W = Water)

<u>Year</u>	<u>Jan. 1</u>		<u>Feb. 1</u>		<u>Mar. 1</u>		<u>April 1</u>	
	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>
<u>Moran (Snake River)</u>								
1946							31	11.2
1947							31	9.8
1948							37	10.5
1949							40	14.5
1950							45	13.1
1951	30	6.1	40	9.8	41	12.7	37	12.4
1952	34	7.4	39	10.4	45	12.8	44	14.4
1953	19	4.1	38	10.6	42	12.4	35	12.7
Normal	23	4.4	31	7.8	37	10.2	33	11.6

<u>Moran Canyon (Snake River)</u>								
1946							64	22.6
1947							68	24.1
1948							66	22.1
1949							65	23.9
1950							67	21.9
1951	-	-	53	15.8	64	21.8	68	25.7
1952	-	-	59	16.4	62	20.3	70	24.1
1953	-	-	57	16.7	73	22.8	61	24.2
Normal	35	7.2	48	12.8	57	17.6	60	21.0

<u>Arizona Station (Snake River)</u>								
1946							57	20.5
1947							51	17.2
1948							59	18.6
1949							60	22.1
1950							62	20.5
1951	27	6.3	47	11.9	51	16.2	48	16.3
1952	48	11.2	55	15.8	64	20.0	68	24.3
1953	25	5.4	50	13.8	62	18.7	51	19.8
Normal	32	6.5	43	11.4	51	15.4	50	17.6

Depth in Inches (S = Snow, W = Water)

<u>Year</u>	<u>Jan. 1</u>		<u>Feb. 1</u>		<u>Mar. 1</u>		<u>April 1</u>	
	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>
<u>Huckleberry Divide (Snake River)</u>								
1946							52	20.2
1947							59	18.9
1948							61	18.4
1949							70	24.7
1950							77	24.0
1951	30	7.1	50	13.0	58	17.2	58	20.2
1952	48	11.0	59	16.7	65	21.0	73	24.8
1953	27	6.2	52	15.1	65	19.5	53	20.0
Normal	35	7.3	46	12.4	57	16.8	61	19.6

<u>Snake River Station (Snake River)</u>								
1946							58	20.8
1947							58	19.7
1948							67	20.7
1949							77	26.8
1950							74	23.5
1951	32	7.7	54	14.3	63	19.5	63	23.2
1952	50	11.9	60	16.4	65	20.3	75	24.7
1953	30	5.9	52	14.7	66	20.0	54	21.1
Normal	35	7.3	47	12.5	57	17.1	60	19.9

<u>Lewis Lake Divide (Snake River)</u>								
1946							115	46.4
1947							126	48.9
1948							105	37.4
1949							130	52.1
1950							143	53.0
1951	70	21.2	99	32.3	116	42.2	117	50.4
1952	88	25.2	112	36.2	122	45.8	129	52.8
1953	53	12.1	103	31.2	110	39.8	106	45.1
Normal	63	15.6	82	26.4	101	35.1	112	43.2

<u>Aster Creek (Snake River)</u>								
1946							90	33.7
1947							97	36.2
1948							83	27.2
1949							109	41.5
1950							116	43.6
1951	-	-	76	24.5	94	31.9	97	39.9
1952	74	19.4	97	29.9	99	34.5	102	41.3
1953	41	9.1	84	24.5	85	30.7	80	33.0
Normal	47	11.2	62	18.9	75	25.4	84	31.7

<u>Year</u>	<u>Jan. 1</u>		<u>Feb. 1</u>		<u>Mar. 1</u>		<u>April 1</u>	
	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>
<u>Colter Creek (Snake River)</u>								
1946							60	22.5
1947							-	-
1948							-	-
1949							-	-
1950							75	27.3
1951	38	8.6	56	16.0	67	21.8	70	25.6
1952	58	14.0	63	18.2	66	23.8	80	26.3
1953	30	5.9	60	17.5	65	22.0	60	23.9
Normal	39	8.2	51	14.1	62	18.9	63	22.5

<u>Glade Creek (Snake River)</u>								
1946							67	24.4
1947							74	23.6
1948							72	23.1
1949							80	29.0
1950							74	25.3
1951	40	9.4	51	15.1	68	21.1	68	24.8
1952	52	12.8	65	18.1	71	23.5	84	28.2
1953	34	6.8	56	16.8	61	20.6	61	22.4
Normal	40	8.8	52	14.9	64	19.6	66	23.4

<u>Year</u>	<u>Feb. 1-6</u>		<u>Mar. 1</u>		<u>Mar. 23-29</u>	
	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>
<u>Turpin Meadows (Buffalo River)</u>						
1944	18	3.5			29	7.2
1945	28	6.0			37	8.6
1946	35	7.2			34	9.4
1947	31	7.7	39	9.2	32	8.8
1948	31	7.5	-	-	42	10.0
1949	36	9.2	-	-	37	12.3
1950	32	7.1	-	-	51	13.0
1951	36	8.6	44	12.4	44	13.4
1952	34	8.5	40	10.2	48	13.5
1953	34	8.4	36	11.1	48	13.5
Normal	29	6.7	33	8.4	37	10.7

<u>Four Mile Meadows (Buffalo River)</u>						
1944	30	5.5			41	9.4
1945	37	8.6			48	13.0
1946	42	9.6			45	13.4
1947	40	10.0	47	11.6	48	12.8
1948	34	8.6	-	-	48	12.3
1949	40	10.0	-	-	50	15.1
1950	46	11.1	-	-	63	16.8
1951	41	10.3	49	14.5	52	16.4
1952	42	10.4	50	13.4	59	15.9
1953	36	8.8	38	11.2	40	12.5
Normal	34	8.2	41	10.7	46	13.3

Year	Feb. 1-6		Mar. 1		Mar. 23-29	
	S	W	S	W	S	W
<u>Black Rock (Buffalo River)</u>						
1944	39	9.1			60	16.0
1945	39	10.0			62	19.3
1946	62	15.3			66	22.9
1947	63	19.2	73	22.2	76	28.2
1948	48	14.3	-	-	69	20.3
1949	52	15.7	-	-	72	23.6
1950	67	18.4	-	-	89	28.9
1951	64	18.5	72	25.8	79	30.2
1952	58	16.0	65	19.8	78	24.7
1953	53	14.2	53	18.1	56	20.2
Normal	46	12.4	55	16.8	67	22.2

Twoogwotee Pass (Buffalo River)

1944	53	13.3			71	20.4
1945	48	13.4			69	26.1
1946	70	19.7			78	28.8
1947	76	23.7	90	28.4	86	33.3
1948	56	17.6	-	-	81	27.4
1949	64	20.9	-	-	90	32.1
1950	88	26.4	92	31.7	116	38.4
1951	79	23.9	92	32.4	100	39.9
1952	72	20.8	78	25.9	94	32.2
1953	67	18.7	69	24.4	71	27.3
Normal	61	18.7	71	22.8	81	28.8

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W	S	W
<u>Valley View Ranch (Henrys Fork)</u>								
1944	14	2.6	-	-	-	-	41	10.5
1945	22	2.8	-	-	-	-	38	10.0
1946	34	7.2	-	-	46	12.4	50	15.5
1947	37	8.8	43	11.2	49	13.4	46	14.3
1948	26	4.7	32	6.6	39	8.8	50	12.8
1949	33	8.0	42	10.7	60	17.3	56	18.8
1950	32	6.2	45	12.0	52	15.3	62	19.5
1951	17	3.4	31	7.4	45	10.3	48	14.9
1952	49	11.6	67	19.5	70	23.8	81	30.0
1953	31	5.4	38	9.7	46	12.9	44	15.6
Normal	26	5.1	40	10.2	49	13.6	49	15.5

Big Springs (Henrys Fork)

1944	11	1.6	29	6.1	48	12.0	52	15.2
1945	26	3.6	30	7.0	49	13.3	54	16.4
1946	47	9.9	54	13.6	60	18.7	65	23.2
1947	44	12.3	52	15.0	58	17.5	58	20.7
1948	32	7.4	39	10.1	48	13.2	59	18.1
1949	43	11.3	53	15.1	77	26.4	75	27.8
1950	37	7.1	55	14.9	65	20.4	74	25.9
1951	27	6.1	45	13.0	68	18.8	62	22.4
1952	57	12.5	79	24.0	86	31.0	91	34.7
1953	39	7.0	52	14.5	60	18.9	55	21.7
Normal	33	7.1	49	12.9	61	18.4	62	21.4

<u>Year</u>	<u>Jan. 1</u>		<u>Feb. 1</u>		<u>Mar. 1</u>		<u>April 1</u>	
	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>
<u>Island Park (Henrys Fork)</u>								
1944	11	1.0	24	3.6	39	8.3	43	11.7
1945	22	3.1	26	5.2	42	10.5	35	11.3
1946	36	8.0	45	10.2	53	14.4	50	17.1
1947	37	8.9	42	10.6	47	13.8	46	15.1
1948	26	5.6	31	8.0	44	10.2	49	13.8
1949	37	8.4	43	11.6	66	21.8	66	22.5
1950	31	5.9	49	12.8	52	17.3	65	21.6
1951	20	4.0	35	9.1	57	12.9	53	17.6
1952	52	11.1	68	19.7	75	26.4	82	30.6
1953	34	6.2	44	11.1	50	15.1	41	16.2
Normal	28	5.6	42	10.1	52	14.7	50	16.3

<u>Grassy Lake (Fall River)</u>								
1944	36	8.6	42	10.8	61	17.1	63	22.1
1945	60	11.1	60	17.1	79	27.3	84	31.6
1946	66	17.8	90	24.2	89	31.2	87	35.3
1947	49	13.5	63	19.2	65	22.7	77	29.2
1948	51	16.2	56	20.4	80	27.6	100	35.6
1949	71	20.7	70	25.0	102	37.2	112	44.3
1950	44	11.2	68	19.8	89	29.0	101	37.7
1951	64	16.0	72	22.6	96	32.0	91	36.0
1952	73	19.3	90	28.0	103	35.5	121	45.6
1953	50	11.1	79	25.6	87	32.2	84	35.8
Normal	55	15.0	70	22.2	85	29.9	87	34.0

<u>Teton Pass (Teton River)</u>								
1944	-	-	34	8.6	69	15.6	65	21.9
1945	51	10.1	54	15.6	77	24.1	95	30.8
1946	61	18.9	83	24.5	87	31.1	92	34.5
1947	66	21.8	78	27.0	89	31.0	107	42.0
1948	50	14.1	59	20.8	80	26.8	96	30.5
1949	70	22.9	78	28.1	106	42.4	128	49.9
1950	43	13.5	76	23.7	101	33.1	130	43.6
1951	44	12.9	92	29.1	96	34.9	100	40.4
1952	80	21.0	92	31.2	104	38.9	122	45.9
1953	44	11.6	78	24.9	83	30.2	91	36.9
Normal	52	14.6	73	22.9	90	31.3	103	38.0

<u>State Line (Teton River)</u>								
1944	-	-	24	5.1	35	8.3	36	8.4
1945	31	5.6	28	7.0	39	10.3	45	13.1
1946	30	7.1	49	11.0	46	13.2	40	14.0
1947	22	6.1	35	8.8	39	11.0	33	11.0
1948	27	5.8	37	7.2	40	9.9	47	13.1
1949	38	10.3	44	12.8	55	19.4	60	21.7
1950	17	4.6	36	9.2	43	12.2	59	18.3
1951	22	4.9	51	13.2	48	14.4	49	17.3
1952	42	9.7	49	14.6	56	18.3	60	20.0
1953	24	5.3	42	11.1	45	14.2	42	16.1
Normal	27	5.9	40	10.0	46	13.6	47	16.0

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W	S	W
<u>East Rim (Hoback River)</u>								
1944	-	-	-	-	27	5.8	31	7.1
1945	-	-	-	-	31	6.8	33	8.6
1946	-	-	-	-	39	9.5	41	11.6
1947	-	-	-	-	32	8.2	35	9.7
1948	-	-	-	-	31	9.1	34	7.7
1949	-	-	-	-	41	11.4	42	12.5
1950	-	-	-	-	46	15.8	54	17.4
1951	-	-	-	-	55	14.7	49	17.1
1952	-	-	-	-	38	12.0	43	15.3
1953	-	-	-	-	34	11.4	33	10.4
Normal	17	3.4	-	-	37	10.3	40	12.0

<u>Bryan Flat (Hoback River)</u>								
1944	5	0.8	14	2.0	19	3.2	21	5.2
1945	22	3.5	23	4.0	28	7.7	31	7.7
1946	25	5.4	35	7.2	38	7.2	33	9.4
1947	18	4.1	25	6.5	25	7.4	24	9.0
1948	17	4.1	22	4.1	31	7.1	29	7.8
1949	30	6.9	38	9.3	46	14.5	46	15.9
1950	13	2.0	28	7.9	31	9.9	33	11.4
1951	26	4.4	34	7.7	43	10.0	42	14.8
1952	36	7.3	36	10.4	43	13.4	45	16.3
1953	17	3.5	25	8.0	27	9.6	29	12.5
Normal	20	4.0	28	6.7	34	9.4	33	10.8

<u>Yellowjacket Flat (Gros Ventre River)</u>								
1944	-	-	-	-	16	1.0	20	4.7
1946	-	-	-	-	26	5.9	28	5.7
1947	-	-	-	-	24	5.4	25	5.9
1948	-	-	-	-	21	4.7	22	4.9
1949	-	-	27	4.8	30	6.9	30	8.2
1950	-	-	-	-	25	6.0	26	8.3
1951	-	-	35	7.3	38	8.0	38	9.8
1952	-	-	-	-	27	5.6	30	7.1
1953	-	-	20	4.6	23	5.4	16	3.2
Normal	11	1.9	21	4.0	27	5.9	27	6.7

<u>Grover Park Divide (Salt River)</u>								
1944	16	3.0	24	4.4	27	6.1	36	7.8
1945	31	4.2	28	5.4	32	8.2	42	11.2
1946	25	4.1	44	8.0	39	10.0	32	9.1
1947	20	4.8	30	6.8	34	8.1	26	8.3
1948	18	4.0	23	5.4	29	6.6	37	9.5
1949	29	6.8	35	8.9	42	12.6	42	13.4
1950	18	3.9	36	9.8	40	12.2	51	16.6
1951	14	3.8	39	8.2	35	10.1	36	12.5
1952	35	7.6	39	10.7	46	14.0	53	15.9
1953	18	3.7	36	8.8	32	10.2	31	10.6
Normal	22	4.5	32	7.7	35	10.2	37	11.5

<u>Year</u>	<u>Jan. 1</u>		<u>Feb. 1</u>		<u>Mar. 1</u>		<u>April 1</u>	
	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>
<u>GOC Camp FF12 (Salt River)</u>								
1944	16	2.1	21	3.8	28	5.9	40	9.3
1945	-	-	26	5.3	34	9.3	40	10.5
1946	24	4.6	32	7.1	38	8.5	32	9.0
1947	25	5.3	37	8.4	38	9.9	32	10.6
1948	16	3.5	25	5.9	33	8.2	35	9.5
1949	27	6.4	34	8.5	42	12.0	38	12.5
1950	16	3.4	45	11.3	41	12.8	47	16.1
1951	19	4.4	33	8.0	39	10.9	42	13.7
1952	35	7.8	40	11.2	45	13.5	49	16.0
1953	16	3.4	36	8.8	31	9.4	31	10.9
Normal	21	4.5	32	7.6	37	10.2	38	11.9
<u>Deadman Ranch (Greys River)</u>								
1944	-	-	16	1.3	18	2.9	20	5.3
1945	28	4.0	26	4.0	33	8.8	32	8.5
1946	29	3.9	34	7.5	37	10.6	25	9.2
1947	20	6.5	28	5.7	27	7.8	18	6.3
1948	-	-	-	-	33	7.8	33	9.5
1949	-	-	-	-	38	11.5	34	12.2
1950	-	-	-	-	33	12.2	47	14.5
1951	-	-	-	-	36	12.2	37	13.0
1952	-	-	-	-	43	11.9	42	13.3
1953	-	-	-	-	35	11.5	28	10.1
Normal	20	3.4	30	6.4	35	10.1	31	10.0
<u>Greys Boundary (Greys River)</u>								
1944	7	1.0	18	3.0	20	4.9	18	5.3
1945	26	4.8	25	5.5	32	9.1	40	13.1
1946	28	6.9	42	8.6	42	12.9	30	11.5
1947	14	3.7	20	5.7	21	6.7	16	6.6
1948	19	4.5	23	6.6	32	9.0	34	11.6
1949	33	8.1	39	10.7	51	16.6	39	16.5
1950	21	3.1	28	6.1	32	9.3	40	13.9
1951	24	5.5	39	7.8	35	10.6	37	13.2
1952	42	8.1	43	13.2	48	16.1	49	16.9
1953	23	4.9	33	9.9	37	10.6	24	9.3
Normal	23	4.9	32	7.5	36	10.8	31	11.3

On April 1, 1953 the snow (water content) averaged about the following percentages of normal on different parts of the watershed: Jackson Lake watershed 107%, tributaries Moran to Heise 94%, Island Park 100%, Fall River 105%, Teton River 99%. These figures may be compared with run-off for the year ending September 30, 1953, expressed as percent. of average of past years of record, at the

following gaging stations: Snake at Moran 93%, Snake near Heise 90%, Henrys Fork near Ashton 114%, Fall River near Squirrel 99%, Teton River near St. Anthony 90%. The high 1953 run-off on Henrys Fork above Ashton was undoubtedly due to delayed groundwater storage run-off from the heavy snowfall in that area a year earlier in 1952 when the snow in Island Park was 81% above normal.

The Island Park region is underlain by porous volcanic rocks and a large proportion of the melting snow water and rainfall there percolates downward into groundwater storage which drains out later as spring inflow further downstream. This results in a more nearly equalized annual runoff than occurs in other areas where a larger proportion of the precipitation appears as direct surface run-off. Deficient precipitation after early June was the cause of the run-off at stations other than Henrys Fork near Ashton being less than would be expected from the snow surveys.

1953 REGULATION SCHEDULE

May 14	Cut off 1894 rights
" 18	Filled 50% Feb. 6, 1895 right
" 19	Filled 1902 rights
" 21	Filled June 1, 1905 rights
" 23	Filled 1916 rights
" 24	Partly filled Mar. 30, 1921 rights
June 3	Discontinued regulation
" 30	Cut off rights later than Jan. 22, 1916
July 7	Cut off rights later than Aug. 6, 1908
" 10	Cut off rights later than June 16, 1908
" 14	Cut off rights later than Oct. 7, 1905
" 15	Cut off rights later than Mar. 26, 1903
" 15	Filled 10% Feb. 5, 1902 right on Henrys Fork
" 17	Cut rights on Henrys Fork and Fall River to 1900 priority
" 18	Cut to Nov. 15, 1895 on Henrys Fork, 50% of 1898 rights on Teton River
" 19	Cut off 1897 rights
" 20	Cut off rights later than Feb. 6, 1895
" 21	Filled 90% Feb. 6, 1895 right
" 22	Filled 60% Feb. 6, 1895 right

Regulation Schedule - continued

July 23	Filled 50% Feb. 6, 1895 right. Cut Teton rights to 1889
" 24	Filled 30% Feb. 6, 1895 right
" 25	Filled 20% Feb. 6, 1895 right
" 28	Cut off Feb. 6, 1895 right
" 29	Cut off all 1895 rights
Aug. 3	Restored Jan. 9, 1895 right
" 4	Filled 20% Feb. 6, 1895 right
" 6	Cut off Feb. 6, 1895 rights
" 7	Filled 50% Aug. 18, 1894 right
" 8	Cut to 1889 on Teton River
" 10	Filled 50% Dec. 14, 1891 right
" 15	Filled 75% Dec. 14, 1891 right
" 16	Filled May 1, 1892 rights
" 17	Filled June 1, 1894 rights
" 18	Filled 25% Aug. 18, 1894 rights
" 19	Filled 75% Aug. 18, 1894 rights
" 21	Cut off 1894 rights
" 23	Cut off rights later than June 1, 1892
" 24	Cut off May 1, 1892 rights
" 25	Filled 50% Apr. 28, 1892 right
" 27	Filled 50% Dec. 14, 1891 right
" 29	Filled 25% Dec. 14, 1891 right
" 30	Filled 75% Jan. 24, 1891 right
Sept. 1	Filled 50% Jan. 24, 1891 right
" 3	Filled 75% Jan. 24, 1891 right
" 4	Filled 100% Jan. 24, 1891 right
" 5	Filled June 1, 1891 right
" 8	Filled 1/3 Dec. 14, 1891 right
" 9	Filled 50% Jan. 24, 1891 right
" 11	Cut off Nov. 24, 1890 right
" 12	Cut off July 12, 1890 right
" 16	Restored July 12, 1890 right
" 19	Filled 50% Jan. 24, 1891 right
" 21	Filled 50% June 1, 1891 right
" 22	Filled 1/3 Dec. 14, 1891 right

Jackson Lake gates were closed on September 29 and upper valley canals were requested to cut their natural flow diversions down beginning October 1. In this way a moderate amount of water was made available for diversion by all canals after October 1.

Storage use from American Falls reservoir continued until October 6, with about 10,000 acre-feet used after September 30 when records shown herein terminate. This 10,000 acre-feet was delivered to the North Side Canal Company and the Idaho Power Company at

Milner. If American Falls reservoir fills, as expected, in 1954 there will be no charge to these parties for this use in October 1953, otherwise it will be charged against their 1954 allotment.

Storage drafts on the various reservoirs started on the following dates: American Falls July 1, Jackson Lake July 9, Island Park July 15, Henrys Lake July 20, Grassy Lake July 30.

It was necessary to start storage diversions thru the Cross Cut canal on July 15 for Fall River canal users, and July 22 for Teton River users. The Grassy Lake release beginning July 30 was necessary to supplement the available supply in Fall River.

WATER SUPPLY

Run-off at various gaging stations during the year ending September 30, 1953 was as follows:

<u>Station</u>	<u>1953 Run-off (acre-feet)</u>	<u>Average run-off past years (acre-feet)</u>	<u>Years of record</u>	<u>1953 % of Average</u>
Snake River at Moran	969,440	1,039,000	50	93
Snake River at Heise	4,584,000	5,077,000	50	90
Snake River at Neeley	4,824,000	5,706,000	56	84
Fall River near Squirrel	542,900	546,500	40	99
Teton River near St. Anthony	495,900	552,900	26	90
Henry's Fork near Ashton	1,095,000	980,400	33	114
Henry's Fork near Rexburg	1,319,000	1,414,000	45	93

The run-off at Moran and Heise has been corrected for Jackson Lake holdovers; at Neeley for American Falls holdovers; at Ashton for Henrys Lake and Island Park holdovers; at Rexburg for Henrys Lake, Island Park and Grassy Lake holdovers; at Squirrel for Grassy Lake holdovers; and at St. Anthony for discharge from Cross Cut Canal into Teton River.

Owing to the low level of Jackson Lake on October 1, 1952, there was ample space available to absorb the flood water flows until June 23, when it was necessary to spill about 6,000 second-feet for two days as the reservoir reached capacity. The maximum discharge

at the gaging station below the dam occurred July 31-August 1, when 7,000 second-feet were being released from the Lake.

The maximum inflow to Jackson Lake amounted to about 9,900 second-feet on June 12, at which time the outlet gates were still closed.

At the request of the Army Engineers the Jackson Lake gates were closed down on August 5 for two days to allow them to effect the closure of a side overflow channel near Wilson, Wyoming. A week's advance notice of the shut-off was given the upper valley canal companies and no serious damage was reported as a result of the late right owners being without water for a couple of days.

The maximum flow of Snake River near Heise was 25,700 second-feet on June 20, at which time Jackson Lake was storing about 5,000 second-feet. No serious damage was reported from this flood-water discharge, altho some damage to the Butte & Market Lake Canal would likely have occurred if the flow had gotten much higher. The maximum flow at the station on Snake River near Blackfoot occurred on June 15, amounting to 18,500 second-feet, about 10,000 second-feet less than the 1952 peak at that station.

The greatest discharge spilled down the river over Milner dam was 15,900 second-feet on June 10, and the flow at this station was in excess of 10,000 second-feet for only seven days.

The river flow in May, due to cold weather, did not rise as rapidly as the canal demands for water and in order to supply the demands it became necessary to release 182,000 acre-feet of stored water from American Falls reservoir between May 2 and 24th and 13,700 acre-feet from Jackson Lake between May 14 and 18th. Both

reservoirs later reached their capacity contents in June so no stored water charges were made to the various canals for the storage used during May. The tabulations in the plates accompanying this report show only storage charges beginning when the reservoirs started to drop in July after their final filling.

The following tabulation shows a comparison of annual run-off for the year ending September 30, 1953, with April 1 estimates made jointly by the U. S. Weather Bureau and the Soil Conservation Service.

<u>Station</u>	<u>Estimated run-off (acre-feet)</u>	<u>Actual run-off (acre-feet)</u>	<u>% Variation from actual run-off</u>
Snake River at Moran	910,000	969,440	-6%
Snake River near Heise	4,440,000	4,584,000	-3%
Snake River near Shelley	3,610,000	3,727,000	-3%
Snake River near Blackfoot	2,680,000	2,831,000	-5%
Snake River at Neeley	4,620,000	4,824,000	-4%
Snake River near Minidoka	3,900,000	4,162,000	-6%
Henrys Fork near Rexburg	1,370,000	1,317,000	+4%
Fall River near Squirrel	493,000	543,000	-9%
Teton River near St. Anthony	485,000	506,000	-4%

The 1953 estimates appear to be closer to the actual run-off than those made in recent years. This may be due to improvements in forecasting procedures or it may be merely a fortuitous combination of circumstances.

Reservoir holdovers on September 30 during each of the past ten years are shown in the following tabulation:

Holdovers on Sept. 30 in acre-feet

<u>Year</u>	<u>Jackson Lake</u>	<u>American Falls</u>	<u>Lake Walcott</u>	<u>Henrys Lake</u>	<u>Island Park</u>	<u>Grassy Lake</u>	<u>Total</u>
1944	300,570	534,450	78,020	55,900	51,900	6,420	1,027,260
1945	568,030	924,820	91,460	64,200	56,780	13,400	1,718,690
1946	402,740	718,970	83,770	62,700	51,460	12,110	1,331,750
1947	463,990	686,770	94,950	55,600	75,520	13,220	1,390,050
1948	234,260	664,720	88,550	53,300	33,230	12,130	1,086,190

Holdovers on Sept. 30 - continued

<u>Year</u>	<u>Jackson Lake</u>	<u>American Falls</u>	<u>Lake Walcott</u>	<u>Henrys Lake</u>	<u>Island Park</u>	<u>Grassy Lake</u>	<u>Total</u>
1949	273,140	535,030	95,310	52,060	29,060	11,930	996,530
1950	570,390	925,620	93,200	69,100	87,660	12,170	1,758,140
1951	622,680	1,021,300	94,020	71,400	86,180	12,130	1,907,710
1952	281,730	583,000	91,920	62,700	62,520	12,200	1,094,070
1953	232,430	488,000	91,230	65,000	33,940	11,300	921,900
Average	395,000	708,300	90,240	61,200	56,820	11,700	1,323,260

The combined capacity of these reservoirs when full is 2,872,000 acre-feet. The 1953 total holdover was about 32% of capacity.

The year 1953 is only the second time during the past decade that the combined holdover has dipped below 1,000,000 acre-feet, illustrating the series of years of favorable water supply experienced on Snake River during this period.

TRANSFERS AND CHANGES IN POINT OF DIVERSION

The following transfers were issued by the State Reclamation Engineer during the year:

Transfer Certificate No. 809

W. G. Burke and C. W. Burke - 1.04 second-feet of June 1, 1886 and 4.10 second-feet of April 30, 1900 from Nelson ditch to Great Western Canal, after 10% deduction for river losses.

Transfer Certificate No. 813

Fred Dirksen - 2.0 second-feet of June 1, 1893 priority from Warm Creek in Teton Basin, transfer to other lands with no change in point of diversion.

Change in Point of Diversion No. 215

O. C. Clifford, et al. - Change involved 19.2 second-feet of June 1, 1884 priority of waters of Spring Creek near Menan. Due to land leveling operations the creek channel has been filled in and the water is now being diverted from Snake River partly thru the Long Island Canal and partly thru the Bear Trap Slough.

LITIGATION

A suit was filed August 15, 1953 by E. J. Eichmeier vs. Lynn Crandall and Mark Kulp, State Reclamation Engineer, seeking to acquire a decreed right to water being pumped from a well on the Snake River plain southwesterly from Shelley. Owing to uncertainty as to whether the Idaho Summary Decree statute covers groundwater appropriations and other legal difficulties, the attorney for the plaintiff moved in October to have the cause indefinitely postponed until he moves it back on the calendar, and order was issued accordingly.

COMMUNITY LATERAL MANAGERS

In accordance with the provisions of the Idaho statutes the following appointments were made for the 1953 irrigation season:

<u>Manager</u>	<u>Name of Lateral</u>
Dean Wade	Bell McCracken lateral, Teton Basin
John Cooper	Augustine lateral from Danskin Ditch

CANAL DELIVERIES

Daily diversions by upper valley canals from Snake River during May to September 1953 are shown on Plates 6-10 inclusive. Diversions thruout the year by canals below American Falls are shown on Plates 35-45. Miscellaneous measurements of the flow of canals and streams in the headwater areas are shown on Plate 24.

Total diversions during the 1953 irrigation season by all canals in the District, as tabulated in the 1953 Watermaster bill, amounted to 7,627,000 acre-feet, which is 129,000 acre-feet less than in 1952, mostly due to reduced diversions during May and June 1953.

Diversions during 1953 irrigation season by Snake River
Canals (Downstream order from Heise)

(May to Sept. incl. for upper valley canals; Apr. 15 to Sept. 30
for lower valley canals)

Canal	Diversions (Acre-feet)	Acres Irrigated	Acre-feet per acre
Riley	5,370	870	6.2
Progressive Irr. Dist.	217,000 (a)	31,655	6.9
Farmers Friend	94,000	10,950	8.6
Enterprise	41,000	5,000	8.2
Nelson	343	53	6.5
Mattson & Arnsberger	3,800	500	7.6
Ross & Rand	1,030	130	7.9
Butler Island	12,400	1,200	10.3
Steele	1,610	220	7.3
Harrison	111,000	13,000	8.5
Cheney	1,450	180	8.1
Rudy Irr. Co.	51,300	5,500	9.3
Kite & Nord	1,330	200	6.6
Burgess	220,000	22,000	10.0
Clark & Edwards	20,100	1,800	11.1
Lowder Canal Co.	11,600	1,100	10.5
East Labelle	34,800	2,600	13.4
Sunnydell	38,000	3,800	10.0
Lenroot	32,700	4,200	7.8
Reid	43,700	5,300	8.2
Texas Feeder	78,000	9,000	8.7
Nelson Corey	2,160	430	5.0
Hill Pettinger	857	160	5.4
Rigby	44,600	4,000	11.1
Dilts	6,850	800	8.6
Island	44,700	3,600	12.4
W. Labelle - Long Island	137,000	10,500	13.0
Parks & Lewisville	95,700	7,000	13.7
North Rigby	15,200	1,500	10.1
White	918	160	5.7
Ellis	995	100	10.0
Bramwell	2,310	200	11.6
Butte & Market Lake	80,700	20,000	4.0
Osgood	30,800	6,550	4.7
Bear Island & Smith	765	200	3.8
Idaho	260,000 (a)	35,936	7.2
Kennedy	11,500	2,700	4.3
Great Western & Porter	206,000	29,930	6.9
Coy & Keller	476	60	7.9
Woodville	23,700	3,000	7.9
Snake River Valley	151,000 (a)	21,281	7.1
Reservation	83,000 (b)	33,821	2.5
Blackfoot	83,500	15,000	5.6
New Lava Side	35,100	6,000	5.9
Peoples	131,000	20,000	6.5
Aberdeen	301,000	63,000	4.8

Canal	Diversions (acre-feet)	Acres Irrigated	Acre-feet per acre
Corbett	43,000	6,000	7.2
Nielsen-Hansen	1,830	400	4.6
Riverside	35,400	4,000	8.8
Danskin	52,800	6,000	8.8
Trego	17,400	1,600	10.9
Wearryrick	16,200	1,600	10.1
Watson	28,500	3,000	9.5
Parsons	9,630	800	12.0
Minidoka Irr. Dist.	452,000	70,773	6.4
Burley Irr. Dist.	274,000	46,000	6.0
North Side Canal Co.	1,092,000	161,480	6.8
Twin Falls Canal Co.	1,085,000	202,706	5.4
Milner Low Lift	56,000	10,309	5.4
Gooding Project	454,000	65,300	7.0
Total	6,388,124	985,154	6.5

(a) Received additional water from Willow and Sand Creeks

(b) Received additional water from Sand Creek and Blackfoot R.

The total seasonal diversions by these main river canals was about 2% less than in 1952. Of the 3,413,000 acre-feet diverted by lower valley canals 1,309,000 acre-feet or 38.3% was stored water. Upper valley main river canals diverted 2,975,000 acre-feet, of which 432,000 acre-feet or 14.5% was stored water. Upper valley canals used 85,000 acre-feet and lower valley canals 22,000 acre-feet more stored water than they did in 1952.

The following tabulation shows the monthly diversions in various sections of the District during the past ten years:

Year	Diversions in Thousands of Acre-feet Heise to Blackfoot					
	May	June	July	Aug.	Sept.	Season
1944	327	406	679	610	415	2437
1945	337	455	700	629	453	2574
1946	504	585	738	606	400	2833
1947	573	565	774	626	424	2962
1948	301	588	738	627	410	2664
1949	459	646	766	622	466	2959

diversions Heise to Blackfoot - continued

<u>Year</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
1950	417	550	746	699	426	2838
1951	386	700	804	540	491	2921
1952	443	637	782	669	520	3051
1953	399	573	811	669	522	2974
Average	415	570	754	630	453	2822

Henrys Fork and Tributaries
(excluding headwater areas)

1944	157	176	192	178	102	805
1945	141	181	206	168	109	805
1946	215	212	206	175	93	901
1947	198	195	223	173	102	891
1948	144	229	215	173	109	870
1949	201	218	216	174	116	925
1950	181	225	240	205	103	954
1951	160	246	237	136	92	871
1952	210	225	223	181	118	957
1953	180	227	233	189	138	967
Average	179	213	219	175	108	894

Figures are after deduction 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>
1944	16	115	85	180	167	106	669
1945	7	121	122	178	167	102	697
1946	30	154	136	180	160	82	742
1947	50	164	93	182	164	101	754
1948	24	152	150	181	162	94	763
1949	53	139	144	175	153	96	760
1950	34	150	136	184	161	97	762
1951	67	119	154	180	142	111	773
1952	20	164	149	181	171	108	793
1953	37	128	108	189	168	103	733
Average	34	141	128	181	161	100	745

North Side Canal Co. Project

1944	47	156	159	219	219	163	963
1945	54	185	177	223	220	154	1013
1946	61	206	201	226	226	137	1057
1947	81	211	175	228	223	159	1077
1948	67	201	210	224	224	153	1079
1949	65	215	204	231	232	142	1089
1950	73	195	206	233	225	171	1103

North Side Canal Co. Project - continued

<u>Year</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
1951	84	179	213	234	221	170	1101
1952	42	202	225	234	232	174	1109
1953	76	195	190	239	233	176	1109
Average	65	194	196	229	226	160	1070

Twin Falls Project

1944	53	160	148	212	218	161	952
1945	53	184	175	214	217	156	999
1946	78	202	194	213	217	133	1037
1947	91	212	170	220	220	141	1054
1948	84	202	195	215	223	150	1069
1949	86	211	193	219	217	145	1071
1950	68	194	201	222	219	164	1068
1951	86	189	200	222	211	168	1076
1952	59	215	212	227	230	173	1116
1953	104	204	184	227	224	167	1110
Average	76	197	187	219	220	156	1055

Gooding Project

1944	5	63	73	93	90	67	391
1945	14	75	77	90	80	61	397
1946	19	80	85	90	79	57	410
1947	28	79	71	88	78	59	403
1948	21	76	77	89	83	67	413
1949	25	76	84	93	84	65	427
1950	21	79	89	96	90	73	448
1951	23	73	93	97	91	73	450
1952	0	65	84	92	95	72	408
1953	33	80	79	98	94	74	458
Average	19	75	81	93	86	67	421

Diversions during May and June, due to cold weather and rain, were generally less than for the same months during the past several years. From July to September, however, they were mostly greater than normal due to warm dry weather.

Total daily diversions in District No. 36, including headwater areas, reached a peak of about 29,000 second-feet on June 19-20, the maximum that has so far been recorded, with practically all ditches above Blackfoot running bank-full at the time.

RIVER DATA

The daily segregation of stored water and normal flow at the several reservoir outlets and gaging stations was based on the same rules and methods that have been used for many years past.

At Jackson Lake the daily reservoir drop is converted to second-feet and called stored water, the balance of the flow at the gaging station below the dam being called normal flow. Results are averaged over short periods to eliminate sharp daily fluctuations in the normal flow so computed, resulting from wind effect on the Lake gage, etc.

The scheduled transmission losses are charged to the daily storage flow at the various gaging stations and together with storage diversions are subtracted to obtain the daily flow of stored water at the next downstream gaging station. This procedure is continued downstream as far as the Blackfoot gaging station. The method used for segregating the outflow from Jackson Lake does not allow for increased loss caused to natural flow when the lake is full due to increased evaporation, etc., and when the river channel levels are held up by stored water. Accordingly it is the practice to lag a day or so behind on priority cuts for several weeks after draft begins on that reservoir until about 10,000 acre-feet of stored water has been used to hold on natural flow priority rights. This water is later recovered for the storage owners when Jackson Lake is drawn down to a point where bank storage drains back into the reservoir and when large cuts are made in the amount of storage being carried in the river, thereby allowing river bank storage to drain back into the stream. It is felt that this method of operation

results in approximately the same amount of natural flow being available as would have occurred under pre-reservoir conditions. After the 1900 priority rights are cut off there is no normal flow to be delivered past Blackfoot from the upper to lower valleys. The normal flow available for lower valley canals thereafter is restricted to that supplied by inflow entering the river below the Blackfoot bridge. This amounts to about 190 second-feet plus inflow from Blackfoot River by the time the Blackfoot gaging station is reached. Accordingly, the normal flow at that gaging station after rights of 1900 priority are cut off is computed as 190 second-feet plus inflow from the Blackfoot River, and the balance of the daily flow is tabulated as stored water. The seasonal storage totals so computed are adjusted to agree with the theoretical seasonal storage total passing the lowest canal headings near Blackfoot.

The normal flow discharged from American Falls Reservoir is computed daily as the normal flow at the Blackfoot station plus inflow entering the river or reservoir between that station and Neeley. The inflow is computed from daily records of the flow of Portneuf River and Aberdeen project wasteways, measurements about every three weeks of spring water inflow with quantities interpolated between measurements, and unmeasurable inflow calculated from the Newell formula = 840 plus $1/3$ of the measured inflow, exclusive of Portneuf River floodwaters. The unmeasured inflow from deep seated springs ranged from 1320 to 1330 second-feet during 1953.

Between Neeley and Milner no loss is charged to stored water as it is carried only a few miles in the river channel before dropping into Lakes Walcott and Milner. The natural flow at the Neeley

station is delivered to those rights entitled to it from day to day under their priorities at the Minidoka and Milner dams and any balance diverted by them is classed as stored water. This method of operation usually results in a stored water gain between Neeley and Milner, which mostly comes as return flow from the Minidoka Project. Under an interpretation of the Foster decree that has been in effect since the entry of that decree in 1916 this gain between Neeley and Milner on days that the Minidoka project is using water in excess of its valid decrees is credited to that Project.

Since the construction of American Falls reservoir there appears to be less loss and more gain in Lake Walcott between Neeley and Minidoka dam than formerly existed. This may be due to losses from American Falls reservoir or increased ground water flows from upstream irrigation entering the upper end of Lake Walcott underground in the vicinity of Lake Channel. If this is the case it is a situation that has arisen since the entry of the Foster decree and there may be some question whether the Minidoka Project would be entitled to claim this increased inflow under the terms of the Foster decree. The question of the exact determination of such possible increased inflow is complicated by the fact that it is a small percent. of the river flow and difficult to determine accurately by subtraction of measured flows at Neeley and Minidoka on account of possible small errors in the river measurements that would be a large percent. of the inflow. Any conclusive determination of the matter would involve the drilling to ground water of some test holes between American Falls and the Lake Channel region which together with measurements on existing wells could be used to prepare in accurate detail a ground water map of the area.

The question of segregation of stored water and natural flow at the outlet of Henrys Lake is one that is difficult of accurate determination without spending considerable money on detailed special investigations. Outside of the floodwater period the flow of the various tributaries is all diverted for irrigation on the bench lands surrounding the lake. Part of the water so used is consumed by the crops, mostly hay, and the balance sinks to the groundwater levels, whence it drains in most part into Henrys Lake either underground or in the form of springs that rise adjacent to the lake and flow into it as surface inflow in numerous small channels and seeps. Part of the ground water may drain away and come into the Henrys Fork further downstream as at the lake outlet the ground water levels are at some distance below the lake level.

During past years there have been various measurements made of inflow to Henrys Lake, together with studies of the action of the lake when little water was being discharged. As a result of such experience the recent practice has been to estimate the natural flow at the reservoir outlet so as to show a seasonal loss in the lake of from 1,000 to 1,500 acre-feet attributable to its use as a reservoir.

This is probably as equitable an arrangement as could be devised without spending a considerable sum of money to keep a man employed from May to September for several years measuring water there in great detail.

The segregation between stored water and normal flow at the outlet of Island Park reservoir is based on the results of special

studies and measurements for a period of several years prior to construction of the reservoir and continued for several years thereafter. As a result it was determined that this reservoir when full created a new loss in stream flow of about 30 second-feet but that an equal amount of gain from reservoir bank storage returned to the stream when the lake levels were drawn down.

In order to avoid adversely affecting individual rights a loss of 30 second-feet is charged to the stored water for a period of three weeks after reservoir draft begins. Towards the end of the season a gain in released storage of the same amount is credited for a similar period. Using these adjustments and storage inflow from Henrys Lake the daily drop in reservoir levels is used as the basis for segregation of flow, smoothed out to avoid large variations in daily normal flow.

Due to the small size of Grassy Lake and its relatively tight storage basin the stored water releases at that point are calculated from the daily drop in lake levels.

For simplicity in tabulation the right of the Fremont-Madison District to 12 second-feet of the flow of Sheridan Creek, the inflow to the river from Market Lake Springs, and the gain in the river between Neeley and Minidoka credited to the Minidoka project are all classed as storage rights, as they are all special rights handled in distribution in the same manner as stored water.

Net total stored water passing the Blackfoot station during the year ending September 30, 1953, amounted to 104,893 acre-feet, about 40,000 acre-feet less than in 1952. It takes three days for stored water from Jackson Lake to reach Blackfoot with many intervening

tributaries and diversions that cause fluctuations in the stream flow. The difficulty of operating the river so as to have just the right amount of water at Blackfoot will be greatly reduced when Palisades reservoir is completed as the time interval will be reduced by one day and fluctuations due to changing inflow and diversions above Palisades will be eliminated.

STORED WATER DELIVERIES

The amounts of water owned by various companies and districts in Jackson Lake and American Falls reservoirs were changed in 1953 in most cases from previous years under the terms of the Palisades contracts. The allotments as made by the Bureau of Reclamation were as follows:

1953 Allotments in Acre-feet (Downstream order from Heise)

<u>Canal</u>	<u>American Falls</u>		<u>Jackson Lake</u>	<u>Total</u>
	<u>Owned</u>	<u>Lease</u>		
Poplar Irr. Dist.	190	79	2,072	2,341
Progressive Irr. Dist.	3,531	997	16,163	20,691
Farmers Friend	0	0	2,000	2,000
Enterprise	2,524	1,200	17,651	21,375
Harrison	3,401	0	20,567	23,968
Rudy	749	1,513	5,430	7,692
Burgess	2,686	2,739	17,413	22,838
Lowder	0	0	1,040	1,040
Sunnydell Irr. Dist.	0	0	4,000	4,000
Lenroot	1,094	586	8,008	9,688
Reid	721	293	3,300	4,314
Dilts	250	67	1,147	1,464
Enterprise Irr. Dist.	2,882	0	13,189	16,071
Butte & Market Lake	1,320	6,611	6,041	13,972
Osgood (U.I.S.Co.)	3,807	3,134	17,423	24,364
Bear Island	54	29	247	330
Smith	20	0	92	112
Kennedy	0	0	355	355
Idaho	6,480	735	29,661	36,876
Martin	567	336	4,098	5,001
New Sweden	7,277	1,887	38,311	47,475
Woodville	1,710	196	7,828	9,734
Snake River Valley	7,457	0	49,135	56,592

<u>Canal</u>	<u>American Falls</u>		<u>Jackson</u>	<u>Total</u>
	<u>Owned</u>	<u>Lease</u>	<u>Lake</u>	
Blackfoot	3,610	1,459	16,523	21,592
Peoples	6,057	3,354	35,723	45,134
Aberdeen	15,645	20,908	114,296	150,849
Corbett	961	178	4,396	5,535
Trego	371	0	1,701	2,072
Minidoka District	236,030	20,889	0	256,919
Burley District	157,942	5,678	0	163,620
Milner Low Lift	45,687	3,332	0	49,019
Twin Falls Canal	151,185	0	97,183	248,368
Hillsdale Irr. Dist.	41,146	0	0	41,146
N. S. Canal Co.	414,090	45,763	312,007	771,860
Gooding	400,000	0	0	400,000
Idaho Power Co.	45,000	0	0	45,000
U. S.	0	13,593	0	13,593
Total	1,564,444	135,556	847,000	2,547,000

American Falls water was rented by the United States to non-lease holders in 1953, as follows:

Lower Valley	1,200 acre-feet
Upper Valley main river	10,853 "
Upper Valley Henrys Fork	<u>1,540</u> "
Total	13,593 acre-feet

The supply of water for rent by the government being insufficient to meet the demands, the Twin Falls Canal Company, at the request of the Watermaster, rented 12,779 acre-feet of its Jackson Lake water to various users in the upper valley, mostly individuals.

The Blackfoot Irrigation Company also rented 6,000 acre-feet of its storage to the Peoples Canal Company. All these rentals were at the rate of 30¢ per acre-foot, reservoir measurement. These various rentals, while of small aggregate amount in comparison to total use of water in the district, were of great value to the many individuals securing the water in enabling them to mature their crops which could not otherwise have been accomplished.

The Market Lake Springs discharged 1,601 acre-feet into the

river near Roberts during the regulation period. This is equivalent to 1,726 acre-feet at Jackson Lake. For convenience in tabulation this amount was credited to the Owners Mutual Irrigation Company for diversion thru the Kennedy ditch and with other Jackson Lake storage rights used under that ditch was charged the regular schedule transmission losses on stored water from Jackson Lake.

The usual items covering Lake Walcott storage and gain from Neeley to Milner were credited to the Minidoka Project as shown on Plate 14.

The summarized details covering allocation and use of stored water during the year are shown in the following tabulation. The figures do not include 182,000 acre-feet used from American Falls and 13,700 acre-feet from Jackson Lake during May, which were canceled out due to those reservoirs filling again during June to full capacity.

Supply and Disposal of Stored Water, 1953
(acre-feet)

Supply

Jackson Lake	July 9	847,740
American Falls	July 1	1,701,000
Lake Walcott	July 1	92,860
Island Park	July 15	134,395
Henrys Lake	July 20	77,800
Grassy Lake	July 30	15,200
Sheridan Creek right		1,976*
Market Lake Springs		1,726*
Gain Neeley to Milner (Minidoka Project)		58,149*
Gain Neeley to Milner (unallocated)		<u>1,284*</u>
Total		2,932,130

*Special natural flow rights considered as storage for convenience in tabulation.

Disposal

Used by Snake River rights	1,788,017
Used by Henrys Fork rights	142,322
Transmission losses Snake River	51,344
Transmission losses Henrys Fork	3,268
Transmission losses Cross Cut Canal	1,785
Henrys Lake loss	1,100
American Falls Reservoir loss, unallocated	17,665
Storage waste past Milner, unallocated	1,680
Holdovers, September 30:	
Jackson Lake	232,430
American Falls	488,000
Lake Walcott	91,230
Island Park	33,940
Henrys Lake	65,000
Grassy Lake	11,300
In transit September 30	<u>3,049</u>
Total	2,932,130

In reports for past years it has been the practice to show water used by individual canals from each Jackson Lake and American Falls reservoirs. This information was required in connection with reservoir assessments for maintenance and operation. The situation will be different in the future on account of the new reservoir contracts. Furthermore, the situation with respect to the reservoir rights will not be definitely clarified until all the new reservoir contracts have been completed and signed. As a result it appears useless to attempt to determine at this time the extent to which the canals' use of stored water in 1953 should be charged to individual reservoirs. If the reservoirs all fill in 1954 such determination will be unnecessary; if they do not fill the matter can be decided at the time the 1954 reservoir allotments are made.

RIVER LOSSES AND GAINS

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

Gain in Snake River, Moran to Heise, 1953
(Heise dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Total
Moran	23,822	50,565	153,720	161,272	122,395	511,774
Heise & Riley	257,699	559,885	408,517	290,808	217,070	1,733,979
Tot. gain s.f.	233,877	509,320	254,797	129,536	94,675	1,222,205
Mean gain s.f.	7,544	16,980	8,219	4,179	3,156	7,988
Tot. gain ac.f.	463,889	1,010,222	505,383	256,931	187,785	2,424,210

The seasonal gain for the five months was about 81% of the gain during the same period in 1952. Most of the deficiency occurred during the snow melting period in May and June but some shortages also occurred in August and September.

Gain in Snake River, Heise to Shelley, 1953
(Heise dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Total
Heise & Riley	257,699	559,885	408,517	290,808	217,070	1,733,979
Rexburg	66,348	126,780	36,216	36,674	39,560	305,578
Total Supply	324,047	686,665	444,733	327,482	256,630	2,039,557
Diversions	134,548	210,994	291,292	240,738	199,458	1,077,030
Shelley	212,400	500,860	181,740	123,140	90,690	1,108,830
Total Use	346,948	711,854	473,032	363,878	290,148	2,185,860
Tot. gain s.f.	22,901	25,189	28,309	36,396	33,518	146,313
Mean gain s.f.	739	840	913	1,174	1,117	956
Tot. gain ac.f.	45,423	49,962	56,150	72,190	66,482	290,207

The seasonal gain was slightly greater than in 1952 due to a gain in May instead of the usual loss. This was probably due to very low river flow in May 1953 so the river did not flood over the gravel bars between Heise and Lorenzo as usual. The gain during July, August and September 1953 averaged 1,070 second-feet compared to 1,140 second-feet during the same months in 1952.

Gain or loss in Snake River, Shelley to Blackfoot, 1953
(Shelley dates and 24-hr. sec.-ft. except as noted)
- is loss

Station	May	June	July	Aug.	Sept.	Total
Shelley	208,920	502,940	184,890	124,370	90,830	1,111,950
Blackfoot R.	8,144	8,438	1,219	1,404	586	19,791
Total Supply	217,064	511,378	186,109	125,774	91,416	1,131,741
Diversions	66,657	78,080	117,606	96,397	63,587	422,327
Blackfoot	145,203	419,100	77,138	35,795	33,030	710,266
Total Use	211,860	497,180	194,744	132,192	96,617	1,132,593
Tot.diff.s.f.	- 5,204	-14,198	8,635	6,418	5,201	852
Mean diff.s.f.	- 168	- 473	279	207	173	6
Tot.diff.ac.f.	-10,322	-28,162	17,128	12,730	10,316	1,690

A loss occurred during the high water months with a gain during July to September, inclusive, which is the usual occurrence in this section of the river.

Gain or Loss in Snake River, Blackfoot to Neeley, 1953
(Neeley dates and 24-hr. sec.-ft. except as noted)
- is loss

Station	May	June	July	Aug.	Sept.	Total
Blackfoot	140,848	423,795	82,558	35,645	32,495	715,341
Inflow	92,158	92,554	85,440	86,997	83,784	440,933
Res. draft	69,071	-71,088	229,396	243,513	140,662	611,554
Total supply	302,077	445,261	397,394	366,155	256,941	1,767,828
Diversions	35	50	62	62	30	239
Neeley	294,280	427,000	388,900	366,600	255,930	1,732,710
Total Use	294,315	427,050	388,962	366,662	255,960	1,732,949
Tot.diff.s.f.	- 7,762	-18,211	- 8,432	507	- 981	-34,879
Mean diff.s.f.	- 250	- 607	- 272	16	- 33	- 228
Tot.diff.ac.f.	-15,395	-36,121	-16,725	1,006	-1,946	-69,181

During the period of storage drawdown July 1 to September 30, there was a net loss in this section, which includes American Falls reservoir, of 17,665 acre-feet, or about 1% of reservoir capacity, compared to a net gain of 22,733 acre-feet during the drawdown period in 1952.

In addition to the reservoir loss the measured inflow to the river and reservoir between Blackfoot and Neeley stations, mostly from groundwater, during the months July to September, was about 20,000

acre-feet less in 1953 than in 1952, and it was also less than in 1950 and 1951.

The reservoir loss in 1953 may be due in part to the dry weather conditions causing greater evaporation losses, together with reduced diversions by upstream projects, but it may also be partly due to increased groundwater pumping in the adjacent areas. Such pumping may have reduced the inflow from the deep seated springs to lesser amounts than those calculated from the Newell formula. The reduction in the measured inflow may also be due in part to the same groundwater pumping. If reductions in inflow continue to occur during the next few years increased emphasis will be placed on groundwater pumping as a likely cause for the reduction in stream flow. There have been around 50,000 acres of land developed by pumping from groundwater between Blackfoot and American Falls during the past several years which would deplete the groundwater flow by about 90,000 acre-feet annually. Part of this is in the area tributary to American Falls reservoir and part in an area where the groundwater drains to Hagerman Valley.

Gain or Loss in Snake River, Neeley to Minidoka, 1953
(Minidoka dates and 24-hr. sec.-ft. except as noted)
- is loss

Station	May	June	July	Aug.	Sept.	Total
Neeley	294,720	425,800	388,200	366,800	258,370	1,733,890
Walcott rel.	-3,776	1,079	- 776	892	1,407	-1,174
Total Supply	290,944	426,879	387,424	367,692	259,777	1,732,716
Misc. diver.	50	100	93	93	66	402
N. Minidoka	38,015	29,229	53,940	46,050	28,280	195,514
S. Minidoka	26,405	25,414	41,440	38,610	23,540	155,409
Minidoka	240,880	379,300	294,680	281,210	207,120	1,403,190
Total Use	305,350	434,043	390,153	365,963	259,006	1,754,515
Tot.diff.s.f.	14,406	7,164	2,729	-1,729	- 771	21,799
Mean diff.s.f.	465	239	.88	- 56	- 26	142
Tot.diff.ac.f.	28,574	14,209	5,413	-3,429	-1,529	43,238

The gain during May and June was considerably above normal probably due to the abundant precipitation that occurred during those months. There are 2,000 square miles of drainage area tributary to the river between Neeley and Minidoka stations. The gain from July to September was about the same as during those months in 1952.

Gain in Snake River, Minidoka to Milner, 1953
(Milner dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Total
Minidoka	241,745	378,060	294,300	281,285	209,965	1,405,355
Misc. diver.	40	70	93	93	42	338
P. A.	1,855	1,758	2,227	2,298	1,476	9,614
Milner Low Lift	5,203	4,814	6,509	6,622	4,947	28,095
Gooding	66,440	64,910	80,530	77,480	61,590	350,950
No. Side	70,550	68,910	87,440	84,860	63,340	375,100
So. Side	103,030	92,880	114,610	113,060	84,250	507,830
Milner	5,188	155,811	9,339	9,766	4,712	184,816
Tot. use s.f.	252,306	389,153	300,743	294,179	220,357	1,456,743
Tot. gain s.f.	10,561	11,093	6,448	12,894	10,392	51,388
Mean gain s.f.	341	370	208	415	346	336
Tot. gain ac.f.	20,948	22,002	12,790	25,575	20,613	101,928

The total seasonal gain was about the same as in 1952. The overall gain from Neeley to Milner July 1 to September 28 when the Minidoka Project was drawing storage, amounting to 58,149 acre-feet, was credited to that project as part of its storage supply, in accordance with practice that has prevailed in past years.

DISTRIBUTION ON HENRYS FORK

Melvin Luke, Deputy Watermaster at St. Anthony, continued to be in immediate charge of water distribution on Henrys Fork, Fall River and lower Teton River.

There was an adequate water supply in this area, but heavy use of stored water resulted in drawing Island Park Reservoir down to a lower level than has occurred for the past several years. This was

partly due to retention of 65,000 acre-feet holdover in Henrys Lake. It would take three years' run-off to fill Henrys Lake in a series of dry years due to limited drainage area, hence it will provide more storage water in dry years if enough holdover, when possible, is kept in Henrys Lake to insure that reservoir being filled the following spring.

Under this method of operation there may be years when part of the Henrys Lake holdover will have to be delivered to Island Park to replace overdraft on that reservoir if Island Park should fail to fill. If, however, Island Park fills from the winter inflow, as is usually the case, the water holdover in Henrys Lake will then all become available for the Henrys Lake rights. Due to this situation the construction of Island Park dam has been of much value to the owners of Henrys Lake storage by greatly increasing the yield of Henrys Lake in a dry year following a year of near normal run-off.

The extremely heavy snowfall that existed in Island Park in the spring of 1952 evidently made large contributions to ground water storage in that region, all of which did not drain out in 1952. As a result this area was the only portion of the upper Snake River drainage basin that had a run-off above normal during the year ending September 30, 1953.

Storage draft from Island Park began July 15, Henrys Lake July 20 and Grassy Lake July 30. This is the first time for several years past that draft from Grassy Lake was required to meet diversion demands on Fall River in excess of what could be supplied thru the Cross Cut Canal.

The usual methods for segregation of stored water and normal

flow were used in 1953. They are described on pages 26 and 27 of this report.

Water was turned into the Cross Cut Canal on July 15 to supply demands under the Fall River Canal. The diversion was increased on July 22 in order to furnish water to Teton River canals, and diversions continued in varying amounts until September 26 when the Cross Cut headgates were closed. Losses in this canal during the period of delivery to Teton River in 1953 averaged about 15%. Storage delivered through the Cross Cut Canal to Teton River from July 22 to September 26, 1953, amounted to 10,183 acre-feet.

Two trips were made by H. C. Eagle on July 22, 23 and August 26 into Island Park for water regulation purposes. The waterusers in this section whose priority rights were cut either owned Fremont-Madison District stored water or rented some storage to meet their requirements. Details of storage diversions above Island Park reservoir are shown on Plate 22. Results of measurements made by Mr. Eagle in 1953 in the Island Park section are as follows:

July 22, 23

Sheridan Creek above diversions	29.6	second-feet
Sheridan Creek below Stringer diversions	7.2	"
Grubb diversion from Icehouse Creek	2.0	"
Al. Frazier diversion from So. Twin Creek	0.8	"
D. F. Richards diversion from So. Twin Cr.	3.7	"
Ab. Laird diversion from No. Twin Creek	2.0	"
D. F. Richards diversion from Howard Cr.	0.5	"
Salisbury diversion from Howard Creek	4.0	"
Howard Creek below Salisbury diversion	1.0	"
Phillips Finley diversion from Targhee Cr.	1.0	"
Salisbury diversion from Targhee Creek	13.0	"
Observed inflow to Henrys Lake	21.0	"

Aug. 26

Sheridan Creek above diversions	25.6 second-feet
Morain Creek	3.0 "
Sheridan Creek at highway 22	7.1 "
Sheridan Creek below R. R. ranch	3.0 "
North R. R. ditch at road	3.0 "
Icehouse Creek below highway 22	12.0 "
Grubb diversion from Icehouse Creek	2.0 "
R. R. ranch diversion from Willow Creek at ranch	1.0 "

The 1953 reservoir allotments on Henrys Fork were as follows:

Henrys Lake Allotment, 1953

Lake contents, July 20	77,800 acre-feet
deduct dead storage and loss (est.)	<u>3,000</u> "
Net available for allotment	74,800 acre-feet

<u>Allotted</u>		
Dewey	1.43%	1,070 acre-feet
Last Chance	13.87	10,375 "
St. Anthony Union	6.8	5,086 "
Salem Union	24.2	18,102 "
Egin	6.8	5,086 "
Independent	26.8	20,046 "
Consol. Farmers	<u>20.1</u>	<u>15,035</u>
100.0		74,800 acre-feet

From July 20 to September 25 the Henrys Lake contents decreased 12,800 acre-feet. During the same period the stored water discharged past the outlet station amounted to 11,700 acre-feet, showing an indicated loss in the Lake during this period of 1,100 acre-feet, chargeable to storage in the Lake above its base natural elevation.

Fremont-Madison District Allotment
1953

Island Park	July 15	135,395 acre-feet
Grassy Lake	July 30	15,200 "
Sheridan Creek right		<u>1,976</u> "
Total		151,571 acre-feet

The Sheridan Creek right is a decreed right of 12 second-feet, converted into acre-feet for the regulation period to get the total shown above.

The District allocated 129,961 acre-feet to its landowners including a proportionate share of its surplus water above regular allotment to those needing same. It also rented an additional 2,990 acre-feet to District landowners for a total allocation of 132,951 acre-feet.

Snake River storage water allocated in 1953 for use on Henrys Fork through exchange was as follows, reservoir measurement:

Enterprise District - American Falls	2,882 acre-feet
Enterprise District - Jackson Lake	13,189 "
U. S. rentals leased water	1,540 "
Twin Falls Canal Co. rentals - Jackson Lake	<u>1,876</u> "
Total	19,487 "

Allowing for 7.26% transmission loss this would be equivalent to 18,070 acre-feet at the Rexburg gaging station.

As shown on Plate 21, there was a minus storage balance of 13,896 second-feet or -27,560 acre-feet for the season at the Rexburg station indicating a use of 27,560 acre-feet of Snake River water on Henrys Fork during 1953. Accordingly, as of September 30, 1953, Island Park reservoir owed 9,490 acre-feet, Rexburg measurement, to American Falls reservoir if the latter fails to fill in 1954. Henrys Lake also owed about 20,000 acre-feet to Island Park Reservoir at the close of the 1953 season to replace Island Park water borrowed for delivery to Henrys Lake rights. If Island Park Reservoir fills in 1954 this charge against Henrys Lake will be canceled.

Diversions during 1953 irrigation season from
Fall River, Henrys Fork and lower Teton River

Canal	Area		
	Diversions (acre-feet)	Irrigated (acres)	Acre-feet per acre
<u>Fall River Canals</u>			
Yellowstone	2,620	475	5.5
Marysville	41,000	15,000	2.7
Farmers Own	15,100	4,800	3.2
Almy	399	80	5.0
Enterprise	38,100	5,920	6.4
Bell	2,640	320	8.3
Fall River	102,000 (a)	9,000	11.3
McBee	292	54	5.4
Chester	9,250	1,350	6.8
Silkey	3,050	680	4.5
Cur	10,100	1,300	7.8
Total Fall River	224,551	38,979	5.8

(a) Includes 25,100 acre-feet diverted thru Cross Cut.

<u>Henrys Fork Canals</u>			
Dewey	5,610	1,000	5.6
Last Chance	17,600	1,850	9.5
St. Anthony Union	136,000	10,000	13.6
Farmers Friend	26,400	2,800	9.4
Twin Groves	36,200	2,600	13.9
Salem Union	49,300	5,700	8.7
Egin	78,500	6,000	13.1
St. Anthony U. Feeder	18,700	2,000	9.4
Independent	68,800	7,000	9.8
Consolidated Farmers	59,500	6,000	9.9
Total Henrys Fork	496,610	44,950	11.0

<u>Lower Teton Canals</u>			
Siddoway	3,040	500	6.1
Wilford	25,100	2,500	10.0
Teton Irrig.	23,900	2,000	11.9
Good Luck	3,830	400	9.6
Pioneer	3,150	300	10.5
Stewart	4,150	360	11.5
Pincock-Byington	4,190	400	10.5
Pincock-Garner	5,370	480	11.2
Teton Isl. Feeder	100,000	10,400	9.6
Roxana	3,060	720	4.2
Island Ward	4,050 (b)	3,000	1.4
Woodmansee-Johnson	5,040 (c)	1,300	3.9
City of Rexburg	7,200	1,200	6.0
Rexburg Irrig.	52,200	5,280	9.9
McCormick Rowe	724	150	4.8
Saurey Sommers	3,140	600	5.2

1953 diversions on Henrys Fork, Fall R. & lower Teton R. - cont'd

Canal	Diversions (acre-feet)	Area Irrigated (acres)	Acre-feet per acre
<u>Lower Teton canals - cont'd</u>			
Gardner	383	200	1.9
Eames-Thompson	310	160	1.9
Total lower Teton	248,837	29,950	8.3
Total Fall R., Henrys Fork & lower Teton R.	969,998	113,879	8.5

(b) Used additional water from Henrys Fork thru Consolidated Farmers

(c) Used additional water from Moody Creek and Teton Irr. canal waste.

Total diversions by all these canals was about 9,000 acre-feet greater than in 1952. Their stored water diversions were 142,300 acre-feet or 14.7% of their total diversions, compared to 107,880 acre-feet storage diversions in 1952.

Diversions by some of the larger canals in the headwater areas for the irrigation season May 15 to September 30, 1953 are shown in the following table:

Canal	Diversions (acre-feet)	Irrigated Area (acres)	Acre-feet per acre
String Canal	14,000	2,400	5.8
Trail Creek Irrig.	29,000	5,000	5.8
Fox Creek Canals	13,200	3,800	3.5
Darby Creek Canals	19,000	4,900	3.9
Grand Teton Canal	30,800	6,500	4.7
Canyon Creek Canal	4,800	2,400	2.0
Conant Creek Canal	4,150	2,000	2.1
Squirrel Creek Canal	1,420	400	3.5

Gain in Henrys Fork Basin, 1953

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

Lake to Island Park	20 hrs.
Island Park to Ashton	19 hrs.
Ashton to St. Anthony	5 hrs.
St. Anthony to Rexburg	12 hrs.
Squirrel to Chester	8 hrs.
Tetonia to St. Anthony	10 hrs.

Gain in Henrys Fork, Lake to Island Park, 1953

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

Station	May	June	July	Aug.	Sept.	Season
Lake	716	2,129	5,514	3,376	1,746	13,481
I. P. release	- 4,285	204	15,188	20,371	15,496	46,974
Total Supply	- 3,569	2,333	20,702	23,747	17,242	60,455
Island Park	27,478	30,978	36,217	38,545	32,165	165,383
Tot.gain s.f.	31,047	28,645	15,515	14,798	14,923	104,928
Mean gain s.f.	1,002	955	500	477	497	686
Tot.gain ac.f.	61,581	56,816	30,773	29,352	29,600	208,122

The gain was less each month than in 1952, the total for the season being 73% of the 1952 gain. The decrease was due to lesser snowfall in 1953.

Gain in Henrys Fork, Island Park to Ashton, 1953

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

Station	May	June	July	Aug.	Sept.	Season
Island Park	26,623	31,210	35,724	38,838	32,532	164,927
Ashton	66,080	67,660	60,170	62,900	53,980	310,790
Tot.gain s.f.	39,457	36,450	24,446	24,062	21,448	145,863
Mean gain s.f.	1,273	1,215	789	776	715	952
Tot.gain ac.f.	78,261	72,298	48,488	48,726	42,542	289,315

The gain was less each month than in 1952, the greatest difference being in May. The seasonal gain was 72% of that during the same period in the preceding year.

Gain in Henrys Fork, Ashton to St. Anthony, 1953

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

Station	May	June	July	Aug.	Sept.	Season
Ashton	65,863	67,818	60,062	62,971	54,115	310,829
Chester	36,412	61,043	8,031	4,174	5,289	114,949
Total Supply	102,275	128,861	68,093	67,145	59,404	425,778
Diversions	29,620	29,936	35,328	33,358	24,836	153,078
St. Anthony	73,570	102,910	36,758	36,573	37,730	287,541
Total Use	103,190	132,846	72,086	69,931	62,566	440,619
Tot.diff.s.f.	915	3,985	3,993	2,786	3,162	14,841
Mean diff.s.f.	30	133	129	90	105	97
Tot.diff.ac.f.	1,815	7,904	7,920	5,526	6,271	29,436

The average gain of 97 second-feet for the season compares with 32 second-feet in 1952. The average July-September gain was 108 second-feet compared to 61 second-feet for those months a year ago.

Gain in Fall River, Squirrel to Chester, 1953

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

Station	May	June	July	Aug.	Sept.	Season
Squirrel	43,355	71,607	23,165	15,734	14,919	168,780
Diversions	13,148	19,875	19,235	14,442	11,436	78,136
Chester	36,466	60,928	7,844	4,208	5,281	114,727
Tot.acct. for	49,614	80,803	27,079	18,650	16,717	192,863
Tot.gain s.f.	6,259	9,196	3,914	2,916	1,798	24,083
Mean gain s.f.	202	307	126	94	60	157
Tot.gain ac.f.	12,415	18,240	7,763	5,784	3,566	47,768

The gain for the season was 64% of that in 1952. It was less each month than a year ago except June when it was about the same each year. Most of the 1953 deficiency compared to the previous year occurred in May, due to colder weather.

Gain in Teton River, Tetonia to St. Anthony, 1953

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

Station	May	June	July	Aug.	Sept.	Season
Tetonia	8,540	22,582	16,150	12,303	8,752	68,327
Cross Cut Inflow	0	0	1,255	2,566	1,313	5,134
Total Supply	8,540	22,582	17,405	14,869	10,065	73,461
St. Anthony	26,587	60,650	32,174	21,824	16,214	157,449
Tot. gain s.f.	18,047	38,068	14,769	6,955	6,149	83,988
Mean gain s.f.	582	1,269	476	224	205	549
Tot. gain ac.f.	35,795	75,507	29,294	13,795	12,197	166,588

The seasonal gain was about 79% of the gain during the same period in 1952. The gain was a little greater in June and July, much less in May, and moderately less in August and September than it was a year ago.

Gain in Henrys Fork and Teton River, St. Anthony to Rexburg, 1953

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

Station	May	June	July	Aug.	Sept.	Season
Teton R.	26,587	60,650	32,174	21,824	16,214	157,449
Henrys Fork	73,570	102,910	36,758	36,573	37,730	287,541
Total Supply	100,157	163,560	68,932	58,397	53,944	444,990
Teton diver.	21,481	33,476	31,282	22,568	16,578	125,385
Hen. Fk. diver.	25,717	25,526	25,760	21,239	15,368	113,610
Rexburg	67,443	125,785	35,901	36,709	39,640	305,478
Tot. acct. for	114,641	184,787	92,943	80,516	71,586	544,473
Tot. gain s.f.	14,484	21,227	24,011	22,119	17,642	99,483
Mean gain s.f.	467	708	775	714	588	650
Tot. gain ac.f.	28,729	42,103	47,625	43,872	34,992	197,321

The seasonal gain averages 22 second-feet less, or 3%, than a year ago. It was slightly greater during May and July and less during the remaining months. The gain in this section is practically all supplied by return flow from irrigation use.

TETON BASIN

G. D. Cooper, stationed at Driggs, again filled the position as deputy watermaster in Teton Basin. Stream flows in that section held up fairly well from melting snow until about July 10, but dropped rapidly thereafter, due to lack of rainfall.

There were no new developments during the year in relation to further discussion of a suggested compact providing for division of water, particularly on Teton Creek, between Wyoming and Idaho. The water was divided between the two states in 1953 under the terms of the Federal Court decree, as has been the case since the decree was entered in 1940.

Stored water was used in Teton Basin in 1953, through exchange for natural flow, on the established basis of diverting 1.625 times the amount of storage delivered through the Cross Cut Canal to lower Teton River. Based on a long series of measurements made over a number of years the Teton River users agreed in effect that this would give the lower users as much water as they would receive if the upper rights were cut off according to priority and the natural flow water allowed to flow down the stream channels.

Storage diversions during 1953 in Teton Basin amounted to 11,972 acre-feet, compared to 6,775 acre-feet diverted in 1952. Teton Basin users were allotted 7,707 acre-feet by the Fremont-Madison Irrigation District and rented an additional 1,476 acre-feet of Jackson Lake water, reservoir measurement, which would have entitled them to divert 13,065 acre-feet at their headgates. Details of their storage use are shown on Plate 23.

The flow of Teton Basin streams, except Trail Creek, dropped after the latter part of July to amounts insufficient to reach Teton River if allowed to flow down the natural stream channels and thereafter such streams were regulated according to local priorities.

The discharge of various streams and canals in Teton Basin are shown on Plate 24 for days when readings were secured, except for one miscellaneous measurement on Mill Creek, a tributary of Teton Creek as follows: at bridge, August 18 - Gage 0.40, Discharge 2.6 second-feet.

Mr. Seth Hansen of Tetonia was appointed to act as deputy water-master on South Leigh Creek, on an hourly basis for time actually worked. One-half of this cost, amounting to \$144.00, was charged as a special expense to users on that stream.

Regulation was discontinued in Teton Basin early in September due to the necessity for Mr. Cooper to return to his work as school teacher at Rexburg, and water distribution thereafter was handled by the local users among themselves, without undue difficulty.

SWAN VALLEY

F. S. Thomas again acted as deputy watermaster in Swan Valley. Owing to the impact of the Palisades dam on wages and living conditions in that area, it was necessary to pay \$14 per day, including use of car, to secure the services of a deputy. Of this amount \$5.00 per day was charged as a special item to Swan Valley users to cover the cost of distributing water down the ditches and \$9.00 per day was charged as a general District No. 36 expense.

Stored water rentals in Swan Valley amounted to 415 acre-feet in 1953.

The results of various measurements made by Mr. Thomas are shown on Plate 24.

PRECIPITATION IN INCHES

(Actual and normal for year ending September 30, 1953)

Month	Snake R.		Moran		Jackson		Bedford		Irwin	
	Act.	Nor.	Act.	Nor.	Act.	Nor.	Act.	Nor.	Act.	Nor.
Oct.	0	2.02	0	1.62	0	1.24	0	1.66	0	1.26
Nov.	0.40	2.85	0.32	1.85	0.45	1.08	0.98	1.51	0.52	1.15
Dec.	4.65	3.19	2.42	1.96	1.46	1.50	1.67	1.74	2.29	1.25
Jan.	8.32	3.96	4.10	2.29	2.33	1.55	5.45	1.93	2.03	1.42
Feb.	3.70	3.14	1.84	2.20	.70	1.52	1.03	1.73	.65	1.15
Mar.	2.48	3.41	1.73	2.08	1.24	1.34	2.31	1.74	1.20	1.14
Apr.	1.78	2.17	1.44	1.72	.47	1.29	1.46	1.58	.80	1.06
May	3.48	2.41	2.28	1.87	1.84	1.71	3.23	2.08	2.27	1.67
June	1.99	2.45	1.71	1.80	1.57	1.39	2.32	1.78	1.70	1.53
July	0.50	1.50	0.18	1.15	0.12	.88	.51	.95	.31	.97
Aug.	1.37	1.56	.62	1.35	.57	1.36	.82	1.17	1.16	.87
Sept.	.81	1.80	.71	1.71	.41	1.50	.26	1.33	.39	1.18
Year	29.48	30.46	17.35	21.60	11.16	16.36	20.04	19.20	13.32	14.65

Month	Ashton		Idaho Falls		Pocatello		Twin Falls		Av. 9 stas.	
	Act.	Nor.	Act.	Nor.	Act.	Nor.	Act.	Nor.	Act.	Nor.
Oct.	0	1.28	0	.98	0	1.68	0	0.91	0	1.41
Nov.	0.85	1.30	0.54	.79	0.82	1.03	0.27	1.08	0.57	1.40
Dec.	1.26	1.64	1.08	1.06	1.34	1.15	.69	.90	1.87	1.60
Jan.	1.63	1.88	.63	1.31	1.39	1.21	1.76	1.10	3.07	1.85
Feb.	.71	1.52	.11	.97	.51	.93	.43	.88	1.07	1.56
Mar.	.91	1.21	.25	1.08	.52	1.13	.52	.85	1.24	1.55
Apr.	.78	1.16	1.05	.94	1.23	1.32	.89	1.11	1.10	1.37
May	1.55	1.71	2.15	1.24	1.57	1.21	1.90	1.03	2.25	1.66
June	1.91	1.66	1.09	1.21	.77	1.02	1.55	.81	1.63	1.52
July	.02	.94	.09	.62	.04	.76	0	.35	0.20	.90
Aug.	.29	.79	.05	.59	.78	.72	.13	.22	0.64	.96
Sept.	0	1.12	.07	.82	.06	.90	.03	.57	0.30	1.21
Year	9.91	16.21	7.11	11.61	9.03	13.06	8.17	9.81	13.94	16.99

The average precipitation was above normal in December, January, May and June and below normal during the other months. No precipitation was recorded at any station in October. January precipitation on the Jackson Lake watershed above Moran was the heaviest for that month since snow survey records began in 1919 and was an important factor in the 1953 runoff from that area. The average precipitation for the year at the nine stations was 82% of normal. At Snake River and Bedford stations, however, the total for the year was about a normal amount.

EXPENDITURES DURING YEAR ENDING DECEMBER 31, 1953

Engineers and Hydrographers

Lynn Grandall	Salary 1 year	\$9,129.30
Henry C. Eagle	Salary 1 year	6,601.56
Melvin Luke	Salary 5 months @ \$325 mo.	1,625.00
A. H. Bush	Salary 3 months @ \$300 mo.	900.97
Oleen Dummer	Salary 4.30 mo. @ \$300 mo.	1,290.00
C. D. Cooper	Salary 3.40 mo. @ \$300 mo.	1,020.00
R. H. Seymour	Salary 0.87 mo. @ \$300 mo.	259.76

Clerks

Charlotte M. Elg	Salary 1 year	3,655.08
Beth Jaussi	Salary 17 days	102.00

River Riders

D. R. Anthony	116 days @ \$9.50 incl. mileage	1,102.00
H. M. Bramwell	116 days @ \$9.50 " "	1,102.00
R. W. Milligan	60 days @ \$10.50 " "	630.00
C. J. Anderson	116 days @ \$9.25 " "	1,073.00
F. S. Thomas	89 days @ \$14.00 " "	1,246.00
Elmer Lenz	2.45 mo. @ \$75.00 " "	183.55
Joe Bohi	82 days @ \$10.00 " "	820.00
S. B. Garrett	82 days @ \$10.00 " "	820.00
Seth Hansen	144 hr. @ \$2.00 " "	288.00

Miscellaneous

Transportation, 44,446 miles @ 7¢ a mile	3,111.22
Telephone and Telegraph	568.67
Supplies and Equipment	2,199.86
Gage Readers	658.65
Bond Premium and Insurance	89.58
Interest	94.35
Social Security	182.03
Miscellaneous	544.70
Ground Water Investigations	1,500.00
Postage	54.47

Total \$40,851.75

Expenditures from various funds

Water-users Funds	\$23,799.82
State of Idaho Stream Gaging Fund	3,201.81
U. S. Geological Survey	13,850.12

Total \$40,851.75

In addition to the foregoing, upper valley members of the Committee of Nine were paid \$580.30 for services at \$10.00 per day, and expenses, which was pro-rated among upper valley canals.

Funds on hand January 1, 1954

District No. 36 Water Distribution Fund	\$11,596.19
State of Idaho Stream Gaging Fund	1,646.37
U. S. Geological Survey	<u>7,728.91</u>
Total	\$20,971.47

PRINCIPAL STREAMS AND GAGING STATIONS WATER DISTRICT NO. 36

0 10 20 30
SCALE IN MILES

NO. STATION

- 1 JACKSON LAKE AT MORAN
- 2 SNAKE RIVER AT MORAN
- 3 SNAKE RIVER NEAR HEISE
- 4 SNAKE RIVER NEAR SHELLEY
- 5 SNAKE RIVER AT CLOUGH RANCH, NEAR BLACKFOOT
- 6 AMERICAN FALLS RESERVOIR AT AMERICAN FALLS
- 7 SNAKE RIVER AT NEELEY
- 8 LAKE WALCOTT NEAR MINIDOKA
- 9 NORTH SIDE CANAL NEAR MINIDOKA
- 10 SOUTH SIDE CANAL NEAR MINIDOKA
- 11 SNAKE RIVER NEAR MINIDOKA
- 12 P.A. LATERAL NEAR MILNER
- 13 GOODING CANAL AT MILNER
- 14 NORTH SIDE CANAL AT MILNER
- 15 SOUTH SIDE CANAL AT MILNER
- 16 MILNER LOW LIFT CANAL AT MILNER
- 17 SNAKE RIVER AT MILNER
- 18 HENRYS LAKE NEAR LAKE
- 19 HENRYS FORK NEAR LAKE
- 20 ISLAND PARK RESERVOIR NEAR ISLAND PARK
- 21 HENRYS FORK NEAR ISLAND PARK
- 22 HENRYS FORK AT WARM RIVER
- 23 HENRYS FORK NEAR ASHTON
- 24 GRASSY LAKE NEAR MORAN
- 25 FALL RIVER NEAR SQUIRREL
- 26 FALL RIVER NEAR CHESTER
- 27 HENRYS FORK AT ST. ANTHONY
- 28 TETON RIVER NEAR TETONIA
- 29 TETON RIVER NEAR ST. ANTHONY
- 30 HENRYS FORK NEAR REXBURG
- 31 BLACKFOOT RIVER NEAR BLACKFOOT
- 32 SNAKE RIVER NEAR IRWIN



9-279-1 Sept 1911

UNITED STATES DEPARTMENT OF THE INTERIOR

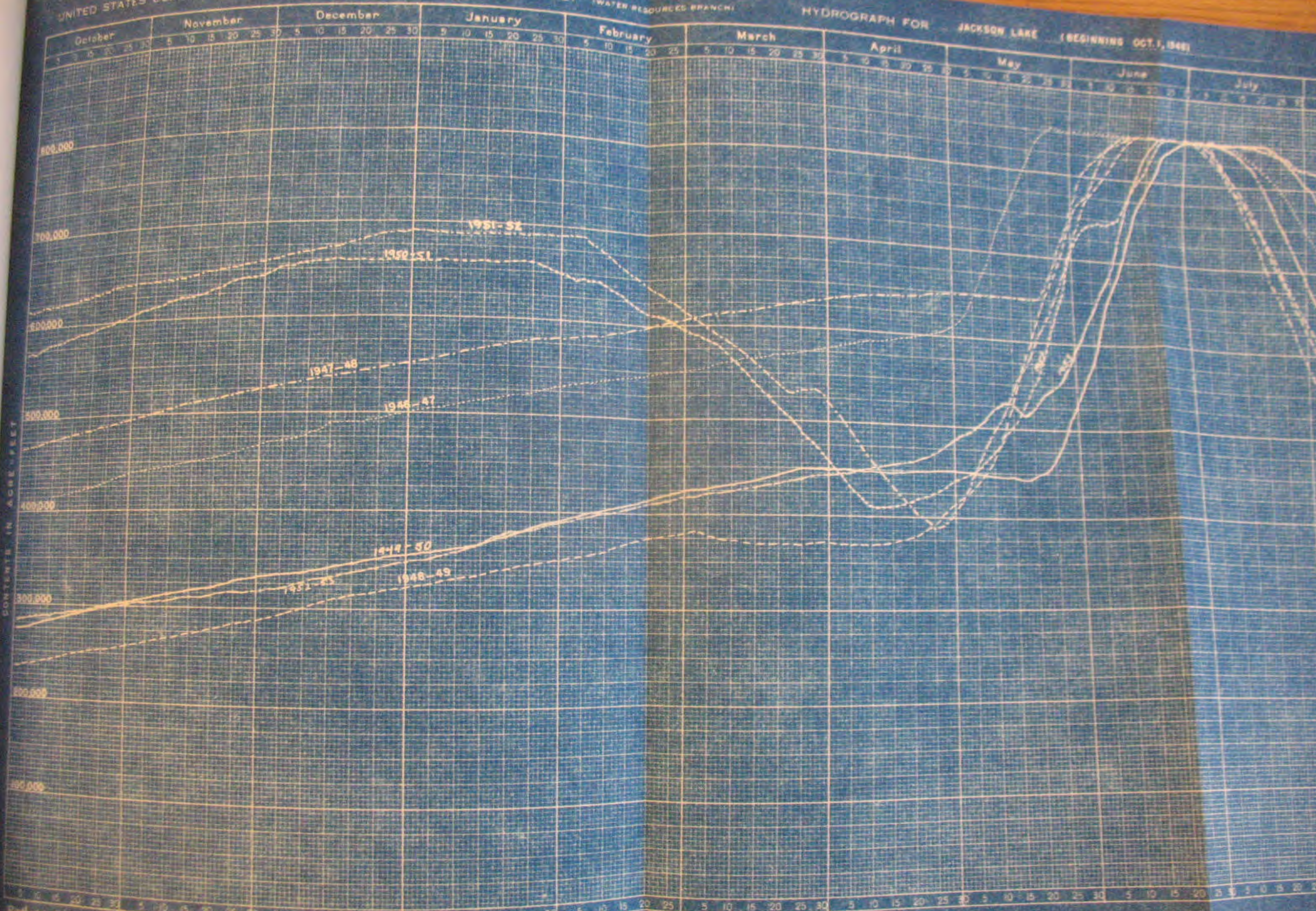
GEOLOGICAL SURVEY

(WATER RESOURCES BRANCH)

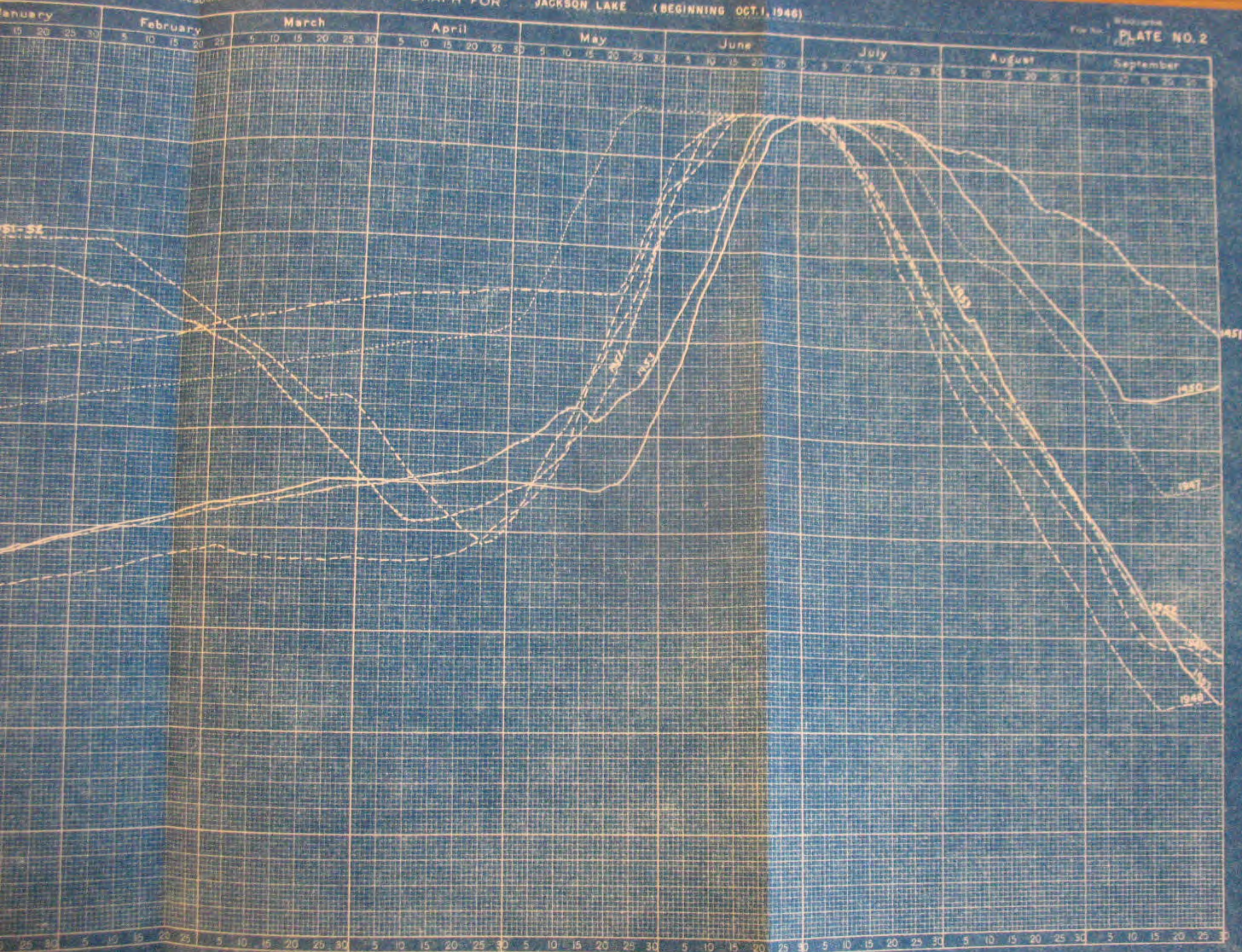
HYDROGRAPH FOR

JACKSON LAKE

(BEGINNING OCT. 1, 1948)



Plotted by _____
Checked by _____
Date _____



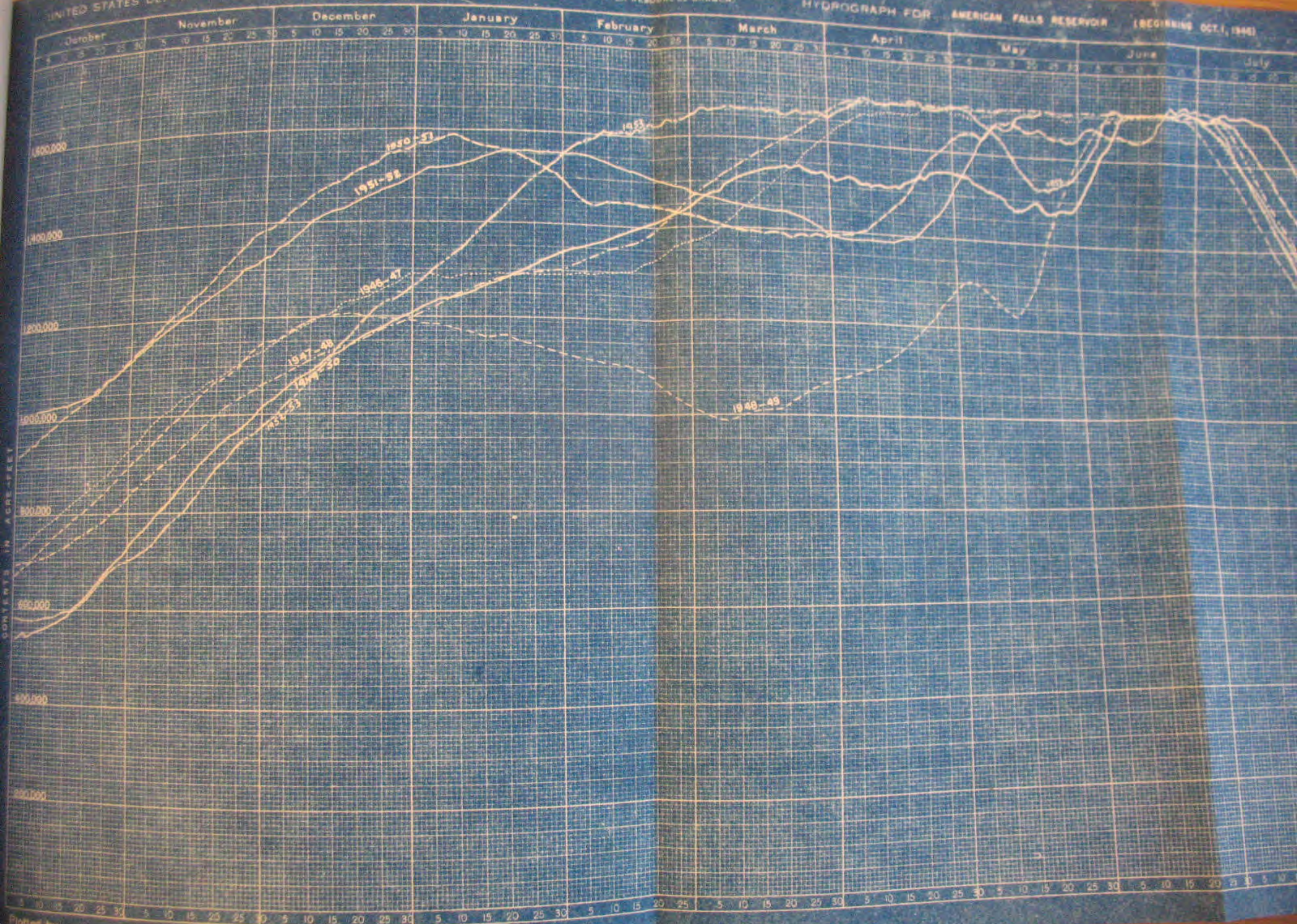
1927-28 Sept 1918

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

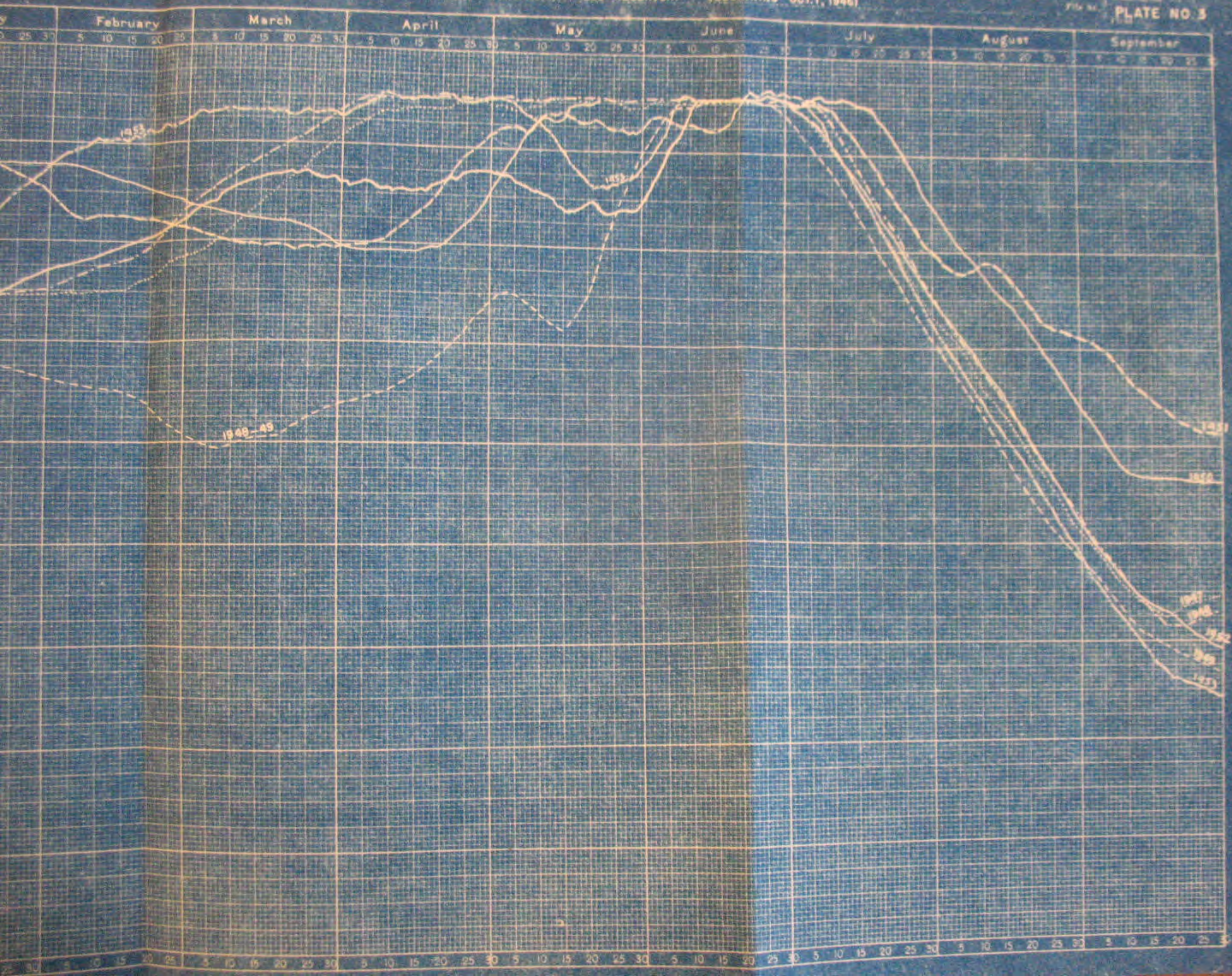
WATER RESOURCES BRANCH

HYDROGRAPH FOR AMERICAN FALLS RESERVOIR (BEGINNING OCT. 1, 1945)



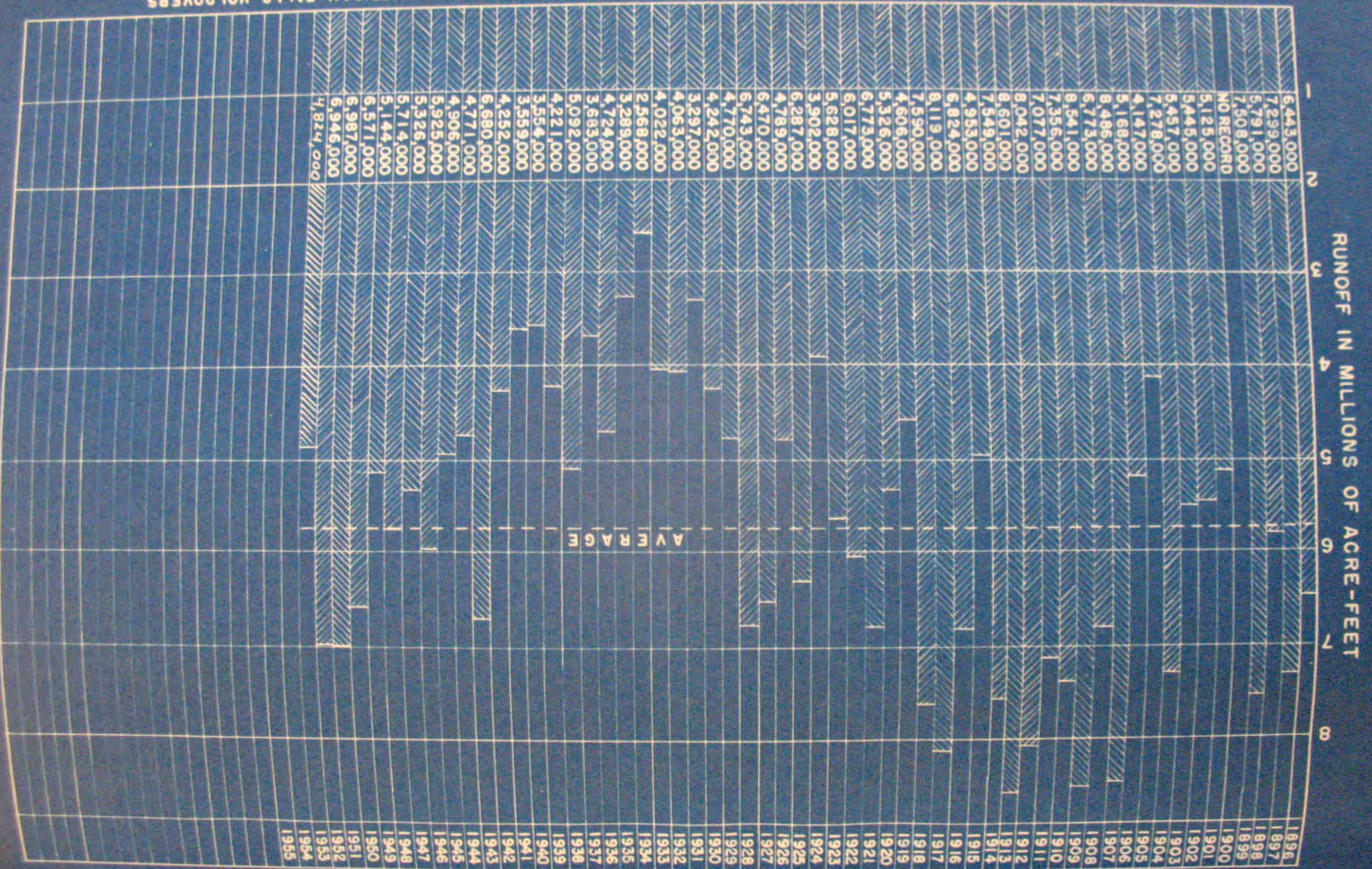
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HYDROGRAPH FOR AMERICAN FALLS RESERVOIR (BEGINNING OCT. 1, 1946)



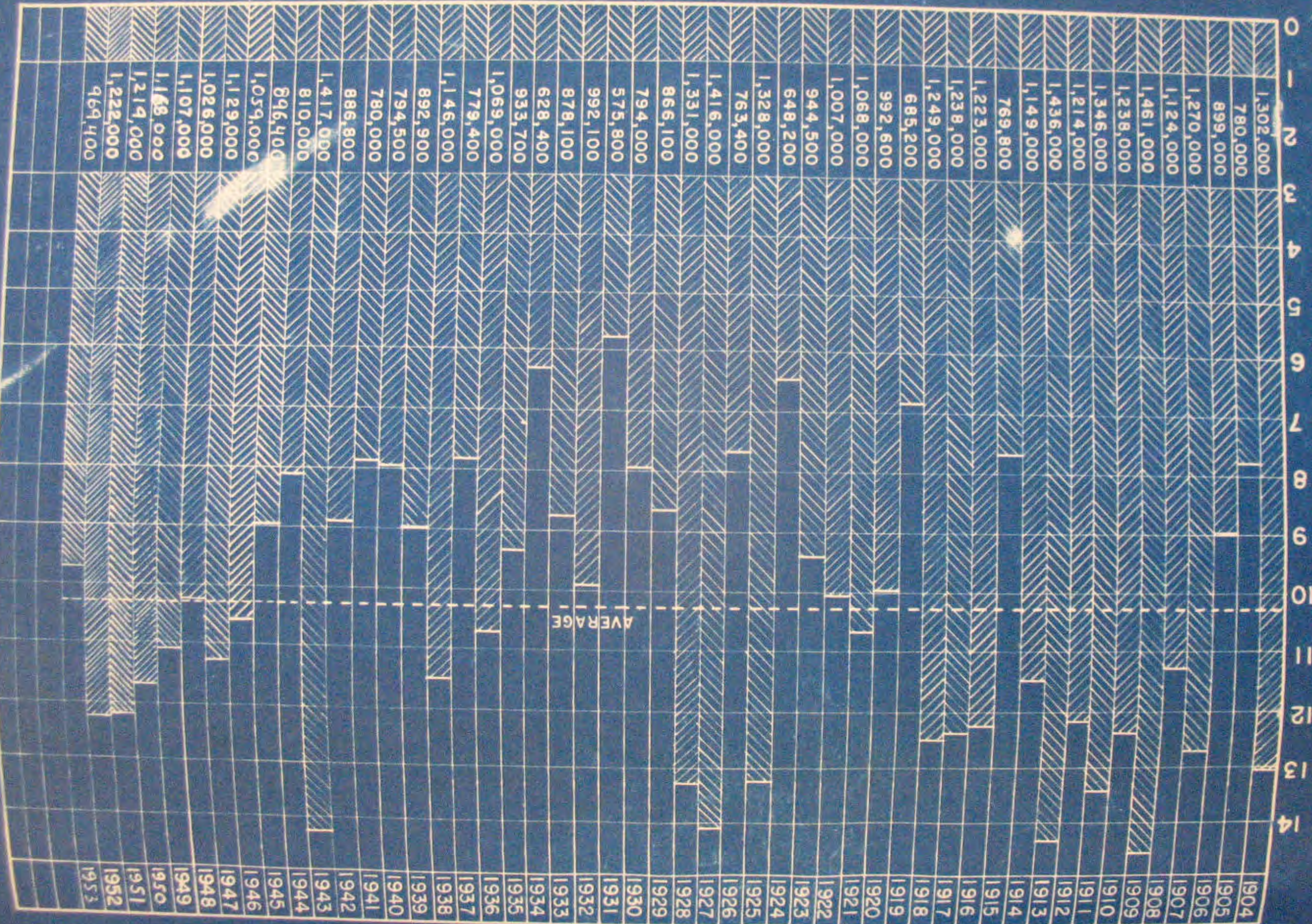
ANNUAL RUNOFF OF SNAKE RIVER AT NEELEY, IDAHO

PLATE NO. 4



NOTE: RUNOFF TOTALS ARE FOR WATER YEAR ENDING SEPT. 30 AND ARE CORRECTED FOR AMERICAN FALLS HOLDOVERS.
RECORDS AT MONTGOMERY FERRY USED PRIOR TO 1907.

ANNUAL RUNOFF OF SNAKE RIVER AT MORAN, WYO.



NOTE: RUNOFF TOTALS ARE FOR WATER YEAR ENDING SEPT. 30 AND ARE CORRECTED FOR JACKSON LAKE HOLDOVERS.

[illegible]

JUNE 1953

DAILY DISCHARGE IN SECOND-FOOT OF SNAKE RIVER CANALS

NAME OF CANAL		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL	
RILEY		5	5	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	585	
ANDERSON		184	100	70	70	70	70	70	70	74	74	74	74	74	63	137	200	250	358	460	563	611	662	700	740	780	820	860	900	940	980	1016	8470
EAGLE ROCK		111	112	113	107	101	98	95	92	91	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	9870	9870
FARMERS FRIEND		165	200	227	200	120	130	140	143	165	184	210	273	310	400	461	457	454	480	512	560	612	650	680	710	740	770	800	830	860	890	920	10164
ENTERPRISE		78	74	71	56	42	42	43	43	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	4511	
NELSON		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	370	
MATTSON & CRAIG		13	10	7	5	3	3	3	3	4	6	6	6	6	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	53	
ARNESBERGER		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1388	
BUTLER ISLAND		42	42	42	36	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	1388	
ROSS & RAND		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	223	
STEELE		148	202	152	150	148	148	148	148	155	172	194	249	347	405	506	558	563	561	561	561	561	561	561	561	561	561	561	561	561	561	561	11494
HARRISON		2	2	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	132	
CHENEY		62	60	37	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	4054	
BOOMER		24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	1332	
RUDY		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	162	
KITE & NORD		473	485	497	477	457	435	410	383	383	386	440	571	650	750	839	910	986	1000	1020	1010	1000	977	945	914	875	837	790	745	699	653	21967	
BURGESS		62	54	46	45	43	42	41	40	38	37	40	42	45	49	55	60	62	62	62	62	62	62	62	62	62	62	62	62	62	62	2114	
CLARK & EDWARDS		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	1093	
LOWDER & JENNINGS		82	82	142	137	133	131	129	127	127	127	128	128	120	112	105	115	128	130	131	133	136	138	139	140	136	133	133	134	134	139	3809	
EAST LABELLE		114	119	124	118	107	110	112	113	114	125	136	150	160	176	185	193	200	201	190	185	182	205	189	150	136	138	142	145	150	150	4482	
SUNNYDELL		87	88	89	84	80	81	82	83	84	84	86	87	90	95	116	135	150	165	181	170	150	134	168	145	132	134	137	139	140	140	3552	
LENROOT		121	118	116	113	128	126	124	121	126	131	164	197	193	189	185	200	212	220	227	228	229	230	229	230	217	204	205	206	206	208	208	5402
REID		291	300	310	297	298	292	286	280	290	301	312	324	317	310	304	298	291	286	279	271	264	257	250	243	236	229	220	210	200	190	180	9538
TEXAS FEEDER		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	315	
NELSON COREY		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144	
HILL PETTINGER		105	114	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	4449	
RIGBY		151	156	160	158	160	160	161	161	160	158	157	155	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	5088	
ISLAND		26	30	33	32	31	30	28	27	27	27	28	28	26	25	24	20	18	17	16	15	14	13	12	11	10	9	8	7	6	5	917	
DILTS		42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	13714	
WEST LABELLE & LONG ISLAND		253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	9733	
PARKS & LEWISVILLE		42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	1723	
NORTH RIGBY		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	135	
WHITE		0	0	0	0	0	0	0	0	0																							

DAILY DISCHARGE IN SECOND-FOOT OF SNAKE RIVER CANALS JULY 1953

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
RILEY	36	36	36	30	25	20	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	817	
ANDERSON	493	497	500	498	496	495	494	493	492	491	490	489	488	487	486	485	484	483	482	481	480	479	478	477	476	475	474	473	472	471	470	15183
EAGLE ROCK	544	546	549	550	548	547	546	545	544	543	542	541	540	539	538	537	536	535	534	533	532	531	530	529	528	527	526	525	524	523	522	19486
FARMERS FRIEND	224	224	225	220	215	206	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	12502	
ENTERPRISE	0	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	
NELSON	20	21	20	20	19	19	11	17	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	467	
MATTSON & CRAIG	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	154	
ARNESBERGER	58	59	62	62	57	57	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	1568	
BUTLER ISLAND	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	155	
ROSS & RAND	8	7	6	6	7	7	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	189	
STEELE	528	529	529	520	510	496	476	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	16254	
HARRISON	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	183	
CHEMNEY	205	202	205	203	189	170	165	164	159	161	158	156	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	5254	
BOOMER	90	67	66	52	50	58	41	51	34	65	64	60	60	56	58	68	68	66	66	66	66	66	66	66	66	66	66	66	66	66	1902	
RUDY	8	8	8	8	10	8	7	7	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	242	
KITE & NORD	919	916	914	920	935	955	791	883	875	879	875	879	883	879	879	879	879	879	879	879	879	879	879	879	879	879	879	879	879	879	27379	
BURGESS	107	100	92	94	96	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	2381	
CLARK & EDWARDS	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	1686	
LOWDER & JENNINGS	139	140	142	140	138	137	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	3949	
EAST LABELLE	175	186	161	154	147	140	134	125	143	153	155	154	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	4884	
SUNNYDELL	145	153	121	126	131	136	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	4362	
LENROOT	124	210	204	200	195	190	185	183	151	153	153	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	5324	
REID	349	368	388	372	356	341	274	274	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	9054	
TEXAS FEEDER	16	14	13	13	12	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	383	
NELSON COREY	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	170	
HILL PETTINGER	227	227	227	222	217	212	165	168	169	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	5527	
RIGBY	176	174	172	173	175	176	182	168	163	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	5489	
ISLAND	32	33	34	33	30	28	31	25	26	31	30	25	31	30	33	33	34	36	34	35	35	35	35	35	35	35	35	35	35	35	944	
DILTS	526	526	530	535	545	556	516	513	505	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	15911	
PARKS & LEWISVILLE	382	392	403	410	414	418	355	355	355	355	355	355	355	355	355	355	355	355	355	355	355	355	355	355	355	355	355	355	355	355	11793	
NORTH RIGBY	75	75	75	71	67	73	55	56	57	58	59	60	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	1833	
WHITE	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	144	
ELLS	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	155	
GRAMWELL	11	11	12	11	11	11	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	312	
BUTTE & MARKET LAKE	472	482	489	451	435	425	383	383	383	383	383	383	383	383	383	383	383	383	383	383	383	383	383	383	383	383	383	383	383	383	12115	
OSGOOD	133	134	130	136	136	138	139	140	140	139	139	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	4274	
BEAR ISLAND & SMITH	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	128	
KENNEDY	58	58	59	59	62	62	63	65	64	65	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	1849	
IDAH0	1090	1090	1100	993	1140	1130	1090	1090	1090	1090	1090	1090	1090	1090	1090	1090	1090	1090	1090	1090	1090	1090	1090	1090	1090	1090	1090	1090	1090	1090	37323	
GREAT WESTERN	587	587	598	594	592	598	598	596	600	596	589	594	604	602	616	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	18327	
PORTER	300	312	323	316	316	308	302	354	341	338	335	330	323	323	339	340	349	347	352	356	365	371	372	374	378	372	372	372	372	372	372	10630
COY & KELLER	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	47	
WOODVILLE	107	104	104	104	104	106	100	101	98	109	99	102	101	100	95	98	100	101	102	103	104	106	102	99	100	101	102	100	99	95	95	3141
SNAKE RIVER VALLEY	588	626	648	628	650	710	685	706	715	748	734	746	751	773	751	740	744	736	744	717	731	744	740	742	729	683	710	738	736	729	753	22175
TOTAL HEISE TO SHELLEY	4583	4653	4682	4596	4494	4501	4438	4458	4408	4444	4418	4403	4412	4424	4431	4404	4403	4453	4453	4453	4453	4453	4453	4453	4453	4453	4453	4453	4453	4453	4453	291292
RESERVATION	667	557	554	534	518	512	508	573	547	530	536	561	550	534	530	529	483	485	511	516	512	476	522	526	546	541	543	540	534	534	551	16470
BLACKFOOT	301	335	369	360	340	316	374	407	400	394	442	439	427	422	391	391	384	374	415	409	387	382	371	382	410	388	396	385	411	393	392	11997
NEW LAVA SIDE	132	136	140	142	143	144	147	164	172	166	160	166	164	158	152	172	167	167	159	166	167	167	157	162	164	164	159	158	167	160	4895	
PEOPLES	560	580	615	600	585	571	555	563	535	563	550	552	552	565	538	604	597	594	594	594	594	594	594	594	604	586	591	591	587	584	18039	
ABERDE																																

DAILY DISCHARGE IN SECOND-FOOT OF SNAKE RIVER CANALS

AUGUST 1953

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	
RILEY	31	31	17	18	26	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	618		
ANDERSON	485	451	444	454	436	296	266	426	434	431	434	437	434	431	434	437	434	431	434	437	434	431	434	437	434	431	434	437	434	431	12781		
EAGLE ROCK	618	601	617	611	603	603	541	603	580	559	555	543	537	537	517	475	471	461	454	440	433	431	431	431	431	431	431	431	431	431	15809		
FARMERS FRIEND	138	138	137	135	134	133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9788		
ENTERPRISE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3345		
NELSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	307		
MATTSON & CRAIG	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	129		
ARNBERGER	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	1404		
BUTLER ISLAND	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	105		
ROSS & RAND	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	105		
STEELE	512	467	479	471	465	474	334	316	405	445	438	438	395	410	410	386	386	381	364	355	353	341	341	351	351	347	349	349	349	349	349	12067	
HARRISON	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	178		
CHENEY	171	166	171	176	177	178	107	114	142	135	142	141	152	154	114	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	4321	
BOOMER	71	70	73	71	70	71	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	1532	
RUDY	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	164	
KITE & NORD	883	839	857	848	844	853	648	652	826	730	822	778	787	743	743	743	743	743	743	743	743	743	743	743	743	743	743	743	743	743	743	23790	
BURGESS	72	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	2230	
CLARK & EDWARDS	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	1189	
LOWDER & JENNINGS	126	124	124	125	120	117	124	121	116	112	121	119	115	118	122	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	3742	
EAST LABELLE	134	114	121	143	163	156	42	45	152	156	134	115	134	127	140	120	114	121	104	119	125	125	127	125	125	125	125	125	125	125	125	3865	
SUNNYDELL	141	139	147	135	127	138	56	39	114	128	128	122	115	115	115	113	102	94	94	94	94	94	94	94	94	94	94	94	94	94	94	3373	
LENROOT	163	159	154	159	150	150	64	58	132	148	151	148	150	148	151	151	151	146	144	128	128	128	128	128	128	128	128	128	128	128	128	4208	
REID	272	272	272	264	247	272	152	64	274	276	236	236	237	239	239	240	239	225	247	253	253	241	241	259	272	233	233	233	233	233	233	7432	
TEXAS FEEDER	10	10	10	9	9	9	6	5	9	9	8	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	229	
NELSON COREY	5	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98	
HILL PETTINGER	170	173	183	180	178	178	166	165	182	180	182	163	157	163	157	163	157	163	157	163	157	163	157	163	157	163	157	163	157	163	157	5166	
RIGBY	179	172	176	168	165	162	146	161	174	172	165	182	185	183	140	174	171	166	168	171	161	156	156	156	156	156	156	156	156	156	156	5063	
ISLAND	26	26	27	24	19	24	19	18	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	654	
DILTS	516	529	529	529	514	526	491	502	513	513	446	467	472	478	489	486	482	481	475	481	475	475	491	486	486	486	486	486	486	486	486	15081	
WEST LABELLE LONG ISLAND	391	352	352	352	354	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	10504	
PARKS & LEWISVILLE	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	1405	
NORTH RIGBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72	
WHITE	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	143	
ELIS	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	213	
BRAMWELL	385	373	355	345	331	351	309	310	312	314	318	322	333	344	310	280	252	258	249	249	249	249	249	249	249	249	249	249	249	249	249	249	8990
BUTTE & MARKET LAKE	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	3850	
OSGOOD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1431	
BEAR ISLAND & SMITH	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	31033	
KENNEDY	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	15782	
GREAT WESTERN	608	592	583	571	567	561	434	398	474	494	494	494	494	494	494	494	494	494	494	494	494	494	494	494	494	494	494	494	494	494	494	15782	
PORTER	355	341	338	335	332	321	209	209	312	281	297	312	305	290	278	268	264	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	8836
COY & KELLER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56	
WOODVILLE	95	94	93	92	90	96	103	100	96	93	92	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	2634	
SNAKE RIVER VALLEY	698	650	644	636	646	634	516	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16820	
TOTAL HEISE TO SHELLEY	4189	3893	3945	3844	3730	3800	1280	6144	7207	8151	8265	8164	8172	8119	7924	7614	7617	7560	7419	7457	7421	7353	7383	7441	7478	7354	7220	7126	7175	6885	7218	240738	
RESERVATION	555	449	346	485	530	516	522	396	397	287	8	156	302	316	315	389	450	441	438	444	512	484	481	502	506	509	467	366	231	165	102	12119	
BLACKFOOT	369	388	342	310	351	312	357	280	238	249	271	258	249	267	211	197	184	198	192	220	253	261	264	290	292	287	266	261	300	321	344	8582	
NEW LAVA SIDE	161	164	156	138	122	160	158	116	126	148	128	117	148	146	122	121	131	124	97	122	121	131	130	140	137	144	128	119	135	384	384	4145	
PEOPLES	610	625	589	594	589	578	584	423	413	438	572	584	563	560	555	520	468	448															

SEPTEMBER 1953

NAME OF CANAL

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
RILEY	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	450	
ANDERSON	383	381	388	383	381	367	367	364	357	351	367	367	367	367	367	367	367	367	367	367	367	367	367	367	367	367	367	367	10552	
EAGLE ROCK	429	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475	14184	
FARMERS FRIEND	278	276	300	320	320	316	257	295	292	323	338	332	320	320	313	313	283	283	283	283	283	283	283	283	283	283	283	283	283	8665
ENTERPRISE	98	88	89	88	87	86	87	86	87	86	87	86	87	86	87	86	87	86	87	86	87	86	87	86	87	86	87	86	14184	
NELSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1887	
MATTSON & CRAIG	11	7	12	11	11	7	12	11	11	7	12	11	11	7	12	11	11	7	12	11	11	7	12	11	11	7	12	11	36	
ARNESBERGER	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	295	
BUTLER ISLAND	41	41	41	39	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	1129	
ROSS & RAND	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	120	
STEEL	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	370	1322	
HARRISON	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	84	
BURGESS	765	787	787	787	787	787	787	787	787	787	787	787	787	787	787	787	787	787	787	787	787	787	787	787	787	787	787	787	21443	
CLARK & EDWARDS	70	69	69	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	3095	
LOWDER & JENNINGS	0	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	1258	
EAST LABELLE	117	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	3301	
SUNNYDELL	86	84	88	81	81	74	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	3096	
LENROOT	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	2907	
REID	126	118	121	112	112	103	105	107	103	95	107	109	134	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	3471	
TEXAS FEEDER	220	220	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	6399	
NELSON COREY	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	132	
HILL PETTINGER	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	20	
RIGBY	162	0	208	208	178	161	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	4412	
ISLAND	111	106	94	94	106	154	149	152	92	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	5724	
DILTS	12	11	12	18	0	19	17	20	17	22	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	39	
WEST LABELLE & LONG ISLAND	448	432	435	440	443	427	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	563	
PARKS & LEWISVILLE	352	352	348	352	352	341	352	341	345	358	341	345	358	341	345	358	341	345	358	341	345	358	341	345	358	341	345	358	12565	
NORTH RIGBY	54	47	50	51	50	52	50	52	51	52	51	52	51	52	51	52	51	52	51	52	51	52	51	52	51	52	51	52	812	
WHITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1499	
ELIS	7	4	4	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	54	
BRAMWELL	7	7	6	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	141	
BUTTE & MARKET LAKE	249	249	250	253	240	220	205	200	198	190	181	180	179	178	168	159	159	159	159	159	159	159	159	159	159	159	159	159	5724	
OSGOOD	113	116	114	112	114	115	116	118	121	120	120	120	120	128	140	141	140	139	139	139	139	139	139	139	139	139	139	139	139	3820
BEAR ISLAND & SMITH	1	3	1	3	2	0	3	4	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	39	
KENNEDY	53	48	41	43	43	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	1181	
IDAHO	914	925	928	928	928	798	798	798	798	798	798	798	798	798	798	798	798	798	798	798	798	798	798	798	798	798	798	798	24717	
GREAT WESTERN	506	520	516	532	541	541	539	537	537	537	537	537	537	537	537	537	537	537	537	537	537	537	537	537	537	537	537	537	13451	
PORTER	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	6468	
COY & KELLER	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	60	
WOODVILLE	68	76	76	75	74	72	70	66	61	60	43	43	65	77	81	85	86	87	91	95	85	75	74	73	70	65	61	60	59	2132
SNAKE RIVER VALLEY	550	570	542	544	538	494	500	552	576	562	570	520	524	532	526	502	478	469	447	393	387	377	375	358	358	357	352	355	402	14112
TOTAL HEISE TO SHELLEY	1256	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	199458
RESERVATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1899	
BLACKFOOT	330	325	319	290	264	269	273	240	250	237	241	301	327	288	278	250	251	256	266	271	220	216	237	229	222	211	200	189	169	7598
NEW LAVA SIDE	122	123	125	127	127	127	125	123	146	146	135	124	113	128	124	117	128	128	128	112	113	94	92	77	110	57	86	84	87	3398
PEOPLES	384	452	425	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	430	10579
ABERDEEN - SPRINGFIELD	958	930	902	842	795	733	730	730	761	812	852	822	801	778	727	680	644	631	593	568	561	564	589	609	628	654	657	647	628	21432
CORRETT	161	145	155	153	163	167	164	153	127	112	98	65	90	169	159	153	149	158	166	144	144	136	134	135	127	114	107	106	101	4068
NIELSEN - HANSEN	8	6	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	303
RIVERSIDE	109	111	112	114	115	112	107	103	99	87	105	112	115	117	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	3279
DANSKIN	171	160	178	163	165	168	171	169	146	152	136	97	139	197	178	185	158	159	167	170	170	116	156	152	149	172	161	168	167	4769
TREGO	39	55	52	45	34	39	44	61	60	52	48	45	51	58	53	48	57	57	50	52	50	48	48	47	46	40	39	37	36	1439
WEARYRICK	56	55	50	51	52	61	58	56	53	51																				

STREAM	MAY																																										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10		
BIG JIMMY CREEK	31	31	31	31	31	31	31	31	31	31	31	31	31	31	32	32	33	34	34	35	35	36	36	37	38	38	39	40	40	40	40	40	40	40	40	39	39	39	39	39	39		
PORTNEUF RIVER INFLOW BELOW POCATELLO	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	295	295	300	300	305	305	310	310	311	311
BIG SPRING CREEK	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	464	464	464	464	463	463	463	462	462	462	462	461	461	461	461	461	467	470	472	475	478	480	483	486	488	490	491	
CLEAR CREEK	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	
FORD 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	7	7	7	7	7	7		
KINNEY CREEK	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	
WIDE CREEK	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	
PYLE SPRINGS	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
MC TUCKER SPRINGS	27	27	27	27	27	27	27	27	27	27	27	27	27	27	28	28	28	29	29	29	30	30	30	31	31	31	32	32	32	32	32	32	32	32	32	32	32	31	31	31	31	31	
HULL SPRINGS	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
TANNER SPRINGS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PORTNEUF RIVER AT POCATELLO	430	394	358	333	296	262	259	262	268	259	242	228	207	162	155	155	151	202	215	256	271	283	268	299	361	368	344	333	340	383	397	376	404	463	500	508	519	530	565	565	580	580	
CRYSTAL DITCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	1	1	1	0	0	0	0		
CRYSTAL WASTE	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	26	26	26	25	25	25	24	24	24	24	23	23	23	23	24	25	26	28	29	30	32	33	34	36	35			
DANIELSEN SPRINGS	59	59	59	59	59	59	59	59	59	59	59	59	59	60	60	60	61	61	61	62	62	62	63	63	63	63	64	64	64	64	64	63	63	62	62	62	61	61	61	61	60		
ARTESIAN SPRINGS	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	8	8	8	8	8	7	6	6	5	5	4	4	3	3	3	3		
STERLING WASTE	6	6	6	6	6	6	6	6	6	6	6	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	22	22	22	21	21	20	20	20	19	19	19	18	17		
GOLBURN WASTE	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
ABERDEEN WASTE	60	15	25	20	5	5	5	20	5	10	25	25	15	10	5	5	5	5	15	30	40	50	70	100	80	85	75	80	66	80	75	70	70	70	70	65	70	80	67	60	50		
TARTAR WASTE	50	47	48	31	5	5	5	10	8	8	8	8	8	10	8	8	8	8	8	8	8	15	15	15	28	24	23	27	29	27	31	32	31	30	41	36	40	41	45	36	31		
SCHILTZ WASTE	4	3	5	3	3	3	3	3	3	3	3	5	3	3	3	3	3	3	3	3	4	3	5	6	5	5	4	4	4	4	3	3	3	3	4	4	4	4	4	4			
CEDAR WASTE	25	25	26	22	10	0	0	0	0	12	10	15	15	15	8	0	0	0	0	0	8	23	23	24	43	42	43	45	45	45	49	48	48	52	53	53	53	53	73	63	38		
ROSS FORK	66	66	66	66	66	66	66	66	66	66	66	66	65	64	62	61	60	58	57	56	55	54	52	51	50	49	48	47	46	46	47	47	48	48	49	49	50	50	51	51	51		
TRIPLE CREEK	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	4	4	5	5	5	6	6	7	7	8	8	8	7	7	6	6	5	5	4	4	3	3	3		
BANNOCK CREEK	40	40	40	40	39	39	39	39	38	38	38	38	38	37	37	36	36	35	34	34	33	32	32	31	31	30	30	29	29	29	29	29	30	30	30	30	31	31	31	31	30		
RUEGAR SPRINGS	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25		
TOTAL MEASURED	1863	1778	1756	1703	1612	1568	1565	1588	1576	1584	1580	1573	1540	1492	1473	1464	1463	1513	1536	1594	1628	1669	1675	1740	1815	1822	1788	1790	1784	1843	1862	1841	1874	1942	1994	2002	2026	2054	2103	2080	2058		
UNMEASURED INFLOW	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320			
TOTAL INFLOW BLACKFOOT TO NEELEY	3183	3098	3076	3023	2932	2888	2885	2908	2896	2904	2900	2893	2860	2812	2793	2784	2783	2833	2856	2914	2948	2989	2995	3060	3135	3142	3109	3110	3104	3163	3182	3161	3194	3262	3314	3322	3346	3374	3423	3400	3378		
TOTAL FOR MONTH	92,158																																										

BETWEEN BLACKFOOT AND NEELEY STATION
24 HOUR SECOND-FEET

24 HOUR SECOND-FEET

JULY

85,4

92,554

N FALLS RESERVOIR 1953

OOT AND NEELEY STATIONS
 HOUR SECOND-FEET

JULY

AUGUST

[illegible]

86,997

85,440

SEPTEMBER

S E P T E M B E R																																										
2	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
28	28	28	28	28	29	29	30	30	31	31	32	32	33	33	34	34	33	33	32	32	31	31	30	30	29	29	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	
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96	495	494	493	493	493	493	493	493	493	494	494	494	494	494	494	494	496	498	500	502	504	506	508	510	513	515	517	519	519	519	519	519	519	519	519	519	519	519	519	519	519	519
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27	26	26	26	26	27	28	28	29	29	30	30	31	32	32	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	
53	62	61	61	61	62	62	63	63	64	64	65	65	66	66	67	67	67	66	65	64	63	62	61	60	59	58	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
27	27	27	27	27	27	27	27	27	27	27	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	
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63	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	62	62	61	60	59	58	58	57	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	
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30	30	30	30	29	29	29	28	28	28	27	26	25	25	25	22	21	21	20	20	20	20	25	25	20	20	20	22	24	22	20	20	20	20	25	20	20	20	20	20	20	20	
18	17	16	16	16	15	15	15	17	15	16	16	20	19	19	19	18	18	18	18	17	17	20	21	19	18	17	16	19	18	13	13	13	13	13	13	15	16	13	13	13	13	
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
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4	4	4	4	4	4	4	4	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
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25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
60	1454	1441	1439	1443	1451	1452	1449	1447	1456	1464	1467	1468	1475	1482	1480	1467	1469	1468	1468	1463	1459	1467	1472	1467	1470	1468	1462	1459	1452	1453	1448	1448	1454	1463	1453	1449	1453	1456	1462			
30	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330		
90	2784	2771	2769	2773	2781	2782	2779	2777	2786	2794	2797	2798	2805	2812	2810	2797	2799	2798	2796	2793	2789	2797	2802	2797	2800	2798	2792	2789	2782	2783	2778	2778	2784	2793	2783	2779	2783	2786	2792			

DAILY SEGREGATION OF D

DATE	JACKSON LAKE CONTENTS ACRE- FEET	SNAKE RIVER AT MORAN			MORAN TO HEISE		DATE	HEISE & RILEY			STORAGE INFLOW HEISE TO SHELLEY		STORAGE LOSS HEISE TO SHELLEY	DIVERSIONS HEISE TO SHELLEY			DATE	SNAKE RIVER NEAR SHELLEY			SHELLEY
		STORED	NORMAL	TOTAL	STORED LOSS	STORED DIVERSION		STORED	NORMAL	TOTAL	MARKET LAKE	HENRY'S FORK NEAR REXBURG		STORED	NORMAL	TOTAL		STORED	NORMAL	TOTAL	
JUNE 27	849,530						JUNE 29										JUNE 30				
28	849,790						30														
29	850,090																				
30	851,070						JULY 1	0		16036	12										
JULY 1	851,330						2	0		17136	12										
2	850,820						3	0		16936	12										
3	849,790						4	0		15930	12										
4	849,790						5	0		15225	12										
5	849,790						6	0		14920	12										
6	849,790						7	0		14524	12										
7	849,790						8	0		14124	12	- 12									
8	849,020			3300			9	0		13724	11	- 3									
9	847,740	655	2635	3290	16		10	639	12685	13324	11	- 194	31								
10	846,210	761	2519	3280	19		11	742	12682	13424	11	- 175	36								
11	844,930	934	2446	3380	23		12	911	12001	12912	10	- 149	44								
12	843,920	1444	2346	3790	36		13	1406	11404	12812	10	- 136	69								
13	840,350	1534	2246	3780	38		14	1496	11016	12512	10	- 112	73								
14	837,300	1694	2146	3840	42		15	1652	10659	12311	9	- 79	81								
15	833,740	1962	2048	4010	49		16	1913	10306	12219	8	- 236	93								
16	829,920	2449	1791	4240	61		17	2368	9623	12011	8	- 145	116								
17	824,830	3059	1741	4800	76		18	2983	8941	11924	8	128	146								
18	818,490	4319	1641	5960	108		19	4211	8118	12329	9	181	205								
19	808,900	5409	1541	6950	135	4	20	5270	7859	13129	9	- 325	257								
20	799,800	5150	1490	6640	129	4	21	5017	7812	12629	9	- 605	245								
21	789,490	4653	1527	6180	116	4	22	4533	7498	12031	9	- 332	221								
22	780,210	4873	1527	6400	122	4	23	4747	7086	11833	9	96	231								
23	770,440	5163	1527	6690	129	4	24	5050	6904	11934	9	140	245								
24	760,230	5331	1529	6860	133	4	25	5194	6740	11934	9	127	253								
25	749,770	5380	1520	6900	135	4	26	5241	6693	11934	10	73	255								
26	738,120	5392	1518	6910	135	4	27	5253	6591	11834	10	90	256								
27	728,460	5242	1518	6760	131	4	28	5107	6627	11734	10	- 103	250								
28	718,370	5022	1518	6540	126	4	29	4892	6741	11633	10	- 82	238								
29	708,540	5102	1518	6620	128	4	30	4970	6658	11628	10	- 49	242								
30	698,720	5382	1518	6900	135	4	31	5243	6488	11731	9	- 53	255								
31	687,250	5510	1490	7000	138	4	AUG. 1	5368	6363	11731	9	- 78	262								
AUG. 1	676,760	5560	1440	7000	139	4	2	5417	6414	11831	9	- 176	264								
2	665,840	5330	1390	6720	133	4	3	5193	7024	12217	9	- 238	253								
3	657,120	4650	1340	5990	116	4	4	4530	6788	11318	9	- 199	221								
4	648,400	4690	1290	5980	117	4	5	4569	6057	10626	9	- 148	223								
5	638,300	2880	1240	4120	72	4	6	2804	7425	10229	8	- 110	137								
6	634,460	-1078	1190	112	- 27	4	7	- 1055	7525	6470	8	- 32	- 52								
7	636,380	1918	1142	3060	48	4	8	1866	4214	6080	8	163	91								
8	628,920	5620	1090	6710	140	4	9	5476	4943	10419	8	171	267								
9	617,670	5803	1077	6880	145	4	10	5654	5067	10721	8	21	276								
10	606,200	5548	1072	6620	139	4	11	5405	5315	10720	8	- 571	263								
11	595,730	5183	1067	6250	130	4	12	5049	5071	10120	8	- 424	246								
12	585,290	5208	1062	6270	130	4	13	5074	5152	10226	8	- 375	247								
13	575,570	5043	1057	6100	126	4	14	4913	5032	9945	8	- 330	240								
14	565,440	4938	1052	5990	123	4	15	4811	5134	9945	8	- 278	235								
15	556,020	4653	1047	5700	116	4	16	4533	5352	9885	8	- 206	221								

F DATA AT AND BETWEEN SNAKE RIVER GAGE

24 HOUR SECOND-FOET EXCEPT AS NOTED

GAL	DIVERSIONS SHELLEY TO BLACKFOOT			STORAGE LOSS SHELLEY TO BLACKFOOT	THEORETICAL BALANCE OF STORAGE AT BLACKFOOT	DATE	BLACKFOOT RIVER	SNAKE RIVER NEAR BLACKFOOT			CALCULATED INFLOW BLACKFOOT TO NEELEY	STORAGE DIVERSIONS BLACKFOOT TO NEELEY	DATE	AMERICANFALLS RESERVOIR CONTENTS ACRE-FOET	SNAKE RIVER AT NEELEY			STORED DIVERSIONS NEELEY TO WALCOTT	LAKE WALCOTT CONTENTS ACRE-FOET	MINIDOKA GAGE			
	STORED	NORMAL	TOTAL					STORED	NORMAL	TOTAL					STORED	NORMAL	TOTAL			NORTH	SOUTH	TOTAL	...
						JUNE 30		0	6910	6910													
						JULY 1		0	6120	6120	2894		JULY 1	1,701,000	1496	9804	11300	3	92,860	1640	1280	2920	
				- 9	- 137	2	35	0	5760	5760	2817	2	2	1,695,000	3163	9937	12100	3	93,320	1690	1280	2970	
90	50	3673	3723	- 13	- 196	3	59	- 137	6597	6460	2800	2	3	1,688,000	4440	8560	12000	3	93,580	1700	1280	2980	
00	50	3631	3681	- 14	- 224	4	66	- 196	7026	6830	2778	2	4	1,678,000	3025	9375	12400	3	94,020	1700	1280	2980	
70	42	3637	3679	- 8	- 117	5	62	- 224	6614	6390	2748	2	5	1,670,000	2526	9774	12300	3	93,550	1710	1320	3030	
30	45	3589	3634	- 16	- 253	6	41	- 117	5917	5800	2749	2	6	1,664,000	3237	9363	12800	3	94,020	1730	1330	3060	
00	45	3538	3721	- 24	- 373	7	41	- 253	5293	5040	2747	2	7	1,655,000	3936	8664	12600	3	94,720	1730	1370	3100	
40	183	3538	3906	- 61	- 948	8	28	- 373	4733	4360	2757	2	8	1,644,000	4750	8050	12600	3	94,020	1730	1380	3110	
70	244	3662	3906	- 73	- 1144	9	21	- 948	4788	3840	2731	2	9	1,632,000	5536	7464	13000	3	94,840	1740	1380	3120	
30	225	3626	3851	- 69	- 1084	10	29	- 1144	4354	3210	2725	2	10	1,621,000	5387	7513	12900	3	95,180	1770	1390	3160	
00	250	3576	3826	- 49	- 766	11	39	- 1084	3704	2620	2730	2	11	1,606,000	5716	7084	12800	3	96,390	1780	1390	3170	
80	278	3639	3917	- 47	- 732	12	48	- 766	3246	2480	2737	2	12	1,590,000	6359	6441	12800	3	96,990	1780	1390	3170	
10	275	3670	3945	- 31	- 490	13	36	- 732	3152	2420	2749	2	13	1,574,000	6805	5995	12800	3	97,590	1790	1390	3180	
90	269	3657	3926	- 5	- 80	14	37	- 490	2450	1960	2745	2	14	1,559,000	6803	5897	12700	3	97,470	1780	1380	3160	
40	273	3602	3875	- 4	- 59	15	32	- 80	1710	1630	2726	2	15	1,538,000	7424	5176	12600	3	96,750	1780	1370	3150	
70	239	3590	3829	- 12	- 194	16	18	- 59	1469	1410	2741	2	16	1,523,000	7849	4451	12300	3	96,670	1780	1370	3150	
00	285	3472	3757	- 5	- 83	17	14	- 194	1314	1120	2729	2	17	1,507,000	8102	4198	12300	3	96,630	1780	1340	3120	
30	267	3360	3627	27	432	18	16	- 83	947	864	2744	2	18	1,488,000	8242	4058	12300	3	96,630	1780	1330	3110	
00	261	3276	3537	72	1125	19	24	432	226	658	2735	2	19	1,469,000	8518	3682	12200	3	96,270	1780	1310	3090	
50	281	3312	3593	120	1902	20	27	530	214	644	2744	2	20	1,447,000	9330	2970	12300	3	94,780	1770	1310	3080	
00	283	3466	3749	110	1723	21	21	813	217	1030	2736	2	21	1,432,000	9350	2950	12300	3	95,180	1770	1380	3090	
90	389	3424	3813	57	888	22	18	1049	211	1260	2740	2	22	1,415,000	9443	2957	12400	3	95,180	1760	1330	3090	
40	767	3038	3805	33	525	23	16	720	208	928	2762	2	23	1,396,000	9627	2973	12600	3	94,950	1760	1340	3100	
00	880	2971	3851	53	832	24	29	515	206	721	2759	2	24	1,377,000	9733	2967	12700	3	94,600	1760	1330	3090	
30	1122	2739	3861	76	1198	25	82	481	219	700	2759	2	25	1,358,000	9735	2965	12700	3	94,490	1760	1330	3090	
00	1333	2630	3963	82	1288	26	62	705	239	944	2764	2	26	1,341,000	9717	2983	12700	3	94,950	1760	1330	3090	
70	1280	2631	3911	60	941	27	48	848	272	1120	2760	2	27	1,323,000	9701	2999	12700	3	95,310	1710	1330	3040	
30	1302	2642	3944	36	566	28	42	740	252	992	2757	2	28	1,305,000	9671	3029	12700	3	95,670	1690	1320	3010	
00	1543	2359	3902	19	300	29	28	567	238	805	2760	2	29	1,288,000	9688	3012	12700	3	96,150	1690	1320	3010	
90	1573	2305	3878	28	433	30	20	440	218	630	2801	2	30	1,268,000	9661	3039	12700	3	96,180	1690	1310	3000	
40	1562	2247	3809	- 63	- 992	31	29	412	219	700	2804	2	31	1,250,000	9564	3036	12600	3	95,790	1650	1300	2950	
00	1553	2306	3859	- 160	- 2518	AUG. 1	41	560	210	770	2806	2	AUG. 1	1,232,000	9276	3024	12300	3	95,910	1540	1250	2790	
90	1555	2352	3907	101	1593	2	56	842	218	1060	2804	2	2	1,216,000	9086	3014	12100	3	95,910	1420	1240	2660	
40	1579	2291	3870	183	2841	3	52	1441	219	1660	2801	2	3	1,199,000	8481	3019	11500	3	95,910	1340	1190	2530	
00	1504	2106	3610	112	1765	4	43	1663	217	1880	2812	2	4	1,184,000	8369	3031	11400	3	94,370	1340	1140	2480	
30	1273	2453	3726	52	818	5	35	1331	209	1540	2819	2	5	1,172,000	8564	3036	11600	3	94,720	1370	1140	2510	
00	1249	2493	3742	59	926	6	28	1122	218	1340	2816	2	6	1,157,000	8575	3025	11600	3	95,180	1380	1190	2510	
90	1497	2139	3636	77	1207	7	195	1015	225	1240	2820	2	7	1,140,000	8675	3025	11700	3	95,430	1380	1300	2680	
40	1689	2065	3754	103	1907	8	103	1907	293	2200	2823	2	8	1,122,000	8662	3038	11700	3	94,490	1380	1280	2660	
00	773	1502	2275	1895	385	9	84	1586	274	1860	2827	2	9	1,105,000	8654	3046	11700	3	94,840	1380	1220	2600	
30	333	1648	1981	2280	2811	10	103	1907	293	2200	2821	2	10	1,088,000	8648	3052	11700	3	94,490	1380	1220	2600	
00	1764	1446	3230	2280	2811	11	103	1907	293	2200	2818	2	11	1,073,000	8663	3037	11700	3	95,310	1390	1210	2500	
90	1958	1181	3139	2280	2811	12	103	1907	293	2200	2852	2	12	1,059,000	8402	3098	11500	3	95,670	1420	1230	2650	
40	1908	1222	3130	2280	2811	13	103	1907	293	2200	2852	2	13	1,044,000	8406	3094	11500	3	95,910	1440	1240	2680	
00	1843	1329	3172	2280	2811	14	103	1907	293	2200	2824	2	14	1,030,000	8443	3057	11500	3	95,430	1470	1270	2740	
90	1838	1385	3223	2280	2811	15	103	1907	293	2200	2822	2	15	1,017,000	8453	3047	11500	3	95,070	1520	1290	2810	
40	1780	1326	3106	2280	2811	16	103	1907	293	2200	2818	2	16	1,003,000	8464	3036	11500	3	94,600	1540	1290	2830	
00	1655	1415	3070	2280	2811	17	103	1907	293	2200	2822	2	17	989,000	8504	3096	11600	3	94,140	1530	1290	2820	
90	1523	1468	2991	2280	2811	18	103	1907	293	2200	2826	2	18	976,000	8981	3119	12100	3	93,320	1530	1280	2810	
40				2280	2811	19	103	1907	293	2200	2811	2	19	962,000	9304	3196	12500	3	94,020	1540	1290	2830	

DAILY SEGREGATION OF DATA

DATE	JACKSON LAKE CONTENTS ACRE-Feet	SNAKE RIVER AT MORAN			MORAN TO HEISE		DATE	HEISE & RILEY			STORAGE INFLOW HEISE TO SHELLEY		STORAGE LOSS HEISE TO SHELLEY	DIVERSIONS HEISE TO SHELLEY			DATE	SNAKE RIVER NEAR SHELLEY			DIVERSIONS SHELLEY TO SLACK CREEK		
		STORED	NORMAL	TOTAL	STORED LOSS	STORED DIVERSION		STORED	NORMAL	TOTAL	MARKET LAKE	HENRYS FORK NEAR REXBURG		STORED	NORMAL	TOTAL		STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL
JUNE 27	849,530						JUNE 28										JUNE 29						
28	849,790						29										30						
29	850,050						30										JULY 1						
30	851,070						JULY 1	0		16036	12			156	9425	9583	2	-146	9436	9290			
JULY 1	851,330						2	0		17136	12			171	9482	9653	3	-159	10259	10100	50	3673	3723
2	850,820						3	0		16936	12			200	9482	9682	4	-188	10158	9970	50	3637	3687
3	849,790						4	0		15930	12			95	9301	9396	5	-83	9483	9400	42	3600	3642
4	849,790						5	0		15225	12			236	9254	9490	6	-224	8924	8700	40	3560	3600
5	849,790						6	0		14920	12			226	9275	9501	7	-214	8254	8040	153	3538	3691
6	849,790						7	0		14524	12			777	8161	8938	8	-765	8435	7670	244	3482	3726
7	849,790						8	0		14124	12	-12		992	8166	9158	9	-992	7992	7000	225	3486	3711
8	849,020			3300			9	0		13724	11	-3		911	8177	9088	10	-903	7343	6440	250	3578	3828
9	847,740	655	2635	3290	16		10	639	12685	13324	11	-194	31	962	8184	9146	11	-537	6617	6080	278	3639	3917
10	846,210	761	2519	3280	19		11	742	12682	13424	11	-175	36	1046	8139	9185	12	-504	6614	6110	275	3670	3945
11	844,930	934	2446	3380	23		12	911	12001	12912	10	-149	44	980	8103	9083	13	-252	6042	5790	289	3607	3976
12	843,920	1444	2346	3790	36		13	1408	11404	12812	10	-138	69	1023	8102	9125	14	188	5252	5440	273	3602	3875
13	840,350	1534	2246	3780	38		14	1496	11016	12512	10	-112	73	1145	8103	9248	15	176	4794	4970	239	3590	3829
14	837,300	1694	2146	3840	42		15	1652	10659	12311	9	-79	81	1422	7949	9371	16	79	4561	4640	285	3472	3817
15	833,740	1962	2048	4010	49		16	1913	10306	12219	8	-236	93	1413	7991	9404	17	179	4091	4270	267	3560	3827
16	829,920	2449	1791	4240	61		17	2388	9623	12011	8	-145	116	1415	7988	9403	18	720	3230	3950	261	3276	3537
17	824,830	3059	1741	4800	76		18	2983	8941	11924	8	128	146	1495	8037	9532	19	1478	2472	3950	281	3312	3593
18	818,490	4319	1641	5960	108		19	4211	8118	12329	9	181	205	1891	7648	9539	20	2305	1995	4300	283	3486	3830
19	808,900	5409	1541	6950	135	4	20	5270	7859	13129	9	-325	257	2475	6914	9389	21	2222	2838	5040	389	3484	3873
20	799,800	5150	1490	6640	129	4	21	5017	7812	12829	9	-605	245	2464	6989	9453	22	1712	3038	4750	767	3038	3805
21	789,490	4653	1527	6180	116	4	22	4533	7498	12031	9	-332	221	2551	6955	9506	23	1438	3022	4440	880	2971	3751
22	780,210	4873	1527	6400	122	4	23	4747	7086	11833	9	98	231	2616	6950	9566	24	2007	2293	4300	1122	2739	3861
23	770,440	5163	1527	6690	129	4	24	5030	6904	11934	9	140	245	2616	6946	9562	25	2318	2202	4580	1333	2630	3893
24	760,230	5331	1529	6860	133	4	25	5194	6740	11934	9	127	253	2523	6944	9467	26	2554	2056	4610	1280	2631	3811
25	749,770	5380	1520	6900	135	4	26	5241	6693	11934	10	73	255	2397	6939	9336	27	2672	2048	4720	1302	2642	3864
26	738,120	5392	1518	6910	135	4	27	5253	6581	11834	10	90	256	2553	6938	9491	28	2544	1896	4440	1543	2359	3892
27	728,480	5242	1518	6760	131	4	28	5107	6627	11734	10	-103	250	2589	6929	9518	29	2175	2125	4300	1573	2308	3881
28	718,370	5022	1518	6540	126	4	29	4892	6741	11633	10	-82	238	2701	6802	9503	30	1881	2289	4170	1562	2287	3849
29	708,540	5102	1518	6620	128	4	30	4970	6658	11628	10	-49	242	2675	6802	9477	31	2014	2396	4410	1553	2306	3859
30	698,720	5382	1518	6900	135	4	31	5243	6488	11731	9	-53	255	2714	6785	9499	AUG. 1	2230	2350	4580	1555	2352	3857
31	687,250	5510	1490	7000	138	4	AUG. 1	5368	6363	11731	9	-78	262	2366	6823	9189	2	2671	2229	4900	1579	2291	3870
AUG. 1	676,760	5560	1440	7000	139	4	2	5417	6414	11831	9	-176	264	2100	6793	8853	3	2886	2394	5280	1504	2108	3812
2	665,840	5330	1390	6720	133	4	3	5193	7024	12217	9	-238	253	1972	6943	8915	4	2739	2671	5410	1273	2453	3726
3	657,120	4650	1340	5990	116	4	4	4530	6788	11318	9	-199	221	1954	6910	8864	5	2165	2446	4610	1249	2493	3742
4	648,400	4690	1290	5980	117	4	5	4569	6057	10626	9	-148	223	1892	6838	8730	6	2315	1756	4070	1497	2139	3636
5	638,300	2880	1240	4120	72	4	6	2804	7425	10229	8	-110	137	1931	6869	8800	7	634	3076	3710	1689	2065	3754
6	634,460	-1078	1190	112	-27	4	7	-1055	7525	6470	8	-32	-52	878	6402	7280	8	-1905	4365	2460	773	1502	3275
7	636,380	1918	1142	3060	48	4	8	1866	4214	6080	8	163	91	-81	6225	6144	9	2027	433	2460	333	1648	3011
8	628,920	5620	1090	6710	140	4	9	5476	4943	10419	8	171	267	580	6627	7207	10	4808	-28	4780	1784	1446	3230
9	617,670	5803	1077	6880	145	4	10	5654	5067	10721	8	21	276	1572	6579	8151	11	3835	805	4640	1558	1181	2739
10	606,200	5548	1072	6620	139	4	11	5405	5315	10720	8	-571	263	1801	6464	8265	12	2778	1862	4640	1508	1222	2730
11	595,730	5183	1067	6250	130	4	12	5049	5071	10120	8	-424	246	1682	6482	8164	13	2705	1545	4250	1843	1329	3172
12	585,290	5208	1062	6270	130	4	13	5074	5152	10226	8	-375	247	1637	6535	8172	14	2823	1427	4250	1838	1385	3223
13	575,570	5043	1057	6100	126	4	14	4913	5032	9945	8	-330	240	1632	6487	8119	15	2719	1641	4380	1780	1415	3195
14	565,440	4938	1052	5990	123	4	15	4811	5134	9945	8	-278	235	1505	6419	7924	16	2801	1949	4750	1655	1458	3113
15	556,020	4653	1047	5700	116	4	16	4533	5352	9885	8	-206	221	1307	6307	7614	17	2807	2063	4870	1523	1468	3071

F DATA AT AND BETWEEN SNAKE RIVER GAGING

24 HOUR SECOND-FOOT EXCEPT AS NOTED

AL	DIVERSIONS SHELLEY TO BLACKFOOT			STORAGE LOSS SHELLEY TO BLACKFOOT	THEORETICAL BALANCE OF STORAGE AT BLACKFOOT	DATE	BLACKFOOT RIVER	SNAKE RIVER NEAR BLACKFOOT			CALCULATED INFLOW BLACKFOOT TO NEELEY	STORAGE DIVERSIONS BLACKFOOT TO NEELEY	DATE	AMERICANFALLS RESERVOIR CONTENTS ACRE-FOOT	SNAKE RIVER AT NEELEY			STORAGE DIVERSIONS NEELEY TO WALCOTT	LAKE WALCOTT CONTENTS ACRE-FOOT	MINIDOKA CANALS				
	STORED	NORMAL	TOTAL					STORED	NORMAL	TOTAL					STORED	NORMAL	TOTAL			NORTH	SOUTH	TOTAL	STORED	N
						JUNE 30		0	6910	6910	2894													
						JULY 1		0	6120	6120	2817		JULY 1	1,701,000	1496	9804	11300	3	92,880	1840	1280	2920	194	27
						2		0	5760	5760	2800	2	2	1,695,000	3163	9937	12100	3	93,520	1890	1280	2970	244	27
				- 9	- 137	3	35	- 137	6597	6460	2778	2	3	1,686,000	4440	8560	13000	3	93,550	1700	1280	2980	420	21
30	50	3673	3723	- 13	- 196	4	59	- 196	7026	6830	2748	2	4	1,678,000	3025	9375	12400	3	94,020	1700	1290	2990	264	21
00	50	3631	3681	- 14	- 224	5	66	- 224	6614	6390	2749	2	5	1,670,000	2526	9774	12500	3	93,550	1710	1320	3030	304	2
70	42	3637	3679	- 8	- 117	6	62	- 117	5917	5800	2747	2	6	1,664,000	3237	9363	12600	3	94,020	1730	1330	3060	334	2
00	45	3589	3634	- 16	- 253	7	41	- 253	5293	5040	2757	2	7	1,655,000	3936	8664	12600	3	94,720	1730	1370	3100	436	2
40	183	3538	3721	- 24	- 373	8	41	- 373	4733	4360	2731	2	8	1,644,000	4750	8050	12800	3	94,020	1730	1380	3110	1090	2
70	244	3662	3906	- 61	- 948	9	28	- 948	4788	3840	2725	2	9	1,632,000	5536	7464	13000	3	94,840	1740	1380	3120	1434	1
00	225	3626	3851	- 73	- 1144	10	21	- 1144	4354	3210	2730	2	10	1,621,000	5367	7513	12900	3	95,180	1770	1390	3160	1434	1
40	250	3576	3826	- 69	- 1084	11	29	- 1084	3704	2620	2737	2	11	1,606,000	5716	7084	12800	3	96,390	1780	1390	3170	1444	1
80	278	3639	3917	- 49	- 766	12	39	- 766	3246	2480	2749	2	12	1,590,000	6359	6441	12800	3	96,990	1780	1390	3170	1444	1
10	275	3670	3945	- 47	- 732	13	48	- 732	3152	2420	2745	2	13	1,574,000	6805	5995	12800	3	97,590	1780	1390	3180	1434	1
90	269	3657	3926	- 31	- 490	14	36	- 490	2450	1960	2726	2	14	1,559,000	6803	5897	12700	3	97,470	1780	1390	3180	1434	1
40	273	3602	3875	- 5	- 80	15	37	- 80	1710	1630	2741	2	15	1,538,000	7424	5176	12600	3	96,750	1780	1370	3150	1424	1
70	239	3590	3829	- 4	- 59	16	32	- 59	1469	1410	2729	2	16	1,523,000	7849	4451	12300	3	96,870	1780	1370	3150	2099	1
00	265	3472	3757	- 12	- 194	17	18	- 194	1314	1120	2744	2	17	1,507,000	8102	4198	12300	3	96,630	1780	1340	3120	2322	1
70	267	3360	3627	- 5	- 83	18	14	- 83	947	864	2735	2	18	1,498,000	8242	4058	12300	3	96,630	1780	1330	3110	2452	1
50	261	3276	3537	27	432	19	16	432	226	658	2744	2	19	1,469,000	8518	3682	12200	3	96,270	1780	1310	3090	2808	1
00	281	3312	3593	72	1125	20	24	530	214	644	2736	2	20	1,447,000	9330	2970	12300	3	94,720	1770	1310	3080	3080	1
80	283	3466	3749	120	1902	21	27	813	217	1030	2740	2	21	1,432,000	9360	2950	12300	3	95,180	1770	1320	3090	3090	1
50	389	3424	3813	110	1723	22	21	1049	211	1260	2762	2	22	1,415,000	9443	2957	12400	3	95,180	1760	1330	3090	3100	1
00	767	3038	3805	57	888	23	18	720	208	928	2759	2	23	1,396,000	9627	2973	12600	3	94,950	1760	1330	3090	3090	1
80	880	2971	3851	33	525	24	16	515	206	721	2759	2	24	1,377,000	9733	2967	12700	3	94,600	1760	1330	3090	3090	1
00	1122	2739	3861	53	832	25	29	481	219	700	2764	2	25	1,358,000	9735	2965	12700	3	94,950	1760	1330	3090	3090	1
20	1333	2630	3963	59	926	26	49	705	239	944	2760	2	26	1,341,000	9717	2983	12700	3	94,950	1760	1330	3090	3090	1
10	1280	2631	3911	76	1198	27	82	848	272	1120	2757	2	27	1,323,000	9701	2999	12700	3	95,310	1710	1330	3040	3040	1
20	1302	2642	3944	82	1288	28	62	740	252	992	2760	2	28	1,305,000	9671	3029	12700	3	95,670	1690	1320	3010	3010	1
40	1543	2359	3902	60	941	29	48	567	238	805	2801	2	29	1,288,000	9688	3012	12700	3	96,150	1690	1320	3010	3010	1
00	1573	2305	3878	36	566	30	42	440	232	672	2804	2	30	1,268,000	9661	3039	12700	3	95,180	1690	1310	3000	3000	1
70	1562	2247	3809	19	300	31	28	412	218	630	2805	2	31	1,250,000	9584	3036	12600	3	95,790	1680	1300	2980	2980	1
40	1553	2306	3859	28	433	AUG. 1	20	560	210	770	2804	2	AUG. 1	1,232,000	9276	3024	12300	3	95,910	1540	1230	2790	2790	1
80	1555	2352	3907	40	635	2	28	842	218	1060	2801	2	2	1,216,000	9086	3014	12100	3	95,910	1420	1240	2660	2660	1
00	1579	2291	3870	65	1027	3	29	1441	219	1660	2812	2	3	1,199,000	9481	3019	11500	3	95,910	1340	1190	2530	2530	1
80	1504	2106	3610	83	1299	4	27	1663	217	1880	2819	2	4	1,184,000	8369	3031	11400	3	94,370	1340	1140	2480	2480	1
10	1273	2453	3726	88	1378	5	19	1331	209	1540	2816	2	5	1,172,000	8564	3036	11600	3	94,720	1370	1140	2510	2510	1
00	1249	2493	3742	55	861	6	15	675	205	880	2820	2	6	1,157,000	8575	3025	11600	3	95,180	1380	1190	2570	2570	1
70	1497	2139	3636	49	769	7	25	520	215	735	2823	2	7	1,140,000	8675	3025	11700	3	95,430	1380	1300	2680	2680	1
10	1689	2065	3754	- 63	- 992	8	29	269	219	488	2827	2	8	1,122,000	8662	3038	11700	3	94,490	1380	1260	2640	2640	1
60	773	1502	2275	- 160	- 2518	9	41	221	231	452	2821	2	9	1,105,000	8654	3046	11700	3	94,840	1380	1220	2600	2600	1
00	333	1648	1981	101	1593	10	29	446	219	665	2818	2	10	1,088,000	8648	3052	11700	3	94,490	1390	1210	2600	2600	1
80	1784	1446	3230	183	2841	11	56	1294	246	1540	2852	2	11	1,073,000	8663	3037	11700	3	95,310	1420	1230	2650	2650	1
40	1958	1181	3139	112	1765	12	52	1588	242	1830	2852	2	12	1,059,000	8402	3098	11500	3	95,670	1440	1240	2680	2680	1
00	1908	1222	3130	52	818	13	43	1227	233	1460	2824	2	13	1,044,000	8406	3094	11500	3	95,910	1470	1270	2740	2740	1
50	1843	1329	3172	52	810	14	35	1015	225	1240	2822	2	14	1,030,000	8443	3057	11500	3	95,430	1520	1290	2810	2810	1
00	1838	1385	3223	59	926	15	28	1122	218	1340	2818	2	15	1,017,000	8453	3047	11500	3	95,070	1540	1290	2830	2830	1
60	1780	1326	3106	56	883	16	84	1586	274	1860	2822	2	16	1,003,000	8464	3036	11500	3	94,500	1530	1290	2820	2820	1
50	1655	1415	3070	69	1077	17	103	1907	293	2200	2826	2	17	989,000	8504	3096	11800	3	94,140	1530	1290	2820	2820	1
70	1523	1466	2991	77	1207	18	195	1895	385	2280	2811	2	18	976,000	8981	3119	12100	3	93,320	1540	1290	2830	2830	1
													19	962,000	9304	3196	12500	3	94,020					

R GAGING STATIONS 1953

MINIDOKA CANALS					SNAKE RIVER NEAR MINIDOKA			DATE	MILNER LAKE GAGE FEET	INDIVIDUAL STORED DIVERSIONS MINIDOKA TO MILNER	GOODING PROJECT			NORTH SIDE CANAL COMPANY						TWIN FALLS CANAL COMPANY			MILNER LOW	
ORTH	SOUTH	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL				STORED	NORMAL	TOTAL	P. A.	GOODING	MAIN	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL	STORED	NORMAL
1640	1280	2920	194	2726	1582	7078	8660	JULY 2	10.60	3	1550	0	1550	65	880	2700	3645	292	3353	0	3590	3590	63	135
1690	1280	2970	244	2726	2929	6211	9140	3	10.77	3	1570	0	1570	65	900	2750	3715	715	3000	359	3211	3610	198	0
1700	1280	2980	420	2560	3670	6000	9670	4	11.00	3	1580	0	1580	65	940	2780	3785	785	3000	610	3000	3610	198	0
1700	1290	2990	264	2726	2801	6649	9450	5	10.98	3	1580	0	1580	72	950	2800	3822	773	3049	20	3500	3630	198	0
1710	1320	3030	304	2726	2252	7048	9300	6	10.98	3	1570	0	1570	72	950	2790	3812	499	3313	10	3500	3610	63	135
1730	1330	3060	334	2726	2753	8637	9390	7	10.99	3	1580	0	1580	74	950	2800	3824	787	3057	40	3500	3640	198	0
1730	1370	3100	436	2664	3480	6000	9480	8	10.94	3	1580	0	1580	74	940	2770	3784	784	3000	640	3000	3640	198	0
1730	1380	3110	1060	2050	3550	6000	9550	9	11.02	3	1580	0	1580	74	950	2800	3824	824	3000	650	3000	3650	214	0
1740	1380	3120	1394	1726	4062	5738	9800	10	11.06	3	1590	0	1590	74	970	2840	3884	1146	2738	660	3000	3660	214	0
1770	1390	3160	1434	1726	3733	5787	9520	11	11.00	3	1580	0	1580	74	960	2780	3814	1027	2787	690	3000	3690	214	0
1780	1390	3170	1444	1726	4002	5358	9360	12	10.96	3	1580	0	1580	74	940	2760	3774	1416	2358	710	3000	3710	214	0
1780	1390	3170	1444	1726	4805	4715	9520	13	10.94	3	1580	0	1580	72	940	2780	3792	2077	1715	720	3000	3720	214	0
1780	1390	3170	1454	1726	5491	4269	9760	14	10.98	3	1590	0	1590	72	940	2840	3852	2583	1269	730	3000	3730	214	0
1790	1390	3180	1434	1726	5689	4171	9860	15	10.92	3	1580	0	1580	71	930	2800	3801	2630	1171	730	3000	3730	214	0
1780	1380	3160	1424	1726	6440	3450	9890	16	11.03	3	1550	0	1550	71	1000	2870	3941	3491	450	750	3000	3750	214	0
1780	1370	3150	2099	1051	6330	3400	9730	17	11.03	3	1620	0	1620	74	1070	2880	4024	3624	400	730	3000	3730	214	0
1780	1340	3120	2322	798	6300	3400	9700	18	10.95	3	1610	0	1610	74	1070	2850	3994	3594	400	710	3000	3710	214	0
1780	1330	3110	2452	658	6240	3400	9640	19	10.96	3	1610	0	1610	73	1070	2850	3993	3593	400	730	3000	3730	214	0
1780	1310	3090	2808	282	6270	3400	9670	20	10.85	3	1610	0	1610	73	1060	2820	3953	3553	400	720	3000	3720	214	0
1770	1310	3080	3080	0	6980	2970	9950	21	11.02	3	1630	0	1630	73	1080	2890	4043	3693	350	1110	2580	3750	214	0
1770	1320	3090	3090	0	6720	2950	9670	22	10.98	3	1620	0	1620	73	1080	2880	4033	3685	348	1098	2502	3700	214	0
1760	1330	3090	3090	0	6343	2957	9300	23	10.85	3	1600	0	1600	73	1060	2850	3983	3635	348	1101	2409	3710	214	0
1760	1340	3100	3100	0	6477	2973	9450	24	10.89	3	1610	0	1610	73	1060	2870	4003	3654	349	1126	2524	3750	214	0
1760	1330	3090	3090	0	6673	2967	9640	25	10.94	3	1620	0	1620	73	1070	2880	4023	3674	349	1132	2518	3750	214	0
1760	1330	3090	3090	0	6515	2965	9480	26	10.96	3	1620	0	1620	73	1070	2880	4023	3674	349	1144	2516	3760	214	0
1760	1330	3090	3090	0	6317	2983	9300	27	10.90	3	1630	0	1630	73	1050	2850	3973	3621	352	1129	2531	3780	214	0
1710	1330	3040	3040	0	6301	2999	9300	28	10.91	3	1640	0	1640	73	1050	2840	3963	3610	353	1134	2546	3780	214	0
1690	1320	3010	3010	0	6331	3029	9360	29	10.93	3	1640	0	1640	73	1060	2850	3983	3627	356	1087	2573	3760	215	0
1690	1320	3010	3010	0	6318	3012	9330	30	10.99	3	1640	0	1640	73	1070	2850	3993	3638	355	1093	2557	3750	215	0
1690	1310	3000	3000	0	6351	3039	9390	31	10.96	3	1630	0	1630	73	1060	2850	3983	3625	358	1069	2581	3750	215	0
1650	1300	2950	2950	0	6384	3036	9420	AUG. 1	11.03	3	1630	0	1630	73	1070	2860	4003	3646	357	1071	2575	3750	215	0
1540	1250	2790	2790	0	6526	3024	9550	2	11.10	3	1640	0	1640	73	1100	2910	4083	3727	356	1082	2588	3750	215	0
1420	1240	2660	2660	0	6506	3014	9520	3	11.10	3	1630	0	1630	73	1090	2920	4083	3728	355	1041	2559	3700	215	0
1340	1190	2530	2530	0	6371	3019	9390	4	11.06	3	1610	0	1610	73	1070	2820	3963	3608	355	986	2484	3650	215	0
1340	1140	2480	2480	0	6079	3031	9110	5	11.05	3	1600	0	1600	74	1060	2720	3854	3497	357	916	2574	3590	215	0
1370	1140	2510	2510	0	5804	3036	8840	6	11.00	3	1580	0	1580	74	1020	2660	3754	3398	356	891	2569	3560	216	0
1380	1190	2570	2570	0	5635	3025	8660	7	10.90	3	1590	0	1590	74	1010	2620	3704	3348	356	921	2569	3590	215	0
1380	1300	2680	2680	0	5905	3025	8930	8	10.84	3	1590	0	1590	74	1020	2630	3724	3367	357	919	2581	3600	214	0
1380	1300	2680	2680	0	5982	3038	9020	9	10.90	3	1580	0	1580	74	970	2620	3664	3306	358	902	2588	3590	214	0
1380	1260	2640	2640	0	5974	3046	9020	10	10.87	3	1580	0	1580	74	940	2650	3674	3315	359	907	2593	3600	213	0
1380	1220	2600	2600	0	6058	3052	9110	11	11.00	3	1540	0	1540	74	930	2670	3674	3317	357	920	2580	3600	212	0
1390	1210	2600	2600	0	6043	3037	9080	12	11.03	3	1520	0	1520	74	920	2660	3654	3289	365	877	2733	3610	212	0
1420	1230	2650	2650	0	5802	3098	8900	13	11.02	3	1530	0	1530	74	930	2630	3634	3264	360	953	2697	3650	212	0
1440	1240	2680	2680	0	5806	3094	8900	14	10.98	3	1520	0	1520	74	940	2610	3624	3264	359	962	2688	3650	212	0
1470	1270	2740	2740	0	5843	3057	8900	15	10.90	3	1520	0	1520	74	940	2610	3624	3265	357	981	2679	3660	212	0
1520	1290	2810	2810	0	5793	3047	8840	16	10.91	3	1530	0	1530	74	980	2640	3694	3337	357	919	2731	3650	212	0
1540	1290	2830	2830	0	5864	3036	8900	17	10.99	3	1520	0	1520	74	990	2640	3704	3339	365	918	2752	3670	212	0
1530	1280	2820	2820	0	5804	3096	8900	18	10.97	3	1490	0	1490	74	970	2680	3724	3357	367	918	2752	3670	212	0
1530	1280	2810	2810	0	5811	3119	8930	19	10.99	3	1470	0	1470	74	920	2700	3694	3318	376	850	2620	3670	212	0
1540	1290	2830	2830	0	5644	3196	8840	20	10.88	3														

STATIONS 1953

PLATE NO. 12

RIVER MINIDOKA		DATE	MILNER LAKE GAGE FEET	INDIVIDUAL STORED DIVERSIONS MINIDOKA TO MILNER	GOODING PROJECT			NORTH SIDE CANAL COMPANY					TWIN FALLS CANAL COMPANY			MILNER LOW LIFT			SNAKE RIVER AT MILNER			
NORMAL	TOTAL				STORED	NORMAL	TOTAL	P. A.	GOODING	MAIN	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL
8	8660	JULY 2	10.60	3	1550	0	1550	65	880	2700	3645	292	3353	0	3590	3590	63	135	198	319	0	319
1	9140	3	10.77	3	1570	0	1570	65	900	2750	3715	715	3000	399	5211	3610	198	0	198	319	0	319
0	9670	4	11.00	3	1580	0	1580	65	940	2780	3785	785	3000	610	3000	3610	198	0	198	319	0	319
9	9450	5	10.98	3	1580	0	1580	72	950	2800	3822	773	3049	20	3600	3620	198	0	198	325	0	325
8	9300	6	10.98	3	1570	0	1570	72	950	2790	3812	499	3313	10	3600	3610	198	0	198	325	0	325
7	9390	7	10.99	3	1580	0	1580	74	950	2800	3824	787	3037	40	3600	3640	198	135	198	313	0	313
	9480	8	10.94	3	1580	0	1580	74	940	2770	3784	784	3000	640	3000	3640	198	0	198	316	0	316
	9550	9	11.02	3	1580	0	1580	74	950	2800	3824	824	3000	650	3000	3650	214	0	198	307	0	307
	9800	10	11.06	3	1590	0	1590	74	970	2840	3884	1146	2738	660	3000	3680	214	0	214	299	0	299
	9520	11	11.00	3	1580	0	1580	74	960	2780	3814	1027	2787	690	3000	3690	214	0	214	328	0	328
	9360	12	10.96	3	1580	0	1580	74	940	2760	3774	1416	2358	710	3000	3710	214	0	214	293	0	293
	9520	13	10.94	3	1580	0	1580	72	940	2780	3792	2077	1715	720	3000	3720	214	0	214	285	0	285
	9760	14	10.98	3	1590	0	1590	72	940	2840	3852	2583	1269	730	3000	3730	214	0	214	282	0	282
	9860	15	10.92	3	1580	0	1580	71	930	2800	3801	2630	1171	730	3000	3730	214	0	214	285	0	285
	9890	16	11.03	3	1550	0	1550	71	1000	2870	3941	3491	450	750	3000	3750	214	0	214	280	0	280
	9730	17	11.03	3	1620	0	1620	74	1070	2880	4024	3624	400	730	3000	3730	214	0	214	293	0	293
	9700	18	10.95	3	1610	0	1610	74	1070	2850	3994	3594	400	710	3000	3710	214	0	214	296	0	296
	9840	19	10.96	3	1610	0	1610	73	1070	2850	3993	3593	400	730	3000	3730	214	0	214	293	0	293
	9670	20	10.85	3	1610	0	1610	73	1060	2820	3953	3553	400	720	3000	3720	214	0	214	288	0	288
	9950	21	11.02	3	1630	0	1630	73	1080	2890	4043	3693	350	1110	2620	3730	214	0	214	299	0	299
	9670	22	10.98	3	1620	0	1620	73	1080	2880	4033	3685	348	1098	2602	3700	214	0	214	296	0	296
	9300	23	10.85	3	1600	0	1600	73	1060	2850	3983	3635	348	1101	2609	3710	214	0	214	302	0	302
	9450	24	10.89	3	1610	0	1610	73	1060	2870	4003	3654	349	1126	2624	3750	214	0	214	302	0	302
	9640	25	10.94	3	1620	0	1620	73	1070	2880	4023	3674	349	1132	2618	3750	214	0	214	305	0	305
	9480	26	10.96	3	1620	0	1620	73	1070	2880	4023	3674	349	1144	2616	3760	214	0	214	305	0	305
	9300	27	10.90	3	1630	0	1630	73	1050	2850	3973	3621	352	1129	2631	3760	214	0	214	299	0	299
	9300	28	10.91	3	1640	0	1640	73	1050	2840	3963	3610	353	1134	2646	3780	214	0	214	299	0	299
	9360	29	10.93	3	1640	0	1640	73	1060	2850	3983	3627	356	1087	2673	3760	215	0	215	302	0	302
	9330	30	10.99	3	1640	0	1640	73	1070	2850	3993	3638	355	1093	2657	3750	215	0	215	307	0	307
	9390	31	10.96	3	1630	0	1630	73	1060	2850	3983	3625	358	1069	2681	3750	215	0	215	302	0	302
	9420	AUG. 1	11.03	3	1630	0	1630	73	1070	2860	4003	3646	357	1071	2679	3750	215	0	215	310	0	310
	9550	2	11.10	3	1640	0	1640	73	1100	2910	4083	3727	356	1082	2668	3750	215	0	215	330	0	330
	9520	3	11.10	3	1630	0	1630	73	1090	2920	4083	3728	355	1041	2659	3700	215	0	215	348	0	348
	9390	4	11.06	3	1610	0	1610	73	1070	2820	3963	3608	355	986	2664	3650	215	0	215	322	0	322
	9110	5	11.05	3	1600	0	1600	74	1060	2720	3854	3497	357	916	2674	3590	215	0	215	316	0	316
	8840	6	11.00	3	1580	0	1580	74	1060	2660	3794	3437	357	881	2679	3560	216	0	216	302	0	302
	8680	7	10.90	3	1580	0	1580	74	1020	2660	3754	3398	356	891	2669	3560	216	0	216	307	0	307
	8930	8	10.84	3	1590	0	1590	74	1010	2620	3704	3348	356	921	2669	3590	215	0	215	310	0	310
	9020	9	10.90	3	1590	0	1590	74	1020	2630	3724	3367	357	919	2681	3600	215	0	215	302	0	302
	9020	10	10.87	3	1580	0	1580	74	970	2620	3664	3306	358	902	2688	3590	214	0	214	307	0	307
	9110	11	11.00	3	1580	0	1580	74	940	2660	3674	3315	359	907	2693	3600	214	0	213	319	0	319
	9080	12	11.03	3	1540	0	1540	74	930	2670	3674	3317	357	920	2680	3600	213	0	212	310	0	310
	8900	13	11.02	3	1520	0	1520	74	920	2660	3654	3289	365	877	2733	3610	212	0	212	293	0	293
	8900	14	10.98	3	1530	0	1530	74	930	2630	3634	3270	364	900	2730	3630	212	0	212	296	0	296
	8900	15	10.90	3	1520	0	1520	74	940	2610	3624	3264	360	953	2697	3650	212	0	212	307	0	307
	8840	16	10.91	3	1520	0	1520	74	940	2610	3624	3265	359	962	2688	3650	212	0	212	313	0	313
	8900	17	10.99	3	1530	0	1530	74	980	2640	3694	3337	357	981	2679	3660	212	0	212	310	0	310
	8900	18	10.97	3	1520	0	1520	74	990	2640	3704	3339	365	919	2731	3650	212	0	212	310	0	310
	8930	19	10.99	3	1490	0	1490	74	970	2680	3724	3357	367	918	2752	3670	212	0	212	305	0	305
	8840	20	10.88	3	1470	0	1470	74	920	2700	3694	3318	376	850	2820	3670	212	0	212	305	0	305

DAILY SEGREGATION OF D

DATE	JACKSON LAKE CONTENTS ACRE-FEET	SNAKE RIVER AT MORAN			MORAN TO HEISE		DATE	HEISE & RILEY			STORAGE INFLOW HEISE TO SHELLEY		STORAGE LOSS HEISE TO SHELLEY	DIVERSIONS HEISE TO SHELLEY			DATE	SNAKE RIVER NEAR SHELLEY			DIVER SHELLEY
		STORED	NORMAL	TOTAL	STORED LOSS	STORED DIVERSION		STORED	NORMAL	TOTAL	MARKET LAKE	HENRYS FORK NEAR REXBURG		STORED	NORMAL	TOTAL		STORED	NORMAL	TOTAL	
AUG. 16	546,870	4239	1041	5280	106	4	AUG. 17	4129	5446	9574	8	-119	201	1195	6422	7617	AUG. 18	2622	1928	4550	1315
17	539,150	3803	1037	4840	95	4	18	3704	5518	9222	8	4	181	1177	6383	7560	19	2358	1762	4120	1074
18	531,190	3398	1032	4430	85	4	19	3309	5471	8780	8	-3	161	1101	6318	7419	20	2052	1748	3800	1123
19	524,210	3413	1027	4440	85	4	20	3324	5385	8719	8	-112	162	1078	6379	7457	21	1980	1640	3620	1430
20	517,470	3278	1022	4300	82	4	21	3192	5237	8429	8	-268	156	1044	6377	7421	22	1732	1598	3330	1420
21	510,500	3623	1017	4640	91	4	22	3528	4931	8459	8	-292	172	987	6366	7353	23	2085	1245	3330	1455
22	502,400	4031	889	4920	101	4	23	3926	4726	8652	8	-286	192	1141	6242	7383	24	2315	1325	3640	1484
23	494,550	4046	884	4930	101	4	24	3941	4696	8637	8	-106	192	1213	6228	7441	25	2438	1342	3780	1442
24	486,470	4041	879	4920	101	4	25	3936	4643	8579	8	-80	192	1201	6277	7478	26	2471	1309	3780	1478
25	477,970	3926	874	4800	98	4	26	3824	4574	8398	8	-112	187	1084	6270	7354	27	2449	1071	3520	1599
26	470,640	3811	869	4680	95	4	27	3712	4498	8210	8	-155	181	1044	6176	7220	28	2340	970	3310	1458
27	462,850	3871	869	4740	97	4	28	3770	4495	8265	8	-323	184	958	6168	7126	29	2313	877	3190	1463
28	455,100	3876	864	4740	97	4	29	3775	4398	8173	8	-337	184	1084	6191	7275	30	2178	1012	3190	1518
29	447,360	3871	859	4730	97	4	30	3770	4373	8143	8	-339	184	1272	5713	6985	31	1983	1207	3190	1378
30	439,860	3866	854	4720	96	4	31	3766	4319	8085	8	-315	183	1232	5986	7218	SEPT. 1	2044	916	2960	1354
31	431,950	3821	849	4670	96	4	SEPT. 1	3721	4284	8005	8	-310	182	1396	5860	7256	2	1841	1119	2960	1378
SEPT. 1	424,730	3676	844	4520	92	4	2	3580	4425	8005	8	-315	175	1356	5862	7218	3	1742	1308	3080	1333
2	417,970	3586	844	4430	90	4	3	3492	4573	8065	8	-337	170	1475	5952	7427	4	1518	1482	3000	1276
3	411,460	3618	842	4460	90	4	4	3524	4451	7975	8	-287	172	1333	6073	7406	5	1740	1260	3000	1239
4	404,530	3590	840	4430	90	4	5	3496	4376	7872	8	-304	171	1224	6113	7337	6	1805	1265	3070	1181
5	397,150	3402	838	4240	85	2	6	3315	4327	7642	8	-276	162	1079	5942	7021	7	1806	1204	3010	1175
6	390,240	3382	838	4220	85		7	3297	4255	7552	8	-285	161	1077	5929	7006	8	1782	1138	2920	1178
7	382,270	3354	836	4190	84		8	3270	4222	7492	8	-295	159	1137	5952	7089	9	1687	1013	2700	1108
8	376,950	3226	834	4060	81		9	3145	4273	7418	8	-314	154	1433	5768	7199	10	1252	1258	2510	1155
9	369,870	3408	832	4240	85		10	3323	4008	7331	8	-358	162	1433	5775	7208	11	1378	742	2120	1257
10	362,850	3730	830	4560	93		11	3637	3957	7594	8	-371	177	1669	5638	7307	12	1428	732	2160	1265
11	355,400	4002	798	4800	100		12	3902	3752	7654	8	-333	190	2072	5209	7281	13	1315	1335	2650	1151
12	346,850	4867	783	5650	122		13	4745	3513	8258	8	-201	232	2091	5187	7278	14	2229	941	3170	1211
13	336,450	4832	768	5600	121		14	4711	3771	8482	8	-242	230	2135	5180	7315	15	2112	1218	3330	1206
14	327,550	4577	753	5330	114		15	4463	3730	8193	8	-269	218	2067	5207	7274	16	1917	1373	3290	1125
15	318,750	4192	738	4930	105		16	4087	3846	7933	8	-252	199	1757	5424	7181	17	1887	1383	3270	1087
16	310,600	4042	738	4780	101		17	3941	3809	7750	8	-224	192	1570	5127	6697	18	1963	1497	3460	830
17	302,690	4007	723	4730	100		18	3907	3813	7720	8	-108	191	1473	5052	6525	19	2143	1607	3750	635
18	295,050	3892	708	4600	97		19	3795	3802	7607	8	-68	185	1025	5379	6404	20	2525	1445	3970	588
19	287,840	3667	693	4360	92		20	3575	3809	7384	8	-28	174	911	5367	6278	21	2470	1310	3780	924
20	279,630	3382	678	4060	84		21	3298	3824	7122	8	-65	161	593	5634	6227	22	2487	973	3480	909
21	273,140	3137	603	3740	79		22	3058	3855	6893	8	-134	149	513	5503	6016	23	2270	1040	3310	937
22	267,280	2800	590	3390	70		23	2730	3758	6488	8	-30	133	433	5405	5838	24	2142	1068	3110	962
23	261,440	2525	575	3100	63		24	2462	3808	6268	8	34	120	501	5355	5856	25	1883	1227	3110	969
24	256,480	2320	560	2880	58		25	2262	3662	5924	8	-28	110	476	5280	5756	26	1656	1084	2720	981
25	251,100	2385	545	2930	60		26	2325	3630	5955	8	-85	113	483	5320	5803	27	1652	998	2650	991
26	246,340	2230	530	2760	56		27	2174	3620	5794	8	-136	106	472	5228	5700	28	1468	1182	2650	771
27	241,200	2465	515	2980	62		28	2403	3491	5894	8	-131	117	470	5173	5643	29	1693	1117	2810	981
28	236,300	1840	500	2340	46		29	1794	3888	5682	8	-136	81	511	5039	5550	30	1074	1806	2880	511
29	232,840	805	485	1290	20		30	785	4323	5118	8		38	472	4890	5362	OCT. 1	147			
TOTAL		310,219			7,755	194		302,270			807	-13,632	14,732	123,608				151,105			94

F DATA AT AND BETWEEN SNAKE RIVER (

24 HOUR SECOND-FOOT EXCEPT AS NOTED

L	DIVERSIONS SHELLEY TO BLACKFOOT			STORAGE LOSS SHELLEY TO BLACKFOOT	THEORETICAL BALANCE OF STORAGE AT BLACKFOOT	DATE	BLACKFOOT RIVER	SNAKE RIVER NEAR BLACKFOOT			CALCULATED INFLOW BLACKFOOT TO NEELEY	STORAGE DIVERSIONS BLACKFOOT TO NEELEY	DATE	AMERICAN FALLS RESERVOIR CONTENTS ACRE-Feet	SNAKE RIVER AT NEELEY			STORED DIVERSIONS NEELEY TO WALCOTT	LAKE WALCOTT CONTENTS ACRE-Feet	NORTH
	STORED	NORMAL	TOTAL					STORED	NORMAL	TOTAL					STORED	NORMAL	TOTAL			
1319	1573	2892	78	1225	AUG. 19	170	1670	360	2030	2807	2	AUG. 20	946,000	9633	3167	12800	3	94,490	1570	
1074	1723	2797	77	1207	20	89	1151	279	1430	2800	2	21	928,000	9621	3079	12700	3	95,180	1600	
1123	1826	2949	56	873	21	51	829	241	1070	2810	2	22	910,000	9249	3051	12300	3	95,430	1570	
1430	1559	2989	33	517	22	48	574	236	812	2790	2	23	895,000	9172	3028	12200	3	95,390	1550	
1420	1553	2953	19	293	23	32	394	222	616	2784	2	24	877,000	8794	3006	11800	3	95,910	1540	
1455	1515	2970	38	592	24	39	422	229	651	2771	2	25	862,000	8500	3000	11500	3	96,270	1540	
1484	1608	3092	50	781	25	25	597	218	812	2769	2	26	847,000	8416	2984	11400	3	95,670	1580	
1442	1631	3073	60	936	26	25	657	215	872	2773	2	27	831,000	8612	2988	11600	3	94,490	1630	
1478	1656	3134	59	934	27	18	632	208	840	2781	2	28	816,000	8611	2989	11600	3	93,790	1600	
1599	1442	3041	51	799	28	16	452	206	658	2782	2	29	800,000	8912	2988	11900	3	92,860	1560	
1459	1400	2859	53	828	29	11	429	201	630	2779	2	30	783,000	9120	2980	12100	3	93,320	1500	
1463	1328	2781	51	799	30	10	444	200	644	2777	2	31	767,000	9023	2977	12000	3	94,020	1470	
1518	1135	2653	40	620	31	12	568	202	770	2786	2	SEPT. 1	750,000	8912	2988	11900	3	94,600	1460	
1378	1274	2652	36	569	SEPT. 1	12	547	202	749	2794	2	2	734,000	8704	2996	11700	3	94,250	1290	
1354	1101	2455	41	649	2	10	409	200	609	2797	2	3	721,000	8203	2997	11200	3	96,630	1210	
1378	1098	2473	28	435	3	13	469	203	672	2798	2	4	708,000	7699	3001	10700	3	97,230	1130	
1333	1115	2448	24	385	4	13	602	203	805	2805	2	5	692,000	7392	3008	10400	3	97,350	1030	
1276	1081	2357	15	227	5	13	637	203	840	2812	2	6	679,000	7385	3015	10400	3	97,590	1060	
1239	1050	2289	30	471	6	12	694	202	896	2810	2	7	668,000	7288	3012	10300	3	97,590	1000	
1181	1074	2255	37	587	7	20	782	210	992	2797	2	8	654,000	6923	3007	9930	3	97,470	1030	
1175	1080	2255	38	593	8	19	687	209	898	2799	2	9	642,000	6682	3008	9690	3	96,390	1040	
1178	1105	2283	36	568	9	10	465	200	665	2798	2	10	629,000	6652	2998	9650	3	95,180	1040	
1106	1221	2327	35	546	10	6	238	196	434	2796	2	11	618,000	6658	2992	9550	3	94,950	1040	
1155	1077	2232	6	91	11	6	169	196	365	2793	2	12	605,000	6461	2989	9450	3	94,250	1040	
1257	905	2162	7	114	12	5	80	195	275	2789	2	13	592,000	6426	2984	9410	3	93,550	1040	
1265	800	2065	10	153	13	8	72	198	270	2797	2	14	580,000	6415	2985	9410	3	93,550	1040	
1151	968	2119	10	154	14	16	410	206	616	2802	2	15	569,000	6352	3008	9360	3	93,200	940	
1211	1056	2267	61	957	15	11	899	201	1100	2797	2	16	558,000	6262	2998	9260	3	93,320	940	
1206	1036	2242	54	852	16	7	1083	197	1280	2800		17	546,000	6263	2997	9260	3	92,740	840	
1125	1007	2132	47	745	17	8	1122	198	1320	2798		18	536,000	5882	2996	8880	3	94,840	840	
1087	988	2075	48	752	18	17	1273	207	1480	2792		19	527,000	5651	2999	8650	3	95,910	840	
930	994	1824	68	1065	19	29	1871	219	2090	2789		20	522,000	4372	3008	7380	3	97,840	840	
635	1027	1662	90	1418	20	33	2237	223	2460	2782		21	520,000	3435	3005	6440	3	97,590	840	
588	1039	1627	116	1821	21	30	2150	220	2370	2783		22	517,000	3237	3003	6240	3	96,390	840	
924	926	1850	93	1453	22	41	1799	231	2030	2778		23	513,000	3191	3009	6200	0	95,430	840	
909	900	1809	94	1484	23	41	1509	231	1740	2778		24	510,000	3151	3009	6160		94,840	840	
937	1064	2001	80	1253	24	29	1231	219	1450	2784		25	506,000	3157	3003	6160		93,900	840	
962	1149	2111	71	1109	25	41	989	231	1220	2793		26	502,000	3136	3024	6160		94,020	840	
969	1115	2084	55	859	26	37	803	227	1030	2783		27	498,000	3110	3010	6120		93,320	840	
982	1149	2131	40	634	27	22	564	316	880	2779		28	492,000	3025	3095	6120		91,920	840	
995	1057	2052	39	618	28	20	100	876	976	2783		29	488,000	1501	3659	5160		92,390	840	
774	1277	2051	42	652	29	18	0	1000	1000	2786		30	488,000	904	3786	4690		91,230	840	
961	1036	1997	44	688	30	39														
599	1353	1952	29	446																
								52,864			154			655,136			252			
94,229				3,399		53,330														

R GAGING STATIONS 1953

PLATE N

MINIDOKA CANALS					SNAKE RIVER NEAR MINIDOKA			DATE	MILNER LAKE GAGE FEET	INDIVIDUAL STORED DIVERSIONS MINIDOKA TO MILNER	GOODING PROJECT			NORTH SIDE CANAL COMPANY				TWIN FALLS CANAL COMPANY			MILNER LOW LIFT			SNAR AT		
WTH	SOUTH	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL				STORED	NORMAL	TOTAL	P.A.	GOODING	MAIN	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL	STORED		NORMAL	TOTAL
70	1290	2860	2860	0	6073	3167	9240	AUG. 21	10.99	3																
100	1300	2900	2900	0	6281	3079	9360	22	11.05	3	1480	0	1480	74	930	2840	3844	3411	373	876	2794	3670	212	0	212	310
70	1310	2880	2880	0	6309	3051	9360	23	11.07	3	1480	0	1480	74	930	2840	3844	3411	373	876	2794	3670	212	0	212	310
60	1290	2850	2850	0	6022	3028	9050	24	11.03	3	1480	0	1480	74	940	2860	3874	3515	359	974	2716	3690	213	0	213	325
60	1270	2830	2830	0	6134	3006	9140	25	11.02	3	1460	0	1460	75	940	2840	3855	3499	356	998	2692	3690	213	0	213	325
60	1250	2810	2810	0	5840	3000	8840	26	10.96	3	1460	0	1460	75	950	2840	3885	3511	354	1018	2672	3690	213	0	213	335
80	1230	2810	2810	0	5796	2984	8780	27	10.90	3	1450	0	1450	75	930	2760	3765	3412	353	1048	2652	3700	213	0	213	330
30	1230	2860	2860	0	6062	2988	9050	28	10.95	3	1450	0	1450	75	900	2740	3715	3384	351	1043	2647	3690	214	0	214	313
00	1250	2850	2850	0	6251	2989	9240	29	11.00	3	1460	0	1460	75	920	2790	3785	3435	352	1037	2635	3670	214	0	214	310
60	1230	2790	2790	0	6372	2988	9360	30	11.08	3	1460	0	1460	75	920	2820	3815	3463	352	1034	2636	3670	214	0	214	313
00	1180	2680	2680	0	6200	2980	9180	31	11.03	3	1480	0	1480	75	930	2840	3845	3493	352	1003	2637	3640	214	0	214	313
70	1160	2630	2630	0	6293	2977	9270	SEPT. 1	11.01	3	1460	0	1460	75	920	2830	3825	3474	351	984	2636	3620	214	0	214	325
40	1140	2580	2580	0	6122	2988	9110	2	10.95	3	1460	0	1460	61	930	2800	3791	3441	350	971	2629	3600	214	0	214	321
90	1090	2380	2380	0	6274	2996	9270	3	11.08	2	1450	0	1450	60	920	2760	3740	3388	350	903	2627	3530	214	0	214	339
20	1020	2240	2240	0	5693	2997	8690	4	10.99	2	1460	0	1460	60	920	2730	3710	3357	352	824	2636	3480	214	0	214	325
30	948	2078	2078	0	5419	3001	8420	5	10.91	2	1440	0	1440	60	880	2660	3600	3247	353	807	2643	3450	214	0	214	387
90	898	1988	1988	0	5382	3008	8390	6	10.88	2	1430	0	1430	60	870	2620	3550	3197	353	798	2644	3440	212	0	212	379
60	844	1904	1904	0	5345	3015	8360	7	10.86	2	1410	0	1410	60	860	2590	3510	3156	354	812	2648	3460	198	0	198	302
00	832	1832	1832	0	5348	3012	8360	8	10.85	2	1400	0	1400	60	860	2580	3500	3145	355	776	2654	3430	198	0	198	305
30	932	1962	1962	0	5293	3007	8300	9	10.84	2	1350	0	1350	60	850	2560	3490	3136	354	722	2658	3380	190	0	190	302
40	942	1982	1982	0	5262	3008	8270	10	10.88	2	1330	0	1330	60	830	2570	3460	3106	354	677	2653	3330	175	0	175	302
40	929	1969	1969	0	5122	2998	8120	11	10.90	2	1330	0	1330	60	830	2500	3390	3036	354	636	2654	3290	175	0	175	305
40	911	1951	1951	0	4918	2992	7910	12	10.86	2	1270	0	1270	60	820	2420	3300	2947	353	615	2645	3260	175	0	175	305
40	923	1963	1963	0	4711	2989	7700	13	10.74	2	1260	0	1260	60	800	2390	3250	2898	352	560	2646	3200	175	0	175	305
30	880	1910	1910	0	4746	2984	7730	14	10.68	2	1290	0	1290	59	810	2390	3259	2907	352	563	2637	3200	175	0	175	305
30	847	1877	1877	0	4685	2995	7680	15	10.75	2	1300	0	1300	59	830	2400	3289	2938	351	567	2633	3200	174	0	174	229
70	817	1787	1787	0	4552	3008	7560	16	10.80	2	1300	0	1300	59	840	2390	3289	2937	352	477	2643	3120	168	0	168	45
03	774	1677	1677	0	4302	2998	7300	17	10.69	2	1300	0	1300	59	840	2310	3209	2855	354	356	2654	3010	168	0	168	6
82	749	1631	1631	0	4213	2997	7210	18	10.91	2	1300	0	1300	59	850	2130	3039	2686	353	155	2645	2800	160	0	160	6
37	760	1597	1597	0	3714	2996	6710	19	10.89	2	1300	0	1300	59	850	2020	2929	2576	353	126	2644	2770	156	0	156	8
18	573	1491	1472	19	3510	2980	6490	20	10.92	2	1270	0	1270	59	850	1980	2889	2533	356	0	2640	2640	156	0	156	7
22	584	1406	1128	278	3370	2730	6100	21	10.83	0	1250	0	1250	51	860	1970	2881	2481	400	0	2580	2580	132	0	132	1
20	549	1369	884	485	2970	2520	5490	22	10.57		1240	0	1240	51	840	1780	2671	2271	400	0	2330	2330	132	0	132	
16	584	1400	887	513	2750	2490	5240	23	10.44		1230	0	1230	48	820	1510	2378	1978	400	0	2120	2120	132	0	132	
09	587	1396	757	639	2870	2370	5240	24	10.42		1230	0	1230	48	810	1410	2268	1868	400	0	2090	2090	132	0	132	
09	589	1398	759	639	2820	2370	5190	25	10.45		1200	0	1200	48	800	1350	2198	1798	400	0	1970	1970	132	0	132	
40	574	1314	681	633	2800	2370	5170	26	10.52		1180	0	1180	48	830	1320	2198	1798	400	0	1970	1970	132	0	132	
02	587	1289	635	654	2730	2370	5100	27	10.51		1180	0	1180	0	800	1330	2178	1778	400	0	1970	1970	132	0	132	
00	613	1313	663	650	2760	2360	5120	28	10.47		1190	0	1190		810	1230	2040	1640	400	0	1960	1960	132	0	132	
96	618	1314	589	725	2840	2370	5210	29	10.56		850	0	850		550	1460	2010	1610	400	0	1970	1970	132	0	132	
28	648	1376	57	1319	1760	2340	4100	30	10.56				0		0	1880	1880	1480	400	0	1940	1940	132	0	132	
48	698	1446	0	1446	1240	2340	3580																			
											227			132,750				258,386			63,377			17,610		23
188,085					470,503																					

STATIONS

1953

PLATE NO. 13

RIVER MINIDOKA		DATE	MILNER LAKE GAGE FEET	INDIVIDUAL STORED DIVERSIONS MINIDOKA TO MILNER	GOODING PROJECT			NORTH SIDE CANAL COMPANY				TWIN FALLS CANAL COMPANY			MILNER LOW LIFT			SHAKE RIVER AT MILNER				
NORMAL	TOTAL				STORED	NORMAL	TOTAL	R.A.	GOODING	MAIN	TOTAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL	STORED	NORMAL
7	9240	AUG. 21	10.99	3																		
9	9360	22	11.05	3	1480	0	1480	74	930	2780	3784	3411	373	876	2794	3670	212	0	212	310	0	310
11	9360	23	11.07	3	1480	0	1480	74	930	2840	3844	3481	363	974	2716	3690	213	0	213	325	0	325
8	9050	24	11.03	3	1480	0	1480	74	940	2860	3874	3518	359	998	2692	3690	213	0	213	354	0	354
6	9140	25	11.02	3	1460	0	1460	75	940	2840	3855	3499	356	1018	2672	3690	213	0	213	353	0	353
0	8840	26	10.96	3	1460	0	1460	75	950	2840	3865	3511	354	1048	2652	3700	213	0	213	330	0	330
3	8780	27	10.90	3	1450	0	1450	75	930	2760	3765	3412	353	1043	2647	3690	214	0	214	313	0	313
	9050	28	10.95	3	1450	0	1450	75	900	2740	3715	3364	351	1037	2633	3670	214	0	214	310	0	310
1	9240	29	11.00	3	1460	0	1460	75	920	2790	3785	3433	352	1034	2636	3670	214	0	214	313	0	313
	9360	30	11.08	3	1460	0	1460	75	930	2840	3845	3493	352	1003	2637	3640	214	0	214	313	0	313
	9180	31	11.03	3	1460	0	1460	75	920	2830	3825	3474	351	984	2636	3620	214	0	214	325	0	325
	9270	SEPT. 1	11.01	3	1480	0	1480	61	930	2800	3791	3441	350	971	2629	3600	214	0	214	321	0	321
	9110	2	10.95	3	1450	0	1450	60	920	2760	3740	3388	352	903	2627	3530	214	0	214	339	0	339
	9270	3	11.08	2	1460	0	1460	60	920	2730	3710	3357	353	807	2643	3450	214	0	214	325	0	325
	8690	4	10.99	2	1440	0	1440	60	880	2680	3600	3247	353	796	2644	3440	212	0	212	379	0	379
	8420	5	10.91	2	1430	0	1430	60	870	2620	3550	3197	353	812	2648	3460	198	0	198	302	0	302
	8390	6	10.88	2	1410	0	1410	60	860	2590	3510	3156	354	776	2654	3430	198	0	198	305	0	305
	8360	7	10.86	2	1400	0	1400	60	860	2580	3500	3145	355	750	2660	3410	198	0	198	302	0	302
	8360	8	10.85	2	1350	0	1350	60	850	2580	3490	3136	354	722	2658	3380	190	0	190	302	0	302
	8300	9	10.84	2	1330	0	1330	60	830	2570	3460	3106	354	677	2653	3330	175	0	175	302	0	302
	8270	10	10.88	2	1330	0	1330	60	830	2500	3390	3036	354	636	2654	3290	175	0	175	305	0	305
	8120	11	10.90	2	1270	0	1270	60	820	2420	3300	2947	353	615	2648	3260	175	0	175	305	0	305
	7910	12	10.86	2	1260	0	1260	60	800	2390	3250	2898	352	560	2640	3200	175	0	175	305	0	305
	7700	13	10.74	2	1290	0	1290	59	810	2390	3259	2907	352	563	2637	3200	175	0	175	305	0	305
	7730	14	10.68	2	1300	0	1300	59	830	2400	3269	2938	351	567	2633	3200	174	0	174	229	0	229
	7680	15	10.75	2	1366	0	1300	59	840	2390	3269	2937	352	477	2643	3120	168	0	168	45	0	45
	7560	16	10.80	2	1300	0	1300	59	840	2310	3209	2855	354	356	2654	3010	168	0	168	8	0	8
	7300	17	10.69	2	1300	0	1300	59	850	2130	3039	2686	353	155	2645	2800	160	0	160	8	0	8
	7210	18	10.91	2	1300	0	1300	59	850	2020	2929	2576	353	126	2644	2770	156	0	156	8	0	8
	6710	19	10.89	2	1270	0	1270	59	850	1980	2889	2533	356	0	2640	2640	156	0	156	7	0	7
	6490	20	10.92	2	1250	0	1250	51	860	1970	2881	2481	400	0	2580	2580	132	0	132	7	0	7
	6100	21	10.83	0	1240	0	1240	51	840	1780	2671	2271	400	0	2330	2330	132	0	132	6	0	6
	5490	22	10.57		1230	0	1230	48	820	1510	2378	1978	400	0	2120	2120	132	0	132	5	0	5
	5240	23	10.44		1230	0	1230	48	810	1410	2268	1868	400	0	2090	2090	132	0	132	4	0	4
	5240	24	10.42		1230	0	1230	48	800	1350	2198	1798	400	0	1970	1970	132	0	132	4	0	4
	5190	25	10.45		1200	0	1200	48	830	1320	2198	1798	400	0	1970	1970	132	0	132	4	0	4
	5170	26	10.52		1180	0	1180	48	800	1330	2178	1778	400	0	1970	1970	132	0	132	4	0	4
	5100	27	10.51		1180	0	1180	0	800	1280	2080	1680	400	0	1970	1970	132	0	132	3	0	3
	5120	28	10.47		1190	0	1190		810	1230	2040	1640	400	0	1960	1960	132	0	132	3	0	3
	5210	29	10.56		850	0	850		550	1460	2010	1610	400	0	1970	1970	132	0	132	3	0	3
	4100	30	10.56				0		0	1880	1880	1480	400	0	1940	1940	132	0	132	3	0	3
	3580																					
				227	132,750						258,386		63,377				17,610			23,535		

DAILY STORAGE DIVERSIONS — MAIN RIVER

24 HOUR SECOND-FEET EXCEPT AS NOTED

AUGUST

SEPT

[illegible]

RIVER 1953

SEPTEMBER

SEPTEMBER																			NO.	TOTAL		JACKSON LAKE EQUIVALENT ACRE-Feet	AMERICAN FALLS RIGHT		JACKSON LAKE RIGHT ACRE-Feet	RENTALS ACRE-Feet	OTHER RIGHTS ACRE-Feet	TOTAL RIGHTS ACRE-Feet
2	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		SECOND-Feet	ACRE-Feet		OWNED ACRE-Feet	LEASED ACRE-Feet				
24	18	12	13	13	0	0	7	14	12	13	18	18	14	15	14	14	12	8	1	194	385	415				② 415		415
32	60	112	102	94	90	90	88	80	24	17	6	0							2	1,486	2,947	3,178	190	79	2,072	④ 1,200		3,541
67	87	87	85	84	0	0	0	4	0	0	0	61	61	75	74	75	74	71	3	13,033	25,850	27,873	3,531	997	18,163	① 500	⑤ 8,220	29,411
	0	2	1	1	1	1	1	1	1	0	0	3	4	6	6	6	6	4	4	1,061	2,104	2,269			2,000	② 455		2,495
																			5	6,768	13,424	14,474	2,524	1,200	17,651	③ 1,239	⑤ - 8,220	14,394
																			6	131	260	280				⑥ 300		300
																			7	172	341	368				⑦ 400		400
																			8	12	24	26				⑧ 23		23
04	306	317	332	101	97	66	64	25	26	11	9	0							9	136	270	291				⑨ 400		400
60	63	62	59	60	61	26	21	14	0										10	91	180	194				⑩ 200		200
27	111	83	83	75	69	69	64	60	17	19	11	11	2	6	0				11	5,697	11,299	12,184	3,401		20,567			23,968
																			12	5,055	10,026	10,811	749	1,513	5,430	① 3,121		10,813
																			13	9,981	19,797	21,347	2,686	2,739	17,413			22,838
																			14	0	0	0				② 100		100
25	25	25	25	25	25	19	12	12	13	12	10	10	9	9	9	0			15	42	83	90				③ 90		90
15	61	68	62	51	47	62	33	24	42	13	15	0	1	2	13	17	13	0	16	470	932	1,005			1,040			1,040
30	69	71	69	70	69	69	67	71	58	49	49	43	37	30	28	28	30	13	17	2,662	5,280	5,693			4,000	④ 2,000		6,000
	0																		18	4,436	8,799	9,488	1,094	586	8,008			9,888
																			19	356	706	761	721	293	3,300			4,314
																			20	85	169	182				⑤ 300		300
21	22	21	21	22	21	17	16	16	0										21	309	613	661				⑥ 1,000		1,000
																			22	305	605	652	250	67	1,147			1,464
3	0					0	3	3	0										23	623	1,236	1,333				⑦ 1,333		1,333
78	177	176	166	157	157	157	0												24	133	264	285				⑧ 285		285
05	105	113	125	126	125	125	114	114	113	113	53	115	115	115	115	115	115		25	1,564	3,102	3,344	1,320	6,611	6,041			14,442
3	0																		26	7,964	15,796	17,033	3,807	3,134	17,423			24,364
1	0							0	1	1	1	1	0						27	122	242	261	54	29	247	⑨ 150		480
9	9	11	9	9	9	9	9	9	9	8	7	3	0						28	50	99	107				⑩ 92		112
10	0																		29	1,363	2,703	2,915			355	⑪ 2,230	③ 1,726	4,311
34	34	34	34	34	34	34	34	34	0										30	7,910	15,689	16,917	6,480	735	29,561			36,876
74	550	527	464	439	392	363	149	137	0										31	2,380	4,721	5,091	567	336	4,098	⑫ 500		5,501
																			32	19,041	37,767	40,722	7,277	1,887	38,311	⑬ 1,730		49,205
																			33	23	46	50				⑭ 50		50
43	65	77	81	85	86	87	91	95	85	75	74	73	70	65	61	60	59	59	34	3,723	7,384	7,962	1,710	196	7,828			9,734
120	324	332	326	302	278	269	247	193	187	177	175	158	158	157	152	155	202	202	35	25,996	51,563	55,613	7,457		49,135			56,592
5	5	5	5	5	5	5	5	5	5	5	5	5	5	3	0				36	428	849	915				⑮ 955		955
0722091	2135	2067	1757	1570	1473	1025	911	593	513	433	501	476	483	472	470	511	472	37	123,608	245,170	264,375	43,838	20,402	251,982	19,071	1,726	337,019	
14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	0								38	145	288	310				⑯ 310		310
																			39	826	1,638	1,766	3,610	1,459	16,523	⑰ -6,000		15,592
44	33	48	44	37	48	48	0												40	658	1,305	1,407				⑱ 2,000		2,000
13	331	340	400	379	370	117	0	0	343	333	324	328	324	324	338	127	333	0	41	23,906	47,417	51,134	6,057	3,354	35,723	⑲ 6,000		51,134
122	801	778	727	680	644	631	593	568	561	564	589	609	628	654	657	647	628	596	42	67,034	132,960	143,360	15,645	20,908	114,296	⑳ -55		150,794
0	0	59	49	43	39	48	56	34	34	26	24	25	17	4	0	0	0	3	43	1,473	2,921	3,150	961	178	4,396			5,535
																			44	187	371	400	371		1,701			2,072
65	1151	1211	1206	1125	1087	830	635	588	924	909	937	962	969	982	995	774	961	599	45	94,229	186,900	201,527	26,644	25,899	172,639	2,310	-55	227,437
2	2	2	2	0															46	154	305					㉑ 250	⑬ 55	305
3	3	3	3	3	3	3	3	3	3	3	0								47	252	500							

① RENTED FROM U.S.
 ② RENTED FROM TW
 ③ 717 A.F. FROM U.S.
 ④ 200 A.F. FROM U.S.
 ⑤ TRANSFER FROM
 ⑥ 150 A.F. FROM U.S.
 ⑦ 100 A.F. FROM U.S.
 ⑧ 420 A.F. FROM U.
 ⑨ FROM MARKET LA
 ⑩ 2,130 A.F. FROM U
 ⑪ 100 A.F. FROM U
 ⑫ 5,000 A.F. RENTE
 ⑬ TO WILLIAMS P
 ⑭ WALCOTT 92,80
 ⑮ RENTED FROM
 ⑯ SEE PLATES 2
 WATER USED

26	27	28	29	30	NO.	TOTAL SECOND- FEET	TOTAL ACRE- FEET	JACKSON LAKE EQUIVALENT ACRE- FEET	AMERICAN FALLS RIGHT OWNED ACRE- FEET	AMERICAN FALLS RIGHT LEASED ACRE- FEET	JACKSON LAKE RIGHT ACRE- FEET	RENTALS ACRE- FEET	OTHER RIGHTS ACRE- FEET	TOTAL RIGHTS ACRE- FEET
					1	194	385	415				(2) 415		415
15	14	14	12	8	2	1,486	2,947	3,178	190	79	2,072	(4) 1,200	(5) 8,220	3,541
					3	13,033	25,850	27,873	3,531	997	16,163	(1) 500		29,411
75	74	75	74	71	4	1,061	2,104	2,269			2,000	(2) 495	(5) - 8,220	2,495
6	6	6	6	4	5	6,768	13,424	14,474	2,524	1,200	17,651	(3) 1,239		14,394
					6	131	260	280				(6) 300		300
					7	172	341	368				(1) 400		400
					8	12	24	26				(2) 23		23
					9	136	270	291				(1) 400		400
					10	91	180	194				(7) 200		200
					11	5,697	11,299	12,184	3,401		20,567			23,968
6	0				12	5,055	10,026	10,811	749	1,513	5,430	(1) 3,121		10,813
					13	9,981	19,797	21,347	2,686	2,739	17,413			22,838
					14	0	0	0				(1) 100		100
					15	42	83	90				(1) 90		90
9	9	0			16	470	932	1,005			1,040			1,040
2	13	17	13	0	17	2,662	5,280	5,693			4,000	(2) 2,000		6,000
30	28	28	30	13	18	4,436	8,799	9,488	1,094	586	8,008			9,688
					19	356	706	761	721	293	3,300			4,314
					20	85	169	182				(1) 300		300
					21	309	613	661				(2) 1,000		1,000
					22	305	605	652	250	67	1,147			1,464
					23	623	1,236	1,333				(2) 1,333		1,333
					24	133	264	285				(1) 285		285
15	115	115	115	115	25	1,564	3,102	3,344	1,320	6,611	6,041	(8) 470		14,442
					26	7,964	15,796	17,033	3,807	3,134	17,423			24,364
					27	122	242	261	54	29	247	(1) 150		480
					28	50	99	107	20		92			112
					29	1,363	2,703	2,915			355	(10) 2,230	(9) 1,726	4,311
					30	7,910	15,689	16,917	6,480	735	29,661			36,876
					31	2,380	4,721	5,091	567	336	4,098	(2) 500		5,501
					32	19,041	37,767	40,722	7,277	1,887	38,311	(1) 1,730		49,205
					33	23	46	50				(2) 50		50
5	61	60	59	59	34	3,723	7,384	7,962	1,710	196	7,828			9,734
7	152	155	202	202	35	25,996	51,563	55,613	7,457		49,135			56,592
3	0				36	428	849	915				(3) 955		955
3	472	470	511	472	37	123,608	245,170	264,375	43,838	20,402	251,982	19,071	1,726	337,019
					38	145	288	310				(11) 310		310
					39	826	1,638	1,766	3,610	1,459	16,523	(12) - 6,000		15,592
					40	658	1,305	1,407				(2) 2,000		2,000
4	338	127	333	0	41	23,906	47,417	51,134	6,057	3,354	35,723	(12) 6,000		51,134
4	657	647	628	596	42	67,034	132,960	143,360	15,645	20,908	114,296		(13) - 55	150,794
	0	0	0	3	43	1,473	2,921	3,150	961	178	4,396			5,535
					44	187	371	400	371		1,701			2,072
2	995	774	961	599	45	94,229	186,900	201,527	26,644	25,899	172,639	2,310	- 55	227,437
					46	154	305					(1) 250	(13) 55	305
					47	252	500					(1) 500		500
663	589	57	0		48	188,085	373,062		393,972	26,567			(14) 151,009	571,548
					49	227	450					(1) 450		450
132	132	132	132		50	17,610	34,929		45,687	3,332				49,019
					51	63,377	125,707		151,185		97,183	(15) - 12,779		235,589
1680	1640	1610	1480		52	258,386	512,501		455,236	45,763	312,007			813,006
1180	1190	850	0		53	132,750	263,306		400,000					400,000
					54	22,688	45,000		45,000					45,000
					55	0	0		0	13,593		- 13,593		0
GRAND TOTALS						901,560	1,788,215		1,561,562	135,556	833,811	- 3,376	152,735	2,680,288

NOTES

- ① RENTED FROM U.S.
- ② RENTED FROM TWIN FALLS CANAL CO.
- ③ 717 A.F. FROM U.S.; 238 FROM TWIN FALLS CANAL CO.
- ④ 200 A.F. FROM U.S.; 1,000 FROM TWIN FALLS CANAL CO.
- ⑤ TRANSFER FROM ENTERPRISE
- ⑥ 150 A.F. FROM U.S.; 150 FROM TWIN FALLS CANAL CO.
- ⑦ 100 A.F. FROM U.S.; 100 FROM TWIN FALLS CANAL CO.
- ⑧ 420 A.F. FROM U.S.; 50 FROM TWIN FALLS CANAL CO.
- ⑨ FROM MARKET LAKE SPRINGS
- ⑩ 2,130 A.F. FROM U.S.; 100 FROM TWIN FALLS CANAL CO.
- ⑪ 100 A.F. FROM U.S.; 210 FROM TWIN FALLS CANAL CO.
- ⑫ 6,000 A.F. RENTED BY BLACKFOOT TO PEOPLES CANAL
- ⑬ TO WILLIAMS PUMP FROM ABERDEEN
- ⑭ WALCOTT 92,860 A.F. ON JULY 1 PLUS 58,149 GAIN NEELEY TO MILNER
- ⑮ RENTED FROM JACKSON LAKE TO UPPER VALLEY USERS
- ⑯ SEE PLATES 22 & 23 FOR JACKSON LAKE AND AMERICAN FALLS WATER USED ON HENRYS FORK

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

File Number Washington District

TIME INTERVAL BETWEEN GAGING STATIONS ON SNAKE RIVER

Plate No 15



[illegible]

JUNE 1953

CANAL

[illegible]

TETON RIVER CANALS

DEWEY	9	8	8	9	9	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
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Category	Value
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[illegible]

SIDOWAY	16	16	16
WILFORD	119	137	128
TETON IRRIGATION	116	116	116
GOOD LUCK	20	10	10
PIONEER	0	0	0
STEWART	40	62	50
PINCOCK-BYINGTON	30	30	30
PINCOCK-GARNER	24	23	20
GARDNER	0	0	0
TETON ISLAND FEEDER	420	427	410
NORTH SALEM	0	0	0
ROXANA	22	26	20
ISLAND WARD	15	25	23
WOODMANSEE-JOHNSON	30	30	25
EAMES-THOMPSON	0	0	0
MCCORMICK-ROWE	3	3	3
CITY OF REXBURG	35	34	34
REXBURG IRRIGATION	255	264	250
SAURY-SOMMERS	10	10	10
TOTAL TETON RIVER	1155	1207	1155

YELLOWSTONE	20	21	0	20	18	15	14	11	13	12	13	12	13	12	13	14	15	16	17	15	15	14	14	14	14	14	14	14	14	14	14	13	446
MARYSVILLE	237	237	240	231	231	229	202	212	222	210	197	193	191	190	186	174	168	168	156	155	157	155	149	149	149	149	149	149	149	149	149	147	5650
TOTAL ABOVE SQUIRREL	257	258	240	251	249	244	216	233	235	210	205	205	205	204	204	200	189	182	185	172	171	172	170	164	163	161	150	152	148	144	140	6096	
FARMERS OWN	90	88	90	90	90	90	86	85	85	85	87	78	76	69	63	61	61	51	44	42	38	42	46	42	42	39	39	46	46	46	46	2032	
ALMY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ENTERPRISE	165	166	166	144	143	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	4405	
BELL	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	414	
FALL RIVER	198	179	188	179	179	184	188	182	182	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	5754
MC BEE	37	10	8	8	16	16	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	306	
CHESTER	11	12	10	10	10	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	296	
SILKEY	40	46	51	51	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	1160	
CURR	40	46	51	51	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	14442	
TOTAL SQUIRREL TO CHESTER	557	518	530	499	499	510	509	504	504	501	508	486	480	467	462	475	460	451	450	436	434	425	428	421	422	424	422	424	422	424	403	407	14442

DEWEY	28	28	13	12	12	13	13	13	13	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	495	
LAST CHANCE	64	64	63	64	61	61	63	60	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	1888	
CROSS CUT	315	314	332	324	320	341	339	341	290	290	332	299	302	293	294	237	236	237	234	232	224	229	234	230	226	222	222	222	222	222	222	8428	
ST. ANTHONY UNION	412	413	476	476	467	480	493	488	474	478	486	486	440	449	448	406	411	406	381	365	381	402	428	428	419	419	419	419	419	419	419	13659	
FARMERS FRIEND	85	86	62	59	57	80	67	49	43	32	55	66	44	43	29	47	46	45	34	27	61	59	21	8	8	8	8	8	8	8	8	3072	
TWIN GROVES	133	128	124	124	124	130	123	116	98	82	104	94	93	83	83	85	89	89	89	121	123	116	96	72	72	72	72	72	72	72	72	4550	
SALEM UNION	159	157	158	158	159	165	165	165	160	160	159	162	188	188	158	140	136	137	135	125	110	101	109	145	168	165	160	119	121	110	108	33358	
TOTAL ASHTON TO ST. ANTHONY	1254	1240	1228	1217	1200	1270	1263	1252	1137	1125	1219	1191	1150	1138	1095	1035	987	1003	1058	968	964	961	937	954	972	965	950	919	921	914	908	33358	
EGIN	301	265	288	290	290	286	294	303	281	265	272	270	274	276	258	257	246	260	267	281	264	257	253	240	233	216	210	223	223	223	223	8286	
ST. ANTHONY UNION FEEDER	69	70	70	73	73	82	86	84	82	83	85	88	86	84	88	86	90	84	88	87	70	74	78	80	85	84	86	84	80	81	82	79	2515
INDEPENDENT	174	204	204	206	194	172	198	194	187	176	169	169	155	159	158	155	155	153	153	157	150	150	152	169	169	165	165	165	167	167	167	5250	
CONSOLIDATED FARMERS	203	207	203	209	209	209	209	181	178	180	184	184	182	182	182	182	147	142	145	142	133	140	136	138	138	133	166	166	164	164	164	5188	
TOTAL ST. ANTHONY TO REXBURG	147	146	165	174	174	176	1725	143	157	139	137	145	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	21239	

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
SIDOWAY	14	14	14	14	14	14	13	8	7	6	14	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	328
WILFORD	82	81	82	78	76	74	65	62	62	56	57	51	60	58	58	58	58	64	58	63	60	58	55	51	51	50	47	46	44	44	46	1865
WILFORD	102	104	106	96	80	88	95	99	97	94	94	92	101	100	96	89	83	83	83	79	80	94	96	76	80	80	59	78	76	78	90	2743
GOOD LUCK	17	18	19	15	16	14	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	357
PIONEER	12	13	13	12	12	11	10	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	316
STEWART	9	10	12	11	12	11	12	11	10	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	274
PINCOCK-BYINGTON	8	8	8	8	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	140
PINCOCK-GARNER	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	412
GARDNER	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	45
TETON ISLAND FEEDER	363	385	401	391	376	372	374	363	354	339	348	337	335	324	289	289	284	280	282	264	271	273	262	277	275	253	257	262	259	259	253	9651
NORTH SALEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROXANA	23	27	27	24	23	21	19	18	17	16	15	12	11	12	15	16	15	16	15	12	10	0	0	0	0	0	0	0	0	0	0	371
ISLAND WARD	20	12	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	163
WOODMANSEE-JOHNSON	21	23	26	14	7	7	6	8	11	13	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	292
EAMES-THOMPSON	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
MC CORMICK-ROWE	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	93
CITY OF REXBURG	30	26	33	34	34	30	25	22	25	25	21	24	23	32	34	26	23	25	20	19	21	22	23	23	23	23	23	23	23	23	23	784
REXBURG IRRIGATION	150	164	167	176	174	172	161	172	170	144	128	126	123	134	136	136	144	144	142	130	117	111	112	122	120	126	132	141	135	120	120	4346
SAURY-SOMMERS	19	13	13	13	14	12	11	11	11	12	12	12	12	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	359
TOTAL TETON RIVER	892	920	953	907	866	853	837	828	822	777	763	739	737	743	705	692	676	643	688	672	655	658	602	616	637	614	586	620	622	613	602	22568

SEPTEMBER 1953

FALL RIVER CANALS

INVEST[illegible][illegible]

SIDOWAY	WILFORD	TETON IRRIGATION	GOOD LUCK	PIONEER	STEWART	PINCOCK-BYINGTON	PINCOCK-GARNER	GARDNER	TETON ISLAND FEEDER	NORTH SALEM	ROXANA	ISLAND WARD	WOODMANSEE-JOHNSON	EAMES-THOMPSON	MC CORMICK-ROWE	CITY OF REXBURG	REXBURG IRRIGATION	SAURY-SOMMERS	TOTAL TETON RIVER
5	51	75	9	0	6	3	12	0	253	0	0	3	7	0	3	20	124	12	583
6	52	77	11	12	6	3	16	0	257	0	0	3	1	0	3	21	123	12	600
8	54	82	10	10	7	3	16	0	241	0	0	3	1	0	3	18	123	13	586
7	51	75	9	10	7	3	16	0	237	0	0	3	1	0	3	17	123	13	584
6	51	82	9	10	8	3	16	0	237	0	0	3	3	0	3	20	122	14	572
4	51	64	9	10	8	3	16	0	237	0	0	3	1	0	3	20	119	14	585
5	51	64	9	10	8	3	16	0	237	0	0	3	2	0	3	20	130	12	571
10	48	70	9	10	8	3	10	2	255	0	0	2	2	0	3	18	126	12	588
10	46	86	9	10	8	3	10	3	237	0	0	2	2	0	3	19	131	11	605
9	39	74	6	0	7	3	9	2	233	0	0	2	2	0	3	17	109	10	538
11	51	84	8	0	6	3	9	1	230	0	0	2	2	0	3	18	109	9	524
11	50	55	7	0	8	2	9	2	241	0	0	0	0	0	3	21	113	6	592
11	51	60	7	0	8	2	9	1	248	0	0	0	0	0	3	20	123	4	534
0	47	61	8	0	8	2	8	2	248	0	0	6	0	0	3	21	134	3	555
0	51	51	7	10	9	2	9	1	241	0	0	6	0	0	3	20	134	3	560
5	51	47	7	12	9	2	9	2	233	0	0	0	0	0	2	19	138	8	551
6	52	45	7	11	10	2	9	0	237	0	0	0	0	0	2	16	126	8	530
14	56	55	8	11	9	2	9	0	241	0	0	0	0	0	2	17	128	7	554
3	58	67	8	0	2	9	2	0	244	0	0	0	0	0	2	16	128	6	554
3	66	8	0	0	2	7	2	220	241	0	0	0	0	0	2	16	128	6	541
3	60	7	0	0	2	7	1	220	241	0	0	0	0	0	2	16	128	6	496
3	60	7	0	0	2	7	0	220	241	0	0	0	0	0	2	16	128	6	496
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60	3	0	2	7	0	220	241	0	0	0	0	0	2	16	128	5	485
5	50	60</																	

YS FORK — DAILY SEGREGATION OF FLOW

1953

24 HOUR SECOND-FOET EXCEPT AS NOTED

STANTHONY	STORAGE DIVERSIONS STANTHONY TO REXBURG		DATE	HENRYS FORK NEAR REXBURG		
	HENRYS FORK	TETON RIVER		STORED	NORMAL	TOTAL
		12	JULY 8	-12	1202	1190
		3	9	-3	1053	1050
952		206	10	-194	1138	944
910		187	11	-175	1167	992
910		161	12	-149	1169	1020
776		149	13	-138	1052	914
732		124	14	-112	972	860
700		91	15	-79	893	814
708		75	16	-236	1011	775
684		62	17	-145	920	775
1090		47	18	128	714	842
1040		39	19	181	583	764
996		246	20	-325	1117	792
1150	362	273	21	-605	1549	944
1550	339	267	22	-332	1642	1310
1650	328	211	23	98	1162	1260
1570	320	196	24	140	1120	1260
1540	304	321	25	127	1153	1280
1470	306	254	26	73	1247	1320
1470	261	274	27	90	1190	1280
1350	254	263	28	-103	1263	1160
1250	268	233	29	-82	1232	1150
1250	233	193	30	-49	1249	1200
1150	190	199	31	-53	1153	1100
1120	182	193	AUG. 1	-78	1168	1090
1100	177	184	2	-176	1216	1040
1060	211	203	3	-238	1328	1090
1160	207	189	4	-199	1389	1190
1170	215	164	5	-148	1308	1160
1140	203	139	6	-110	1230	1120
1260	172	137	7	-32	1322	1290
1350	198	138	8	163	1137	1300
1350	194	137	9	171	1139	1310
1150	187	114	10	21	1099	1120
1170	280	234	11	-571	1821	1250
1240	277	126	12	-424	1684	1260
1240	271	94	13	-375	1635	1260
1260	257	101	14	-330	1630	1300
1280	226	101	15	-278	1558	1280
1300	225	104	16	-206	1596	1390
1350	222	72	17	-119	1429	1310
1210	155	75	18	4	1256	1260
1280	153	84	19	-3	1283	1280
1120	153	79	20	-112	1212	1100
910	153	70	21	-268	1230	962
910	153	66	22	-292	1236	944
963	157	58	23	-285	1284	998
1170	150	62	24	-106	1296	1190
1280	208	61	25	-80	1280	1200
1210	225	72	26	-112	1282	1170

DATE	HENRYS LAKE CONTENTS ACRE-FOET	HENRYS FORK NEAR LAKE			STORED LOSS LAKE TO ISLAND PARK	STORAGE DIVERSIONS ABOVE ISLAND PARK	F.M.DIST. SHERIDAN CREEK RIGHT	STORAGE INFLOW TO ISLAND PARK RESERVOIR	DATE	ISLAND PARK RESERVOIR CONTENTS ACRE-FOET	HENRYS NEAR ISLAND PARK	
		STORED	NORMAL	TOTAL							STORED	NORMAL
AUG. 24		71	15	86	2	7	12	74	AUG. 25	70,585	685	5
25		71	14	85	3	7	12	73	26	69,335	615	5
26		71	14	85	3	7	12	73	27	68,310	545	5
27	68,200	70	14	84	3	7	12	72	28	67,340	545	5
28		70	14	84	3	7	12	72	29	66,440	545	5
29		70	14	84	3	7	12	72	30	65,550	545	5
30		70	14	84	2	7	12	73	31	64,675	545	5
31		70	14	84	3	7	12	72	SEPT. 1	63,710	549	5
SEPT. 1		70	14	84	3	7	12	72	2	62,900	549	5
2		70	14	84	3	7	12	72	3	61,965	554	4
3		70	14	84	3	7	12	72	4	60,980	554	4
4		70	14	84	3	7	12	72	5	60,125	554	4
5		70	14	84	2	7	12	73	6	59,185	554	4
6		70	14	84	3	7	12	72	7	58,300	554	4
7		70	14	84	3	7	12	72	8	57,380	554	4
8		70	14	84	3	7	12	72	9	56,395	554	4
9		70	13	83	3	7	12	72	10	55,465	624	4
10	66,300	70	13	83	3	7	12	72	11	54,180	764	4
11		70	13	83	2	7	12	73	12	52,805	714	4
12		70	13	83	3	7	12	72	13	51,465	734	4
13		70	13	83	3	6	12	73	14	50,155	734	4
14		70	13	83	3		12	79	15	48,915	724	4
15		70	13	83	3		12	79	16	47,705	754	4
16		70	13	83	3		12	79	17	46,320	774	4
17		70	13	83	2		12	80	18	44,870	784	4
18		70	13	83	2		12	80	19	43,535	724	4
19		30	13	43	1		12	41	20	42,140	654	4
20		0	14	14	0		12	12	21	41,050	654	4
21							12	12	22	39,765	654	4
22							12	12	23	38,530	584	4
23							12	12	24	37,560	485	4
24							12	12	25	36,670	439	4
25	65,000						12	12	26	35,040	389	4
26							12	12	27	35,345	384	4
27							12	12	28	34,735	384	4
28							0	0	29	34,070	252	4
									30	33,940	0	4
TOTAL		5,899			238	412	996	6,245			56,891	

HENRYS FORK LAND PARK		STORED LOSS ISLAND PARK TO ASHTON	DATE	HENRYS FORK NEAR ASHTON			GRASSY LAKE STORAGE RELEASE ①	STORAGE DIVERSIONS ASHTON TO ST. ANTHONY	HENRYS FORK AT ST. ANTHONY			STORAGE DIVERSIONS ST. ANTHONY TO REXBURG		DATE	HENRYS FORK NEAR REXBURG		
NORMAL	TOTAL			STORED	NORMAL	TOTAL			STORED	NORMAL	TOTAL	HENRYS FORK	TETON RIVER		STORED	NORMAL	TOTAL
505	1190	17	AUG. 26	668	1372	2040											
505	1120	15	27	600	1320	1920	56	554	170	1050	1220	255	70	AUG. 27	-155	1345	1190
505	1050	14	28	531	1299	1830	56	670	-14	1174	1160	255	54	28	-323	1473	1150
505	1050	13	29	532	1298	1830	56	625	-38	1148	1110	251	48	29	-337	1497	1160
505	1050	14	30	531	1279	1810	57	628	-39	1179	1140	249	51	30	-339	1499	1160
505	1050	13	31	532	1308	1840	57	605	-17	1167	1150	249	49	31	-315	1465	1150
505	1050	14	SEPT. 1	531	1299	1830	57	603	-14	1174	1160	251	45	SEPT. 1	-310	1470	1160
501	1050	14	2	535	1275	1810	57	613	-25	1195	1170	243	47	2	-315	1475	1160
501	1050	14	3	535	1275	1810	57	639	-47	1217	1170	243	47	3	-337	1597	1260
496	1050	14	4	540	1230	1770	57	588	4	1236	1240	241	50	4	-287	1547	1260
496	1050	14	5	540	1230	1770		557	-17	1207	1190	237	50	5	-304	1524	1220
496	1050	14	6	540	1210	1750		556	-16	1186	1170	210	50	6	-276	1496	1220
496	1050	13	7	541	1179	1720		559	-19	1189	1170	220	46	7	-285	1515	1230
496	1050	14	8	540	1110	1650		574	-33	1183	1150	216	46	8	-295	1445	1150
496	1050	14	9	540	1180	1720		576	-36	1126	1090	209	69	9	-314	1404	1090
496	1050	13	10	541	1139	1680		630	-90	1180	1090	209	59	10	-358	1398	1040
496	1120	15	11	609	1331	1940		625	-84	1164	1080	223	64	11	-371	1421	1050
496	1260	19	12	745	1255	2000		659	-50	1270	1220	272	11	12	-333	1593	1260
496	1210	18	13	696	1284	1980		643	102	1238	1340	292	11	13	-201	1451	1250
496	1230	18	14	716	1304	2020		637	59	1261	1320	292	9	14	-242	1482	1240
496	1230	18	15	716	1284	2000		633	83	1207	1290	288	64	15	-269	1469	1200
496	1220	18	16	706	1294	2000		633	83	1137	1220	248	87	16	-252	1492	1240
496	1250	19	17	735	1365	2100		630	76	1164	1240	243	57	17	-224	1504	1280
496	1270	19	18	755	1305	2060		558	177	1173	1350	226	59	18	-108	1528	1420
496	1280	19	19	765	1295	2060		556	199	1161	1360	210	57	19	-68	1538	1470
496	1220	18	20	706	1274	1980		543	222	1128	1350	192	58	20	-28	1508	1480
496	1150	16	21	638	1282	1920		547	159	1121	1280	169	55	21	-65	1495	1430
496	1150	16	22	638	1242	1880		556	82	1208	1290	162	54	22	-134	1624	1490
496	1150	16	23	638	1262	1900		461	177	1203	1380	153	54	23	-30	1550	1520
496	1080	14	24	570	1150	1720		411	227	1153	1380	138	55	24	34	1466	1520
496	981	12	25	473	1137	1610		408	162	1148	1300	135	55	25	-28	1448	1420
496	935	11	26	428	1132	1560		374	99	1161	1260	132	52	26	-85	1485	1400
496	885	10	27	379	1121	1500		382	46	1244	1290	130	52	27	-136	1606	1470
496	880	10	28	374	1156	1530		380	-1	1341	1340	130		28	-131	1631	1500
496	880	10	29	374	1146	1520		380	-6	1426	1420	130		29	-136	1696	1560
496	748	6	30	246	844	1190		380	-6	1446	1440	130		30	-136	1706	1570
									-134	1274	1140	130		OCT. 1	-264		
1,410				55,481			1,966	46,626	10,821			15,939	8,778		-13,896		

① LISTED HERE ONE DAY LATER THAN ACTUAL DRAFT AT GRASSY LAKE.

STORAGE DIVER

NAME OF CANAL	NO.	J U L Y																																							
		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	1	2	3	4	5	6	7	8	9	10					
USERS ABOVE ISLAND PARK	1											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					
NYSBORG & STEWART	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					
SQUIRREL CREEK	3											9	9	9	9	9	9	9	9	9	9	7	7	6	6	6	6	6	6	6	6	6	6	6	6	6					
CONANT CREEK	4											25	27	27	26	26	24	21	21	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20					
YELLOWSTONE	5													12	12	12	12	18	18	17	17	17	17	17	17	17	17	20	21	0	20	18	15	14	11	13					
MARYSVILLE	6													235	236	223	223	223	0	0	0	227	231	233	233	233	237	237	240	231	231	229	202	222	222	211					
FARMERS OWN	7													67	61	70	70	69	78	80	82	82	81	81	82	81	80	78	80	80	80	80	80	78	78	75					
ALMY	8													3	3	2	2	2	2	4	3	5	2	1	0																
ENTERPRISE	9									172	175	171	167	172	172	169	167	164	170	167	170	161	161	164	161	157	165	166	166	164	163	149	146	144	144	144	144				
BELL	10										4	3	2	2	1	1	1	1	6	6	6	0	6	6	7	6	7	8	8	8	8	8	8	8	8	8					
FALL RIVER	11										13	14	11	0	1	3	0	0	14	18	20	20	0	15	9	9	20	0	23	3	0	1	5	1	0						
MC BEE	12													51	18	18	14	14	15	26	21	21	14	10	14	25	23	36	9	7	7	17	15	15	21						
CHESTER	13																																								
SILKEY	14																			8	8	8	0																		
CUR	15																																								
DEWEY	16													17	17	15	17	17	18	18	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17						
LAST CHANCE	17													75	72	73	75	73	73	71	71	70	68	68	68	68	64	64	64	63	64	61	61	63	60						
ST. ANTHONY UNION	18																																								
FARMERS FRIEND	19											79	68	89	93	127	124	100	110	87	71	90	92	103	102	84	85	86	82	89	87	80	67	49	43						
TWIN GROVES	20																																								
SALEM UNION	21																																								
TOTAL ASHTON TO ST. ANTHONY	22										172	192	303	432	713	721	750	738	709	555	527	516	727	712	744	747	715	759	714	693	659	658	681	635	632	626					
EGIN	23															300	277	240	234	218	218	206	206	206	228	181	181	174	204	204	206	194	172	198	194						
INDEPENDENT	24															62	62	88	86	86	88	55	48	62	5	9	1	3	7	3	9	9	0	0	0						
CONSOLIDATED FARMERS	25																																								
TOTAL ST. ANTHONY TO REXBURG	26															362	339	328	320	304	306	261	254	268	233	190	182	177	211	207	215	203	172	198	194						

DIVERSIONS ON HENRYS FORK AND FALL RIVER

1953

24 HOUR SECOND-FEET EXCEPT AS NOTED

AUGUST

SEPTEMBER

AUGUST																															SEPTEMBER																					
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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20							
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
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	2	2	2	2			
6	6	6	6	5	5	5	5	5	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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
20	20	20	20	20	20	20	20	20	0	0	0	0	21	20	21	20	20	20	19	18	18	17	17	17	16	20	20	19	18	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
15	14	11	13	12	13	12	12	13	14	14	15	14	17	16	16	15	15	15	14	14	13	15	18	14	13	15	17	16	11	6	9	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
229	202	222	222	210	197	193	193	191	190	186	174	168	168	156	155	157	155	149	149	147	143	137	130	130	127	127	120	121	127	120	129	121	109	109	109	108	96	96	93	93	93	93	93	93	93	93	93	93	93	93	93	
80	76	75	75	81	83	74	72	65	59	58	52	51	53	51	41	38	36	32	36	40	38	38	35	35	42	46	46	51	42	44	37	24	22	20	18	19	20	20	20	20	20	20	20	20	20	20	20	20	20	20		
149	144	144	144	144	144	146	146	144	146	152	138	138	138	136	136	138	138	132	132	131	131	131	135	133	131	131	135	120	115	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	
8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
1	5	1	0	0	14	9	12	0	5	0	0	0	0	0	0	2	3	0	1	7	7	2	8	3	2	3	7	4	1	0																						
15	15	21	21	19	15	8	8	8	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
				0	7	0																																														
15	13	13	13	13	13	24	24	23	24	22	12	20	21	17	18	13	14	13	9	9	9	8	7	7	8	7	7	7	7	8	7	6	5	4	2	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18		
61	63	60	59	59	59	60	59	59	54	54	62	64	65	65	63	62	61	63	61	61	60	60	59	59	60	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
			0	61	71	74	24	37	34	38	0					0	13	12	14	3	0	0	0	5	11	0																										
80	67	49	43	32	55	66	44	43	29	47	46	45	54	27	61	59	21	8	8	8	5	5	5	5	5	5	5	11	5	5	5	4	4	4	23	22	26	23	23	23	23	23	23	23	23	23	23	23	23	23		
			0	82	104	94	93	83	83	85	0					0	72	72	72	75	75	75	75	75	75	75	75	85	85	75	75	75	75	73	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85		
			0	160	159	162	188	188	158	0							0	18	15	160	119	121	110	108	108	108	125	94	94	94	94	129	150	176	176	186	186	183	181	181	181	181	181	181	181	181	181	181	181	181		
681	635	632	626	908	969	958	911	890	816	676	519	519	555	506	529	522	481	535	549	554	670	625	628	605	603	613	639	588	557	556	559	574	576	630	625	659	643	637	633	633	630	556	556	556	556	556	556	556	556			
172	198	194	187	176	169	169	155	159	158	155	155	153	153	153	153	157	150	150	152	169	169	165	165	165	167	167	167	157	153	130	136	136	133	133	147	196	208	208	204	200	204	187	171	151	151	151	151	151	151	151		
0	0	0	0	104	108	102	102	67	67	67	0						0	58	73	86	86	86	84	84	84	76	76	84	84	80	84	80	76	76	76	76	84	84	84	48	39	39	39	39	39	39	39	39	39	39	39	39
172	198	194	187	280	277	271	257	226	225	222	155	153	153	153	153	157	150	208	225	255	255	251	249	249	251	243	243	241	237	210	220	216	209	209	223	272	292	292	288	248	243	226	210	191	191	191	191	191	191	191	191	

① FROM FREMONT MAIL
② TRANSFER FROM MAIL

- ① FROM FREMONT MADE
- ② TRANSFER FROM MA
- ③ TRANSFER FROM FA
- ④ TRANSFER TO FARM
- ⑤ 59A.F. TO ALNY; 60 TO

FALL RIVER 1953

PLATE NO. 22

SEPTEMBER																														NO.	TOTAL		RESERVOIR RIGHTS IN ACRE-FEET																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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		SECOND- FEET	ACRE- FEET	FREMONT MADISON	HENRY'S LAKE	AMERICAN FALLS	JACKSON LAKE	RENTALS & EXCHANGE	TOTAL RIGHT	HEADGATE EQUIVALENT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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		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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
7	7	7	7	7	7	7	7	7	7	7	6																			1	412	817	410																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

- ① FROM FREMONT MADISON IRR. DIST.
- ② TRANSFER FROM MARYSVILLE TO FARMERS OWN
- ③ TRANSFER FROM FALL RIVER CANAL
- ④ TRANSFER TO FARMERS FRIEND
- ⑤ 59 A.F. TO ALMY; 60 TO FARMERS FRIEND; 200 TO DEWEY; 74 TO CHESTER

- ⑥ RENTED 380 A.F. FROM F.M. DIST.; TRANSFER 200 FROM FALL RIVER CANAL; 137 FROM TETON IRRIG.
- ⑦ RENTED 737 A.F. FROM F.M. DIST.; TRANSFER 43 FROM ENTERPRISE; 100 FROM SALEM IRRIG.; 60 FROM FALL RIVER CANAL; 200 FROM TWIN GROVES.
- ⑧ TRANSFER TO FARMERS FRIEND
- ⑨ NYBORG 100 A.F.; RAY STEWART 153
- ⑩ 400 A.F. FROM TWIN FALLS CANAL; 40 FROM U.S.

LARGE DIVERSIONS FROM TETON RIVER 1953
 24 HOUR SECOND-FOOT EXCEPT AS NOTED
 AUGUST

24 HOUR SECOND-FOOT EXCEPT AS NOTED
AUGUST

AUGUST

SEPTEMBER

- ① FROM TWIN FALLS CANAL CO.
② 1 DAY LATER THAN LINE 8 DIVIDED BY 1.625
③ FROM U.S.

1953

PLATE NO. 23

SEPTEMBER

SEPTEMBER																														NO.	TOTAL		RESERVOIR RIGHTS IN ACRE-FEET			
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	SECOND- FEET	ACRE- FEET	FREMONT MADISON		RENTALS & EXCHANGES	TOTAL RIGHT	HEADGATE EQUIVALENT			
21																											1	2,798	5,550	3,615	① 295	3,910	5,550			
																											2	1,236	2,450	1,494	① 230	1,724	2,450			
																											3	128	255		① 179	179	255			
																											4	63	125		① 88	88	125			
																											5	993	1,970	1,012	① 365	1,377	1,970			
																											6	535	1,061	1,158	① 247	1,405	2,002			
																											7	283	561	428	① 72	500	713			
21	0																										8	6,036	11,972	7,707	1,476	9,183	13,065			
25	13	0																									9	3,724	7,386							
6	6	5	5	5	2	0																					10	701	1,391		③ 1,500	1,500	1,391			
31	19	5	5	5	2	0																					11	4,425	8,777	7,707	2,976	10,683	14,456			
50	50	46	46	64	59	64	11	11	9	64	87	57	59	57	58	55	54	54	55	55	52	52				12	5,134	10,183								
																											13	9	18	488		488	428			
																											14	395	783	2,117		2,117	1,853			
																											15	43	85	1,462	④ - 259	1,203	1,055			
																											16	118	234	334		334	283			
																											17	43	85	151		151	133			
																											18	159	315	412	⑤ 49	461	405			
				0	2	2	3	2	2	1	2	1	2	1	2	1	0										19	81	161	175		175	153			
																											20	50	99	120		120	105			
																											21	69	137	270		270	237			
7	7	7	7	7	0																						22	312	619	497	⑤ 73	570	500			
21	31	32	55	53	60	6	7	5	61	83	56	57	41	41	45	46	54	55	55	52	52					23	1,344	2,665	9,050		9,050	7,950				
																											24	250	496	699		699	614			
																											25	103	204	1,415	⑥ - 163	1,252	1,100			
																											26	397	787	3,690		3,690	3,240			
3	3	2	2	2	2	2	2	2	2	2	0	0	6	6	0												27	72	143		⑥ 163	163	143			
												0	9	9	9	8	0										28	908	1,801	2,631		2,631	2,310			
																											29	0	0	103		103	90			
31	41	41	64	57	64	11	11	9	64	87	57	59	57	58	55	54	54	55	55	52	52						30	4,353	8,632	23,614	- 137	23,477	20,599			
50	46	46	69	59	64	11	11	9	64	87	57	59	57	58	55	54	54	55	55	52	52						31	8,778	17,409	31,321	2,839	34,160	35,055			

FROM TWIN FALLS CANAL CO.

DAY LATER THAN LINE 8 DIVIDED BY 1.625

④

TRANSFER TO DEWEY 137 A.F.; TO STEWART 49; TO PINCOCK-GARNER 73

⑤

FROM TETON IRRIG. CO.

⑥

TRANSFER 163 A.F. FROM WOODMANSEE-JOHNSON TO CITY OF REYBURG

MISCELLAN

① INCLUDES DIVERSION FROM WARM CREEK. ② SUPPLIED AT TIMES THRU DITCHES OTHER THAN TONKS

CELLANEOS

STREAMFLOW RECORDS

1953

24 HOUR SECOND-FOOT

JULY

AUGUST

23	24	25	26	27	28	29	30	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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17						
54	256				215			211						192	180	172	172	153	153	153	144	144			133			126			103	99	99	96		95			92	85	85			84	84			82				82			74			74			
	123				123			83	71					96	96	96	83	83	71	67	67	67			60			49			48	48	43	43		43			29	25	25			29	25			22			21			19			19				
	102				120	120		94	94	94				94	94	94	90	87	83	83	83	79			73			63			48	46	43	43		43			38	38	38			35	34			31			31			29			29				
	54				54			38	38	38				32	30	30	30	30	28	26	26	25			26			18			18	16	16	16		16			15	15	15			15	12			12			11			11			11				
	45				24			24	24	24				18	16	16	15	15	13	13	13	13			16			18			10	10	10	10		17	17			17	17			17	15			13			12			12			12				
	52				52			52	45	45				42	40	38	33	33	30	30	30	30			24			16			20	20	20	20		17	17			17	17			15	15			13			12			10			10				
	45				30			30	30	30				24	22	22	22	22	22	22	22	22			16			10			5	5	5	5		16	16			16	14			11	12			13			10			4			4				
	23				13			13	13	13				13	12	9	9	9	7	7	7	7			10			7			5	5	5	5		16	16			16	14			13			13			11			11			11					
	42				38			38	38	38				38	38	30	30	30	30	20	20	20			22			10			5	5	5	5		16	16			16	14			13			13			11			11			11					
	15				15			15	15	15				15	15	15	15	12	12	12	12	12			10			10			20	20	20	20		16	16			16	14			13			13			11			11			11					
73	82	75	58	58	65	70	78	73	70	62	65	67	62	62	53	53	53	36	36	36	36	64			59			55			39	36	34	32		32	32			27	27			24			22			18			15			9			9		
27	27	24	20	18	19	22	24	24	20	34	19	21	19	15	15	14	13	23	23	23	23	28			28			30			22	18	18	18		20	20			17	16			16	15			12			10			10			9			9	
22	23	25	15	13	15	18	15	15	15	14	15	15	15	15	14	13	13	13	6	6	6	6	59			28			30			12	14	13	10		8	8			17	17			15	15			12			10			9			9			
38	52	52			266			230	214	42				214	178	149	152	139	130	115	100	100			88			82			52	49	49	43		39	39			36	34			33			28			27			27			27					
57	43	50			53			53	53	53				51	44	46	43	37	25	20	20	20			20			18			16	15	15	15		15	15			15	15			14			14			13			12			12					
88	69	60			66			72	66	66				66	44	36	29	27	27	27	27	27			12			26			22	16	16	16		15	15			15	15			14			14			13			12			12					
59	55	44			55			55	50	50				40	40	33	26	24	24	20	20	20			18			18			10	9	7	7		0	0			0	0			0	0			0	0			0	0			0	0				
703					549			624	624	624				549			477											5			5	4	4	4		2	2			3	3			2	2			1	1			1	1			1	1				
2					24			24	24	24				20			24											4			32	32	32	32		32	32			27	27			24			22			22			22			22					
43					53			53	53	53				53	48	48	48	48	48	48	48	48			37			37			32	32	32	32		32	32			32	32			32			32			32			32			32					
14					21			21	21	21				24	24	24	24	24	24	24	24	24			29			29			27	27	27	27		27	27			27	27			27			27			27			27			27					
28					32			40	40	40				40	40	40	40	40	40	40	40	40			21			21			10	7	7	7		5	5			5	5			5	5			5	5			5	5			5	5				
87					105			130	138	141				137	137	136	136	138	161	161	130	130			94			94			76	76	76	76		71	71			66	66			63	63			63	63			63	63			63	63				
360	305	294	282	294	322	395	329	300	273	273	289	305	319	298	298	278	255	233	212	190	174	140			108			81			57	57	52	46		57	52			48	45			40	38			38	28			34	32			32	30			28	28
23	23	23	35	28	19	19	23	23	23	35				24	40	23	23	28	28	28	28	28			0			81			57	57	52	46		57	52			48	45			40	38			38	28			34	32			32	30			28	28
55	50				37	35	32	37	37	37				37	44	35	0	0	0	0	0	0			0			81			57	57	52	46		57	52			48	45			40	38			38	28			34	32			32	30			28	28
10	9				0	0	7	7	7	7				0	0	0	0	0	0	0	0	0			0			81			57	57	52	46		57	52			48	45			40	38			38	28			34	32			32	30			28	28
216					141			119						101			86											81			57	57	52	46		57	52			48	45			40	38			38	28			34	32			32	30			28	28
113					85			120						105			80											81			57	57	52	46		57	52			48	45			40	38			38	28			34	32			32	30			28	28
75					75			110						90			58											81			57	57	52	46		57	52			48	45			40	38			38	28			34	32			32	30			28	28
17					17			19						9			8											81			57	57	52	46		57	52			48	45			40	38			38	28			34	32			32	30			28	28
11					4			5						10			8											81			57	57	52	46		57	52			48	45			40	38			38	28			34	32			32	30			28	28
3					3			2						4			4											81			57	57	52	46		57	52			48	45			40	38			38	28			34	32			32	30			28	28
4					4			2						7			11											81			57	57	52	46		57	52			48	45			40	38			38	28			34	32			32	30			28	28
20					20			29						12			12											81			57	57	52	46		57	52			48	45			40	38			38	28			34	32			32	30			28	28
311					267			246						203																																															

1953

AUGUST

SEPTEMBER

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	282360	302050	318110	348600	389800	419540	443730	490390	608830	850820	665840	421790
2	283190	302480	318540	349920	390910	420900	444110	492240	620530	849790	657120	411460
3	284030	302900	303540	319180	350570	421800	445090	494550	629650	849790	648400	404530
4	284450	303960	319610	351450	393570	422480	445770	497320	638780	849790	638300	397150
5	285300	303960	320250	352110	395140	423150	446910	501240	649620	849790	634460	390240
6	285720	304600	321750	353420	396700	423830	448050	506550	658090	849790	636380	382270
7	286150	305240	323900	354740	397820	424280	450320	511660	666810	849020	628920	376950
8	286780	306300	324970	356280	398710	424960	451000	516540	675790	847740	617670	369870
9	287420	306300	324970	356280	399830	425410	451460	520730	686280	846210	606200	362850
10	288060	306730	326260	358250	399830	425410	451460	520730	686280	846210	606200	362850
11	288900	307160	327990	359570	400730	426090	451910	523520	699460	844930	595730	355400
12	289540	307810	329290	360660	401170	426540	452600	526300	711190	843920	585290	346650
13	290180	308450	330160	362200	401620	427210	453960	527700	733920	840350	575570	336450
14	290810	309090	331030	363950	402290	427660	455320	527930	751760	837300	565440	327550
15	291240	309950	331680	365270	404080	428340	455780	527230	768200	833740	556020	318750
16	291870	311240	332330	366140	404970	429020	456230	522580	782720	829920	546870	310600
17	292300	311670	332980	367460	406990	429700	456920	514220	796260	824830	539150	302690
18	292930	312100	333850	369870	408550	430150	457370	514220	810920	818490	531190	295050
19	293570	312530	335370	373630	409450	431720	458050	516540	825090	808900	524210	287840
20	294420	313170	336880	376070	410120	433300	459190	522580	835260	799800	517470	279630
21	295050	313810	338400	376950	410560	434660	460550	527000	842640	789490	510500	273140
22	295690	314240	339270	377620	411240	435330	461700	533070	849020	770440	494550	261440
23	296330	314670	340140	378500	411910	436010	464600	542190	851070	760230	486470	256480
24	296960	315320	340790	381160	413690	437810	467660	546400	850300	749770	477970	251100
25	297810	315750	341440	382190	414590	438720	470180	550150	849530	738120	470640	246340
26	298450	316180	342090	383380	415490	439410	473390	554370	849530	728480	462850	241200
27	299080	316390	342960	384260	416610	440090	477050	559790	849790	718370	455100	236300
28	299720	316820	343830	385370	416610	440770	481860	569450	850050	708540	447360	232840
29	300360	317030	344700	386480	---	441230	485080	580310	851070	698720	439860	232430
30	301210	317250	345780	388030		441910		589800		687250	431950	
31	301630											

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	38	5	5	6	6	7	7	23	38	1,610	7,000	1,520
2	38	5	5	6	6	7	7	23	38	1,550	6,720	1,430
3	34	5	5	6	6	7	7	24	38	3,720	5,990	1,160
4	34	5	5	6	6	7	7	26	38	3,300	5,980	1,130
5	34	5	5	6	6	7	7	27	39	3,300	4,120	1,220
6	33	5	5	6	6	7	7	27	40	3,300	3,060	1,190
7	33	5	5	6	6	7	7	26	40	3,300	3,060	1,190
8	33	5	5	6	6	7	7	26	40	3,300	6,710	4,060
9	32	5	5	6	6	7	7	23	40	3,290	6,880	4,240
10	30	5	5	6	6	7	7	22	40	3,280	6,620	4,560
11	30	5	5	6	6	7	7	22	41	3,380	6,250	4,800
12	26	5	5	6	6	7	7	163	41	3,790	6,270	5,650
13	14	5	5	6	6	7	7	887	644	3,780	6,100	5,600
14	5	5	5	6	6	7	7	1660	1040	3,840	5,990	5,330
15	5	5	5	6	6	7	7	3680	1050	4,010	5,700	4,930
16	5	5	5	6	6	7	7	5030	1060	4,240	5,280	4,780
17	5	5	5	6	6	7	7	5010	1060	4,800	4,840	4,730
18	5	5	5	6	6	7	7	3410	1380	5,960	4,430	4,600
19	5	5	5	6	6	7	7	1590	2320	6,950	4,440	4,360
20	5	5	5	6	6	7	7	1100	2330	6,640	4,300	4,060
21	5	5	5	6	6	7	7	618	2340	6,180	4,640	3,740
22	5	5	5	6	6	7	7	48	4410	6,400	4,920	3,390
23	5	5	5	6	6	7	7	47	5980	6,690	4,930	3,100
24	5	5	5	6	6	7	7	44	6120	6,860	4,920	2,880
25	5	5	5	6	6	7	7	40	5080	6,900	4,800	2,930
26	5	5	5	6	6	7	7	41	4070	6,910	4,680	2,760
27	5	5	5	6	6	7	7	41	3770	6,760	4,740	2,980
28	5	5	5	6	6	7	7	39	3740	6,540	4,740	2,340
29	5	5	5	6	6	7	7	39	3580	6,620	4,730	1,290
30	5	5	5	6	6	7	7	38	3700	6,900	4,720	25
31	5	5	5	6	6	7	7	38		7000	4,670	

Mean	16.1	5.0	5.0	6.0	6.0	7.0	9.1	769	1,805	5,068	5,138	3,921
Acres	990	298	307	369	333	430	543	47,270	107,400	911,600	315,900	233,300
Foot												

Y EAR 1,407
ON 1,018,740
ACRES 1,018,740

Snake River above Reservoir near Alpine, Wyoming

for the year ending August 31, 1927

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1											9920	6110
2											10100	6110
3											9860	6160
4											8810	6110
5											9050	5970
6											5890	5770
7											3560	5730
8											6210	5650
9											9050	5520
10											9110	5730
11											8600	5920
12											8450	6310
13											8250	6920
14											8100	6770
15											8050	6510
16											7820	6180
17											7320	6110
18											6790	6060
19											6560	5850
20											6410	5630
21											6280	5310
22											6610	5030
23											6690	4770
24											6660	4460
25											6560	4310
26											6310	4250
27											6310	4320
28											6310	3830
29											6260	3120
30											9890	
31											9920	

Mean												5,498
Acme												327,200
Rect												

MEAN 1,081,500
PERIOD
ACME-RECT

U. S. GOVERNMENT PRINTING OFFICE 16-50555-1

Daily discharge, in second-feet, of

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3310	2570	2100	2170	2080	1980	2770	5510	10200	16000	11100	7630
2	2980	2540	2100	2140	2100	1920	2610	4990	13500	16800	11600	7660
3	2920	2490	2050	2140	2230	1920	2680	4660	12300	15200	10700	7550
4	2860	2450	2050	2120	2220	1920	2850	5070	12200	14700	10500	7460
5	2830	2490	2000	2140	2170	1890	2850	5920	12600	14400	8740	7200
6	2810	2490	2050	2170	2120	1890	2750	6970	11900	14000	5480	7140
7	2790	2500	2240	2160	2110	1900	2630	7110	12900	13600	7230	7090
8	2790	2490	2240	2120	2070	1920	2500	6810	12500	13300	10400	6950
9	2750	2400	2170	2280	1930	1960	2420	6110	13400	13000	10600	6970
10	2750	2360	2160	2280	1890	1970	2400	5460	15900	12900	10300	7200
11	2750	2340	2220	2290	1890	1970	2400	5040	18700	12400	9950	7430
12	2730	2390	2220	2260	1980	1970	2390	4760	20800	12400	9860	8050
13	2720	2440	2230	2320	2000	1970	2360	5300	23900	12000	9660	7990
14	2700	2450	2230	2220	2030	1900	2290	6260	25500	11900	9630	7720
15	2660	2490	2200	2120	1970	1900	2320	8380	24500	11800	9540	7400
16	2680	2450	2120	2180	1970	1930	2560	10400	23200	11600	9060	7320
17	2680	2390	2160	2180	1970	1900	2770	11800	23700	11700	8620	7260
18	2680	2400	2100	2190	1920	1900	2880	11100	25100	12300	8290	7060
19	2680	2390	2230	2320	1820	1970	3160	11000	25200	12900	8140	6830
20	2700	2370	2240	2240	1850	1970	3870	9790	22300	12300	7900	6560
21	2700	2390	2240	2240	1850	1970	3870	8840	20000	11700	8170	6240
22	2660	2320	2240	2160	1960	1940	4960	7460	21600	11600	8320	5870
23	2640	2160	2070	2160	1900	1930	5900	7520	22700	11800	8320	5640
24	2630	2080	2050	2140	1880	1900	6000	7030	22700	11700	8170	5430
25	2610	2050	2080	2080	1880	1960	6130	6610	21900	11700	7990	5400
26	2590	2040	1780	2080	1920	2050	6530	7090	19000	11600	7870	5300
27	2590	2030	1940	2070	1940	2120	7290	7090	16600	11400	7870	5430
28	2570	2040	2140	2010	1970	2280	7320	8500	15600	11400	7840	4940
29	2570	2010	2160	2100	2100	2420	6920	11100	15300	11400	7780	4290
30	2570	1960	2160	2120	2100	2590	6130	10900	15300	11400	7720	
31	2570		2180	2100	2100	2680	9660		15300	11400		

MEAN	2.725	2.332	2.133	2.181	2.001	2.018	3.776	7.477	17.990	12.810	9.008	6.756
AGRE-	167,500	138,800	131,100	134,100	111,100	124,100	224,700	459,700	1,070,000	787,800	553,900	402,000
PERCENT												

MEAN 5,947
AGRE- 4,304,800

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4130	3050	2400	2520	2400	2300	3130	6360	11000	16000	11700	7980
2	3570	3050	2450	2460	2400	2310	3110	5780	12400	17100	11800	7980
3	3420	3010	2450	2440	2510	2280	3010	5320	14800	16900	12200	8040
4	3360	2950	2400	2480	2510	2230	2990	5240	14000	15900	11300	7950
5	3310	2930	2400	2440	2550	2210	3170	5590	13300	15200	10600	7860
6	3290	2950	2400	2460	2510	2200	3340	6440	14200	14900	10200	7630
7	3270	2970	2450	2480	2480	2190	3190	7720	13100	14500	6470	7540
8	3270	2990	2600	2490	2440	2200	3090	8010	14200	14100	6080	7480
9	3250	2890	2570	2480	2440	2200	2910	7660	13900	13700	10400	7400
10	3230	2830	2550	2510	2330	2230	2810	6990	14100	13300	10700	7310
11	3210	2790	2630	2620	2210	2270	2740	6300	16300	13400	10700	7570
12	3210	2830	2630	2590	2310	2300	2700	5800	19000	12900	10100	7630
13	3210	2890	2620	2590	2310	2330	2690	5500	21000	12800	10200	8240
14	3190	2950	2620	2630	2330	2310	2650	5690	23400	12500	9920	8470
15	3170	2990	2600	2620	2340	2270	2620	6640	25500	12300	9920	8180
16	3130	3010	2540	2490	2340	2240	2600	8330	25200	12200	9860	7920
17	3130	2930	2520	2480	2330	2240	2720	10700	24100	12000	9550	7750
18	3110	2930	2570	2570	2340	2260	2990	12100	24200	11900	9200	7720
19	3130	2930	2590	2740	2330	2260	3110	12200	24900	12300	8760	7600
20	3130	2930	2600	2760	2230	2310	3420	12400	25700	13100	8700	7370
21	3150	2910	2600	2630	2470	2310	4090	11000	23300	12800	8410	7110
22	3150	2910	2590	2550	2260	2270	5240	10300	20700	12000	8440	6880
23	3110	2740	2540	2490	2270	2230	6470	8760	21000	11800	8640	6470
24	3090	2630	2430	2480	2240	2230	6730	8530	22700	11900	8620	6250
25	3090	2550	2340	2430	2210	2240	6820	8330	22400	11900	8560	5910
26	3070	2500	2230	2400	2230	2310	7170	7800	19800	11900	8380	5940
27	3070	2460	2270	2400	2260	2420	8010	8120	17400	11800	8210	5780
28	3050	2430	2500	2360	2300	2520	8090	9050	16200	11700	8240	5880
29	3050	2400	2550	2380	--	2700	7860	11600	15800	11600	8150	5670
30	3050	2350	2550	2430	--	2870	7020	12300	15700	11600	8120	5110
31	3050	2350	2570	2420	--	3050	10900	10900	15700	11700	8060	

Year	197,700	168,000	154,200	154,400	130,000	143,400	250,900	510,700	1,109,000	808,900	576,400	429,700
Mean	3,215	2,823	2,508	2,510	2,341	2,332	4,216	8,305	18,640	13,150	9,361	7,221
Acres	197,700	168,000	154,200	154,400	130,000	143,400	250,900	510,700	1,109,000	808,900	576,400	429,700

Year
Mean
Acres
4,633,300

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3440	2920	2700	4080	3970	3750	4460	7060	12300	9040	4580	2960
2	3070	2940	2900	4100	3920	3700	4440	6150	12200	9290	4900	2960
3	2230	3010	2950	4100	3870	3600	4270	5380	14100	10100	5280	3050
4	2490	3090	3100	4050	3970	3600	3970	4780	16800	9970	5110	3000
5	2440	3170	3500	4000	4040	3550	3850	4270	16800	9400	4610	3000
6	2370	3270	3700	4000	4140	3500	4100	4360	17000	8700	4070	3070
7	2350	3270	3520	4000	4000	3460	4220	4940	17500	8040	3710	3010
8	2340	3370	3450	4150	3900	3480	4120	6180	17300	7670	2460	2920
9	2350	3310	3600	4300	3700	3480	3870	6770	18100	7000	2460	2700
10	2340	3290	3700	4580	3730	3550	3640	6500	17800	6440	4780	2510
11	2270	3310	3590	4690	3680	3520	3460	5510	17700	6080	4640	2120
12	2290	3460	3660	4810	3500	3620	3310	4250	18700	6110	4640	2160
13	2340	3640	3750	4720	3660	3710	3230	3480	19900	5790	4250	2650
14	2270	3870	3880	4690	3750	3640	3350	2680	20900	5440	4250	3170
15	2300	3920	4000	4520	3830	3590	3150	2010	21900	4970	4360	3330
16	2300	4040	4100	4360	3830	3440	3030	2650	21900	4640	4750	3290
17	2320	3870	4020	4170	3830	3400	2940	4040	20500	4270	4870	3270
18	2340	3590	4000	4250	3850	3420	2830	6470	18200	3950	4550	3460
19	2490	3440	4000	4440	3750	3460	3010	7670	17800	3950	4120	3750
20	2630	3440	4380	4610	3400	3460	3150	8070	18600	4300	3800	3970
21	2580	3500	4360	4640	3300	3550	3250	9360	19900	5060	3620	3780
22	2630	3420	4120	4440	3250	3550	3750	9080	17900	4750	3330	3460
23	2630	3400	4050	4330	3350	3480	4750	8350	14900	4460	3330	3310
24	2520	3250	3800	4200	3500	3420	6180	8350	15400	4300	3640	3110
25	2390	3000	3100	4120	3900	3290	6500	8840	16800	4520	3780	3110
26	2420	2750	2200	4020	3870	3310	6600	8760	16600	4610	3780	2720
27	2630	2500	1760	4000	3800	3420	8140	8140	13700	4720	3520	2650
28	2720	2250	2240	3800	3800	3570	8140	8210	11700	4440	3310	2650
29	2790	2200	3030	4050	3800	3730	8450	9290	10500	4300	3190	2810
30	2790	2300	3800	3950	3950	3970	8070	12500	9540	4170	3190	2880
31	2850	4100	4100	4020	4020	4220	13600	13600	9540	4410	3190	2880

Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
2,514	3,226	3,517	4,264	3,753	3,565	4,511	6,739	16,760	5,964	4,012	3,028	3,028
154,600	192,000	216,300	262,200	208,400	219,200	268,400	414,400	997,600	366,700	246,700	180,200	180,200

YEAR
1933
MAN
5,147
ACRES-PLANT
3,726,700

BLACKFOOT RIVER near BLACKFOOT, IDAHO

for the year ending September 30, 1923
Plate No. 31

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	80	79	185	159	224	230	141	454	373	89	20	12
2	75	111	190	164	226	192	151	436	383	62	28	10
3	78	137	194	147	231	179	168	366	338	59	27	13
4	62	191	198	143	231	193	146	231	601	66	19	13
5	59	267	200	143	231	196	160	317	714	62	15	12
6	75	316	200	143	238	200	192	416	717	41	25	20
7	80	395	195	143	237	175	199	360	686	41	29	19
8	90	450	180	150	198	125	170	365	676	28	41	10
9	78	444	180	191	172	112	150	436	670	21	29	6
10	78	440	180	210	196	102	137	443	606	29	56	6
11	75	427	180	210	224	104	122	373	390	39	52	5
12	75	335	180	207	189	100	122	184	217	48	43	8
13	75	434	180	216	210	109	117	63	168	36	35	16
14	79	436	177	199	210	98	111	18	192	37	28	11
15	78	437	178	192	175	95	102	13	141	32	84	7
16	78	397	175	184	189	87	78	15	59	18	103	8
17	91	436	175	182	216	89	66	26	29	14	195	17
18	177	362	170	200	156	86	82	78	15	16	170	29
19	392	325	168	217	158	98	95	122	18	24	89	33
20	318	304	166	219	154	100	100	245	20	27	51	30
21	306	289	165	219	154	99	111	223	29	21	48	41
22	275	261	160	252	160	106	122	230	16	18	32	41
23	268	228	150	242	167	100	168	226	14	16	39	29
24	346	210	140	234	167	90	306	270	37	29	25	41
25	228	190	140	240	186	98	486	295	70	49	25	37
26	195	145	145	203	203	100	365	293	156	82	18	22
27	179	185	145	188	188	112	409	297	362	62	16	20
28	172	180	155	175	175	138	386	286	109	48	11	18
29	179	180	164	220	227	137	401	299	94	42	10	39
30	155	185	163	220	—	135	—	—	—	28	12	—
31	117	185	160	231	—	135	—	—	—	28	12	—

MEAN	AGRE-FAST	MEAN	AGRE-FAST	MEAN	AGRE-FAST	MEAN	AGRE-FAST	MEAN	AGRE-FAST	MEAN	AGRE-FAST	MEAN	AGRE-FAST
149	9,150	296	17,620	173	10,610	193	11,870	199	11,080	128	7,870	184	10,940
281	16,740	39.3	2,420	45.3	2,780	19.5	1,160	—	—	—	—	—	—

YEAR
ON
THOUSANDS
MEAN
AGRE-FAST
118,390
164

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1980	2410	2760	4060	4040	3690	4000	6190	11700	6120	770	719
2	2030	2560	2990	4090	3930	3600	4090	5340	11200	5760	1060	609
3	1540	2680	2990	4150	3900	3490	3810	3710	14500	6830	1880	805
4	1250	2860	3160	4060	3930	3450	3590	2840	15700	6390	1540	840
5	1200	3070	3500	4040	4110	3470	3740	2830	15500	5800	880	896
6	1100	3210	3720	4040	4040	3420	3950	2330	16300	5040	735	992
7	1060	3370	3660	4060	4060	3400	3900	3000	16000	4360	488	896
8	1090	3440	3500	4060	3950	3370	3740	3910	16600	3840	452	665
9	1090	3450	3670	4310	3810	3370	3490	4310	16700	3210	665	434
10	1100	3450	3780	4530	3670	3370	3050	3860	16100	2620	1540	365
11	1050	3500	3720	4650	3710	3370	3160	2520	16200	2480	1830	275
12	1040	3540	3720	4760	3600	3450	3050	1460	17000	2420	1460	270
13	1100	3740	3830	4810	3570	3490	3040	728	17800	1960	1240	616
14	1100	3990	3910	4760	3720	3490	3040	3040	17800	1960	1240	616
15	1040	4170	3950	4670	3740	3450	3040	280	18500	1630	1340	1100
16	1160	4170	3990	4560	3740	3370	2800	398	18200	1410	1860	1280
17	1420	4220	4040	4380	3780	3250	2640	707	17000	1120	2200	1320
18	1580	3950	3990	4380	3760	3280	2530	1790	14700	864	2280	1480
19	1740	3670	4020	4560	3660	3300	2660	3330	13200	658	2030	2090
20	1920	3620	4240	4650	3230	3320	2600	4470	13400	644	1430	2460
21	1940	3600	4400	4720	3180	3330	2420	5860	14800	1030	1070	2370
22	1880	3570	4150	4530	3130	3400	2640	7190	14300	1260	812	2030
23	1890	3500	4080	4420	3210	3380	3230	7350	11500	928	616	1740
24	1920	3500	3840	4270	3380	3250	4290	6700	10800	721	651	1450
25	1710	3180	3150	4240	3670	3160	5050	7190	12200	700	812	1220
26	1630	2860	2170	4170	3620	2970	5420	7560	12800	944	872	1030
27	1660	2620	1750	4020	3720	3080	5700	6960	11400	1120	840	880
28	1800	2280	2240	3830	3740	3250	6360	6700	9880	992	658	976
29	1860	2200	3050	4110	3970	3380	6960	7350	8260	805	630	1000
30	1950	2400	3790	3970	3830	3600	9900	9900	6910	672	644	1200
31	2330	2400	4130	4060	3830	3830	7110	12000	6910	630	770	1200

Mean	Agm.	Mean	Agm.	Mean	Agm.	Mean	Agm.	Mean	Agm.	Mean	Agm.	Mean	Agm.
1.521	93,540	3.293	195,900	3.545	218,000	4.320	265,600	3.698	205,300	3.392	208,600	3.881	230,900
4.622	284,200	835,500	157,500	2,562	70,840	1,152	64,880	1,090					

YEAR
MEAN
2,830,760
3,910

ACHIEVEMENT

Plate No. 33

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Oct.	580	579	577	577	577	576	576	577	578	580	581	583	586	591	593	596	599	602	607	616	626	636	645	654	664	673	682	688	693	695	700
Nov.	705	710	716	721	727	735	745	758	767	778	784	794	800	811	822	836	849	862	874	884	894	903	911	924	934	942	952	958	966	973	
Dec.	982	989	999	1011	1020	1028	1037	1049	1063	1073	1084	1094	1104	1116	1128	1138	1148	1158	1168	1179	1189	1202	1211	1226	1231	1235	1239	1247	1254	1260	
Jan.	1268	1277	1284	1294	1304	1312	1320	1329	1337	1345	1355	1368	1378	1387	1398	1407	1415	1426	1439	1451	1459	1471	1480	1490	1498	1508	1514	1525	1531	1538	1550
Feb.	1558	1570	1574	1575	1582	1584	1589	1598	1609	1602	1605	1606	1606	1609	1604	1615	1616	1618	1629	1626	1626	1627	1638	1634	1633	1637	1639	1644	----		
Mar.	1650	1660	1662	1659	1661	1661	1663	1664	1667	1666	1664	1665	1661	1664	1665	1668	1660	1666	1665	1659	1657	1658	1665	1667	1663	1665	1664	1663	1661	1665	1658
Apr.	1663	1670	1674	1677	1684	1692	1696	1708	1706	1706	1701	1697	1699	1696	1700	1702	1701	1703	1707	1711	1710	1706	1696	1696	1695	1696	1697	1692	1699	1701	
May	1706	1706	1703	1698	1692	1685	1674	1667	1660	1652	1646	1637	1622	1608	1595	1579	1565	1541	1531	1525	1525	1527	1524	1533	1533	1538	1543	1545	1551	1564	
June	1579	1588	1607	1627	1647	1674	1697	1717	1715	1712	1709	1704	1701	1706	1713	1711	1705	1698	1704	1713	1713	1715	1711	1709	1714	1716	1718	1714	1708	1705	
July	1701	1695	1686	1678	1670	1664	1655	1644	1632	1621	1606	1590	1574	1559	1538	1523	1507	1488	1469	1447	1432	1415	1396	1377	1358	1341	1323	1305	1288	1268	1250
Aug.	1232	1216	1199	1184	1172	1157	1140	1122	1105	1088	1073	1059	1044	1030	1017	1003	989	976	962	946	928	910	895	877	862	847	831	816	800	783	767
Sept.	750	734	721	706	692	679	666	654	642	629	618	605	592	580	569	558	546	536	527	522	520	517	513	510	506	502	498	492	488	488	488

MEAN	AGR-	MEAN	AGR-
2.696	165,800	1.613	95,970
1.710	105,200	2.597	159,700
4.690	260,500	5.733	352,500
5.758	342,600	9.493	583,700
14.230	846,900	12.550	771,400
11.830	727,100	8.531	507,600

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	92970	50630	75870	79030	79590	86680	94720	89600	96150	92860	95910	94600
2	93320	56440	76550	80040	75980	79930	95430	89830	94720	93320	95910	94250
3	93090	60740	77000	80610	77000	81060	94840	92270	95070	93550	95910	96630
4	93550	65670	77560	80830	79480	88660	94250	94140	94720	94020	94370	97230
5	94020	69190	77900	77680	79480	88660	95070	94490	94490	93550	94720	97350
6	94550	71390	78130	78800	79370	91460	94600	94600	94020	95180	95180	97590
7	93550	71390	78800	79480	82300	92620	86100	91690	94720	95430	95430	97590
8	92860	71170	76770	80610	82750	92160	86100	90990	94020	94490	94490	97470
9	91230	70290	77230	81510	81280	90290	87500	87500	94020	94840	94840	96390
10	89130	67430	77680	82300	82750	91810	88430	88430	95180	94490	94490	95180
11	86680	70730	78130	82190	83540	92740	93440	89130	97110	96390	95310	94950
12	84590	72490	78580	78920	83770	93790	92040	96870	96990	96990	95670	94250
13	81740	72260	79030	79480	84700	93320	91230	93550	95670	97590	95910	93550
14	80160	72940	78800	78800	85400	94600	89360	95790	94490	97470	95430	93550
15	77450	73170	76320	81060	82860	93550	90760	97230	95670	96750	95070	93200
16	74290	72940	76770	82190	81960	91570	90180	96630	95430	96870	94600	93320
17	72720	70730	77230	82410	82640	93090	88430	95670	95790	96630	94140	92740
18	71390	71280	77450	82300	83770	95550	89600	95550	95910	96630	93320	94840
19	68310	71720	77900	79590	86100	94250	87730	94600	94720	96270	94020	95910
20	62050	72380	78580	80160	86100	93790	82620	93090	93900	94720	94490	97840
21	57620	72050	78580	78920	86100	92160	82160	93320	93790	95180	95180	97590
22	53540	74970	76770	80610	85640	91690	86100	94840	94020	95180	95430	96390
23	49050	76320	77450	80610	84590	91690	88310	94720	94950	94950	96390	95430
24	44500	74520	78350	81170	85400	93440	91690	94250	96270	94600	95910	94840
25	41020	75420	79030	80610	86680	92620	94250	96990	96390	94490	96270	93900
26	36950	75870	79710	77000	86800	93900	93790	96030	94490	94950	95670	94020
27	33320	76320	80160	77680	87030	93900	94250	95430	94720	95310	94490	93320
28	32290	76550	79590	78350	88660	94840	90290	94250	93900	95670	93790	91920
29	36640	77110	76320	78350	94720	93320	92390	94140	95310	96150	92860	92390
30	40800	77230	77680	77900	93320	93790	88900	95670	95670	95180	93320	91230
31	45880		78350	79820	93790			96390	94250	95790	94020	

DAY
AGE

YEAR
OR
FALL
MEAN

U. S. GOVERNMENT PRINTING OFFICE 16-60866-1

NORTH SIDE MINIDOKA CANAL, near MINIDOKA, IDAHO

for the year ending December 31, 1953

Plate No. 36

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	946	22	22	22	22	0	0	1030	682	1640	1540	1440
2	946	22	22	22	22	0	0	1030	505	1690	1420	1290
3	946	22	22	22	22	0	0	1040	0	1700	1340	1220
4	946	22	22	22	22	0	0	1120	0	1700	1340	1130
5	946	22	22	22	22	0	0	1210	0	1710	1370	1090
6	946	22	22	22	22	87	1350	1350	0	1730	1380	1060
7	946	22	22	22	22	160	1420	1420	0	1730	1380	1000
8	855	22	22	22	22	160	1440	1440	0	1730	1380	1030
9	740	22	22	22	22	160	1450	1450	148	1740	1380	1040
10	702	22	22	22	22	161	1450	1450	461	1770	1380	1040
11	690	22	22	22	22	161	1450	1450	592	1780	1390	1040
12	682	22	22	22	22	161	1470	1470	764	1780	1420	1040
13	674	22	22	22	22	160	1450	1450	907	1790	1440	1030
14	668	22	22	22	22	164	1440	1440	1020	1780	1470	1030
15	658	22	22	22	22	166	1500	1500	1240	1780	1520	970
16	648	22	22	22	22	166	1530	1530	1560	1780	1540	903
17	644	22	22	22	22	196	1560	1560	1690	1780	1530	882
18	642	22	22	22	22	215	1570	1570	1700	1780	1530	837
19	642	22	22	22	22	214	1570	1570	1710	1780	1540	818
20	213	22	22	22	22	210	1530	1530	1700	1770	1570	822
21	0	22	22	22	22	302	1390	1390	1700	1770	1600	820
22	0	22	22	22	22	435	1190	1190	1630	1760	1570	816
23	0	22	22	22	22	513	1170	1170	1490	1760	1560	809
24	0	22	22	22	22	604	1040	1040	1360	1760	1560	809
25	0	22	22	22	22	644	903	903	1320	1760	1560	740
26	0	22	22	22	22	644	864	864	1310	1760	1580	702
27	0	22	22	22	22	826	859	859	1360	1710	1630	700
28	0	22	22	22	22	992	857	857	1390	1690	1600	696
29	0	22	22	22	22	1040	770	770	1450	1690	1560	728
30	0	22	22	22	22	1020	680	680	1540	1690	1500	748
31	22	22	22	22	22	0	682	682	1540	1650	1470	0

Mean	Acres-	Feet	0	0	0	0	18,960	75,400	57,970	107,000	91,340	56,090
943	487	22.0	12.8	0	0	0	319	1,226	974	1,710	1,485	943

YEAR
ON
FURNISH
MEAN
606
1,38,805

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	809						0	651	434	1280	1250	1160
2	826						0	651	268	1280	1210	1090
3	826						0	662	241	1290	1170	1020
4	760						0	687	239	1320	1170	898
5	662						134	806	239	1330	1190	874
6	616						270	929	239	1370	1300	832
7	610						290	998	234	1380	1300	932
8	582						292	1060	213	1380	1260	942
9	562						298	1100	193	1390	1220	929
10	549						302	1110	208	1390	1210	911
11	539						306	1100	401	1390	1230	923
12	532						302	1020	629	1390	1240	880
13	529						304	1010	865	1380	1270	847
14	524						298	1040	1130	1370	1290	817
15	516						298	1050	1320	1370	1290	774
16	519						298	1110	1340	1370	1290	749
17	552						294	1200	1320	1330	1280	760
18	595						290	1210	1340	1310	1290	673
19	608						282	1140	1360	1310	1290	584
20	600						282	1060	1360	1320	1300	549
21	613						288	923	1350	1330	1310	584
22	556						300	847	1350	1340	1290	587
23	478						294	729	1350	1330	1270	589
24	451						399	613	1290	1330	1250	574
25	415						552	569	1250	1330	1230	587
26	385						552	554	1190	1330	1230	613
27	243						667	552	1200	1320	1250	618
28	0						651	516	1240	1320	1230	648
29	0						442	425	1260	1310	1180	698
30	0									1300	1160	

Year	Mean	Year	Mean	Year	Mean	Year	Mean	Year	Mean	Year	Mean	Year	Mean
1922	499	1921	300	1920	852	1919	847	1918	1,337	1917	1,245	1916	785
1915	0	1914	0	1913	0	1912	0	1911	0	1910	0	1909	0
1908	0	1907	0	1906	0	1905	0	1904	0	1903	0	1902	0
1901	0	1900	0	1899	0	1898	0	1897	0	1896	0	1895	0
1894	0	1893	0	1892	0	1891	0	1890	0	1889	0	1888	0
1887	0	1886	0	1885	0	1884	0	1883	0	1882	0	1881	0
1880	0	1879	0	1878	0	1877	0	1876	0	1875	0	1874	0
1873	0	1872	0	1871	0	1870	0	1869	0	1868	0	1867	0
1866	0	1865	0	1864	0	1863	0	1862	0	1861	0	1860	0
1859	0	1858	0	1857	0	1856	0	1855	0	1854	0	1853	0
1852	0	1851	0	1850	0	1849	0	1848	0	1847	0	1846	0
1845	0	1844	0	1843	0	1842	0	1841	0	1840	0	1839	0
1838	0	1837	0	1836	0	1835	0	1834	0	1833	0	1832	0
1831	0	1830	0	1829	0	1828	0	1827	0	1826	0	1825	0
1824	0	1823	0	1822	0	1821	0	1820	0	1819	0	1818	0
1817	0	1816	0	1815	0	1814	0	1813	0	1812	0	1811	0
1810	0	1809	0	1808	0	1807	0	1806	0	1805	0	1804	0
1803	0	1802	0	1801	0	1800	0	1799	0	1798	0	1797	0
1796	0	1795	0	1794	0	1793	0	1792	0	1791	0	1790	0
1789	0	1788	0	1787	0	1786	0	1785	0	1784	0	1783	0
1782	0	1781	0	1780	0	1779	0	1778	0	1777	0	1776	0
1775	0	1774	0	1773	0	1772	0	1771	0	1770	0	1769	0
1768	0	1767	0	1766	0	1765	0	1764	0	1763	0	1762	0
1761	0	1760	0	1759	0	1758	0	1757	0	1756	0	1755	0
1754	0	1753	0	1752	0	1751	0	1750	0	1749	0	1748	0
1747	0	1746	0	1745	0	1744	0	1743	0	1742	0	1741	0
1740	0	1739	0	1738	0	1737	0	1736	0	1735	0	1734	0
1733	0	1732	0	1731	0	1730	0	1729	0	1728	0	1727	0
1726	0	1725	0	1724	0	1723	0	1722	0	1721	0	1720	0
1719	0	1718	0	1717	0	1716	0	1715	0	1714	0	1713	0
1712	0	1711	0	1710	0	1709	0	1708	0	1707	0	1706	0
1705	0	1704	0	1703	0	1702	0	1701	0	1700	0	1699	0
1698	0	1697	0	1696	0	1695	0	1694	0	1693	0	1692	0
1691	0	1690	0	1689	0	1688	0	1687	0	1686	0	1685	0
1684	0	1683	0	1682	0	1681	0	1680	0	1679	0	1678	0
1677	0	1676	0	1675	0	1674	0	1673	0	1672	0	1671	0
1670	0	1669	0	1668	0	1667	0	1666	0	1665	0	1664	0
1663	0	1662	0	1661	0	1660	0	1659	0	1658	0	1657	0
1656	0	1655	0	1654	0	1653	0	1652	0	1651	0	1650	0
1649	0	1648	0	1647	0	1646	0	1645	0	1644	0	1643	0
1642	0	1641	0	1640	0	1639	0	1638	0	1637	0	1636	0
1635	0	1634	0	1633	0	1632	0	1631	0	1630	0	1629	0
1628	0	1627	0	1626	0	1625	0	1624	0	1623	0	1622	0
1621	0	1620	0	1619	0	1618	0	1617	0	1616	0	1615	0
1614	0	1613	0	1612	0	1611	0	1610	0	1609	0	1608	0
1607	0	1606	0	1605	0	1604	0	1603	0	1602	0	1601	0
1600	0	1599	0	1598	0	1597	0	1596	0	1595	0	1594	0
1593	0	1592	0	1591	0	1590	0	1589	0	1588	0	1587	0
1586	0	1585	0	1584	0	1583	0	1582	0	1581	0	1580	0
1579	0	1578	0	1577	0	1576	0	1575	0	1574	0	1573	0
1572	0	1571	0	1570	0	1569	0	1568	0	1567	0	1566	0
1565	0	1564	0	1563	0	1562	0	1561	0	1560	0	1559	0
1558	0	1557	0	1556	0	1555	0	1554	0	1553	0	1552	0
1551	0	1550	0	1549	0	1548	0	1547	0	1546	0	1545	0
1544	0	1543	0	1542	0	1541	0	1540	0	1539	0	1538	0
1537	0	1536	0	1535	0	1534	0	1533	0	1532	0	1531	0
1530	0	1529	0	1528	0	1527	0	1526	0	1525	0	1524	0
1523	0	1522	0	1521	0	1520	0	1519	0	1518	0	1517	0
1516	0	1515	0	1514	0	1513	0	1512	0	1511	0	1510	0
1509	0	1508	0	1507	0	1506	0	1505	0	1504	0	1503	0
1502	0	1501	0	1500	0	1499	0	1498	0	1497	0	1496	0
1495	0	1494	0	1493	0	1492	0	1491	0	1490	0	1489	0
1488	0	1487	0	1486	0	1485	0	1484	0	1483	0	1482	0
1481	0	1480	0	1479	0	1478	0	1477	0	1476	0	1475	0
1474	0	1473	0	1472	0	1471	0	1470	0	1469	0	1468	0
1467	0	1466	0	1465	0	1464	0	1463	0	1462	0	1461	0
1460	0	1459	0	1458	0	1457	0	1456	0	1455	0	1454	0
1453	0	1452	0	1451	0	1450	0	1449	0	1448	0	1447	0
1446	0	1445	0	1444	0	1443	0	1442	0	1441	0	1440	0
1439	0	1438	0	1437	0	1436	0	1435	0	1434	0	1433	0
1432	0	1431	0	1430	0	1429	0	1428	0	1427	0	1426	0
1425	0	1424	0	1423	0	1422	0	1421	0	1420	0	1419	0
1418	0	1417	0	1416	0	1415	0	1414	0	1413	0	1412	0
1411	0	1410	0	1409	0	1408	0	1407	0	1406	0	1405	0
1404	0	1403	0	1402	0	1401	0	1400	0	1399	0	1398	0
1397	0	1396	0	1395	0	1394	0	1393	0	1392	0	1391	0
1390	0	1389	0	1388	0	1387	0	1386	0	1385	0	1384	0
1383	0	1382	0	1381	0	1380	0	1379	0	1378	0	1377	0
1376	0	1375	0	1374	0	1373	0	1372	0	1371	0	1370	0
1369	0	1368	0	1367	0	1366	0	1365	0	1364	0	1363	0
1362	0	1361	0	1360	0	1359	0	1358	0	1357	0	1356	0
1355	0	1354	0	1353	0	1352	0	1351	0	1350	0	1349	0
1348	0	1347	0	1346	0	1345	0	1344	0	1343	0	1342	0
1341	0	1340	0	1339	0	1338	0	1337	0	1336	0	1335	0
1334	0	1333	0	1332	0	1331	0	1330	0	1329	0	1328	0
1327	0	1326	0	1325	0	1324	0	1323	0	1322	0	1321	0
1320	0	1319	0	1318	0	1317	0	1316	0	1315	0	1314	0
1313	0	1312	0	1311	0	1310	0	1309	0	1308	0	1307	0
1306	0	1305	0	1304	0	1303	0	1302	0	1301	0	1300	0
1299	0	1298	0	1297	0	1296	0	1295	0	1294	0	1293	0
1292	0	1291	0	1290	0	1289	0	1288	0	1287	0	1286	0
1285	0	1284	0	1283	0	1282	0	1281	0	1280	0	1279	0
1278	0	1277	0	1276	0	1275	0	1274	0	1273	0	1272	0
1271	0	1270	0	1269	0	1268	0	1267	0	1266	0	1265	0
1264	0	1263	0	1262	0	1261	0	1260	0	1259	0	1258	0
1257	0	1256	0	1255	0	1254	0	1253	0	1252	0	1251	0
1250	0	1249	0	1248	0	1247	0	1246	0	1245	0	1244	0
1243	0	1242	0	1241	0	1240	0	1239	0	1238	0	1237	0
1236	0	1235	0	1234	0	1233	0	1232	0	1231	0	1230	0
1229	0	1228	0	1227	0	1226	0	1225	0	1224	0	1223	0
1222	0	1221	0	1220	0	1219	0	1218	0	1217	0	1216	0
1215	0	1214	0	1213	0	1212	0	1211	0	1210	0	1209	0
1208	0	1207	0	1206	0	1205	0	1204	0	1203	0	1202	0
1201	0	1200	0	1199	0	1198	0	1197	0	1196	0	1195	0
1194	0	1193	0	1192	0	1191	0	1190	0	1189	0	1188	0
1187	0	1186	0	1185	0	1184	0	1183	0	1182	0	1181	0
1180	0	1179	0	1178	0	1177	0	1176	0	1175	0	1174	0
1173	0	1172	0	1171	0	1170	0	1169	0	1168	0	1167	0
1166	0	1165	0	1164	0	1163	0	1162	0	1161	0	1160	0
1159	0	1158	0	1157	0	1156	0	1155	0	1154	0	1153	0
1152	0	1151	0	1150	0	1149	0	1148	0	1147	0	1146	0
1145	0	1144	0	1143	0	1142	0	1141	0	1140	0	1139	0
1138	0	1137	0	1136	0	1135	0	1134					

Snake River near Minidoka, Idaho

for the year ending September 30, 1933

Plate No. 38

Daily discharge, in second-feet, of

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4340	604	1240	2820	2460	5420	5520	7330	6740	8660	9550	9110
2	3600	366	1270	2790	3360	5010	4920	7210	7180	9110	9520	9270
3	3390	580	1250	2810	4450	5010	4670	6900	6760	9450	9390	8690
4	2970	606	1240	2770	4450	4740	4190	7380	5900	9300	8840	8390
5	2970	1290	1240	2850	4670	5520	4670	7680	5660	9390	8660	8360
6	2970	1200	1240	2850	4560	6330	4650	7760	6820	9480	8930	8360
7	2960	1360	1240	2870	4610	5850	4920	7910	13000	9550	9020	8300
8	2970	1460	1210	2870	4630	5490	4870	8540	20300	9800	9020	8270
9	2940	1760	1210	2920	4630	5920	4370	8150	20600	9520	9110	8120
10	2960	1730	1570	2940	5010	5920	4500	8180	20300	9360	9080	7910
11	2970	1430	1590	2930	5080	5980	4500	8210	20200	9520	8900	7700
12	3010	1380	1620	2850	5080	6180	5050	8210	20200	9520	8900	7700
13	3070	1460	1630	2820	5010	6310	6050	7940	17400	9760	8900	7730
14	2900	1560	1730	3000	5300	6740	6050	7850	14700	9860	8900	7680
15	2920	1620	1650	2840	5420	5830	5540	8090	16600	9890	8840	7560
16	2900	1670	1580	2890	5080	5210	5240	8060	20000	9730	8900	7300
17	2840	1550	1630	2870	5120	5440	5330	8240	19400	9700	8900	7210
18	2900	1360	1580	2900	4840	6650	5280	8390	16600	9640	8930	6710
19	2840	1230	1610	2860	4720	6900	5240	8510	12400	9670	8840	6490
20	2790	1190	1620	2760	5440	6630	5050	8720	9640	9950	9240	6100
21	2190	1150	1670	2850	5490	6570	5030	8570	11200	9670	9360	5490
22	1960	1150	2440	2800	5370	6180	5030	8180	14000	9300	9360	5240
23	2220	1150	2780	2760	4820	5710	6100	8180	11600	9450	9050	5240
24	2090	1160	2760	2810	4600	6250	6380	8270	9980	9480	9140	5190
25	1930	1190	2750	2660	5000	6080	6650	7620	10500	9480	8840	5170
26	1890	1170	2800	2850	5050	6540	6410	7330	11500	9300	8780	5100
27	1880	1170	2810	2780	4330	6100	6410	7410	12100	9300	9050	5120
28	1220	1320	2830	2830	4210	5710	7470	7440	12600	9330	9240	5210
29	763	1300	2850	2820	—	5470	7240	7180	10500	9330	9360	4100
30	612	1270	2780	2960	—	5610	7910	6230	8660	9390	9180	3580

Mean	2.535	1.248	1.877	2.840	4.737	5.858	5.509	7.770	12.640	9.506	9.071	6.906
Lower	155,900	74,230	115,400	174,600	263,100	360,200	327,800	477,800	752,300	584,500	557,800	410,800
Upper	2,535	1.248	1.877	2.840	4.737	5.858	5.509	7.770	12.640	9.506	9.071	6.906

MEAN 5.877
 Lower 4,254,430
 Upper 4,254,430

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10.88	7.44	8.16	8.46	7.68	7.68	9.62	10.81	10.80	10.78	11.03	11.01
2	10.24	7.48	8.14	8.48	7.46	7.90	10.18	10.93	10.82	10.60	11.10	10.95
3	9.38	7.32	8.18	8.46	7.74	8.20	10.08	10.93	11.06	10.77	11.10	11.08
4	8.54	7.32	8.18	8.50	8.26	7.94	9.62	10.83	11.06	11.00	11.10	11.06
5	8.00	7.28	8.20	8.48	8.24	7.82	9.40	10.85	10.90	10.98	11.05	10.99
6	7.94	7.34	8.18	8.50	7.84	8.00	9.06	10.90	10.65	10.98	11.00	10.88
7	7.92	6.88	8.22	8.36	8.10	8.46	9.48	10.74	10.46	10.99	11.00	10.88
8	7.90	6.70	8.16	8.18	7.97	8.64	10.62	10.78	10.97	10.94	10.84	10.85
9	7.96	6.80	8.14	8.00	8.02	8.52	10.40	10.37	10.89	11.02	10.90	10.84
10	8.00	6.22	8.12	7.98	8.12	8.24	9.89	10.98	10.88	11.06	10.87	10.88
11	8.10	6.50	8.38	7.88	8.16	8.26	9.54	11.02	10.77	11.00	11.00	10.90
12	8.14	6.66	8.34	7.74	8.14	8.36	9.58	11.08	10.89	10.96	11.03	10.86
13	8.18	6.54	8.36	7.60	8.16	8.16	9.85	11.03	10.74	10.94	11.02	10.74
14	8.38	6.88	8.42	7.14	8.28	8.68	10.31	10.96	10.92	10.98	10.98	10.68
15	8.40	7.00	8.44	7.74	7.90	9.00	10.47	11.00	10.99	10.92	10.90	10.75
16	8.32	7.48	8.38	7.78	8.40	8.70	10.06	10.86	10.95	11.03	10.91	10.80
17	8.38	7.66	8.34	7.74	8.30	7.92	9.49	10.62	10.94	11.03	10.99	10.69
18	8.40	8.00	8.26	7.80	8.00	8.12	10.05	10.63	10.86	10.95	10.97	10.91
19	8.40	8.14	8.28	7.82	8.18	8.94	10.36	10.67	10.86	10.96	10.99	10.89
20	8.42	8.20	8.24	7.88	8.10	9.02	10.27	10.70	10.95	11.02	10.88	10.92
21	8.62	8.02	7.94	7.68	8.38	8.94	10.28	10.77	10.94	11.02	10.99	10.83
22	8.50	8.14	8.24	7.96	8.58	8.82	10.31	11.03	10.96	11.08	11.05	10.57
23	8.14	8.10	8.28	7.92	8.60	8.50	9.89	11.01	10.83	10.85	11.07	10.44
24	8.18	8.08	8.40	7.90	8.34	8.40	10.37	10.96	10.91	10.89	11.03	10.42
25	8.34	8.08	8.28	7.88	8.10	8.36	10.83	11.07	10.94	10.94	11.02	10.45
26	8.60	8.08	8.30	7.76	8.24	8.60	10.95	10.93	10.95	10.96	10.96	10.52
27	8.70	8.06	8.14	7.70	8.26	9.10	10.85	10.80	11.01	10.90	10.90	10.51
28	8.70	8.04	8.40	7.70	8.10	8.94	10.15	10.66	10.96	10.91	10.95	10.47
29	8.70	8.10	8.44	7.66	8.98	8.98	10.93	10.76	10.94	10.93	11.00	10.56
30	8.12	8.04	8.48	7.48	9.28	9.28	10.70	10.99	10.92	10.96	11.06	10.56
31	7.82		8.16	7.68								

MEAN
AGE-

U. S. GOVERNMENT PRINTING OFFICE 16-50055-1

YEAR
OR
PERIODMEAN
AGE-1953

Daily discharge, in second-feet, of

P. A. LATERAL near MILLER, IDAHO

for the year ending September 30, 1933

Plate No. 40

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							0	30	61	73	61	73
2							0	47	58	65	73	60
3							0	47	58	65	73	60
4							0	61	58	72	74	60
5							0	61	58	72	74	60
6							0	61	58	72	74	60
7							0	61	32	74	74	60
8							0	64	47	74	74	60
9							0	63	60	74	74	60
10							0	63	59	74	74	60
11							0	63	59	74	74	60
12							0	63	59	74	74	60
13							0	63	59	72	74	59
14							0	63	59	72	74	59
15							0	63	60	71	74	59
16							0	63	60	71	74	59
17							0	63	60	74	74	59
18							0	62	71	74	74	59
19							0	62	60	73	74	59
20							0	62	61	73	74	51
21							0	62	61	73	74	51
22							0	62	61	73	74	48
23							0	62	61	73	74	48
24							0	62	61	73	75	48
25							0	63	61	73	75	48
26							17	63	61	73	75	0
27							17	62	61	73	75	0
28							17	62	61	73	75	0
29							17	62	61	73	75	0
30							17	62	61	73	75	0
31								61	61	73	75	0

49.2	74.1	71.8	58.6	59.9	2.27	135	3,680	3,490	4,420	4,560	2,930
0	0	0	0	0	0	0	0	0	0	0	0

YEAR
1925
MUSAN
ACRE-FOOT

Daily discharge, in second-feet, of MILNER LOW-LIFT CANAL near MILNER, IDAHO

for the year ending September 30, 1953

Plate No. 41

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							0	65	158	198	215	214
2							0	65	123	198	215	214
3							0	65	120	198	215	214
4							0	86	106	198	215	212
5							0	127	106	198	215	198
6							0	135	106	198	216	198
7							0	175	106	198	216	198
8							0	175	106	198	215	190
9							0	175	106	214	215	175
10							0	175	106	214	214	175
11							0	176	106	214	214	175
12							0	182	132	214	213	175
13							0	182	158	214	212	175
14							0	182	158	214	212	174
15							0	182	182	214	212	168
16							0	182	193	214	212	168
17							0	200	193	214	212	160
18							0	200	193	214	212	156
19							0	200	193	214	212	156
20							0	200	193	214	212	132
21							0	200	194	214	212	132
22							0	200	195	214	213	132
23							0	200	196	214	213	132
24							0	200	197	214	213	132
25							0	200	198	214	213	132
26							11	200	198	214	214	132
27							33	200	198	214	214	132
28							50	158	198	214	214	132
29							50	158	198	214	214	132
30							50	158	198	214	214	132
31										215	214	

Year	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576	1575	1574	1573	1572	1571	1570	1569	1568	1567	1566	1565	1564	1563	1562	1561	1560	1559	1558	1557	1556	1555	1554	1553	1552	1551	1550	1549	1548	1547	1546	1545	1544	1543	1542	1541	1540	1539	1538	1537	1536	1535	1534	1533	1532	1531	1530	1529	1528	1527	1526	1525	1524	1523	1522	1521	1520	1519	1518	1517	1516	1515	1514	1513	1512	1511	1510	1509	1508	1507	1506	1505	1504	1503	1502	1501	1500	1499	1498	1497	1496	1495	1494	1493	1492	1491	1490	1489	1488	1487	1486	1485	1484	1483	1482	1481	1480	1479	1478	1477	1476	1475	1474	1473	1472	1471	1470	1469	1468	1467	1466	1465	1464	1463	1462	1461	1460	1459	1458	1457	1456	1455	1454	1453	1452	1451	1450	1449	1448	1447	1446	1445	1444	1443	1442	1441	1440	1439	1438	1437	1436	1435	1434	1433	1432	1431	1430	1429	1428	1427	1426	1425	1424	1423	1422	1421	1420	1419	1418	1417	1416	1415	1414	1413	1412	1411	1410	1409	1408	1407	1406	1405	1404	1403	1402	1401	1400	1399	1398	1397	1396	1395	1394	1393	1392	1391	1390	1389	1388	1387	1386	1385	1384	1383	1382	1381	1380	1379	1378	1377	1376	1375	1374	1373	1372	1371	1370	1369	1368	1367	1366	1365	1364	1363	1362	1361	1360	1359	1358	1357	1356	1355	1354	1353	1352	1351	1350	1349	1348	1347	1346	1345	1344	1343	1342	1341	1340	1339	1338	1337	1336	1335	1334	1333	1332	1331	1330	1329	1328	1327	1326	1325	1324	1323	1322	1321	1320	1319	1318	1317	1316	1315	1314	1313	1312	1311	1310	1309	1308	1307	1306	1305	1304	1303	1302	1301	1300	1299	1298	1297	1296	1295	1294	1293	1292	1291	1290	1289	1288	1287	1286	1285	1284	1283	1282	1281	1280	1279	1278	1277	1276	1275	1274	1273	1272	1271	1270	1269	1268	1267	1266	1265	1264	1263	1262	1261	1260	1259	1258	1257	1256	1255	1254	1253	1252	1251	1250	1249	1248	1247	1246	1245	1244	1243	1242	1241	1240	1239	1238	1237	1236	1235	1234	1233	1232	1231	1230	1229	1228	1227	1226	1225	1224	1223	1222	1221	1220	1219	1218	1217	1216	1215	1214	1213	1212	1211	1210	1209	1208	1207	1206	1205	1204	1203	1202	1201	1200	1199	1198	1197	1196	1195	1194	1193	1192	1191	1190	1189	1188	1187	1186	1185	1184	1183	1182	1181	1180	1179	1178	1177	1176	1175	1174	1173	1172	1171	1170	1169	1168	1167	1166	1165	1164	1163	1162	1161	1160	1159	1158	1157	1156	1155	1154	1153	1152	1151	1150	1149	1148	1147	1146	1145	1144	1143	1142	1141	1140	1139	1138	1137	1136	1135	1134	1133	1132	1131	1130	1129	1128	1127	1126	1125	1124	1123	1122	1121	1120	1119	1118	1117	1116	1115	1114	1113	1112	1111	1110	1109	1108	1107	1106	1105	1104	1103	1102	1101	1100	1099	1098	1097	1096	1095	1094	1093	1092	1091	1090	1089	1088	1087	1086	1085	1084	1083	1082	1081	1080	1079	1078	1077	1076	1075	1074	1073	1072	1071	1070	1069	1068	1067	1066	1065	1064	1063	1062	1061	1060	1059	1058	1057	1056	1055	1054	1053	1052	1051	1050	1049	1048	1047	1046	1045	1044	1043	1042	1041	1040	1039	1038	1037	1036	1035	1034	1033	1032	1031	1030	1029	1028	1027	1026	1025	1024	1023	1022	1021	1020	1019	1018	1017	1016	1015	1014	1013	1012	1011	1010	1009	1008	1007	1006	1005	1004	1003	1002	1001	1000	999	998	997	996	995	994	993	992	991	990	989	988	987	986	985	984	983	982	981	980	979	978	977	976	975	974	973	972	971	970	969	968	967	966	965	964	963	962	961	960	959	958	957	956	955	954	953	952	951	950	949	948	947	946	945	944	943	942	941	940	939	938	937	936	935	934	933	932	931	930	929	928	927	926	925	924	923	922	921	920	919	918	917	916	915	914	913	912	911	910	909	908	907	906	905	904	903	902	901	900	899	898	897	896	895	894	893	892	891	890	889	888	887	886	885	884	883	882	881	880	879	878	877	876	875	874	873	872
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GOODING PROJECT IN GOODING CANAL near MILLER, IDAHO

For the year ending September 30, 19 53
Plate No. 47

Flow discharge, in second-feet, of

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1100	1230	1550	1640	1450	1460	0	1090	1230	1550	1630	1460
2	1100	1180	1550	1640	1450	1460	0	1090	1230	1550	1640	1460
3	1090	1130	1580	1610	1440	1470	0	1090	1130	1580	1610	1440
4	1090	1120	1580	1600	1430	1470	0	1090	1120	1580	1600	1430
5	1180	1120	1570	1580	1410	1410	0	1180	1120	1570	1580	1410
6	1250	1120	1580	1580	1400	1400	0	1250	1120	1580	1590	1350
7	1310	1130	1580	1590	1350	1350	0	1310	1130	1580	1590	1330
8	1360	1120	1580	1590	1300	1300	0	1360	1120	1580	1580	1330
9	1370	1120	1580	1580	1250	1250	370	1370	1120	1590	1580	1330
10	1380	1190	1580	1580	1240	1240	550	1380	1190	1580	1580	1270
11	1380	1240	1580	1540	1260	1260	560	1380	1240	1580	1540	1260
12	1370	1230	1580	1520	1290	1290	570	1370	1230	1580	1520	1290
13	1360	1250	1590	1530	1300	1300	580	1360	1250	1590	1530	1300
14	1350	1250	1580	1520	1300	1300	660	1350	1250	1580	1520	1300
15	1350	1360	1550	1520	1300	1300	710	1350	1360	1550	1520	1300
16	1340	1350	1520	1530	1300	1300	700	1340	1350	1520	1530	1300
17	1350	1430	1610	1520	1300	1300	710	1350	1430	1610	1520	1300
18	1350	1460	1610	1520	1270	1270	720	1350	1460	1610	1520	1270
19	1360	1470	1610	1470	1250	1250	720	1360	1470	1610	1470	1250
20	1350	1470	1630	1480	1240	1240	780	1350	1470	1630	1480	1240
21	1370	1470	1620	1480	1230	1230	860	1370	1470	1620	1480	1230
22	1360	1460	1600	1480	1230	1230	850	1360	1460	1600	1480	1230
23	1360	1520	1610	1460	1230	1230	950	1360	1520	1610	1460	1230
24	1370	1560	1620	1460	1200	1200	970	1370	1560	1620	1460	1200
25	1350	1560	1620	1450	1180	1180	1040	1350	1560	1620	1450	1180
26	1340	1560	1630	1450	1180	1180	1090	1340	1560	1630	1450	1180
27	1340	1560	1640	1460	1190	1190	1070	1340	1560	1640	1460	1190
28	1350	1550	1640	1460	1190	1190	1100	1350	1550	1640	1460	1190
29	1360	1550	1640	1460	1190	1190	1090	1360	1550	1640	1460	1190
30	1270	1550	1640	1460	1190	1190	1090	1270	1550	1640	1460	1190

MEAN
AGRE-

0

0

0

0

0

0

555

1.303

1.333

1.597

1.527

1.248

634
MEAN
1.58,830

Year
1953

Year
1953

U. S. GOVERNMENT PRINTING OFFICE 16-60000-5

Do not discuss in second half of

for the best ending September 20, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	1070	1210	1530	1610	1440
2	0	0	0	0	0	0	0	1080	1210	1530	1620	1430
3	0	0	0	0	0	0	0	1080	1160	1550	1610	1440
4	0	0	0	0	0	0	0	1070	1110	1560	1590	1420
5	0	0	0	0	0	0	0	1070	1100	1560	1580	1410
6	0	0	0	0	0	0	0	1160	1100	1550	1560	1390
7	0	0	0	0	0	0	0	1230	1100	1560	1560	1380
8	0	0	0	0	0	0	0	1290	1110	1560	1570	1330
9	0	0	0	0	0	0	0	1340	1100	1560	1570	1310
10	353	1370	1100	1570	1560	1570	1560	1370	1100	1570	1560	1310
11	530	1360	1170	1560	1560	1560	1560	1360	1170	1560	1560	1250
12	537	1360	1220	1520	1560	1520	1560	1360	1220	1560	1520	1240
13	551	1350	1210	1500	1560	1500	1560	1350	1210	1560	1500	1270
14	562	1350	1230	1510	1570	1510	1570	1340	1230	1560	1500	1280
15	637	1340	1230	1500	1570	1500	1570	1340	1230	1560	1500	1280
16	690	1330	1340	1500	1590	1500	1590	1330	1340	1590	1500	1280
17	675	1320	1330	1510	1590	1510	1590	1320	1330	1590	1510	1280
18	686	1330	1330	1500	1590	1500	1590	1330	1330	1590	1500	1280
19	695	1330	1340	1470	1590	1470	1590	1330	1340	1590	1470	1250
20	695	1340	1340	1450	1590	1450	1590	1340	1340	1590	1450	1230
21	760	1330	1450	1460	1600	1460	1600	1330	1450	1600	1460	1220
22	835	1350	1450	1460	1600	1460	1600	1350	1450	1600	1460	1210
23	828	1340	1440	1460	1580	1460	1580	1340	1440	1580	1460	1210
24	934	1340	1500	1440	1590	1440	1590	1340	1500	1590	1440	1210
25	946	1350	1540	1430	1600	1430	1600	1350	1540	1600	1430	1180
26	1020	1330	1540	1430	1600	1430	1600	1330	1540	1600	1430	1160
27	1070	1320	1540	1430	1610	1430	1610	1320	1540	1610	1430	1160
28	1050	1320	1540	1440	1620	1440	1620	1320	1540	1620	1440	1170
29	1080	1330	1540	1440	1620	1440	1620	1330	1530	1620	1440	830
30	1070	1340	1530	1440	1610	1440	1610	1340	1530	1610	1440	0
31	1250	1370	1530	1440	1610	1440	1610	1370	1530	1610	1440	0

[illegible]

NOTES

THEY ARE

151,920

AGS 10-1000

Guidance:

Daily discharge, in second-feet, of NORTH SIDE CANAL PROJECT IN GOODING CANAL near MILNER, IDAHO

for the year ending September 30, 1955

Plate No. 44

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	830	830	830	830	830	830	830	830	830	830	830	830
2	850	850	850	850	850	850	850	850	850	850	850	850
3	840	840	840	840	840	840	840	840	840	840	840	840
4	870	870	870	870	870	870	870	870	870	870	870	870
5	850	850	850	850	850	850	850	850	850	850	850	850
6	860	860	860	860	860	860	860	860	860	860	860	860
7	860	860	860	860	860	860	860	860	860	860	860	860
8	850	850	850	850	850	850	850	850	850	850	850	850
9	830	830	830	830	830	830	830	830	830	830	830	830
10	880	880	880	880	880	880	880	880	880	880	880	880
11	880	880	880	880	880	880	880	880	880	880	880	880
12	800	800	800	800	800	800	800	800	800	800	800	800
13	870	870	870	870	870	870	870	870	870	870	870	870
14	830	830	830	830	830	830	830	830	830	830	830	830
15	840	840	840	840	840	840	840	840	840	840	840	840
16	850	850	850	850	850	850	850	850	850	850	850	850
17	810	810	810	810	810	810	810	810	810	810	810	810
18	800	800	800	800	800	800	800	800	800	800	800	800
19	800	800	800	800	800	800	800	800	800	800	800	800
20	810	810	810	810	810	810	810	810	810	810	810	810
21	820	820	820	820	820	820	820	820	820	820	820	820
22	830	830	830	830	830	830	830	830	830	830	830	830
23	820	820	820	820	820	820	820	820	820	820	820	820
24	830	830	830	830	830	830	830	830	830	830	830	830
25	850	850	850	850	850	850	850	850	850	850	850	850
26	750	750	750	750	750	750	750	750	750	750	750	750
27	840	840	840	840	840	840	840	840	840	840	840	840
28	790	790	790	790	790	790	790	790	790	790	790	790
29	840	840	840	840	840	840	840	840	840	840	840	840
30	820	820	820	820	820	820	820	820	820	820	820	820
31	830	830	830	830	830	830	830	830	830	830	830	830

Mean	Aggr.	Mean	Aggr.	Mean	Aggr.	Mean	Aggr.	Mean	Aggr.	Mean	Aggr.	Mean	Aggr.
805	972	1000	61.510	59.780	17.920	831	49.430	840	51.670	1.7	8.730	0	0
805	972	1000	61.510	59.780	17.920	831	49.430	840	51.670	1.7	8.730	0	0

279,010

Mean

Y. 1955

U. S. GOVERNMENT PRINTING OFFICE: 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1550	689	539	434	425	392	0	2240	1790	2690	2860	2800
2	1470	700	526	437	422	401	119	2280	1890	2700	2910	2760
3	1450	685	514	434	413	407	326	2170	2010	2750	2920	2730
4	1330	678	510	437	416	395	531	2060	2000	2780	2820	2660
5	1350	685	489	437	437	390	574	2060	1860	2800	2720	2620
6	1350	674	486	437	419	398	561	2070	1780	2790	2660	2590
7	1340	642	492	431	431	416	744	2040	1710	2800	2660	2580
8	1340	598	492	425	428	404	837	2040	1600	2770	2620	2580
9	1360	574	492	422	431	390	840	2100	1590	2800	2630	2570
10	1120	625	492	431	434	398	807	2410	1620	2840	2620	2500
11	301	588	501	431	434	404	788	2390	1850	2780	2660	2420
12	0	568	501	434	434	407	788	2360	1960	2760	2670	2390
13	0	584	504	434	434	398	946	2340	2070	2780	2660	2390
14	0	584	504	413	434	413	1080	2310	2220	2840	2630	2400
15	0	588	504	437	428	416	1190	2300	2350	2800	2610	2390
16	0	588	507	437	434	401	1150	2380	2510	2870	2610	2310
17	0	584	504	434	425	384	1130	2400	2570	2880	2640	2130
18	0	588	489	434	404	401	1210	2410	2600	2850	2640	2020
19	0	552	486	437	413	416	1230	2520	2680	2850	2680	1980
20	726	548	473	440	413	410	1410	2580	2720	2820	2700	1970
21	1110	545	452	428	425	407	1540	2550	2720	2890	2780	1780
22	1080	548	458	440	425	404	1710	2640	2750	2880	2840	1510
23	1020	548	464	437	419	398	1730	2510	2750	2850	2860	1410
24	1020	545	470	443	410	395	1810	2440	2800	2870	2840	1350
25	969	539	464	437	398	410	1710	2490	2790	2880	2840	1320
26	946	536	461	434	404	256	1660	2320	2760	2880	2760	1330
27	848	532	464	434	407	174	1640	2250	2760	2850	2740	1280
28	792	532	476	434	395	58	1750	2260	2740	2840	2790	1230
29	919	532	470	428	—	0	1940	2260	2740	2850	2820	1460
30	814	532	467	419	—	0	2120	1940	2740	2850	2840	1880
31	700	532	449	431	—	0	1800	1800	2720	2850	2830	—

*For the year ending September 30, 1923
Plate No. 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2020	60	516	521	478	449	885	3420	2760	3560	3750	3530
2	1910	60	513	521	489	454	964	3420	2840	3590	3750	3460
3	1850	60	491	521	508	451	1210	3390	2790	3610	3700	3450
4	1880	60	486	521	502	451	1310	3400	2750	3610	3650	3440
5	1970	172	489	521	483	441	1300	3430	2650	3620	3590	3460
6	1930	1020	491	521	489	446	1140	3440	2470	3610	3560	3430
7	1880	1110	521	524	475	451	692	3410	2400	3640	3560	3410
8	1780	1050	505	526	478	451	624	3400	2360	3640	3590	3380
9	1620	950	499	529	475	446	624	3370	2320	3650	3600	3330
10	1540	865	499	532	470	446	686	3450	2320	3660	3590	3290
11	1510	762	499	529	475	454	756	3440	2430	3690	3600	3260
12	1510	695	502	532	467	459	859	3450	2620	3710	3600	3200
13	1500	596	502	534	446	475	1100	3340	2890	3720	3610	3200
14	1540	554	502	540	446	472	1190	3340	3020	3730	3630	3200
15	1530	573	505	540	459	470	1280	3360	3170	3730	3650	3120
16	1430	593	505	534	454	451	1280	3450	3290	3750	3650	3010
17	1390	559	508	532	454	438	1350	3480	3530	3730	3660	2800
18	1320	551	510	534	459	187	1460	3520	3590	3710	3650	2770
19	1280	554	510	521	449	40	1550	3520	3590	3730	3670	2640
20	1190	559	502	478	457	39	1780	3480	3650	3720	3670	2580
21	1110	559	499	475	450	39	2160	3430	3730	3730	3670	2330
22	1070	556	499	457	441	39	2580	3400	3570	3700	3690	2120
23	1010	556	497	441	441	40	3010	3340	3380	3710	3690	2090
24	971	556	499	441	433	222	3250	3320	3490	3750	3690	1970
25	856	551	499	441	433	537	3170	3250	3500	3750	3700	1970
26	803	537	499	441	436	562	3130	3230	3540	3760	3690	1970
27	803	534	502	446	451	891	3150	3230	3560	3760	3670	1970
28	604	529	521	457	444	947	3120	3090	3540	3780	3670	1960
29	486	529	524	472	—	878	3390	2930	3550	3760	3640	1970
30	464	529	521	480	—	834	3390	2680	3580	3750	3620	1940
31	467	521	521	467	—	869	3390	2620	3580	3750	3600	1940

NAV	1,330	504	501	462	446	1,746	3,324	3,096	227,300	3,697	3,647	2,808
Acres-	81,770	33,400	31,010	30,800	25,670	27,430	103,900	204,400	184,200	227,300	224,300	167,100
Feet												

Snake River at Milner, Idaho

Daily discharge, in second-feet, of

for the year ending September 30, 1953

Plate No. 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2670	227	354	1950	2010	4000	4290	157	148	282	310	339
2	2450	222	392	1960	2000	4130	4100	163	148	319	330	325
3	2160	220	395	1950	2590	4250	4000	159	192	319	348	587
4	1620	249	402	1970	3540	4030	3430	154	190	325	322	379
5	753	249	402	1970	3910	3970	2970	154	145	325	316	302
6	638	239	402	2010	3780	4090	2260	154	142	313	302	305
7	630	244	399	2160	3930	4990	2550	147	140	316	307	302
8	634	242	399	2200	3870	5510	3570	145	3930	307	310	302
9	638	242	395	2290	3900	5280	4290	145	13900	299	302	302
10	748	246	399	2320	4100	5110	4020	170	15900	328	302	305
11	1620	267	704	2260	4190	5180	3330	159	14900	293	307	305
12	2040	269	824	2200	4250	5280	2890	422	14300	285	319	305
13	1950	269	824	2030	4220	5080	2720	188	12300	282	310	305
14	1970	280	829	1830	4310	5650	2870	212	7440	285	293	229
15	2130	275	829	1970	4180	5820	3560	144	8200	280	296	45
16	2100	272	824	1990	4430	5430	3160	145	11800	293	307	8
17	2140	267	824	1990	4370	4790	2310	152	11800	296	313	6
18	2150	264	824	2010	4080	5160	1980	157	8960	293	310	8
19	2150	269	819	2010	4180	6130	1910	150	4980	293	310	7
20	1190	269	824	2080	4230	6280	1420	154	900	288	305	6
21	912	277	814	2010	4440	6240	509	155	730	299	310	5
22	894	277	1090	2100	4540	6160	119	154	4740	296	325	4
23	766	269	1770	2120	4500	5980	69	147	4200	302	334	4
24	392	269	1890	2140	4300	5590	44	152	891	305	330	4
25	483	269	1920	2080	4150	5190	46	234	1740	305	313	4
26	634	269	1870	2060	4260	5250	55	145	2860	305	310	3
27	776	269	1890	2060	4250	5540	49	137	3130	299	313	3
28	568	269	1940	2050	4250	4860	44	159	4050	299	313	3
29	418	269	1960	2000	4630	4720	54	163	2780	307	325	3
30	269	269	1950	2060	4750	4750	128	154	275	302	321	3

CLASS	1,259	260	1,003	2,058	3,949	5,131	2,092	167	5,194	301	315	157
ACCRUED	76,810	15,450	61,700	126,500	219,300	315,500	124,500	10,290	309,000	18,520	19,370	9,350
TOTAL	1,807	1,807	1,807	1,807	1,807	1,807	1,807	1,807	1,807	1,807	1,807	1,807

YEAR
1953
MEAN
1,306,290
AGGRUED

HENRY'S LAKE NEAR LAKE, IDAHO

for the year ending September 30, 19 53

Plate No. 48

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								73200				
2												
3												
4												
5												
6								76300		81800		
7												
8												
9							71800					66300
10												
11											70900	
12												
13												
14												
15				69600								
16												
17												
18												
19										77800		
20												
21												
22										76800		
23												
24												
25												
26												
27												
28												
29												
30												
31												

Mean												
Range												

YEAR
OR
PERIOD
MONTH
OR
PERIOD

U. S. GOVERNMENT PRINTING OFFICE 16-50865-1

HENRY'S FORK near LAKE, IDAHO

Daily discharge, in second-feet, of _____ for the year ending September 30, 1923. Plate No. 49

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	19	19	19	20	26	26	26	26	26	223	155	84
2	19	19	19	20	26	26	26	26	26	209	155	84
3	19	19	19	20	26	26	26	26	26	201	152	84
4	20	19	19	20	26	26	26	26	26	198	148	84
5	20	19	19	20	26	26	26	26	26	190	147	84
6	20	19	19	20	26	26	26	26	26	185	141	84
7	20	19	19	20	26	26	26	26	26	182	136	84
8	20	19	19	20	26	26	26	26	26	180	136	83
9	20	19	19	20	26	26	26	26	26	178	133	83
10	20	19	19	20	26	26	26	26	26	176	127	83
11	20	19	19	20	26	26	26	26	26	176	110	83
12	20	19	19	20	26	26	26	26	26	174	86	83
13	20	19	19	20	26	26	26	26	26	173	86	83
14	20	19	19	20	26	26	26	26	26	173	86	83
15	20	19	19	20	26	26	26	26	26	170	86	83
16	20	19	19	20	26	26	26	26	26	168	86	83
17	20	19	19	20	26	26	26	26	26	170	86	83
18	20	18	18	20	26	26	26	26	26	172	86	84
19	20	18	18	20	26	26	26	26	26	170	86	84
20	20	18	18	20	26	26	26	26	26	170	86	84
21	20	18	18	20	26	26	26	26	26	170	86	84
22	20	18	18	20	26	26	26	26	26	168	86	84
23	20	18	18	20	26	26	26	26	26	168	86	84
24	20	18	18	20	26	26	26	26	26	166	85	84
25	20	18	18	20	26	26	26	26	26	162	84	84
26	20	18	18	20	26	26	26	26	26	162	84	84
27	20	18	18	20	26	26	26	26	26	161	84	84
28	20	18	18	20	26	26	26	26	26	158	84	84
29	20	18	18	20	26	26	26	26	26	155	84	84
30	20	18	18	20	26	26	26	26	26	155	84	84
31	20	18	18	20	26	26	26	26	26	155	84	84

19.9	18.6	Est. 17.5	1.110	20	24.3	1.490	1.560	22.9	75.5	177	107	56.2
1,230	1,100	1,080	1,110	1,110	1,490	1,560	1,410	4,490	10,890	6,580	3,340	

Y. 2023
BLANK
35,380
48.9

ISLAND PARK RESERVOIR near ISLAND PARK, IDAHO

Contents are
Daily discharges, in hundred-feet, of

for the year ending September 30, 1923

Plate No. 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	62430	62760	80900	103420	105360	104595	103075	130010	135530	135045	102120	62900
2	62335	62760	81785	103420	105360	104595	103765	130800	135690	135045	100895	61965
3	62290	62760	82615	103420	105360	104595	104595	131670	135690	135045	99280	60990
4	62195	62715	83450	103420	105495	104595	105360	132470	135530	134960	97875	60125
5	62055	62715	84595	103560	105495	104595	106195	133510	136015	134960	96485	59185
6	62245	62715	85055	103765	105495	104315	106965	134880	136175	134960	94195	58300
7	62105	62715	87100	104180	105495	104180	107440	135610	136340	134880	92195	57380
8	62150	62715	87970	104385	105495	103970	108590	135610	136340	134800	90605	56395
9	62480	62715	89280	104385	105495	103905	109370	135450	136260	134720	89155	55465
10	62480	62715	90290	104455	105495	103765	109940	135125	136175	134640	87535	54180
11	62480	62760	91240	104455	105495	103695	110585	134800	136175	134555	85930	52805
12	62480	62760	92130	104455	105360	103625	111230	134640	136260	134475	84355	51465
13	62480	62855	93160	104525	105290	103625	111810	134800	136175	134395	82495	50155
14	62290	62995	94130	104525	105290	103560	112310	134800	136260	134395	80955	48915
15	62525	63425	95105	104595	105290	103490	112820	134880	136015	133830	79790	47705
16	62525	64430	96090	104800	105290	103420	113405	134880	135855	132790	78460	46320
17	62525	65355	97080	105150	105290	103350	113985	134880	135530	131515	76975	44870
18	62570	66490	98075	105150	105290	103145	114570	134880	135285	130405	76245	43535
19	62665	67495	99410	105290	105290	103145	115155	135125	135690	128830	75630	42140
20	62715	68510	100760	105290	105150	104110	115745	136825	135690	126485	75075	41050
21	62715	69650	101780	105290	105290	103145	116335	136990	135690	123555	74410	39765
22	62715	70690	102870	105360	105360	103145	117075	136940	135530	121120	73150	38530
23	62760	71700	102870	105360	105360	103075	117850	135855	135450	118710	71965	37560
24	62760	72720	103350	105360	105360	102940	118635	135285	135285	116630	70585	36670
25	62760	73750	103280	105360	105360	102870	119835	135285	135285	114350	69335	36040
26	62760	74740	103005	105360	105360	102870	121045	135365	135285	112600	68310	35345
27	62760	75685	102940	105360	105360	102730	122490	135205	135285	110300	67340	34735
28	62715	76470	102940	105360	105360	102665	123780	135205	135205	108445	66440	34070
29	62715	77600	103075	105360	105360	102595	125865	135610	135205	106615	65550	33940
30	62715	78690	103075	105360	105360	102525	127110	135610	135205	105080	64675	

Year

Acres

U. S. GOVERNMENT PRINTING OFFICE 16-50986-1

YEAR

OR

AGRICULTURE

MEAN

HENRY'S FORK near ISLAND PARK, IDAHO

For the year ending September 30, 1953

Plate No. 51

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	640	538	8	440	486	500	327	119	1060	787	1360	1050
2	630	543	8	440	486	504	178	201	1090	787	1360	1050
3	625	543	8	440	486	504	178	201	1090	787	1360	1050
4	601	543	8	440	486	504	178	391	1120	777	1360	1050
5	576	538	8	440	486	504	178	463	1130	767	1430	1050
6	581	538	8	440	486	504	178	538	1180	772	1610	1050
7	591	543	8	440	486	504	178	890	1200	762	1610	1050
8	414	543	8	454	486	504	178	1080	1260	758	1420	1050
9	576	543	8	454	486	504	178	1080	1260	753	1320	1050
10	562	543	8	454	486	504	178	915	1200	738	1420	1120
11	548	548	8	458	490	504	178	836	1190	733	1420	1260
12	548	548	8	458	490	504	178	806	1180	723	1410	1210
13	543	548	8	458	490	504	178	811	1190	718	1410	1230
14	519	548	8	458	490	504	178	831	1190	708	1410	1230
15	504	199	8	463	490	504	178	851	1160	762	1320	1220
16	504	7	8	463	490	504	185	865	1110	1220	1250	1250
17	509	7	9	463	490	504	185	870	1110	1220	1270	1270
18	509	7	9	463	490	504	189	987	1160	1140	1280	1280
19	528	7	9	463	495	504	189	875	1280	920	1220	1220
20	538	7	9	468	495	504	193	1010	1560	915	1150	1150
21	543	7	9	468	495	504	198	1260	1920	910	1150	1150
22	543	7	9	468	495	504	198	1320	1910	1050	1150	1150
23	543	7	9	468	495	504	80	1240	1850	1190	1080	1080
24	543	7	9	472	495	504	10	1220	1700	1200	981	981
25	543	7	9	472	495	504	10	1190	1680	1190	935	935
26	548	7	9	476	495	504	10	1130	1680	1120	885	885
27	548	7	9	476	495	504	10	1080	1670	1050	880	880
28	548	7	9	476	495	504	10	1020	1660	1050	748	748
29	538	7	9	481	495	504	10	1090	1620	1050	586	586
30	533	7	9	481	495	504	10	1090	1490	1050		
31	533	7	9	481	495	504	10	1090	1420	1050		

Mean	663	663	663	663	663	663	663	663	663	663	663	663
1.072	1.243	1.168	1.033	886	144	503	8.590	54.500	61.440	71.840	76.450	63.800
1.072	1.243	1.168	1.033	886	144	503	8.590	54.500	61.440	71.840	76.450	63.800

MEAN 663
X BAR 663
ACROSS 663

U. S. GOVERNMENT PRINTING OFFICE 16-60068-1

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1480	1300	1240	1270	1270	1190	1090	1270	2360	1550	2100	1830
2	1530	1240	1270	1270	1340	1270	964	1270	2510	1650	2060	1810
3	1500	1270	858	1270	1270	1270	964	1270	2860	1530	2120	1810
4	1480	1340	847	1280	1360	1270	1030	1390	2630	1630	2100	1770
5	1470	1320	803	1300	1280	1230	1050	1610	2740	1580	2060	1770
6	1440	1300	803	1300	1280	1230	1050	1880	2950	1580	2340	1750
7	1450	1280	847	1330	1280	1260	1050	2180	2890	1530	2400	1720
8	1470	1270	814	1300	1280	1260	988	2400	2930	1530	2420	1650
9	1260	1260	825	1340	1240	1240	952	2340	2760	1530	1980	1720
10	1520	1260	869	1320	1230	1270	964	2100	2610	1520	2120	1680
11	1520	1260	803	1300	1300	1330	964	1900	2490	1550	2200	1940
12	1440	1270	847	1300	1280	1300	964	1880	2470	1500	2180	2000
13	1440	1300	836	1300	1270	1330	964	1840	2470	1470	2240	1980
14	1470	1300	814	1300	1240	1270	964	1900	2380	1500	2220	2020
15	1390	1320	825	1300	1360	1270	964	1980	2360	1520	2280	2000
16	1390	940	792	1300	1240	1270	964	1960	2300	1550	2100	2000
17	1400	825	803	1340	1280	1300	964	2120	2220	2120	1980	2100
18	1400	836	847	1380	1280	1280	976	2100	2240	2000	2060	2060
19	1330	825	847	1380	1230	1280	1050	2240	2060	1980	1790	2060
20	1420	814	847	1300	1190	1320	1050	2550	1940	2200	1550	1980
21	1420	869	847	1340	1140	1330	1170	2660	1880	2740	1600	1920
22	1400	760	847	1270	1390	1270	1270	2720	1790	2720	1650	1880
23	1390	676	803	1320	1240	1260	1390	2530	1810	2740	1980	1900
24	1390	728	718	1300	1260	1270	1280	2570	1840	2530	2080	1720
25	1390	728	1080	1270	1240	1330	1300	2630	1700	2400	2020	1610
26	1380	676	1340	1320	1240	1300	1480	2470	1700	2380	2040	1560
27	1340	814	1440	1320	1260	1320	1610	2420	1730	2420	1920	1500
28	1340	738	1330	1240	1270	1380	1660	2380	1750	2400	1830	1530
29	1340	760	1300	1340	1270	1380	1660	2610	1630	2400	1830	1520
30	1320	749	1270	1260	1270	1330	1380	2550	1660	2240	1810	1190
31	1300		1330	1320		1340		2420		2180	1840	

Mean	1.113	1.040	929	1.306	1.270	1.292	1.149	2.132	2.255	1.941	2.029	1.799
Lower	86,900	61,870	57,140	80,310	70,550	79,420	68,390	131,100	134,200	119,300	124,800	107,100
Upper	1,113	1,040	929	1,306	1,270	1,292	1,149	2,132	2,255	1,941	2,029	1,799

MEAN 1.548
VARIANCE 1.121,880
AGGREGATE 1.121,880

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								1740	3180	1620	1100	1170
2								1290	3340	1620	1060	1170
3								1240	4600	1420	1160	1240
4								1460	4000	1380	1170	1190
5								1760	3940	1320	1140	1170
6								2150	4730	1240	1260	1170
7								2840	4330	1110	1350	1150
8								2860	4870	1030	1350	1090
9								2440	4410	952	1150	1090
10								2020	4150	910	1170	1080
11								1630	4150	910	1240	1220
12								1500	4300	776	1240	1340
13								1440	4220	732	1260	1320
14								1460	4220	700	1280	1290
15								1650	4250	708	1300	1230
16								1710	4000	684	1350	1240
17								1980	3730	1090	1210	1350
18								2090	3750	1040	1280	1360
19								2460	3730	996	1120	1350
20								3340	3340	1150	910	1280
21								3160	2900	1550	910	1290
22								3230	2600	1650	963	1380
23								2730	2600	1570	1170	1380
24								2790	2710	1540	1280	1300
25								3120	2390	1470	1210	1260
26								2790	1910	1470	1220	1290
27								2540	1790	1350	1160	1340
28								2750	1680	1250	1110	1420
29								4020	1540	1250	1140	1440
30								3770	1550	1150	1150	1440
31								3320		1120	1160	1440

1.258	1.186	1.180	1.258
2.373	3.430	204.100	72.910
145.900	204.100	72.910	72.540
570.290			71.840

MEAN
FLOOD
AGREEMENT
570.290

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1580	1840	1350	2140	2110	1980	1910	1520	3710	1720	1090	1160
2	1540	1860	1450	2100	2090	1940	1800	1310	3660	1750	1040	1160
3	1540	1880	1500	2100	2100	1860	1500	1120	4260	1700	1090	1260
4	1540	1890	1480	2110	2150	1890	1370	1120	5310	1570	1190	1260
5	1540	1940	1430	2120	2180	1890	1330	1240	5140	1580	1160	1220
6	1540	1950	1450	2150	2090	1860	1440	1490	5150	1520	1120	1220
7	1560	1950	1500	2170	2060	1840	1430	1830	5720	1380	1290	1230
8	1570	1940	1480	2200	2040	1840	1380	2210	5670	1190	1300	1150
9	1560	1860	1520	2150	2030	1890	1250	2210	5850	1050	1310	1090
10	1500	1850	1480	2340	1980	1890	1190	1870	5560	944	1120	1040
11	1580	1930	1500	2340	1960	1910	1150	1500	5180	992	1250	1050
12	1560	2050	1470	2420	2050	1900	1230	1080	5200	914	1260	1250
13	1530	2100	1460	2430	1960	1910	1090	998	5180	860	1300	1240
14	1480	2020	1460	2430	1980	1810	1020	1030	5140	814	1280	1200
15	1520	2030	1470	2280	1990	1780	974	1120	5140	775	1390	1240
16	1520	1990	1510	2260	1930	1720	956	1250	4830	775	1310	1280
17	1540	1560	1520	2320	1980	1780	932	1460	4360	842	1260	1420
18	1660	1420	1580	2360	1920	1750	932	1630	4280	764	1280	1470
19	1670	1400	1600	2380	1870	1760	950	2320	4330	792	1100	1480
20	1740	1390	1600	2340	1880	1790	926	3090	4170	944	962	1430
21	1740	1390	1600	2340	2010	1750	992	3230	3750	1310	944	1490
22	1750	1380	1600	2340	2010	1680	1160	3070	3190	1260	998	1520
23	1660	1270	1600	2240	2140	1650	1400	2820	3060	1260	1190	1520
24	1620	1300	1480	2260	2010	1630	1300	2820	3160	1280	1200	1430
25	1630	1380	1200	2190	1980	1630	1520	3270	2670	1320	1170	1400
26	1770	1300	1600	2170	2000	1690	1520	3270	2270	1280	1190	1470
27	1780	1370	1850	2150	1920	1740	1860	2950	2060	1160	1150	1500
28	1780	1330	2250	2050	1920	1810	2210	2950	1940	1150	1160	1560
29	1780	1350	2180	2140	2140	1940	2440	3480	1760	1200	1160	1570
30	1800	1350	2140	2190	2190	2020	2020	4340	1760	1100	1150	1570
31	1810	1350	2100	2100	2100	1980	2020	4340	1760	1100	1150	1570

Mean
1.118

1.624
99,870

1.676
99,710

1.592
97,880

2.235
137,400

2.013
111,800

1.834
112,800

1.359
80,870

2.140
131,600

4.226
251,500

1.168
71,830

1.183
72,740

1.118
78,470

1.860

Mean
1.346,470

Year

1953

Daily drawings, in second form, of

Plate No. 5

[illegible]

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	519	469	500	480	458	430	474	959	1910	1540	526	500
2	512	447	500	474	464	415	464	878	2040	1420	545	566
3	512	442	500	480	486	410	458	834	2520	1300	566	545
4	512	447	500	474	469	410	474	968	2130	1220	526	480
5	512	452	500	480	464	405	512	1380	2300	1190	506	474
6	519	464	500	480	464	405	474	1780	2280	1030	552	469
7	519	464	500	486	447	405	474	1780	2280	1030	500	464
8	512	458	495	458	447	410	447	1510	2400	923	493	469
9	506	447	490	493	452	415	442	1230	2090	809	493	469
10	493	480	490	512	440	420	436	1040	2230	766	493	469
11	486	493	485	500	430	436	425	950	2620	682	506	474
12	486	500	480	500	425	425	436	896	2990	660	493	469
13	486	526	480	512	420	436	420	977	2880	615	480	469
14	474	519	480	474	425	420	415	1290	3220	580	506	469
15	474	545	475	474	442	410	415	1390	2950	552	526	469
16	486	538	480	474	436	405	442	1540	2830	532	506	474
17	474	526	486	500	425	405	469	1500	3090	526	500	474
18	464	519	506	474	415	415	506	1780	3260	519	500	469
19	464	519	506	469	390	420	580	1980	2810	506	500	464
20	464	519	506	480	410	415	716	1630	2400	493	500	519
21	486	512	506	480	410	405	818	1400	2250	486	500	552
22	480	493	474	469	410	405	950	1210	2380	480	493	538
23	474	480	464	480	410	405	914	1390	2540	622	500	538
24	474	475	474	458	464	420	1180	1300	2110	675	493	538
25	464	474	474	464	420	420	1350	1290	1800	601	493	532
26	464	458	474	464	420	430	1480	1430	1640	486	500	532
27	452	486	474	469	425	464	1590	2000	1490	469	519	526
28	452	480	485	464	420	464	1370	2510	1500	474	532	526
29	452	500	485	452	—	480	1100	2070	1520	474	512	519
30	458	500	486	452	—	480	1100	2070	1520	486	500	519
31	452	500	493	447	—	500	1100	1750	1520	486	500	519

Mean	4.84	4.89	4.88	4.79	4.34	4.24	6.90	1.406	2.384	7.36	508	4.98
Acres	29,740	29,080	30,000	29,420	24,080	26,060	41,030	86,420	141,900	45,260	31,220	29,600
Feet	29,740	29,080	30,000	29,420	24,080	26,060	41,030	86,420	141,900	45,260	31,220	29,600

MEAN
543,810
751

FALL RIVER near CHESTER, IDAHO

for the year ending December 31, 1923
 Plate No. 57

Daily discharge, in second-feet, of

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	909	1700	900	85	253	225	175	162	104	89	162	162
2	837	2410	738	141	225	175	162	104	89	162	162	162
3	864	1900	629	112	175	162	104	89	162	162	162	162
4	1090	1980	608	104	162	162	104	89	162	162	162	162
5	1420	2200	548	104	162	162	104	89	162	162	162	162
6	1690	2050	466	94	162	162	104	89	162	162	162	162
7	1430	2330	390	72	168	168	168	168	168	168	168	168
8	1100	2000	306	70	168	168	168	168	168	168	168	168
9	864	2070	249	72	168	168	168	168	168	168	168	168
10	714	2400	165	87	165	165	165	165	165	165	165	165
11	615	2780	112	96	155	155	155	155	155	155	155	155
12	643	2770	102	110	158	158	158	158	158	158	158	158
13	722	2910	102	112	158	158	158	158	158	158	158	158
14	927	2980	102	133	155	155	155	155	155	155	155	155
15	1050	2780	94	188	155	155	155	155	155	155	155	155
16	1240	2540	74	175	162	162	162	162	162	162	162	162
17	1160	2620	76	168	162	162	162	162	162	162	162	162
18	1390	2770	85	152	155	155	155	155	155	155	155	155
19	1860	2420	83	144	155	155	155	155	155	155	155	155
20	1430	1920	79	147	175	175	175	175	175	175	175	175
21	1220	1690	72	158	225	225	225	225	225	225	225	225
22	981	1760	62	162	221	221	221	221	221	221	221	221
23	1100	1900	218	168	221	221	221	221	221	221	221	221
24	1110	1550	233	178	225	225	225	225	225	225	225	225
25	1010	1200	188	172	206	206	206	206	206	206	206	206
26	1110	1080	63	175	158	158	158	158	158	158	158	158
27	1490	909	40	192	152	152	152	152	152	152	152	152
28	2130	891	30	203	147	147	147	147	147	147	147	147
29	1850	918	20	199	149	149	149	149	149	149	149	149
30	1210											
31	1520											

MEAN	ACRE- FEET	MEAN	ACRE- FEET	MEAN	ACRE- FEET	MEAN	ACRE- FEET	MEAN	ACRE- FEET	MEAN	ACRE- FEET	MEAN	ACRE- FEET
176	138	253	138	176	138	253	138	176	138	253	138	176	138
10,470	8,350	15,560	8,350	10,470	8,350	15,560	8,350	10,470	8,350	15,560	8,350	10,470	8,350
1,176	2,031	72,330	2,031	1,176	2,031	72,330	2,031	1,176	2,031	72,330	2,031	1,176	2,031
227,510		227,510		227,510		227,510		227,510		227,510		227,510	

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	301	274	215	205	230	240	425	258	324	622	460	324
2	301	266	220	215	254	220	314	242	478	609	521	339
3	301	258	225	220	319	215	349	230	397	589	484	329
4	301	258	266	225	296	210	359	227	408	583	454	324
5	301	262	230	230	270	210	344	234	490	577	443	319
6	301	262	230	230	270	210	344	234	490	577	443	314
7	301	266	235	230	254	225	344	242	454	577	443	314
8	301	262	235	210	254	225	292	258	521	570	425	310
9	301	255	235	180	250	250	292	266	448	552	414	301
10	301	255	240	230	240	262	270	270	397	539	402	296
11	296	255	240	290	230	292	270	270	425	545	414	292
12	292	260	240	320	210	279	234	262	570	521	414	288
13	292	262	240	320	180	279	230	254	858	515	397	288
14	288	266	240	320	180	250	238	250	1090	502	392	283
15	288	283	240	260	180	242	242	246	1210	527	397	279
16	288	270	240	260	180	242	246	246	1200	521	402	279
17	288	265	240	260	217	279	296	246	1170	515	402	279
18	283	262	240	280	234	254	292	250	1240	515	408	279
19	288	258	240	320	225	250	270	258	1360	515	397	274
20	288	255	240	354	215	266	274	301	1360	472	380	274
21	283	250	240	320	205	246	283	301	1130	472	354	274
22	283	245	239	296	230	230	283	329	962	478	354	274
23	283	230	230	288	200	227	279	288	932	472	349	274
24	279	215	220	279	200	238	266	329	954	472	349	274
25	279	210	205	274	210	305	250	344	887	460	344	274
26	279	210	190	270	230	419	258	292	724	454	334	270
27	274	210	190	246	254	484	266	279	635	448	329	270
28	274	210	190	240	260	622	274	296	577	448	329	270
29	274	210	195	240	262	558	283	349	545	454	324	270
30	274	215	200	262	262	527	270	359	602	454	324	270
31	274	215	200	223	223	527	270	339	602	460	324	270

MEAN	17,780	14,800	13,840	16,020	12,720	18,690	17,150	17,000	45,010	31,920	24,290	17,320
MEAN	289	249	225	261	229	304	288	276	756	519	395	291
MEAN	289	249	225	261	229	304	288	276	756	519	395	291

MEAN 341
AGREEMENT 216,540

TETON RIVER near ST. ANTHONY, IDAHO

Daily discharge, in second-feet, of _____ for the year ending September 30, 1923 Plate No. 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	545	498	400	385	407	376	659	641	1290	1450	832	595
2	540	492	410	385	416	367	562	572	1480	1420	832	606
3	540	477	420	385	430	350	508	534	1800	1360	888	624
4	534	472	420	385	482	346	550	534	1440	1280	832	606
5	528	477	410	394	477	354	545	584	1780	1260	812	601
6	528	477	410	402	477	358	773	584	1640	1230	806	595
7	534	477	420	448	477	371	874	584	1850	1190	780	595
8	528	472	420	376	448	389	806	806	1660	1140	747	584
9	534	478	420	333	430	407	714	714	1670	1130	766	572
10	534	478	420	482	420	492	635	635	2010	1100	754	578
11	528	458	420	550	412	453	567	567	2340	1060	728	518
12	523	482	420	550	420	463	534	534	2660	1040	721	498
13	518	482	415	562	425	412	513	513	2960	1010	714	518
14	513	487	416	498	350	416	550	550	3000	986	708	550
15	513	518	416	478	341	398	671	671	2770	979	677	534
16	518	508	416	458	398	420	863	806	2660	930	689	540
17	518	487	416	458	371	477	958	958	2850	902	683	534
18	513	492	420	508	371	416	1080	1080	3040	881	677	534
19	508	492	420	567	360	425	1350	1350	2870	860	659	528
20	513	487	420	523	350	416	498	1230	2360	825	635	523
21	513	487	416	498	350	394	528	1060	2070	860	618	523
22	513	434	416	472	350	384	578	881	2050	916	618	523
23	513	430	416	472	350	389	595	853	2110	916	612	518
24	513	415	400	463	354	418	618	895	1880	909	606	513
25	513	400	375	453	354	567	677	832	1560	895	595	503
26	508	390	370	425	354	786	773	937	1360	888	589	448
27	508	390	370	420	371	786	846	1240	1290	860	601	444
28	503	390	375	420	389	867	846	1800	1290	860	595	444
29	492	395	380	414	---	799	728	1480	1350	839	595	444
30	487	400	380	412	---	766	---	1170	1170	839	595	---

31,890	27,310	25,000	27,820	21,870	28,590	31,320	52,730	120,300	63,820	43,290	32,160
519	459	407	453	394	1.65	54.3	858	2,022	1,038	704	540

MEAN YEAR 506.090

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	122	189	305	311	368	347	426	430	376	108	74	80
2	129	198	315	308	365	347	415	394	404	101	71	77
3	133	192	330	308	376	340	404	333	500	88	75	68
4	129	189	335	308	397	344	415	296	508	70	78	83
5	126	256	335	308	404	347	426	262	519	64	80	81
6	129	285	335	304	390	350	419	259	530	65	78	68
7	129	294	337	311	394	358	408	262	565	50	75	68
8	135	298	334	318	394	365	397	268	565	46	75	74
9	135	298	331	318	383	365	397	259	580	51	75	75
10	137	308	324	375	358	379	390	259	580	60	75	77
11	135	301	331	436	394	379	242	242	580	60	75	77
12	137	308	334	392	394	394	228	207	519	64	81	77
13	137	314	334	392	344	386	162	207	478	65	84	78
14	137	327	334	447	344	365	155	162	478	78	88	78
15	137	347	331	433	344	376	155	155	444	84	78	78
16	144	347	328	381	344	368	155	155	372	83	86	86
17	146	341	328	371	344	368	151	202	299	67	88	91
18	155	331	328	405	344	358	215	202	220	56	88	88
19	163	331	331	448	340	354	215	215	185	60	86	88
20	170	331	364	596	319	365	256	256	164	51	89	81
21	173	328	364	518	309	365	271	271	148	50	103	81
22	168	324	364	482	309	368	283	283	153	64	86	84
23	168	308	341	430	312	358	268	268	142	61	84	88
24	168	308	321	405	312	372	299	299	122	58	78	94
25	181	308	304	395	312	383	361	361	108	58	78	98
26	158	288	300	388	316	397	368	368	114	50	81	91
27	163	265	300	378	322	401	344	344	108	44	80	88
28	170	270	305	361	333	419	333	333	110	44	80	88
29	178	280	305	361		430	340	340	218	75	75	96
30	178	290	310	379		437	383	383	185	75	70	98
31	186					441	397	397		78		

Mean	Age	150	17,360	20,080	23,890	19,380	23,080	24,730	17,340	20,290	3,860	4,930	4,910
82.5	150	292	327	388	349	375	416	282	341	62.8	80.2		

YEAR OR PERIOD
 MEAN
 189,090

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