

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

1955

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INTRODUCTION

The annual meeting of Water District No. 36 was held at Idaho Falls on March 7, 1955. 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; J. H. Silbaugh, Frank Redfield, Geo. D. Hansen, Clifford Scoresby, Leo Murdock and R. Willis Walker.

Advisory members: Merle Tillery representing the U. S. Bureau of Reclamation and E. G. Gooding representing American Falls Reservoir District No. 2.

Principal resolutions adopted at the annual meeting included the following:

1. Fixed stored water transmission losses at the same rates used for some years past, namely, $2\frac{1}{2}\%$ Moran to Heise, 4.4% Heise to Lorenzo, 0.5% Lorenzo to Shelley, 6% Shelley to Blackfoot, 4% Henrys Lake to Island Park, 2% Island Park to Warm River, 0.5% Warm River to Ashton.

2. Adopted a budget of \$45,551 to cover expenses of operation of the District during the ensuing year of which it was estimated that \$15,000 would be received from Federal and State Stream gaging funds.

3. Requested Congress to provide funds for a comprehensive study of flood control problems on the upper Snake and tributaries.

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

Construction work at the Palisades dam continued during the year on schedule and it is anticipated that some storage can begin in the fall of 1956. On account of scheduled construction operations

at Palisades dam it is hoped that 1956 will be a good water year with substantial holdover in Jackson Lake at the close of that season. When the present temporary intakes of the Palisades power and discharge tunnels are plugged in the fall of 1956, the river below Palisades dam will be entirely dry until enough water accumulates behind the dam to raise the water level to the elevation of the permanent intakes, which will require about 77,000 acre-feet. The usual October river flow at Palisades would supply about 5,000 acre-feet daily and in order to avoid drying up the river for a 15-day period it would be desirable to spill some water from Jackson Lake and fill up this dead storage space in Palisades reservoir as quickly as possible. Even spilling at as great a rate from Jackson Lake as the river channel will safely carry there will be a period of about four days required to fill the dead storage space in Palisades reservoir, during which time the river below Palisades dam will be dry with a probable river flow at Heise of around 500 second-feet.

At the time of the annual water meeting the snow on the main river watershed was about 70% of normal. Subsequent precipitation improved the situation somewhat and the 1955 annual run-off at Heise was 78% of normal. The reduced natural flow required heavy draft on the reservoirs with a combined reservoir holdover on September 30, 1955, of about 639,000 acre-feet, or 22% of capacity, the lowest holdover since 1940.

The reservoirs all filled to capacity and there was an adequate water supply, however, for the successful maturing of all crops

under canals that could be supplied with reservoir storage. On many of the tributary headwater streams, however, the various creeks receded to low levels with a resultant shortage in the usual water supply. Except for the storage reservoirs 1955 would have been a pretty dry year on Snake River, the run-off at Neeley, for example, being less than it was in the historic dry year of 1919. It is a conservative statement to say that the value of the stored water used in 1955 alone, expressed in terms of crop production, was greater than the total original cost of the reservoirs.

Water spilled past Milner, in excess of Idaho Power Company rights, during the year ending September 30, 1955, amounted to about 895,000 acre-feet. This was practically all spilled prior to May 14th, the last day that American Falls reservoir was at capacity level. The large holdover in American Falls on September 30, 1954, made it possible to spill considerable water during the following winter for power production, and due to cold weather in April canal diversions during that month were far below normal resulting in substantial spill during April after American Falls reservoir filled.

Regulation of lower valley users began May 14 and thru June 21 they had used an aggregate of 179,000 acre-feet of stored water. Due to the backward spring regulation in the upper valley did not begin until June 23 when it was necessary to cut throughout the District to August 6, 1908 priorities. Regulation continued until September 30.

The measurement of water levels in wells surrounding the American Falls reservoirs and securing of related information was continued during the year. This work is being done by the ground water branch

of the Water Resources Division of the Geological Survey under a cooperative agreement with the State of Idaho by terms of which the Snake River waterusers and the Geological Survey each contribute \$1500 annually to cover cost of the work. The \$1500 paid by the waterusers is made a special charge against owners of American Falls space and downstream users as set out in detail in the 1952 annual report.

PERSONNEL

The persons engaged in water distribution during 1955 were as follows:

Lynn Crandall	Watermaster and Deputy Com. of Reclamation
Henry C. Eagle	Hydraulic 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 and 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
Gale 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
H. 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., Bureau of Reclamation

Gage Readers: Foster B. Randall, F. S. Cowley, D. R. Anthony, Mrs. Irvin Siepert, J. T. Hobbs, Katie Hobbs, Jos. H. Bahr, Jr., Darrell Washam, T. E. Culley, Earl D. Sears, Oscar Green, Geo. Carre', Lynn Miskin, G. A. Smith, A. C. McLane, E. L. Dutton, A. K. Draper.

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
1954	19	4.6	37	10.4	42	13.0	46	14.5
1955	20	2.7	24	4.7	34	7.8	36	10.7
Normal	22	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
1954	-	-	51	14.5	61	19.4	72	23.1
1955	-	-	31	7.3	50	12.6	54	17.3
Normal	35	7.2	47	12.7	57	17.5	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
1954	23	5.7	46	12.9	57	17.5	65	20.9
1955	20	3.5	29	7.3	51	12.5	52	17.1
Normal	32	6.4	42	11.3	51	15.3	51	17.7

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

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W	S	W
<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
1954	26	6.5	48	12.6	55	17.0	69	21.0
1955	23	4.0	34	8.5	54	13.2	56	17.9
Normal	34	7.2	45	12.3	56	16.7	61	19.6

Snake River Station (Snake River)

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
1954	29	7.0	51	14.4	60	18.9	77	24.1
1955	25	4.6	34	8.9	55	13.8	59	19.3
Normal	35	7.3	47	12.5	57	17.1	61	20.1

Lewis Lake Divide (Snake River)

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
1954	53	14.9	106	31.9	116	41.2	143	52.3
1955	41	9.7	53	16.6	97	26.9	106	38.7
Normal	62	15.4	82	26.2	101	35.1	112	43.3

Aster Creek (Snake River)

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
1954	35	9.3	81	23.4	90	31.0	112	38.0
1955	31	6.4	40	10.7	82	20.1	92	30.6
Normal	46	11.0	62	18.8	75	25.4	85	31.7

Depth in Inches (S = Snpw, 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>S</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
1954	36	9.0	59	16.8	73	25.2	83	28.5
1955	24	4.8	37	10.1	64	12.4	64	20.7
Normal	39	8.1	51	14.1	63	19.0	63	22.6

Glade Creek (Snake River)

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
1954	30	7.3	54	15.2	62	19.9	75	24.8
1955	26	4.9	36	9.3	60	14.9	64	20.3
Normal	40	8.6	52	14.8	64	19.5	66	23.3

<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>						
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
1954	32	7.9	39	10.8	46	12.6
1955	21	3.9	28	6.1	32	7.9
Normal	29	6.7	33	8.4	37	10.7

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

<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>Four Mile Meadows (Buffalo River)</u>						
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
1954	37	9.6	42	11.4	52	14.6
1955	26	5.3	34	7.0	42	10.6
Normal	34	8.2	40	10.6	46	13.2

<u>Black Rock (Buffalo River)</u>						
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
1954	55	15.7	64	19.3	76	24.4
1955	36	7.8	54	12.5	61	18.2
Normal	46	12.4	55	16.7	67	22.1

<u>Twogwotee Pass (Buffalo River)</u>						
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
1954	70	21.1	84	26.3	103	34.7
1955	47	11.6	75	19.4	83	27.7
Normal	61	18.6	71	22.8	82	29.1

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

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W	S	W
<u>Valley View Ranch (Henrys Fork)</u>								
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
1954	19	2.4	46	8.2	45	12.4	47	15.4
1955	12	1.2	32	5.7	43	8.3	44	13.3
Normal	25	4.8	40	9.5	48	13.0	49	15.4

<u>Big Springs (Henrys Fork)</u>								
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
1954	32	6.1	59	14.1	62	20.8	64	24.7
1955	22	3.3	39	9.1	62	16.1	61	21.9
Normal	33	6.8	49	12.8	61	18.4	62	21.6

<u>Island Park (Henrys Fork)</u>								
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
1954	26	4.5	48	12.4	51	15.5	50	16.8
1955	16	2.4	34	7.8	60	12.4	52	16.2
Normal	28	5.3	42	10.1	52	14.6	50	16.3

<u>Grassy Lake (Fall River)</u>								
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
1954	48	11.5	75	22.4	82	29.2	100	35.6
1955	56	11.8	59	16.4	93	25.2	91	34.9
Normal	55	14.5	70	21.8	85	29.5	88	34.2

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

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W	S	W
<u>Teton Pass (Teton River)</u>								
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
1954	48	11.9	79	20.7	82	28.6	111	37.4
1955	32	7.9	52	15.6	80	18.8	91	34.0
Normal	51	14.0	72	22.4	90	30.5	103	37.8

<u>State Line (Teton River)</u>								
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
1954	26	4.6	43	7.9	42	13.0	61	18.9
1955	17	2.0	25	5.6	40	8.4	43	12.4
Normal	26	5.6	39	9.6	46	13.3	47	15.9

<u>East Rim (Hoback River)</u>								
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
1954	-	-	-	-	36	8.9	47	13.4
1955	9	1.2	17	3.5	26	6.1	33	9.1
Normal	16	2.9	-	-	36	10.0	40	11.9

<u>Bryan Flat (Hoback River)</u>								
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
1954	12	2.4	31	7.7	35	9.4	44	14.5
1955	9	1.1	15	3.0	29	5.0	30	8.1
Normal	19	3.8	27	6.5	34	9.2	33	10.8

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

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W	S	W
<u>Yellowjacket Flat (Gros Ventre River)</u>								
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
1954	-	-	-	-	28	6.5	31	7.9
1955	-	-	-	-	19	3.5	22	4.9
Normal	11	1.9	21	4.0	27	5.8	27	6.7

Grover Park Divide (Salt River)

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
1954	18	3.9	25	6.6	29	7.9	46	13.4
1955	12	2.0	21	4.9	30	6.9	33	9.3
Normal	21	4.3	31	7.5	35	9.9	38	11.5

CCC Camp FF12 (Salt River)

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
1954	21	4.7	30	7.9	32	9.5	46	12.9
1955	18	3.0	24	5.0	40	7.6	40	10.8
Normal	21	4.4	31	7.5	37	10.0	38	11.9

Deadman Ranch (Greys River)

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
1954	-	-	-	-	34	10.4	37	13.9
1955	-	-	-	-	25	5.3	30	9.1
Normal	20	3.4	30	6.4	34	9.9	32	10.1

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

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W	S	W
<u>Greys Boundary (Greys River)</u>								
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
1954	18	3.9	30	9.1	33	10.2	40	12.1
1955	20	1.9	24	5.5	38	7.9	35	11.1
Normal	23	4.7	31	7.5	36	10.6	32	11.4

On April 1st the snowfall (water content) on the Jackson Lake watershed averaged 91% of normal, between Moran and Heise the average was 83% of normal, in Island Park it was 95%, on Fall River 102% and on Teton River 84%.

Comparable run-off figures for year ending September 30, 1955 were: Snake River at Moran 86%, Snake River near Heise 78%, Henrys Fork near Ashton 98%, Fall River near Squirrel 95%, Teton River near St. Anthony 78%.

At many of the snow measuring stations some melting has usually started by April 1st, but due to cold weather in 1955 this was not the case, thus accounting in part for the reduced percentage of normal run-off as compared to snow on the ground on April 1. The large percentage run-off at the Ashton station is due to ground-water holdover from 1954 in the Island Park region which acts as an equalizing factor between wet and dry years.

1955 REGULATION SCHEDULE

May 14 Began regulation below American Falls and continued to June 22 on fluctuating schedule.
 June 23 Started regulation above American Falls, out off rights later than August 6, 1908 priority.

Regulation schedule - continued

June 25	Filled 50% Jan. 22, 1916 rights
" 29	Cut off rights later than Aug. 6, 1908
July 6	Cut off rights later than Oct. 7, 1905
" 8	Cut off rights later than Mar. 26, 1903
" 9	Cut off rights later than Oct. 11, 1900, above Blackfoot
" 12	Cut off 1898 rights on Teton River
" 14	Cut off all 1900 rights
" 16	Cut off 1896 rights
" 17	Filled 50% Feb. 6, 1895 right
" 18	Filled 40% February 6, 1895 right
" 19	Cut off all 1895 rights
" 22	Filled 50% Aug. 18, 1894 right
" 23	Restored 1894 rights
" 24	Filled 10% Feb. 6, 1895 right
" 25	Filled 50% Feb. 6, 1895 right
" 26	Filled Mar. 22, 1895 right
" 28	Cut off Mar. 22, 1895 right
" 29	Filled 40% Feb. 6, 1895 right
" 30	Filled 50% Aug. 18, 1894 rights, Cut off rights later than Oct. 1, 1889 on Teton River
" 31	Cut off 1892 rights
Aug. 1	Filled 50% Dec. 14, 1891 right
" 2	Filled 20% Dec. 14, 1891 right
" 3	Cut off June 1, 1891 right
" 4	Cut June 1, 1885 rights on Teton River
" 5	Restored June 1, 1891 rights
" 8	Filled 50% Dec. 14, 1891 right
" 11	Filled 50% June 1, 1885 rights on Teton River
" 13	Cut off Dec. 14, 1891 rights
" 16	Restored 50% Dec. 14, 1891 right
" 16	Restored June 1, 1885 rights on Teton River
" 18	Restored 1889 rights on Teton River Restored all 1891 rights on Snake River and Henrys Fork
" 21	Cut off Dec. 14, 1891 right
" 22	Cut off June 1, 1891 rights
" 23	Cut off all 1891 rights
" 24	Cut off Nov. 24, 1890 right
" 26	Filled 50% Jan. 24, 1891 right
" 27	Restored June 1, 1891 rights
Sept. 1	Filled 50% Jan. 24, 1891 right
" 2	Cut off all 1891 rights
" 3	Cut off Oct. 16, 1890 rights
" 4	Cut off all 1890 rights
" 10	Filled Mar. 1, 1890 rights
" 13	Filled 50% June 1, 1890 rights
" 16	Cut 40% June 1, 1884 right on Teton River
" 19	Filled June 1, 1890 rights
" 20	Filled July 12, 1890 rights
" 21	Filled Oct. 16, 1890 right
" 22	Filled 50% Dec. 14, 1891 right
" 23	Filled 2/3 Dec. 14, 1891 right

Regulation Schedule - continued

Sept. 24	Restored 1884 rights on Teton River
" 25	Filled 1893 rights
" 26	Filled 1894 rights
" 27	Restored all rights above Blackfoot

Jackson Lake gates were closed September 26 and the inflow below that point was sufficient thereafter to fill demands by canals above American Falls reservoir. Some of the canals below American Falls continued to draw storage until the end of September.

Storage draft on the various reservoirs started on the following dates: Jackson Lake July 3, American Falls May 14, Island Park July 7, Henrys Lake July 18, Grassy Lake July 18.

WATER SUPPLY

Run-off at various gaging stations during the year ending September 30, 1955, was as follows:

Station	1955 Run-off (acre-feet)	Average run-off past years (acre-feet)	Years of record	1955 % of Average
Snake River at Moran	898,200	1,039,000	52	86
Snake River near Heise	3,967,000	5,055,000	52	78
Snake River at Neeley	4,232,000	5,665,000	59	75
Fall River near Squirrel	519,300	546,700	42	95
Teton River near St. Anthony	425,500	546,100	28	78
Henrys Fork near Ashton	962,800	980,900	35	98
Henrys Fork near Rexburg	1,198,000	1,406,000	47	85

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.

Peak flows (mean daily discharge) were as follows:

Snake River at Moran	7,380 sec.-ft. on July 20
Snake River near Heise	18,500 sec.-ft. on June 17
Snake River near Blackfoot	10,400 sec.-ft. on June 19
Snake River at Milner	6,440 sec.-ft. on April 18

The only complaint received of damage by stream flows was one received during August from a landowner along the bank of Snake River near Wilson, Wyoming. The discharge of the stream at the time was less than had previously been carried with no reported damage and it appeared that the trouble was due to some change in the river channel that caused the current to erode one bank.

The maximum inflow to Jackson Lake was about 8,500 second-feet on June 13, but the Lake on that date still had substantial vacant storage space so that the great part of the inflow at the time was accumulated as storage in the Lake.

The Jackson Lake gates were closed for about eight hours on July 6 to reduce the flow at Palisades dam to assist the contractor in shutting off the water being carried by the power tunnel and forcing it all thru the other discharge tunnel. This was accomplished on July 7, resulting in a rise of about 13 feet in the water level above the tunnel intakes, representing additional pondage of about 2,200 acre-feet.

This shut-off at Moran was for such a short time period that no serious inconvenience was sustained by the Snake River canals from the resulting fluctuation in river flow.

The following tabulation shows a comparison of annual run-off for the year ending September 30, 1955, with April 1 estimates by the Weather Bureau and Soil Conservation Service, Snow Survey department:

<u>Station</u>	<u>Estimated run-off (acre-feet)</u>	<u>Actual run-off (acre-feet)</u>	<u>% Variation of estimated from actual run-off</u>
Snake River at Moran	880,000	898,200	- 2%
Snake River near Heise	4,150,000	3,967,000	+ 5%
Snake River near Shelley	3,150,000	3,166,000	- 1%
Snake River near Blackfoot	2,230,000	2,258,000	- 1%
Snake River at Neeley	4,230,000	4,232,000	0
Snake River near Minidoka	3,650,000	3,470,000	+ 5%
Henrys Fork near Ashton	975,000	963,000	+ 1%
Henrys Fork near Rexburg	1,320,000	1,198,000	+10%
Fall River near Squirrel	500,000	519,000	- 4%
Teton River near St. Anthony	470,000	448,000	+ 5%

Most of the above estimates are remarkably close to the actual run-off that occurred.

Annual reservoir holdovers on September 30 during 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>
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
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
1954	316,600	627,000	89,130	67,700	45,350	11,620	1,157,400
1955	192,820	264,000	93,550	50,400	27,120	11,250	639,140
Average	359,100	651,400	91,560	61,000	53,200	12,010	1,228,270

The capacity of these reservoirs when full is 2,872,000 acre-feet.

The 1955 holdover was about 22% of capacity, about 52% of the past ten years average holdover, and was the least holdover since 1940 in which year the combined holdover was 484,200 acre-feet.

TRANSFERS AND CHANGES IN POINT OF DIVERSION

The following transfer was issued during the year by the State Reclamation Engineer:

Transfer Order No. 860:

Transfer by Richard A. Beam, Swan Valley, of 1.6 second-feet April 9, 1889 and 1.6 second-feet Sept. 1, 1890 priorities of the waters of Rainey Creek to nearby lands with no change in point of diversion.

LITIGATION

The following decrees not previously listed were issued in the District Court of the Fifth Judicial District:

Lawrence Poitevin vs. Lynn Crandall, decree dated April 20, 1954:

6.0 second-feet of the waters of Market Lake Springs near Roberts, priority of May 23, 1934.

Octavus Smith et al, vs. Lynn Crandall, decree dated Sept. 13, 1955:

3.2 second-feet of the waters of Buffalo Flat Springs in Teton Basin, priority of April 2, 1897.

Vera Price vs. Lynn Crandall, decree dated Oct. 10, 1955:

1.6 second-feet of the waters of Buffalo Flat Springs in Teton Basin, priority of Aug. 20, 1900.

Hjalmar Anderson et al, vs. Lynn Crandall, decree dated Nov. 1, 1955:

13.6 second-feet June 1, 1888, 10.4 second-feet June 1, 1896, and 10 second-feet Jan. 22, 1916 priorities of the waters of Emigrant Creek west of Menan, with certain restrictions designed to prevent the future transfer of these rights to any lands outside of the so-called "Spring Creek" area west of Menan.

COMMUNITY LATERAL MANAGERS

In accordance with provisions of the Idaho Code, the following appointments were made for the 1955 irrigation season:

<u>Manager</u>	<u>Name of Lateral</u>
Noble Barrus	High Line lateral from Peoples Canal
Noble Barrus	Augustine lateral from Riverside Canal
Vernal Lofthouse	Desert Ditch, So. Leigh Creek, Teton Basin

CANAL DELIVERIES

Daily diversions from Snake River by canals above American Falls reservoir during the 1955 irrigation season are shown on Plates 6-10, inclusive. Records of winter diversions by these canals are not secured at the present time, such winter records being limited to those secured by the Bureau of Reclamation during 1943 and 1944. It is believed that nearly all the farmers under these canals are now provided with wells for domestic use, judging from the fact that practically all of the canals were dry or carried only a little headgate leakage when records started on May 1, 1955. Their diversions during the non-irrigation season are now apparently considerably less than in 1943-44, and at present are mostly controlled by use for stock-watering purposes and operation of the Lincoln sugar factory.

Daily diversions thruout the year by canals below American Falls are shown on Plates 57 to 67. Miscellaneous measurements of the flow of canals and streams in the headwater areas are shown on Plate 24.

Total diversions during the 1955 irrigation season by all canals in the District, including the headwater areas, as tabulated in the annual watermaster bill, amounted to 7,450,000 acre-feet, a decrease of 7% below the 1954 diversions.

Diversions during 1955 irrigation season by Snake River
Canals (downstream order from Heise)

(May to Sept. incl. for upper valley canals; Apr. 15 to Sept. 30
for canals below American Falls)

Canal	Diversions (acre-feet)	Acres Irrigated	Acre-feet per acre
Riley	5,280	870	6.1
Progressive Irr. Dist.	210,000 (a)	31,876	6.6
Farmers Friend	89,500	11,000	8.1
Enterprise	38,800	5,000	7.7

Canal	Diversions (acre-feet)	Acres Irrigated	Acre-feet per acre
Nelson	530	65	8.1
Mattson & Arnsberger	3,840	500	7.7
Ross & Rand	830	130	6.4
Butler Island	11,500	1,200	9.6
Steele	1,380	220	6.3
Harrison	110,000	13,000	8.5
Cheney	1,470	180	8.2
Rudy Irr. Co.	52,300	5,500	9.5
Kite & Nord	1,520	200	7.6
Burgess	206,000	22,000	9.4
Clark & Edwards	18,800	1,800	10.4
Lowder	10,800	1,100	9.8
East Labelle	30,800	2,700	11.4
Sunnydell	33,900	3,800	8.9
Lenroot	30,400	4,100	7.4
Reid	42,600	5,300	8.0
Texas Feeder	64,300	9,200	7.0
Nelson-Corey	1,930	400	4.8
Hill-Pettinger	970	160	6.1
Rigby	42,100	4,000	10.5
Dilts	7,650	700	10.9
Island	37,100	4,000	9.3
W. Labelle-Long Island	124,000	11,500	10.8
Parks & Lewisville	84,500	7,000	12.1
North Rigby	13,400	1,400	9.6
White	890	120	7.4
Ellis	1,150	120	9.6
Bramwell	2,280	240	9.5
Butte & Market Lake	75,400	20,000	3.8
Osgood	26,800	6,500	4.1
Bear Island & Smith	920	215	4.3
Idaho	254,000 (a)	36,098	7.0
Kennedy	10,800	2,700	4.0
Great Western & Porter	195,000	32,000	6.1
Coy & Kellar	450	70	6.4
Woodville	21,400	3,200	6.7
Snake River Valley	142,000 (a)	21,288	6.7
Reservation	91,000 (b)	33,000	2.8
Blackfoot	79,000	15,000	5.3
New Lava Side	36,100	6,200	5.8
Peoples	126,000	18,000	7.0
Aberdeen	316,000	63,000	5.0
Corbett	46,700	6,000	7.8
Nielsen-Hansen	2,420	400	6.0
Riverside	35,400	4,000	8.8
Danskin	52,000	6,000	8.7
Trego	18,200	1,800	10.1
Wearyrick	16,200	1,600	10.1
Watson	32,900	3,200	10.3
Parsons	10,000	850	11.8

Canal	Diversions (acre-feet)	Acres Irrigated	Acre-feet Per acre
Minidoka Irr. Dist.	450,000	71,814	6.3
Burley Irr. Dist.	288,000	46,000	6.3
North Side Canal Co.	1,089,000	160,000	6.8
Twin Falls Canal Co.	1,033,300	202,706	5.1
Milner Low Lift	57,900	11,827	4.9
Gooding	458,800	61,313	7.5
Total	6,246,210	984,162	6.4

(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 8% less than in 1954. Of the 3,377,000 acre-feet diverted by lower valley canals 1,592,000 acre-feet or 47% was stored water. Upper valley main river canals diverted a total of 2,869,000 acre-feet of which 461,000 acre-feet or 16% was stored water.

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

Diversions in Thousands of Acre-feet
Heise to Blackfoot

<u>Year</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
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
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
1954	597	656	789	676	534	3252
1955	337	645	770	646	468	2866
Average	442	614	772	638	466	2932

Henrys Fork and Tributaries
(excluding headwater areas)

<u>Year</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
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
1954	224	236	225	185	133	1003
1955	153	249	229	177	128	936
Average	187	226	225	177	113	928

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>
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
1954	51	161	116	174	168	107	777
1955	14	142	142	176	157	107	738
Average	38	147	133	180	161	101	760

North Side Canal Co. Project

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
1951	84	179	213	234	221	170	1101
1952	42	202	225	234	232	174	1109
1953	76	195	190	239	233	176	1109
1954	88	217	196	230	228	177	1136
1955	33	187	227	233	233	183	1096
Average	67	201	205	231	228	164	1096

Twin Falls 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>
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
1954	108	218	187	219	221	164	1117
1955	40	187	203	220	225	170	1045
Average	80	203	194	220	221	158	1076

Gooding Project

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
1954	32	88	86	95	94	81	476
1955	14	80	94	97	96	79	460
Average	22	78	84	94	88	70	436

The seasons diversions from the main river between Heise and Blackfoot were 12% below 1954 diversions and about 2% less than the past 10 year average. Due to a cold backward spring most of the canals in this section did not begin irrigation diversions until mid-May, about 10 days later than usual. The flood water rights were cut off about two weeks earlier than normal, curtailing the usual floodwater diversions and a number of canals had to reduce their customary use of water during August and September due to lack of enough storage to run at full head and to early priority cuts in natural flow. In spite of the reduction in seasonal use, however, all of the canals had enough water so that by careful use it was possible to fully mature all the crops.

The seasons diversions on Henrys Fork were about 6% below 1954 due to low May diversions. The 1955 diversions from Henrys Fork by the Egin Bench canals, however, were the greatest ever recorded, being about 4% greater than in 1954. It was reported that these canals had difficulty in 1955 in holding the "sub" under Egin bench at as high a level as is customary. It is possible that the large volumes of water diverted onto Egin bench during the past 60 years have been carrying away in solution or suspension both towards Mud Lake and to Henrys Fork some of the underlying formations, making them more permeable.

The 1955 seasons diversions by canals below American Falls averaged about 4% less than during the preceding year due to low April-May diversions in 1955, the diversions during June to September 1955 mostly being as great or slightly greater than during those months in 1954.

RIVER DATA

The daily segregation of stored water and natural flow at the various reservoir outlets and downstream gaging stations was based on the same methods followed for many years past, using the schedule of transmission losses approved by the waterusers at the annual March meeting. The details of these methods for segregating stored water and natural flow have been fully described in various annual reports of the District for prior years so they are not repeated here.

A detailed daily summary of canal diversions and flow at river stations, all segregated as stored water and normal flow for the period of storage deliveries, is shown on Plates 12 and 13 for the main river and Plate 21 for Henrys Fork.

Owing to the complicated situation relating to use of stored water and natural flow from May 14 to June 21 by canals below American Falls, a proposal was made by the Watermaster for special treatment during that period as set forth in the following statement dated June 28, 1955, which was sent to the various parties concerned:

"Storage draft on American Falls began May 14 and the last date for any reservoir priority credit was June 21.

"It would be a complex matter to try and calculate the day to day natural flow water for the lower valley during the above period. At times natural flow was being stored at Jackson Lake belonging to earlier priorities below American Falls. At other times water was being spilled at Jackson Lake for flood control that could have been retained under the Jackson Lake priority. Such spill was in excess of the previously retained natural flow so that Jackson Lake filled under its own priority rights. Allowances would have to be made for evaporation on American Falls reservoir and gain Neeley to Milner in excess of Minidoka project use.

"It appears to me that a reasonable equitable distribution of the 179,000 acre-feet net draft on American Falls, May 14 to June 21, could better be arrived at as follows:

"The latest Jackson Lake priority right is June 10, 1914. Accordingly, I first calculated the total diversions by the users below American Falls May 14 to June 21 in excess of their priorities of that date. There were six days during the above period when American Falls was storing water so I then credited to the various canals for those six days the amount of water they were using under priorities between 1914 and the 1921 American Falls reservoir priority, including 850 second-feet to the Gooding project under its right to have as natural flow one-half of the first 1,700 second-feet available for the 1921 priority. On that basis we arrive at the following figures:

"Water used May 14-June 21 in excess of natural flow rights

"Twin Falls Canal Co.

Total diversions in excess of 3,000 sec.-ft.	32,200 acre-ft.
Credit for natural flow use later than 1914 priority	<u>4,500</u> "
Balance	27,700 "

"North Side Canal Co.

Total diversions in excess of 3,000 sec.-ft.	51,600 acre-ft.
Credit for natural flow use later than 1914 priority	<u>8,700</u> "
Balance	42,900 "

"Milner Low Lift

Total diversions	16,400 acre-ft.
Credit for natural flow use later than 1914 priority	<u>1,600</u> "
Balance	14,800 "

"Idaho Power Co.

Total 39 days @ 450 sec.-ft.	34,800 acre-ft.
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"Gooding Project

Total diversions	115,600 acre-ft.
Credit for natural flow use	<u>10,100</u> "
Balance	105,500 "

"American Falls reservoir dropped 179,000 acre-feet between May 14 and June 21 which is $79\frac{1}{4}$ per cent of the total of the several items above listed. Accordingly this percentage was applied to the amounts shown for each canal as follows:

	<u>Total Water Used</u>	<u>Net Storage Charge (acre-ft)</u>
Twin Falls Canal Co.	27,700	22,000
North Side Canal Co.	42,900	34,000
Milner Low Lift	14,800	11,700
Idaho Power Co.	34,800	27,600
Gooding Project	<u>105,500</u>	<u>83,700</u>
Total	225,700	179,000

"The amounts shown in the last column will be the total storage charged to each user for storage use thru June 21."

No objection or comment being received from anyone in reply to this statement the use of the 179,000 acre-feet of American Falls storage prior to June 22 was apportioned on the basis outlined.

The total net stored water passing the Blackfoot gaging station during 1955, in excess of repayment of natural flow temporarily diverted at times as storage by upstream canals, amounted to 117,780 acre-feet. This was a little greater than the 105,500 acre-feet in 1954 due to longer time period of storage use and to several rains that reduced water demands before appropriate cuts at Jackson Lake could become effective. After Palisades reservoir is built the storage discharge past Blackfoot can be reduced to lower figures than

have been possible in the past, due to one days less time interval between the reservoir and canal headings and to elimination of the effect of fluctuating inflow between Jackson Lake and Palisades due to variable weather conditions.

STORED WATER DELIVERIES

Storage allotments of Jackson Lake and American Falls reservoir space were made by the Bureau of Reclamation as shown in the following tabulation:

1955 Allotments in Acre-feet (Downstream order from Heise)

<u>Canal</u>	<u>American Falls</u>		<u>Jackson</u>	<u>Total</u>	
	<u>Owned</u>	<u>Lease</u>	<u>Lake</u>		
Poplar Irr. Dist.	190	79	2,072	2,341	
Progressive Irr. Dist.	3,531	997	16,163	20,691	31,971
Farmers Friend	0	0	2,000	2,000	11,000
Enterprise	2,524	1,200	17,651	21,375	50,000
Harrison	3,401	0	20,567	23,968	13,000
Rudy	749	1,513	5,430	7,692	5,500
Burgess	2,686	2,739	17,413	22,838	22,000
Lowder	0	0	1,040	1,040	1,000
Sunnydell Irr. Dist.	0	0	4,000	4,000	3,000
Lenroot	1,094	586	8,008	9,688	41,000
Reid	721	293	3,300	4,314	5,000
Dilts	250	67	1,147	1,464	2,000
Enterprise Irr. Dist.	2,882	0	13,189	16,071	5,000
Butte & Market Lake	1,320	6,611	6,041	13,972	20,000
Osgood (U.I.S.Co.)	3,807	3,134	17,423	24,364	6,000
Bear Island	54	29	247	330	1,000
Smith	20	0	92	112	1,000
Kennedy	0	0	355	355	2,000
Idaho	6,480	735	29,661	36,876	24,000
Martin	567	336	4,098	5,001	1,000
New Sweden	7,277	1,887	38,311	47,475	30,000
Woodville	1,710	196	7,828	9,734	12,000
Snake River Valley	7,457	0	49,135	56,592	21,000
Blackfoot	3,610	1,459	16,523	21,592	12,000
Peoples	6,057	3,354	35,723	45,134	10,000
Aberdeen	15,921	20,908	114,296	151,125	12,000
Corbett	961	178	4,396	5,535	4,000
Trego	371	0	1,701	2,072	1,000
Minidoka District	236,030	20,889	0	256,919	
Barley District	157,942	5,678	0	163,620	
Milner Low Lift	45,687	3,332	0	49,019	11,000

<u>Canal</u>	<u>American Falls</u>		<u>Jackson Lake</u>	<u>Total</u>	
	<u>Owned</u>	<u>Lease</u>			
Twin Falls Canal	151,185	0	97,183	248,368	202 7 06
Hillsdale Irr. Dist.	41,146	0	0	41,146	
N. S. Canal Co.	413,814	45,763	312,007	771,584	160 000
Gooding	400,000	0	0	400,000	6 3 13
Idaho Power Co.	45,000	0	0	45,000	
U. S.	0	13,593	0	13,593	2 5 00
Total	1,564,444	135,556	847,000	2,547,000	

The foregoing allotments are the same as in 1954 except for a permanent transfer of 276 acre-feet of American Falls space from the North Side Canal Company to the Aberdeen Canal. This was done by action of the American Falls Reservoir District to correct an error when some years ago it sold some water to the North Side Canal Co. that had been previously allocated to lands under the Aberdeen Canal.

The 13,593 acre-feet of American Falls leased space retained by the Government for the duration of the lease was rented to various canals as follows:

Upper Valley	12,545 acre-feet
Lower Valley	968 " "
Island Park	80 " "
Total	13,593 acre-feet

There was a pressing demand for additional water to rent and in order to help alleviate the situation the Twin Falls Canal Company very generously rented 20,762 acre-feet of which 4,500 acre-feet was from its American Falls water for use by the Milner Low Lift District and 16,262 acre-feet was from its Jackson Lake water for use by various upper valley canals.

There were also several rentals between upper valley canals the details of which are shown on Plate 14. The Government approved a rental rate of 30¢ per acre-foot, reservoir measurement, for rental

under the terms of the Palisades contracts and all rentals were made at this rate.

Allotments of Lake Walcott storage, gain Neeley to Milner, and inflow from Market Lake Springs are shown on Plate 14.

The supply and disposal of stored water during 1955 is shown in the following tabulation:

Supply and Disposal of Stored Water, 1955
(acre-feet)

Supply

Jackson Lake	July 3	847,230
American Falls	June 21	1,521,000
Lake Walcott	June 21	94,250
Island Park	July 7	134,235
Henrys Lake	July 18	78,100
Grassy Lake	July 18	15,180
American Falls Use	May 14 to June 21	179,000
Sheridan Creek right		1,928*
Market Lake Springs		1,061*
Gain Neeley to Milner (Minidoka Project)		72,480*
Gain Neeley to Milner (unallocated)		<u>16,150*</u>
Total		2,960,614

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

Disposal

Used by Snake River rights	2,100,796
Used by Henrys Fork rights	157,476
Transmission losses Snake River	55,129
Transmission losses Henrys Fork	4,370
Transmission losses Cross Cut Canal	1,470
Henrys Lake loss	1,450
American Falls reservoir loss, unallocated	4,100
Storage waste past Milner, unallocated	<u>1,526</u>
Holdovers:	
Jackson Lake Sept. 26	190,450
American Falls Sept. 28	262,000
Lake Walcott Sept. 30	93,392
Island Park Sept. 25	26,715
Henrys Lake Sept. 25	50,500
Grassy Lake Sept. 23	<u>11,240</u>
Total	2,960,614

No attempt was made to allocate the minor items of gain between

Neeley and Milner on days when the Minidoka project was not using stored water, American Falls reservoir loss, and operation waste pass Milner. The first one of these items in 1955 was more than sufficient to offset the other two.

RIVER LOSSES AND GAINS

Losses and gains between river stations are shown in the following tabulations for the months May to September, inclusive, using time intervals shown on Plate 15. These tabulations give an overall picture of conditions along the river that have an effect on water-supply.

Gain in Snake River, Moran to Heise, 1955
(Heise dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Total
Moran	2,946	61,223	184,540	161,050	102,762	512,521
Heise & Riley	266,958	432,091	371,401	272,557	188,605	1,531,612
Tot.gain s.f.	264,012	370,868	186,861	111,507	85,843	1,019,091
Mean gain s.f.	8,516	12,362	6,028	3,597	2,861	6,661
Tot.gain ac.f.	523,660	735,606	370,634	221,171	170,267	2,021,338

The seasons gain was 75% of the gain during the same months in 1954. The gain during July at the time of peak irrigation demand was only 64% of the gain in that month in 1954 requiring heavy storage draft from Jackson Lake. There were some minor fluctuations due to pondage in Palisades Reservoir that are not reflected in the above tabulation. On July 7 with water discharging through both tunnels Palisades reservoir held 1,680 acre-feet. After closing off the power tunnel Palisades reservoir rose 13 feet in height to 3,900 acre-feet contents on July 9. By the end of September the Lake contents had dropped to 920 acre-feet with all the water being discharged through one tunnel.

Gain in Snake River, Heise to Shelley, 1955
(Heise dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Total
Heise & Riley	266,958	432,091	371,401	272,557	188,605	1,531,612
Rexburg	79,870	78,530	38,966	43,366	37,858	278,590
Total Supply	346,828	510,621	410,367	315,923	226,463	1,810,202
Diversions	97,075	224,063	275,966	236,688	178,736	1,012,528
Shelley	255,100	303,150	167,420	120,320	78,990	924,980
Total Use	352,175	527,213	443,386	357,008	257,726	1,937,508
Tot.gain s.f.	5,347	16,592	33,019	41,085	31,263	127,306
Mean gain s.f.	172	553	1,065	1,325	1,042	832
Tot.gain ac.f.	10,605	32,910	65,493	81,491	62,010	252,509

The gain for the season was 63% of the gain during a similar period in 1954. Due to the backward spring the canals only diverted during May 48% as much water as in May 1954, thereby making a greatly reduced contribution to the adjacent ground water storage, which resulted in a decrease in ground water inflow during the season as compared to the preceding year. The average daily gain during July to September was 1,140 second-feet compared to 1,390 second-feet for the same months in 1954.

Gain or Loss in Snake River, Shelley to Blackfoot, 1955
(Shelley dates and 24-hr. sec.-ft. except as noted)
- is loss

Station	May	June	July	Aug.	Sept.	Total
Shelley	252,680	301,820	170,670	121,570	79,640	926,380
Blackfoot R.	2,248	2,216	1,180	844	992	7,480
Total Supply	254,928	304,036	171,850	122,414	80,632	933,860
Diversions	73,104	101,259	112,711	89,512	57,775	434,361
Blackfoot	170,560	203,390	63,691	38,045	29,128	504,814
Total Use	243,664	304,649	176,402	127,557	86,903	939,175
Tot.diff.s.f.	-11,264	613	4,552	5,143	6,271	5,315
Mean diff.s.f.	- 363	20	147	166	209	35
Tot.diff.ac.f.	-22,342	1,216	9,029	10,201	12,439	10,543

The average gain of 35 second-feet compares to a similar figure of 6 second-feet in 1954. The monthly gains and losses were about the same as in 1954 except for June. A substantial loss occurred

that month in 1954 compared to a slight gain in June 1955 due to the fact that maximum flows of about 24,000 second-feet were recorded in June 1954 with greater flooding over the porous gravel bars than occurred with the 10,000 second-feet peak flow in June 1955.

Gain or Loss in Snake River, Blackfoot to Neeley, 1955
(Neeley dates and 24-hr. sec.-ft. except as noted)
- is loss

Station	May	June	July	Aug.	Sept.	Total
Blackfoot	172,100	198,500	69,996	37,390	28,918	506,904
Inflow	87,506	82,601	82,259	83,034	80,768	416,168
Res. draft	67,054	68,567	217,800	227,883	146,712	728,016
Total supply	326,660	349,668	370,055	348,307	256,398	1,651,088
Diversions	30	80	124	124	50	408
Neeley	320,380	344,500	370,500	351,000	252,420	1,638,800
Total Use	320,410	344,580	370,624	351,124	252,470	1,639,208
Tot.diff.s.f.	-6,250	-5,088	569	2,817	-3,928	-11,880
Mean diff.s.f.	- 202	- 169	18	91	- 131	- 78
Tot.diff.ac.f.	-12,397	-10,092	1,129	5,587	-7,791	-23,564

The loss for the season was only about one-third of the similar loss in 1954. Several factors are probably responsible for this: mean temperatures were below normal at Pocatello in May 3.4° , June 2.1° and July 2.7° resulting in decreased evaporation losses during those months; the reservoir was drawn down to much lower levels in 1955 resulting in greater bank storage return and less water surface exposed to evaporation.

In future years it will often be possible to hold some American Falls reservoir water in Palisades which will make an appreciable saving in evaporation losses. Palisades reservoir when full only floods 16,000 acres compared to 56,000 acres flooded by American Falls reservoir; in other words, Palisades storage is in depth rather than flooded area.

In addition to only one-third as much flooded area exposed to evaporation at Palisades the rate of evaporation there per acre

flooded will be less due to higher elevation and more sheltered location as compared to the American Falls reservoir exposed to the full evaporating effect of winds on the Snake River plains.

Storage draft on American Falls reservoir began May 14, 1955, and the reservoir never refilled after that date. Reservoir losses May 14 to June 21, inclusive, are automatically absorbed in the method of apportioning storage used prior to June 22, which is described on pages 24 and 25. From June 22 to September 30 the net loss in the reservoir in excess of some slight bank storage return in July and August amounted to 4,100 acre-feet.

The ground water inflow to the reservoir averaged 2,617 second-feet during July, August and September, 1955, not significantly different from the 2,610 second-feet which occurred during those months in 1954. The large, above normal diversions by upstream canals during 1954 apparently contributed enough additional water to the ground water supply to offset additional use by new ground water pumping plants, if any, that might have gone into operation during the year.

Gain or Loss in Snake River, Neeley to Minidoka, 1955
(Minidoka dates and 24-hr. sec.-ft. except as noted)
- is loss

Station	May	June	July	Aug.	Sept.	Total
Neeley	319,280	344,500	370,200	351,300	254,510	1,639,790
Walcott release	-1,130	960	-1,750	670	1,550	300
Total Supply	318,150	345,460	368,450	351,970	256,060	1,640,090
Misc. diver.	50	90	124	124	50	438
N. Minidoka	39,951	38,778	49,760	43,990	28,396	200,875
S. Minidoka	31,866	32,948	38,796	35,114	25,548	164,272
Minidoka	247,350	272,490	278,010	269,410	202,440	1,269,700
Total Use	319,217	344,306	366,690	348,638	256,434	1,635,285
Tot.diff.s.f.	1,067	-1,154	-1,760	-3,332	374	-4,805
Mean diff.s.f.	34	- 38	- 57	- 107	12	- 31
Tot.diff.ac.f.	2,116	-2,288	-3,490	-6,609	742	-9,529

The calculated average daily loss of 31 second-feet compares with an average loss of 20 second-feet during the same period in 1954.

Gain in Snake River, Minidoka to Milner, 1955
(Milner dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Total
Minidoka	246,390	272,560	277,850	269,760	205,050	1,271,610
Misc. diver.	50	80	93	93	50	366
P. A.	1,490	1,920	2,107	2,210	1,719	9,446
Milner Low Lift	4,597	6,307	6,842	6,453	4,984	29,183
Gooding	70,550	76,260	77,800	76,080	62,150	362,840
No. Side	62,208	83,620	86,510	87,530	67,940	387,808
So. Side	94,220	102,260	110,690	113,570	85,660	506,400
Milner	22,067	12,262	6,116	527	240	41,212
Total Use	255,182	282,709	290,158	286,463	222,743	1,337,255
Tot. gain s.f.	8,792	10,149	12,308	16,703	17,693	65,645
Mean gain s.f.	284	338	397	539	590	429
Tot. gain ac.f.	17,439	20,131	24,413	33,130	35,094	130,207

The average daily gain for the season was 429 second-feet compared to 353 second-feet during the same period in 1954.

The losses and gains between Neeley and Milner prior to June 22 were automatically absorbed in the charges for storage use prior to that date as shown on pages 24 and 25.

From June 22 to September 30 the over-all gain from Neeley to Milner amounted to 88,630 acre-feet. Of this amount 72,480 acre-feet, representing the gain June 23-26, July 4 to September 19 when the Minidoka project was using stored water, was allotted as a credit to that project's stored water supply. The remaining gain of 16,150 acre-feet on days when storage was not being drawn by the Minidoka Project was unallotted and remained in the American Falls reservoir at the close of the season. All of the lower valley canals had some storage holdover on September 30, 1955, so there was no need of attempting to calculate how this small amount of unallocated gain might have been apportioned among them.

The calculated average daily loss of 31 second-feet compares with an average loss of 20 second-feet during the same period in 1954.

Gain in Snake River, Minidoka to Milner, 1955
(Milner dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Total
Minidoka	246,390	272,560	277,850	269,760	205,050	1,271,610
Misc. diver.	50	80	93	93	50	366
P. A.	1,490	1,920	2,107	2,210	1,719	9,446
Milner Low Lift	4,597	6,307	6,842	6,453	4,984	29,183
Gooding	70,550	76,260	77,800	76,080	62,150	362,840
No. Side	62,208	83,620	86,510	87,530	67,940	387,808
So. Side	94,220	102,260	110,690	113,570	85,660	506,400
Milner	22,067	12,262	6,116	527	240	41,212
Total Use	255,182	282,709	290,158	286,463	222,743	1,337,255
Tot. gain s.f.	8,792	10,149	12,308	16,703	17,693	65,645
Mean gain s.f.	284	338	397	539	590	429
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DISTRIBUTION ON HENRYS FORK

Melvin Luke continued during 1955 as deputy watermaster at St. Anthony in charge of water distribution on Henrys Fork, Fall River, and lower Teton River.

The flow of Fall River and Henrys Fork above Ashton, while slightly below normal, was better than other streams in District 36. The run-off on Teton River, however, was only 78% of normal, the lowest run-off on that stream since 1937, requiring the delivery of 22,120 acre-feet through the Cross Cut Canal to Teton River. This is 60% greater than the previous maximum delivery through the Cross Cut Canal. At times in 1955, however, small amounts of surplus water were carried through the Cross Cut and allowed to spill down Teton River to Henrys Fork to facilitate deliveries to the lowest canals on Teton River. This procedure resulted in no detriment to other users and merely meant that instead of spilling directly down Henrys Fork all the water required to pass the Rexburg gaging station for prior downstream rights a small portion of same was carried around through the Cross Cut Canal and thence down Teton River, keeping a little water flowing past the lowest canals on Teton River so that they wouldn't have to absorb so many operational fluctuations.

A heavy storage draft was made on Island Park reservoir, leaving 27,120 acre-feet in that reservoir on September 30, 1955, the lowest holdover since 1940.

Henrys Lake and Grassy Lake holdovers at the close of the 1955 season were purposely kept at a higher percent of capacity than the other reservoirs to insure their filling from run-off on their limited drainage areas if 1956 should prove to be a dry year. It

was necessary to draw some storage in 1955 from Grassy Lake to fill demands for water by Fall River canals, a situation that did not exist in 1954, although it did in 1953. Storage draft from the Henrys Fork reservoirs started on the following dates: Island Park July 7, Henrys Lake July 18, Grassy Lake July 18. Combined holdovers in these three reservoirs on September 30, 1955, amounted to 88,770 acre-feet compared to 124,670 acre-feet on the same date in 1954.

The usual methods of segregating stored water and natural flow at the reservoir outlets as described in the 1953 and earlier reports were continued in use during 1955.

Figures showing operation of the Cross Cut Canal are given on Plate 23-A. This canal delivered water to Teton River June 11-13, June 23 to August 19, and September 13-26. It supplied water to the Fall River laterals July 13 to September 29. The transmission loss on the water carried to Teton River was about 7.5% during the 1955 period of delivery. This canal picks up quite a little drainage and waste water at times which acts to off-set the loss that would otherwise be calculated.

Measurements of various streams in the Island Park region were made by H. C. Eagle when he made several trips into that area for the purpose of regulation. Some of the landowners there have water in the Fremont-Madison Irrigation District but there are a few who still find it necessary to rent small amounts of storage each year.

Miscellaneous Measurements in Island Park, 1955

	<u>July 21</u> (second-feet)	<u>Aug. 8</u>
Sheridan Creek above diversions	29.8	27.6
Morain Creek (estimated)	3.0	-
Sheridan Creek at highway 22	17.6	9.4
North Railroad ranch diversion	3.0	1.0
South Railroad ranch diversion	5.5	2.0
Sheridan Creek above reservoir	4.0	4.0
Icehouse Creek at Forest road	12.0	-
Icehouse Creek at Highway 22	10.0	10.0
Grubb diversion from Icehouse Creek	1.0	1.0
Willow Creek at Forest road (3 branches)	8.0	5.0
Richards diversion from Howard Creek	2.0	1.0
Salisbury diversion from Howard Creek	4.0	3.0
Finlay diversion from Targhee Creek	3.0	-
Salisbury diversion from Targhee Creek (2 ditches)	7.0	6.0

Henrys Lake Inflow

	<u>July 21</u>	<u>Aug. 1</u>
Howard Creek below diversions	0.5	0.5
Targhee Creek below diversions	2.0	1.0
Timber Creek	2.0	1.0
Springs near Pittsburg Club	3.0	2.0
Springs (Webster place)	4.0	3.0
Duck Creek at road	<u>15</u>	<u>10.0</u>
Total	26.5	17.5

There is additional unmeasurable inflow from ground water that enters Howard Creek and Henrys Lake in the vicinity of the mouth of Howard Creek, apparently mostly return flow from irrigation use on Howard and Targhee Creeks.

Henrys Lake Allotment 1955

July 18, Contents	78,100 acre-feet
estimated dead storage and loss	<u>3,000 " "</u>
Available for allotment	75,100 acre-feet

Allotted

Dewey	1.43%	1,080	acre-feet
Last Chance	13.87	10,400	" "
St. Anthony Union	6.8	5,110	" "
Salem Union	24.2	18,200	" "
Egin	6.8	5,110	" "
Independent	26.8	20,100	" "
Consolidated Farmers	<u>20.1</u>	<u>15,100</u>	" "
	100.0	75,100	acre-feet

Between July 18 when storage draft started from Henrys Lake and September 30, the Lake contents decreased 27,700 acre-feet according to the capacity table. During the same period the amount of stored water discharged past the outlet station, according to measurements and estimates of the inflow, amounted to 26,250 acre-feet. This shows a loss in the Lake during the above period of 1,450 acre-feet compared to 1,600 acre-feet loss in 1954.

Fremont-Madison District Allotment, 1955

Island Park	July 7	134,235	acre-feet
Grassy Lake	July 18	15,180	" "
Sheridan Creek right		<u>1,928</u>	" "
Total		151,343	acre-feet

With the overflow spilling at Island Park and outlet gates closed, the reservoir level on the day regulation begins is determined by the amount of inflow to the reservoir at that time. The Island Park storage allotment thus varies from year to year, being taken as the reservoir contents on the day that the gates are first opened to begin storage release.

In 1955 the District allotted 133,762 acre-feet to its landowners, including 10% excess allotment to canals needing same, as their share of unsold space. It also rented 10,820 acre-feet to landowners needing more water than their allotment, making a total allocation of 144,582 acre-feet.

Snake River storage water allocated in 1955 for use through exchange for natural flow by Henrys Fork users was as follows:

Enterprise Irrigation District	16,071 acre-feet
U. S. rented American Falls lease space	<u>80</u> " "
Total	16,151 acre-feet

Allowing for 7.26% transmission loss on water from Jackson Lake charged to upper valley users this would be equivalent to 14,977 acre-feet at the Rexburg gaging station. As shown on Plate 21 under the storage tabulation at the Rexburg station there was a total of 11,256 second-feet or 22,326 acre-feet of Snake River water used on Henrys Fork, so that at the close of the 1955 season there were 7,349 acre-feet, Rexburg measurement, of American Falls storage water being retained in the three Henrys Fork reservoirs.

There were about 10,000 acre-feet of Island Park water being held in Henrys Lake on September 30, 1955 due to filling Henrys Lake rights of that amount temporarily during the season from unused Island Park water. This practice permits greater holdovers at Henrys Lake than would otherwise be the case. The Island Park reservoir will usually fill to capacity each year whereupon the extra holdover at Henrys Lake helps to fill that lake to capacity if a short water year occurs.

Diversions during 1955 irrigation season from
Fall River, Henrys Fork and Lower Teton River

Canal	Diversions (acre-feet)	Area Irrigated (acres)	Acre-feet per acre
<u>Fall River Canals</u>			
Yellowstone	2,090	1,000	2.1
Marysville	38,600	15,000	2.6
Farmers Own	12,500	4,800	2.6
Almy	326	80	4.1
Enterprise	34,700	5,920	5.9

Diversions during 1955 irrigation season - continued

Canal	Diversions (acre-feet)	Area Irrigated (acres)	Acre-feet per acre
<u>Fall River Canals - continued</u>			
Bell	1,370	320	4.3
Fall River	88,000 (a)	9,000	9.8
McBee	435	90	4.8
Chester	11,300	1,350	8.4
Silkey	3,060	680	4.5
Cur	7,720	1,300	5.9
Total Fall River	200,101	39,540	5.1

(a) Includes 21,600 acre-feet diverted through Cross Cut

Henrys Fork Canals

Dewey	4,640	1,000	4.6
Last Chance	22,000	1,850	11.9
St. Anthony Union	134,700	9,700	13.9
Farmers Friend	30,100	2,800	10.7
Twin Groves	32,000	2,600	12.3
Salem Union	50,200	5,700	8.8
Egin	79,600	6,000	13.3
St. Anthony U. Feeder	32,400	2,300	14.0
Independent	74,100	7,000	10.6
Consolidated Farmers	53,200	6,000	8.9
Total Henrys Fork	512,940	44,950	11.4

Lower Teton Canals

Siddoway	3,060	500	5.1
Wilford	25,300	2,500	10.1
Teton Irrigation	20,100	2,000	10.0
Good Luck	3,020	400	7.5
Pioneer	2,220	300	7.4
Stewart	4,540	400	11.3
Pincock-Byington	2,690	400	6.7
Pincock-Garner	3,970	480	8.3
Teton Island Feeder	82,000	10,400	7.9
Roxana	3,300	720	4.6
Island Ward	6,550 (b)	3,000	2.2
Woodmansee-Johnson	3,730 (c)	1,300	2.9
City of Rexburg	6,870	1,200	5.7
Rexburg Irrigation	48,300	5,280	9.1
McCormick Rowe	1,050	160	6.6
Saurey Sommers	3,250	400	8.1
Gardner	575	200	2.9
Eames Thompson	266	160	1.7
Total Lower Teton	220,791	29,800	7.4

Total Fall River, Henrys Fork and lower Teton	933,832	114,290	8.2
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(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 the above canals in 1955 were 68,700 acre-feet less than in 1954, largely the result of weather conditions but affected also by a low run-off on Teton River. Largely due to increased diversion by the Independent Canal the group of Egin bench canals diverted more water in 1955 than in 1954 or any previous years, but nearly all of remaining canals used less water in 1955. A discussion of possible reasons for the increasing use of water on Egin bench appears on page 23.

The total diversions by some of the larger canals in the head-water areas for the 1955 irrigation season (May 15 to September 30) appear below:

Canal	Diversions (acre-feet)	Area Irrigated (acres)	Acre-feet per acre
String Canal	11,800	2,400	4.9
Trail Creek Irrig.	27,500	5,500	5.0
Fox Creek Canals	13,000	3,800	3.4
Darby Creek Canals	19,000	4,900	3.9
Grand Teton	29,200	6,500	4.5
Canyon Creek	4,400	2,200	2.0
Conant Creek	4,800	2,000	2.4
Squirrel Creek	1,570	500	3.2
Boom Creek	1,220	400	3.0

River gains in Henrys Fork Basin, 1955

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, 1955

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

Station	May	June	July	Aug.	Sept.	Total
Lake	970	3,305	5,145	8,415	2,955	20,790
I. P. release	-1,062	328	21,004	22,126	11,367	53,763
Total Supply	- 92	3,633	26,149	30,541	14,322	74,553
Island Park	28,085	26,165	41,554	45,571	28,549	169,924
Tot. gain s.f.	28,177	22,532	15,405	15,030	14,227	95,371
Mean gain s.f.	909	751	497	485	474	623
Tot. gain ac.f.	55,888	44,691	30,555	29,812	28,219	189,165

The average gain for the season was exactly the same as in 1954.

Gain in Henrys Fork, Island Park to Ashton, 1955

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

Station	May	June	July	Aug.	Sept.	Total
Island Park	27,807	26,285	40,650	46,251	28,949	169,942
Ashton	68,320	57,900	60,710	67,740	46,656	301,326
Tot. gain s.f.	40,513	31,615	20,060	21,489	17,707	131,384
Mean gain s.f.	1,307	1,054	647	693	590	859
Tot. gain ac.f.	80,357	62,708	39,788	42,623	35,121	260,597

The average gain was 52 second-feet or about 6% less than in 1954. Most of the deficiency occurred in July and September.

Gain in Henrys Fork, Ashton to St. Anthony, 1955

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

Station	May	June	July	Aug.	Sept.	Total
Ashton	68,132	58,008	60,568	67,888	46,762	301,358
Chester	50,011	55,731	9,681	2,947	4,481	122,851
Total Supply	118,143	113,739	70,249	70,835	51,243	424,209
Diversions	30,321	38,746	39,385	31,490	20,955	160,897
St. Anthony	88,700	78,540	38,291	43,130	36,250	284,911
Total Use	119,021	117,286	77,676	74,620	57,205	445,808
Tot. gain s.f.	878	3,547	7,427	3,785	5,962	21,599
Mean gain s.f.	28	118	240	122	199	141
Tot. gain ac.f.	1,741	7,035	14,731	7,507	11,825	42,839

The average gain was 27 second-feet greater than in 1954. The gain in this section has been increasing a little each year for the past three years, perhaps due to a gradual upbuilding of the tributary

ground water levels. Diversions in 1955 from Fall River, however, were substantially less than in 1954 on account of which the gain in 1956 may decrease.

Gain in Fall River, Squirrel to Chester, 1955

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

Station	May	June	July	Aug.	Sept.	Total
Squirrel	45,537	68,603	24,780	13,202	12,289	164,411
Diversions	4,367	21,693	18,963	13,878	10,570	69,471
Chester	50,324	55,510	9,472	2,961	4,508	122,775
Tot. use s.f.	54,691	77,203	28,435	16,839	15,078	192,246
Tot. gain s.f.	9,154	8,600	3,655	3,637	2,789	27,835
Mean gain s.f.	295	287	118	117	93	182
Tot. gain ac.f.	18,156	17,058	7,249	7,213	5,532	55,208

The average gain for the season was 19 second-feet greater than in 1954. The headwaters of Fall River was the only drainage basin on the Snake River watershed where the April 1, 1955 snow on ground was above normal.

Gain in Teton River, Tetonia to St. Anthony, 1955

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

Station	May	June	July	Aug.	Sept.	Total
Tetonia	8,327	13,815	13,187	11,249	8,819	55,397
Cross Cut Inflow	0	1,755	5,294	2,766	1,335	11,150
Total Supply	8,327	15,570	18,481	14,015	10,154	66,547
St. Anthony	28,189	43,180	29,540	20,832	15,845	137,586
Tot. gain s.f.	19,862	27,610	11,059	6,817	5,691	71,039
Mean gain s.f.	641	920	357	220	190	464
Tot. gain ac.f.	39,396	54,764	21,935	13,521	11,287	140,903

Reflecting short snowfall and run-off on Teton River the average gain was less than in 1954 by 62 second-feet or 12%.

Gain in Henrys Fork, and Teton River, St. Anthony to Rexburg, 1955

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

Station	May	June	July	Aug.	Sept.	Total
Teton R.	28,189	43,180	29,540	20,832	15,845	137,586
Henrys Fork	88,700	78,540	38,291	43,130	36,250	284,911
Total Supply	116,889	121,720	67,831	63,962	52,095	422,497
Teton diver.	13,129	31,669	29,040	20,561	16,953	111,352
H.Fk. diver.	29,333	31,368	25,040	20,306	14,748	120,795
Rexburg	80,510	78,195	38,506	43,431	37,973	278,615
Total Use	122,972	141,232	92,586	84,298	69,674	510,762
Tot. gain s.f.	6,083	19,512	24,755	20,336	17,579	88,265
Mean gain s.f.	196	650	799	656	586	577
Tot. gain ac.f.	12,066	38,702	49,101	40,335	34,867	175,071

The average gain was less than in 1954 by 32 second-feet or 5%.

This was probably due to the fact that May 1955 diversions from Teton River were only about 50% of those in May 1954.

TETON BASIN

C. D. Cooper, with office at Driggs, again acted as deputy watermaster on the upper Teton River and tributaries.

Due to cold weather there was but little water used in this section prior to about May 23. Run-off in June was generally adequate to supply the irrigation demands with the maximum stream flows occurring around June 23.

The July to September run-off was somewhat below normal but still was not as low as it has been in some past years. The type of agriculture practiced in Teton Basin has of necessity, become adjusted to the available water supply, namely a fairly good supply up until early in July then meagre flows during the late summer. During recent years there have been a few ground water pumping installations in that area to supplement the surface stream flows after the snow has melted. This type of development there may expand on a greater scale

if power ever becomes locally available at rates comparable to pumping rates in the Snake River Valley, as a considerable area could be irrigated during the low water period with lifts of not over 100 feet.

Water distribution between Wyoming and Idaho users, principally on Teton Creek, was made under the terms of the 1940 Wyoming Federal Court decree.

Stored water diversions in Teton Basin, through exchange for natural flow, were made on the established basis of diverting 1.625 times the amount of storage delivered through the Cross Cut Canal to lower Teton River.

Teton Basin waterusers were allotted 7,090 acre-feet of Fremont-Madison water which includes a 10% allowance over actual ownership for canals needing same, as their share of unsold water held by the District. In addition thereto 1,120 acre-feet were rented to various users in excess of the regular allotments, making a total of 8,210 acre-feet reservoir measurement, which is equivalent to 11,660 acre-feet headgate diversion, after allowing for transmission losses and the 1.625 to 1 delivery schedule.

The canals actually diverted 9,188 acre-feet, the deficient deliveries being on Teton, North Leigh, South Leigh and Spring Creeks where the waterusers as a group own more storage water than is usually available for delivery. On Trail Creek the opposite is true and users on that stream often can use more storage than they own and are obliged to rent additional amounts. The discharge of various streams and canals in Teton Basin is shown on Plates 24, 45 and 46.

Mr. Seth Hansen of Tetonia again served as special deputy in the South Leigh-Spring Creek section on an hourly basis for time actually

worked. One-half of the cost of his services, amounting to \$224, was charged to the local users as a special expense and an equal amount was charged as part of the general expense of District No. 36. The lack of suitable headgates on South Leigh Creek makes it next to impossible to regulate that stream satisfactorily and something will have to be done to improve the situation.

Mr. Cooper was obliged to return at the end of August to his position as school teacher at Rexburg, but continued to visit Teton Basin week-ends until the middle of September and with the assistance of the local canal watermasters was able to handle the water distribution after September 1st satisfactorily.

SWAN VALLEY

F. S. Thomas again served as deputy watermaster in the Swan Valley section. He also acted as canal watermaster on several canals whose waterusers paid a special charge of \$5.00 per day, or \$595 total, the balance of his expense being charged as a general expense of District No. 36. Stored water rentals in this section amounted to 1,251 acre-feet or about 1,000 acre-feet greater than in 1954 due to cuts to earlier priorities for longer periods. Several of the local tributary streams, especially Rainey and Indian Creeks, receded to quite low flows in the late summer of 1955.

Results of measurements by Mr. Thomas are shown on Plate 24.

PRECIPITATION IN INCHES
(Actual and normal for year ending September 30, 1955)

Month	<u>Snake R.</u>		<u>Moran</u>		<u>Jackson</u>		<u>Bedford</u>		<u>Irwin</u>	
	<u>Act.</u>	<u>Nor.</u>	<u>Act.</u>	<u>Nor.</u>	<u>Act.</u>	<u>Nor.</u>	<u>Act.</u>	<u>Nor.</u>	<u>Act.</u>	<u>Nor.</u>
Oct.	1.03	2.02	.92	1.62	.52	1.24	1.24	1.66	.97	1.26
Nov.	1.78	2.85	.73	1.85	.82	1.08	1.21	1.51	.63	1.15
Dec.	3.26	3.19	2.00	1.96	1.36	1.50	1.39	1.74	.79	1.25
Jan.	2.63	3.96	1.53	2.29	.73	1.55	1.86	1.95	1.84	1.42
Feb.	3.80	3.14	1.71	2.20	.80	1.52	1.16	1.73	.73	1.15
Mar.	4.70	3.41	2.94	2.08	1.04	1.34	2.03	1.74	.88	1.14
Apr.	2.00	2.17	1.36	1.72	.32	1.29	2.36	1.58	.26	1.06
May	2.79	2.41	2.16	1.87	1.13	1.71	2.00	2.08	1.47	1.67
June	2.85	2.45	2.40	1.80	1.30	1.39	2.74	1.78	2.02	1.53
July	1.05	1.50	1.39	1.15	.65	.88	1.12	.95	.88	.97
Aug.	1.46	1.56	.62	1.35	.90	1.36	2.00	1.17	2.15	.87
Sept.	1.05	1.80	1.42	1.71	1.78	1.50	1.26	1.33	1.71	1.18
Year	28.40	30.46	19.18	21.60	11.35	16.36	20.37	19.22	14.33	14.65

Month	<u>Ashton</u>		<u>Idaho Falls</u>		<u>Pocatello</u>		<u>Twin Falls</u>		<u>Av. 9 Stas.</u>	
	<u>Act.</u>	<u>Nor.</u>	<u>Act.</u>	<u>Nor.</u>	<u>Act.</u>	<u>Nor.</u>	<u>Act.</u>	<u>Nor.</u>	<u>Act.</u>	<u>Nor.</u>
Oct.	.34	1.28	.61	.98	1.07	1.04	.70	.91	.82	1.33
Nov.	2.00	1.30	.53	.79	.51	1.06	.31	1.08	.95	1.41
Dec.	1.43	1.64	.53	1.06	.45	1.14	.75	.90	1.33	1.60
Jan.	1.23	1.88	.45	1.31	.57	1.21	.61	1.10	1.27	1.85
Feb.	2.43	1.52	.79	.97	1.04	.93	.61	.88	1.45	1.56
Mar.	1.04	1.21	.21	1.08	.49	1.13	.64	.85	1.55	1.55
Apr.	.94	1.16	.33	.94	1.70	1.32	1.09	1.11	1.15	1.37
May	1.29	1.71	1.13	1.24	.76	1.21	1.22	1.03	1.55	1.66
June	1.22	1.66	1.85	1.21	1.30	1.02	1.17	.81	1.87	1.52
July	.85	.94	.40	.62	.31	.76	.27	.35	.77	.90
Aug.	1.43	.79	.98	.59	.55	.72	.06	.22	1.13	.96
Sept.	.27	1.12	.30	.82	.29	.90	.23	.57	.92	1.21
Year	14.47	16.21	8.11	11.61	9.04	12.44	7.66	9.81	14.76	16.92

The year's precipitation was extremely variable in relation to normal at different points, ranging from 5% above normal at Bedford in Salt River Valley to 70% of normal at Idaho Falls and Jackson. On an average at the nine measuring stations the precipitation was 87% of normal during the 1955 water year. 1941 was the last year when the annual precipitation at Idaho Falls was above normal, altho there have been many years from 1941 to date when the precipitation in the mountains and the river run-off have been above normal.

EXPENDITURES DURING YEAR ENDING DECEMBER 31, 1955

Engineers and Hydrographers

Lynn Crandall	Salary 1 year	\$9,902.40
Henry C. Eagle	Salary 1 year	7,198.54
Melvin Luke	Salary 5 months @ \$325 mo.	1,625.00
C. D. Cooper	Salary 3.54 mo. @ \$300 mo.	1,062.00
A. H. Bush	Salary 3.05 mo. @ \$300 mo.	914.00
Oleen Dummer	Salary 5.38 mo. @ \$300 mo.	1,615.00
R. H. Seymour	Salary 3 days @ \$ 14 day	42.00

Clerk

Charlotte M. Elg	Salary 1 year	4,013.64
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River Riders

D. R. Anthony	98 days @ \$9.50 incl. mileage	931.00
Gale M. Bramwell	98 days @ \$9.50 incl. mileage	931.00
R. W. Milligan	42 days @ \$10.50 incl. mileage	441.00
C. J. Anderson	98 days @ \$9.25 incl. mileage	906.50
F. S. Thomas	119 days @ \$14.00 incl. mileage	1,666.00
Elmer Lenz	2.97 mo. @ \$75.00 incl. mileage	222.58
Joe Bohi	101 days @ \$10.00 incl. mileage	1,010.00
S. B. Garrett	80 days @ \$10.00 incl. mileage	800.00
Seth Hansen	216 hrs. @ \$ 2.00 incl. mileage	432.00

Miscellaneous

Transportation, 44,611 miles @ 7¢ a mile	3,122.77
Telephone and telegraph	501.81
Supplies and Equipment	1,643.63
Gage Readers	642.70
Bond Premium and Insurance	127.50
Interest	150.50
Social Security	201.59
Construction and Repairs	752.64
Miscellaneous (Subsistence)	562.32
Ground Water Investigations	1,500.00
Postage	302.56
Witnesses at Hells Canyon hearings in Washington, D. C.	<u>1,259.34</u>

Total	\$ 44,480.02
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Expenditures from various funds

Waterusers Funds	
State of Idaho Stream Gaging Fund	\$ 25,976.67
U. S. Geological Survey	3,306.93
U. S. Bureau of Reclamation	11,103.95
	<u>4,092.47</u>
Total	\$ 44,480.02

In addition to the foregoing, upper valley members of the Committee of Nine were paid \$879.33 for services at \$10.00 per day, and expenses, which was pro-rated among upper valley canals.

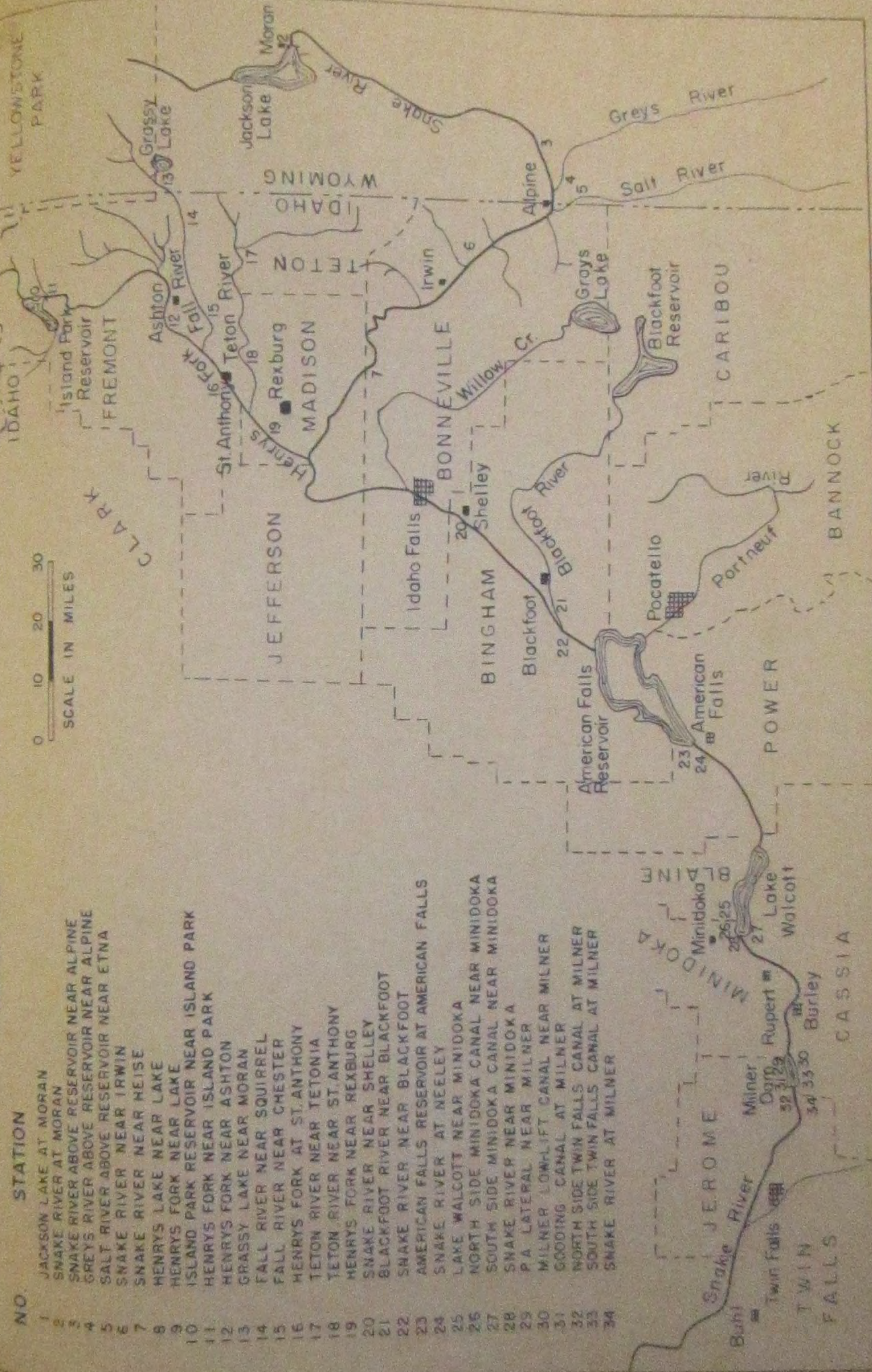
Funds on hand January 1, 1956

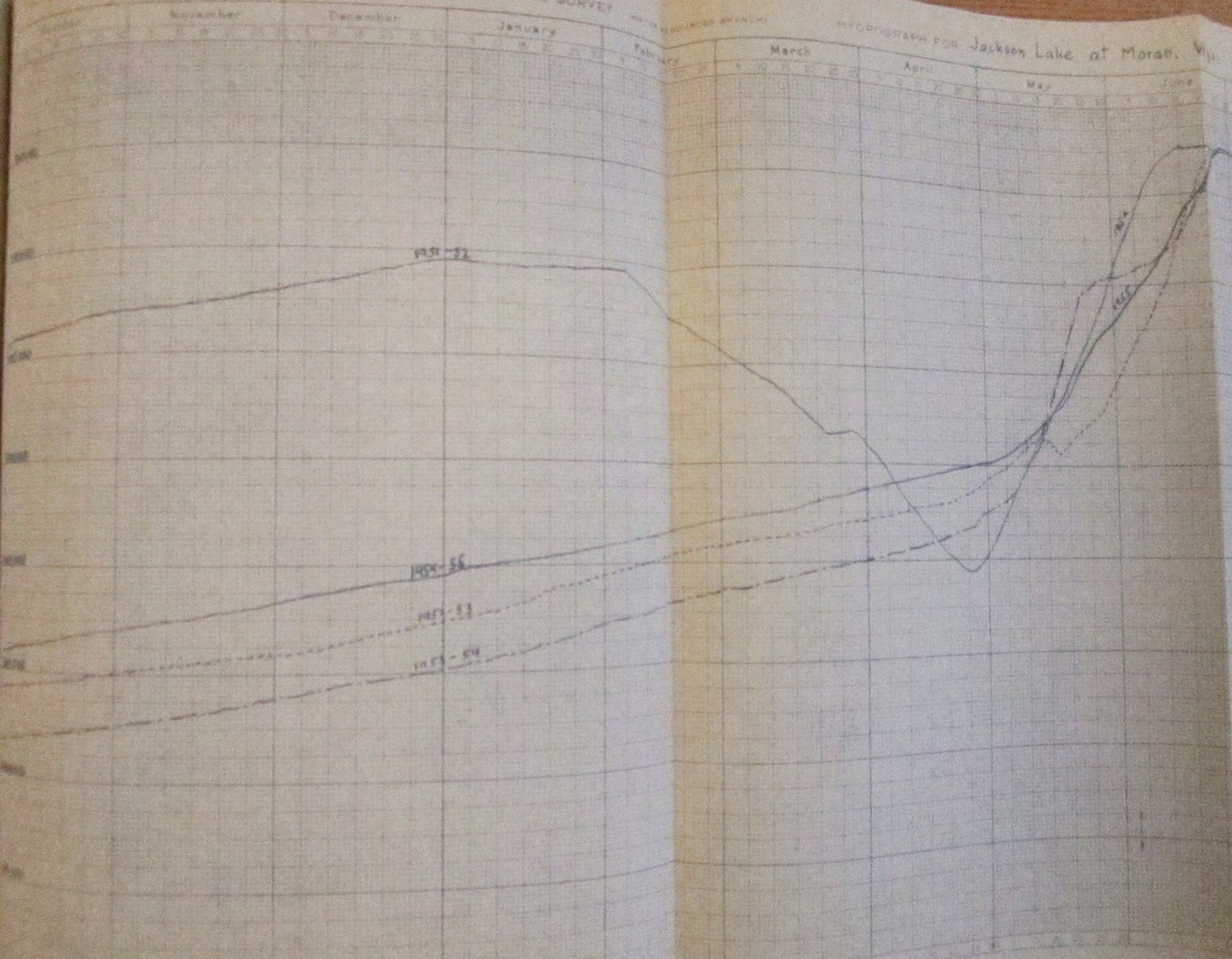
District 36 Waterusers Fund	\$ 11,412.32
State of Idaho Stream Gaging Fund	1,672.77
U. S. Geological Survey funds	3,428.53
U. S. Bureau of Reclamation Funds	<u>2,037.90</u>
Total	\$ 18,551.52

PRINCIPAL STREAMS AND GAGING STATIONS WATER DISTRICT NO. 36

- | NO. | STATION |
|-----|--|
| 1 | JACKSON LAKE AT MORAN |
| 2 | Snake River at MORAN |
| 3 | Snake River ABOVE RESERVOIR NEAR ALPINE |
| 4 | GREYS RIVER ABOVE RESERVOIR NEAR ALPINE |
| 5 | SALT RIVER ABOVE RESERVOIR NEAR ETNA |
| 6 | Snake River NEAR IRWIN |
| 7 | Snake River NEAR HEISE |
| 8 | Snake River NEAR LAKE |
| 9 | HENRYS LAKE NEAR LAKE |
| 10 | HENRYS FORK NEAR LAKE |
| 11 | ISLAND PARK RESERVOIR NEAR ISLAND PARK |
| 12 | HENRYS FORK NEAR ASHTON |
| 13 | HENRYS FORK NEAR MORAN |
| 14 | FALL RIVER NEAR SQUIRREL |
| 15 | FALL RIVER NEAR CHESTER |
| 16 | HENRYS FORK AT ST. ANTHONY |
| 17 | TETON RIVER NEAR TETONIA |
| 18 | TETON RIVER NEAR ST. ANTHONY |
| 19 | HENRYS FORK NEAR REXBURG |
| 20 | Snake River NEAR SHELLEY |
| 21 | BLACKFOOT RIVER NEAR BLACKFOOT |
| 22 | Snake River NEAR BLACKFOOT |
| 23 | AMERICAN FALLS RESERVOIR AT AMERICAN FALLS |
| 24 | Snake River AT NEELEY |
| 25 | LAKE WALCOTT NEAR MINIDOKA |
| 26 | NORTH SIDE MINIDOKA CANAL NEAR MINIDOKA |
| 27 | SOUTH SIDE MINIDOKA CANAL NEAR MINIDOKA |
| 28 | Snake River NEAR MINIDOKA |
| 29 | P. A. LATERAL NEAR MILNER |
| 30 | MILNER LOW-LIFT CANAL NEAR MILNER |
| 31 | GOODING CANAL AT MILNER |
| 32 | NORTH SIDE TWIN FALLS CANAL AT MILNER |
| 33 | SOUTH SIDE TWIN FALLS CANAL AT MILNER |
| 34 | Snake River AT MILNER |

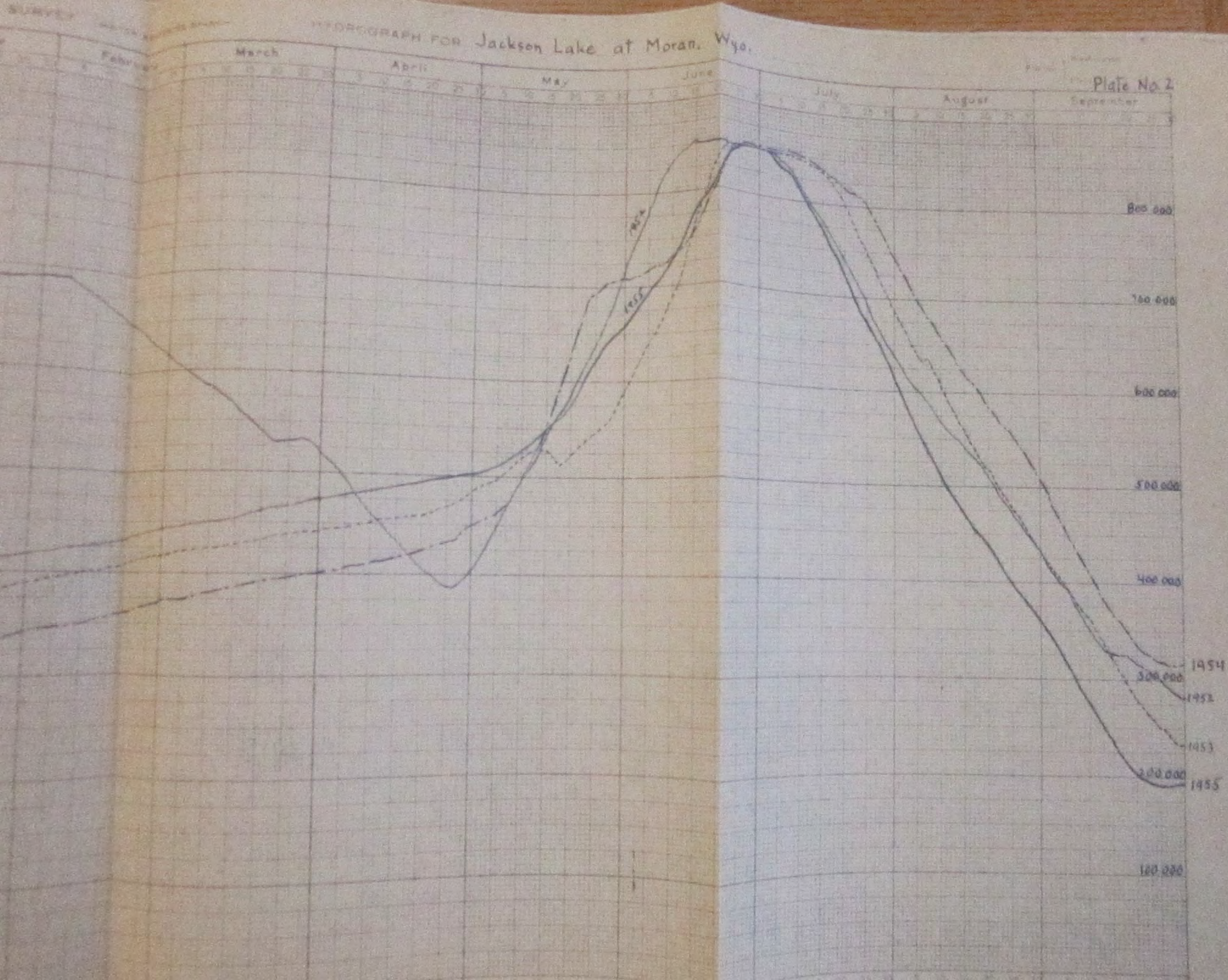
0 10 20 30
SCALE IN MILES





HYDROGRAPH FOR Jackson Lake at Moran, Wyo.

Plate No. 2



November

December

January

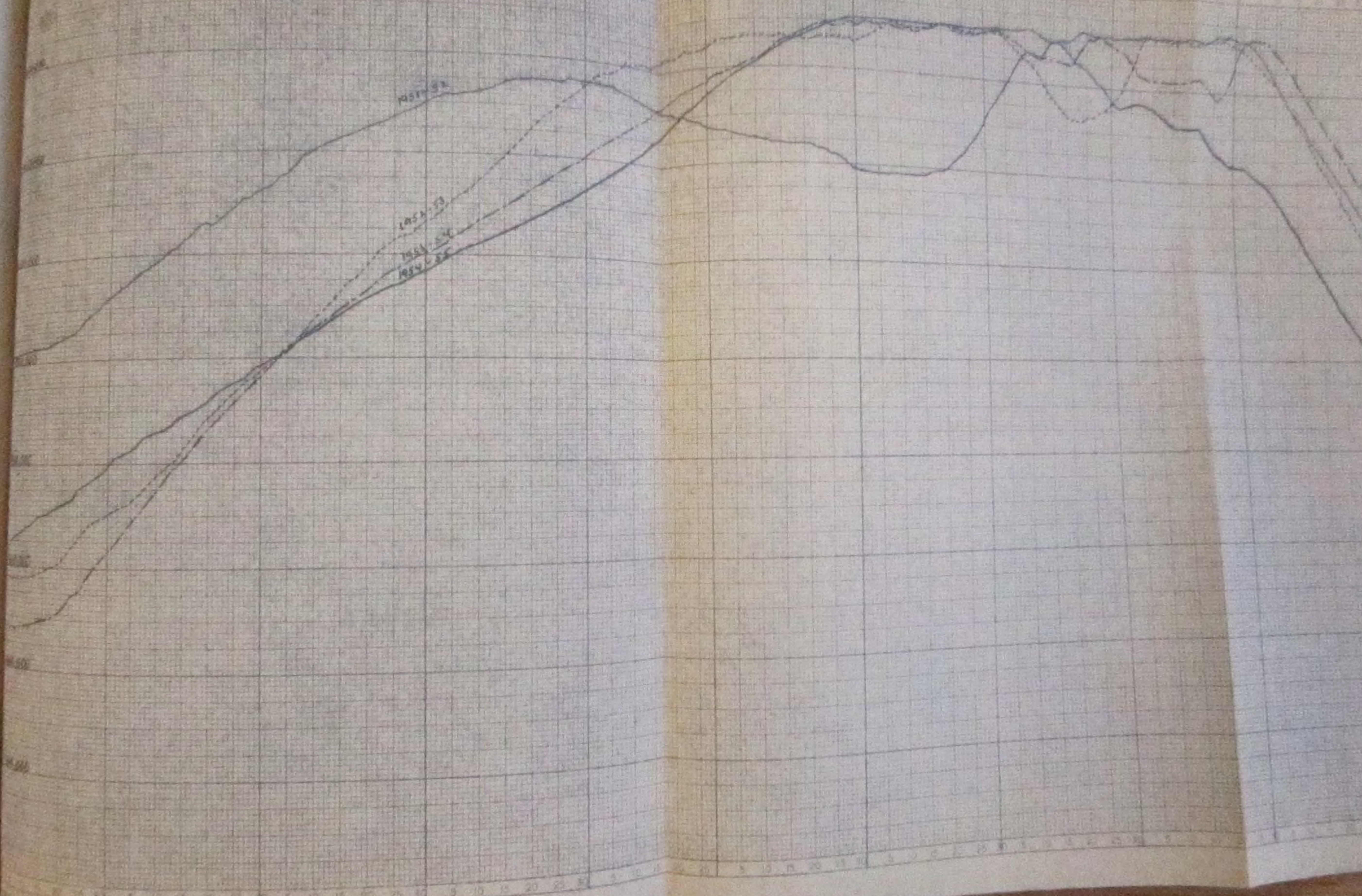
February

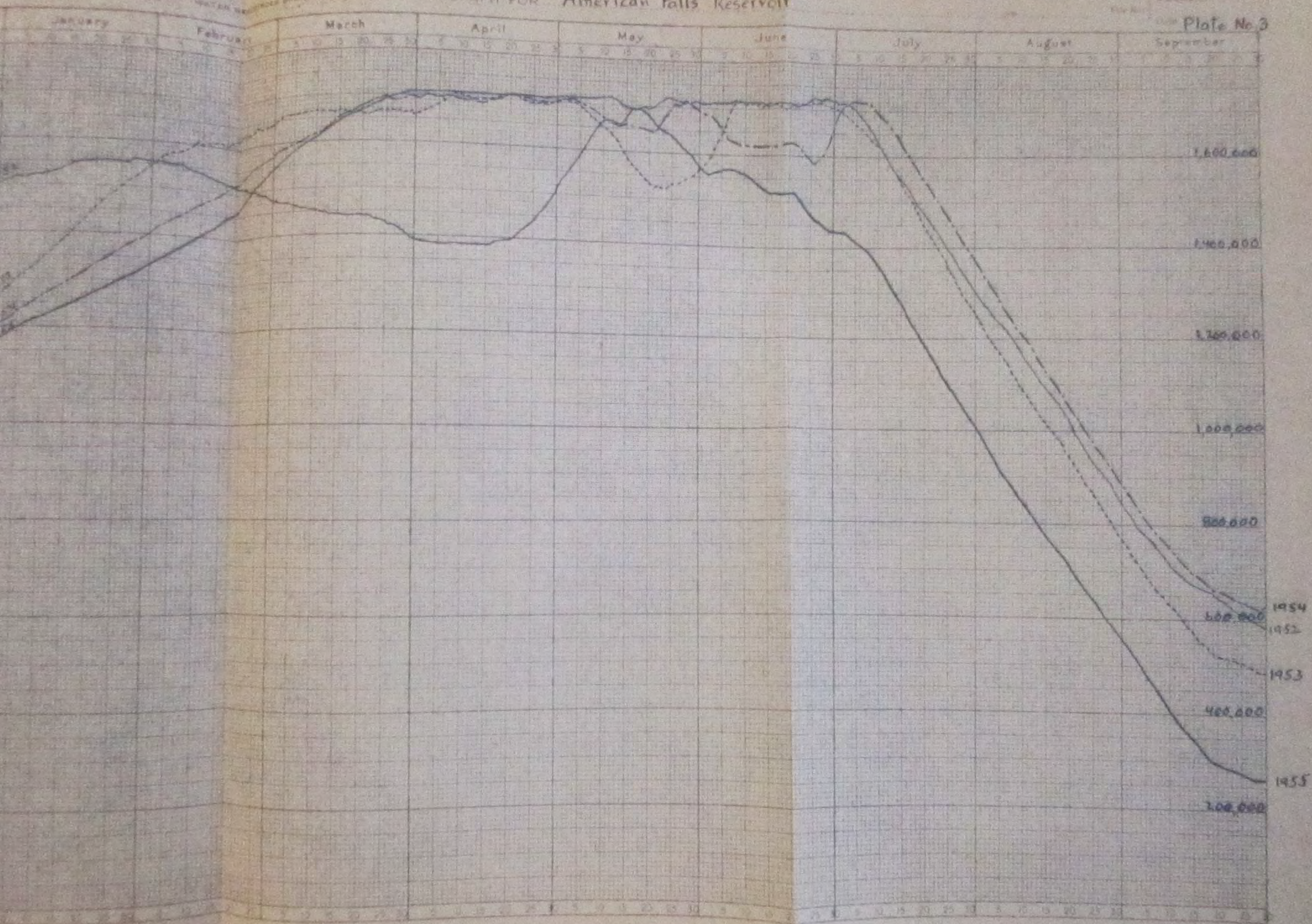
March

April

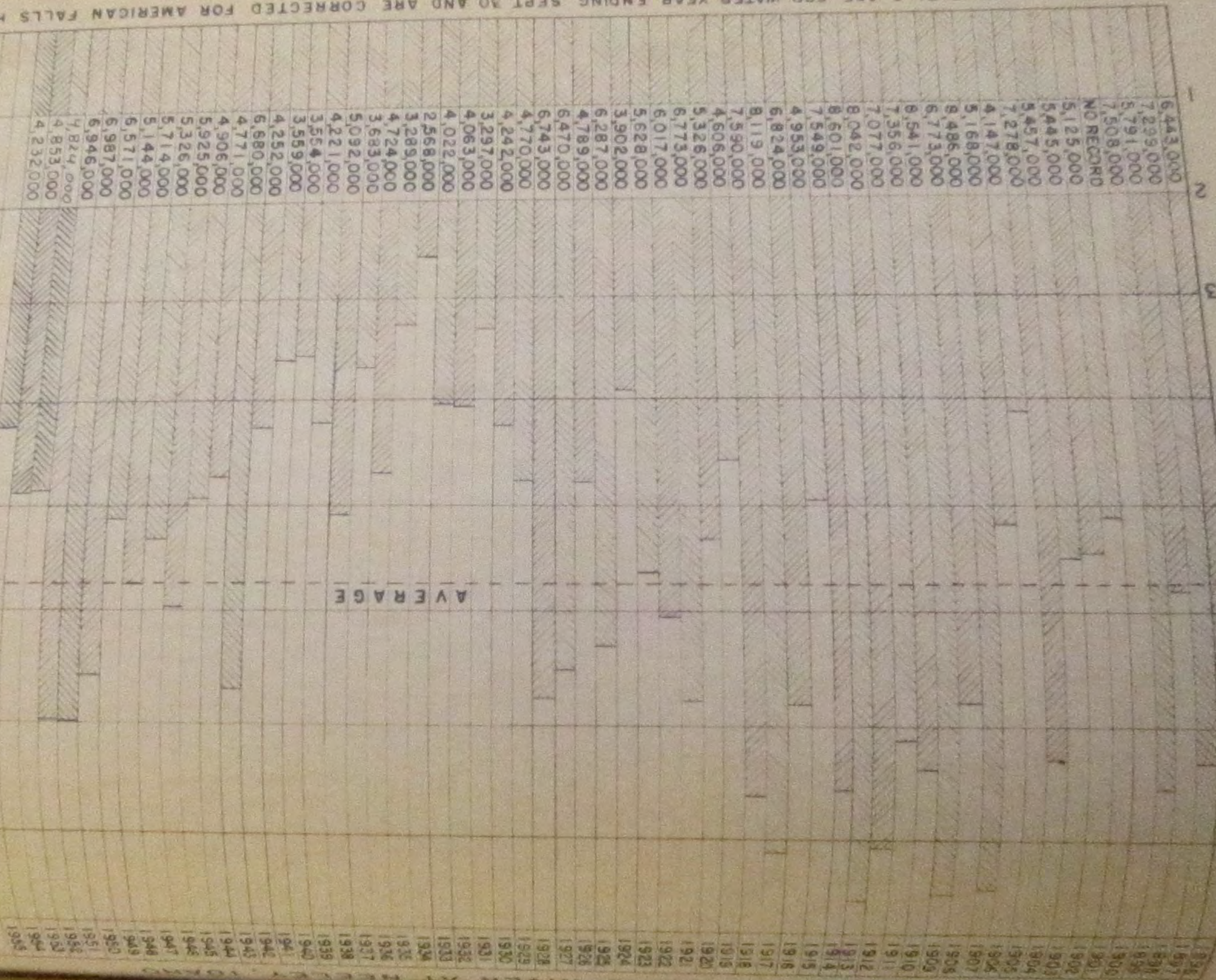
May

June





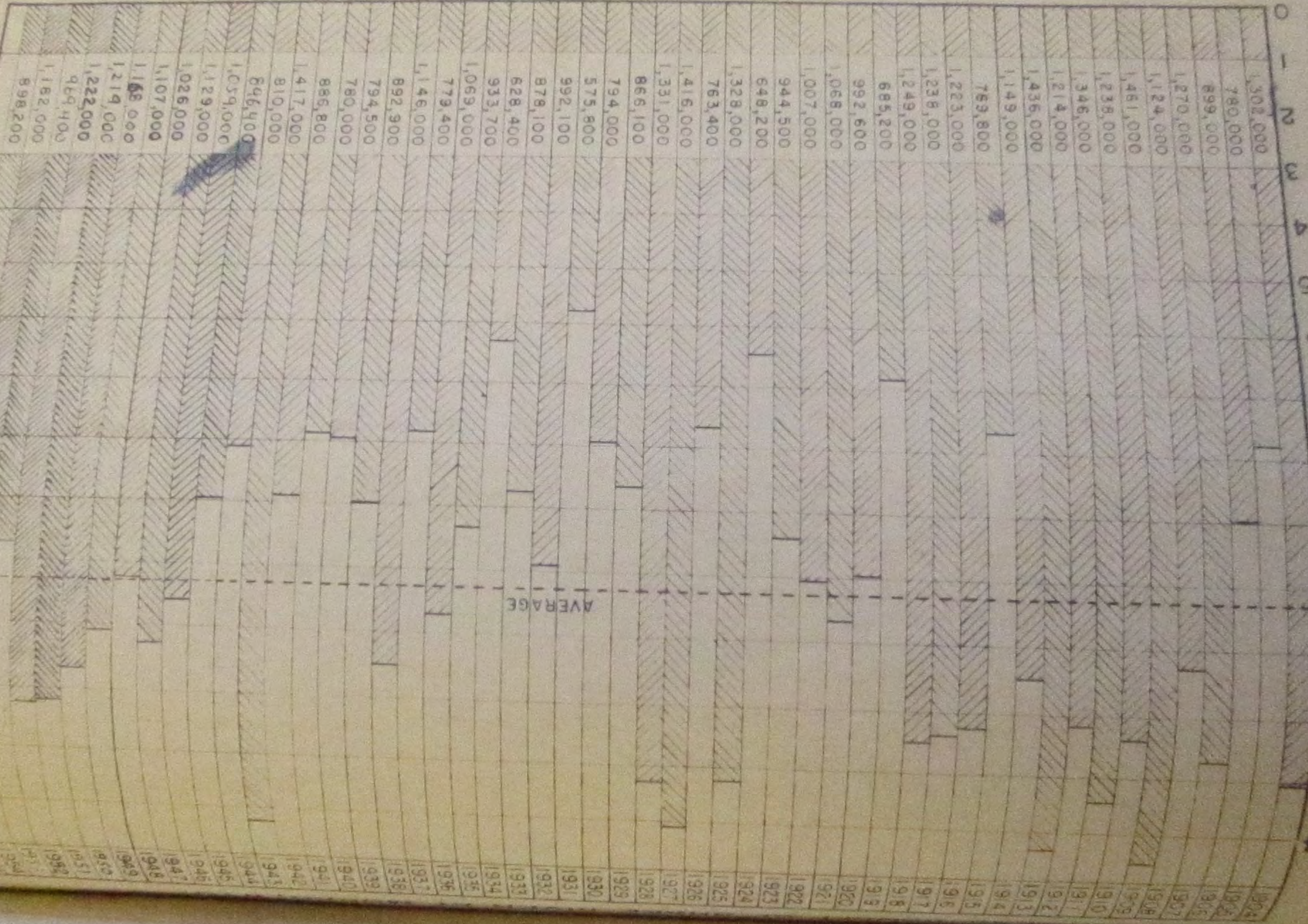
RUNOFF IN MILLIONS OF ACRE-FEET



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.

RUNOFF IN HUNDREDS OF THOUSANDS OF ACRE-FeET

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



[illegible]

1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260	1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356	1357	1358	1359	1360	1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422	1423	1424	1425	1426	1427	1428	1429	1430	1431	1432	1433	1434	1435	1436	1437	1438	1439	1440	1441	1442	1443	1444	1445	1446	1447	1448	1449	1450	1451	1452	1453	1454	1455	1456	1457	1458	1459	1460	1461	1462	1463	1464	1465	1466	1467	1468	1469	1470	1471	1472	1473	1474	1475	1476	1477	1478	1479	1480	1481	1482	1483	1484	1485	1486	1487	1488	1489	1490	1491	1492	1493	1494	1495	1496	1497	1498	1499	1500	1501	1502	1503	1504	1505	1506	1507	1508	1509	1510	1511	1512	1513	1514	1515	1516	1517	1518	1519	1520	1521	1522	1523	1524	1525	1526	1527	1528	1529	1530	1531	1532	1533	1534	1535	1536	1537	1538	1539	1540	1541	1542	1543	1544	1545	1546	1547	1548	1549	1550	1551	1552	1553	1554	1555	1556	1557	1558	1559	1560	1561	1562	1563	1564	1565	1566	1567	1568	1569	1570	1571	1572	1573	1574	1575	1576	1577	1578	1579	1580	1581	1582	1583	1584	1585	1586	1587	1588	1589	1590	1591	1592	1593	1594	1595	1596	1597	1598	1599	1600	1601	1602	1603	1604	1605	1606	1607	1608	1609	1610	1611	1612	1613	1614	1615	1616	1617	1618	1619	1620	1621	1622	1623	1624	1625	1626	1627	1628	1629	1630	1631	1632	1633	1634	1635	1636	1637	1638	1639	1640	1641	1642	1643	1644	1645	1646	1647	1648	1649	1650	1651	1652	1653	1654	1655	1656	1657	1658	1659	1660	1661	1662	1663	1664	1665	1666	1667	1668	1669	1670	1671	1672	1673	1674	1675	1676	1677	1678	1679	1680	1681	1682	1683	1684	1685	1686	1687	1688	1689	1690	1691	1692	1693	1694	1695	1696	1697	1698	1699	1700	1701	1702	1703	1704	1705	1706	1707	1708	1709	1710	1711	1712	1713	1714	1715	1716	1717	1718	1719	1720	1721	1722	1723	1724	1725	1726	1727	1728	1729	1730	1731	1732	1733	1734	1735	1736	1737	1738	1739	1740	1741	1742	1743	1744	1745	1746	1747	1748	1749	1750	1751	1752	1753	1754	1755	1756	1757	1758	1759	1760	1761	1762	1763	1764	1765	1766	1767	1768	1769	1770	1771	1772	1773	1774	1775	1776	1777	1778	1779	1780	1781	1782	1783	1784	1785	1786	1787	1788	1789	1790	1791	1792	1793	1794	1795	1796	1797	1798	1799	1800	1801	1802	1803	1804	1805	1806	1807	1808	1809	1810	1811	1812	1813	1814	1815	1816	1817	1818	1819	1820	1821	1822	1823	1824	1825	1826	1827	1828	1829	1830	1831	1832	1833	1834	1835	1836	1837	1838	1839	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
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[illegible]

[illegible]

INFLOW TO AMERICAN FALLS RE

BETWEEN BLACKFOOT AND NEELEY STATIONS

24 HOUR SECOND-FOET

JUNE

JULY

																														JULY																							
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							
293	294	295	296	295	294	293	292	290	289	288	287	286	285	284	282	281	280	280	281	281	282	282	283	284	284	285	285	286	286	287	288	288	289	290	291	292	294	296	298	300	302	304	305	305	310	310	310	310					
29	29	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129					
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59	59	59	59	59	59	59	60	60	60	61	61	61	62	62	62	63	63	63	63	63	63	63	64	64	64	64	64	64	64	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65		
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23	23	23	24	24	24	24	25	25	25	26	26	26	27	27	27	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28		
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29	29	183	157	146	122	118	105	83	86	83	83	83	80	74	67	67	59	54	51	55	55	52	43	43	49	67	63	72	70	63	58	59	55	41	36	33	40	47	39	40	35	37	23	20	20	20	20	20	20	20			
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82,601

82,259

RESERVOIR

1955

ATIONS

83,034

SEPTEMBER																														
	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
0	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
5	316	316	317	318	318	319	320	320	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321
6	485	485	484	484	483	483	482	482	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481
8	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
5	6	6	5	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
5	25	25	26	26	26	25	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
7	66	66	65	64	64	63	62	62	61	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
4	25	25	25	25	25	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
9	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	7	7	7
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	80	74	70	67	64	61	61	61	63	63	63	67	60	58	58	60	58	59	59	65	68	72	72	74	80	86	91	91	91	91
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
6	35	35	35	35	35	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
8	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
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
6	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
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	20	20	20	20	20	20	22	23	20	15	15	15	15	15	15	15	16	24	28	19	20	18	18	16	20	20	15	15	20	18
1	10	12	11	11	11	12	12	12	10	12	11	10	11	11	11	12	12	12	13	11	10	13	12	12	13	11	12	11	11	11
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
0	10	3	3	8	12	3	3	3	3	3	5	17	3	3	3	3	9	19	23	15	5	5	6	9	14	21	14	2	6	19
1	61	61	60	60	60	60	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
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
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
5	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
6	1413	1402	1394	1396	1396	1383	1383	1384	1380	1376	1377	1392	1372	1370	1370	1373	1378	1397	1407	1393	1386	1391	1391	1394	1410	1421	1415	1402	1411	1411
0	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300
8	2713	2702	2694	2696	2696	2683	2683	2684	2680	2675	2677	2692	2672	2670	2670	2673	2678	2697	2707	2693	2686	2691	2691	2694	2710	2721	2715	2702	2711	2711

DAILY SEGREGATION

DATE	JACKSON LAKE CONTENTS ACRE-FOOT	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		
		STORED	NORMAL	TOTAL	STORED LOSS	STORED DIVERSION		STORED	NORMAL	TOTAL	MARKET LAKE	HENRY'S FORK NEAR REXBURG		STORED	NORMAL	TOTAL		STORED	NORMAL	TOTAL
JUNE 17	793,260																			
18	798,280																			
19	803,080																			
20	811,420																			
21	821,270																			
22	832,720																			
23	843,150																			
24	848,000																			
25	849,530																			
26	850,560																			
27	851,330																			
28	851,070																			
29	850,820																			
30	850,300																			
JULY 1	849,790																			
2	849,790																			
3	847,230	2490	2700	5190	62			0	9588	9588										
4	841,370	3320	2660	5980	83			2428	9194	11622										
5	836,280	2480	2610	5090	62			3237	10080	13317										
6	832,720	475	2575	3050	12			2418	10606	13024										
7	831,700	2090	2570	4660	52			463	10460	10923										
8	826,870	2810	2550	5360	70			2038	8686	10724										
9	820,010	3900	2500	6400	97	5		2740	8784	11524		-94								
10	812,430	3930	2470	6400	98	10		3798	8526	12324		-304								
11	804,600	4000	2420	6420	100	10		3822	8602	12424		-347								
12	796,770	4050	2350	6400	101	10		3890	8623	12513		-168								
13	788,740	4089	2311	6400	102	10		3933	8484	12423		-122								
14	780,210	4250	2250	6500	106	10		3977	8244	12221		-162								
15	772,690	4600	2180	6780	115	10		4134	7987	12121		-235								
16	762,970	4822	2058	6880	121	10		4475	7951	12426		-230								
17	753,760	4940	2020	6960	123	10		4691	7835	12526		-337								
18	744,310	5120	2000	7120	128	10		4807	7603	12410		-844								
19	733,920	5280	1980	7260	132	10		4982	7318	12300		-583								
20	723,290	5420	1960	7380	136	10		5138	7162	12300		-121								
21	712,230	5390	1940	7330	135	10		5274	7058	12332		495								
22	701,420	5230	2100	7330	131	10		5245	7087	12332		512								
23	690,180	4980	2000	6980	125	10		5089	7445	12534		568								
24	681,150	4566	1874	6440	114	10		4845	7890	12735		635								
25	672,380	4180	1800	5980	105	10		4442	8593	13035		523								
26	664,140	4280	1420	5700	107	10		4065	8471	12536		350								
27	655,910	4390	1400	5790	110	10		4163	7569	11732		198								
28	647,440	4670	1380	6050	122	10		4270	6997	11227		86								
29	637,580	5440	1370	6810	136	10		4738	6389	11127		-84								
30	626,280	5850	1350	7200	146	10		5294	6033	11327		-65								
31	614,320	5944	1346	7290	148	10		5694	5834	11528		121								
AUG. 1	603,100	5720	1330	7050	143	10		5786	5842	11628		-394								
2	591,690	5760	1320	7080	144	10		5567	5656	11223		-426								
3	579,830	5750	1300	7050	144	10		5606	5417	11023		-358								
4	568,380	5500	1290	6790	138	10		5596	5327	10923		-395								
5	557,900	5383	1277	6660	135	10		5352	5171	10523		-313								
6	547,340	5070	1260	6330	127	10		5238	5180	10418		-240								
7	536,810	5300	1240	6540	133	10		4933	5083	10016		-207								
8	527,000	4960	1220	6180	124	10		5157	5162	10319		280								
9	517,470	4740	1200	5940	119	10		4826	5196	10022		289								
								4611	5042	9653		311								
								4333	5059	9392		358								

ION OF DATA AT AND BETWEEN SNAKE RIVER GAG

24 HOUR SECOND FEET EXCEPT AS NOTED

SNAKE RIVER AT SHELLEY		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			STORAGE DIVERSIONS NEELEY TO WALCOTT
NORMAL	TOTAL	STORED	NORMAL	TOTAL					STORED	NORMAL	TOTAL				STORED	NORMAL	TOTAL			
							JUNE 20													
							21		0	9110	9110	2723		JUNE 21	1,521,000	1508	9192	10700		
							22		0	8150	8150	2717		22	1,515,000	2433	8867	11300		
							23		0	3930	3930	2689		23	1,501,000	5381	6619	12000		
5760	5760	365	3707	4072	-22	-343	24	1	0	2270	2270	2664		24	1,483,000	7586	4934	12500		
7599	6340	411	3668	4079	-100	-1570	25	1	-343	2173	1830	2660		25	1,472,000	7167	4833	12000		
10382	5010	229	3886	4115	-96	-1505	26	39	-1570	4530	3060	2671		26	1,461,000	4299	7301	11600		
11549	11000	86	3848	3934	-62	-973	27	63	-1505	7865	6360	2672		27	1,456,000	1679	8921	11600		
11129	10300	0	3813	3813	-50	-779	28	50	-973	8203	7230	2665		28	1,451,000	1659	8941	11600		
9319	8590	0	3681	3681	-44	-685	29	106	-779	6399	5620	2677		29	1,439,000	2324	9076	11400		
9122	8360	101	3454	3555	-50	-793	30	214	-685	5695	5010	2713		30	1,439,000	2392	8408	10800		
10241	9680	81	2616	2697	-38	-604	JULY 1	135	-793	8053	7260	2790		JULY 1	1,434,000	1325	9071	10400	4	
9328	9120	0	2837	2837	-12	-196	2	221	-804	7634	7230	2754		2	1,435,000	1395	9005	10400	4	
7704	7560	0	2554	2554	-9	-135	3	176	-196	6486	6290	2759		3	1,433,000	1383	9017	10400	4	
6035	5950	0	2223	2223	-5	-80	4	128	-135	5125	4990	2764		4	1,424,000	2611	7889	10500	4	
5671	5790	0	2310	2310	-5	-76	5	94	-80	3940	3860	2778		5	1,417,000	3962	6718	10700	4	
4976	7160	0	2808	2808	131	2051	6	29	-76	4276	4200	2769		6	1,409,000	4255	7045	11300	4	
4537	7330	9	3371	3380	167	2623	7	10	2051	2219	4270	2726		7	1,399,000	7055	4945	12000	4	
4828	6770	93	3622	3715	111	1738	8	8	2623	1057	3680	2681		8	1,391,000	8362	3738	12100	4	
4666	4630	93	3607	3700	-8	-123	9	2	1738	932	2670	2681		9	1,377,000	8567	3613	12200	4	
3319	4680	107	3376	3483	75	1179	10	1	868	202	1070	2665		10	1,358,000	9333	2867	12200	4	
3272	4850	210	3561	3771	82	1286	11	19	1049	201	1250	2650	1	11	1,341,000	9349	2851	12200	4	
3234	5440	249	3531	3780	117	1840	12	28	1381	219	1600	2650	1	12	1,328,000	9331	2869	12200	4	
3189	5310	255	3591	3846	112	1754	13	10	1542	228	1770	2658	1	13	1,313,000	9317	2883	12200	4	
3165	5600	246	3649	3995	131	2058	14	1	1620	210	1830	2647	1	14	1,297,000	9443	2857	12300	4	
2424	5000	246	3651	3897	140	2190	15	4	1319	201	1520	2640	1	15	1,280,000	9754	2841	12600	4	
2136	4440	318	3561	3679	119	1667	16	6	744	204	948	2633	1	16	1,261,000	9863	2837	12700	4	
1970	4080	254	3467	3721	111	1745	17	19	414	206	620	2633	1	17	1,242,000	9961	2839	12800	4	
2750	4550	789	2955	3744	61	950	18	9	401	219	620	2602	1	18	1,223,000	9679	2821	12500	4	
2756	4490	1005	2896	3901	44	686	19	1	539	209	748	2599	1	19	1,205,000	9092	2808	11900	4	
2901	6140	1500	2255	3755	-16	-245	20	1	405	201	608	2600	1	20	1,186,000	8699	2801	11800	4	
3039	4420	1554	2312	3866	-10	-163	21	1	191	201	392	2595	1	21	1,171,000	8604	2796	11600	4	
2397	4710	1580	2436	4016	44	689	22	15	339	201	540	2590	1	22	1,154,000	9109	2791	11900	4	
2257	4850	1771	2307	4078	49	773	23	20	457	215	672	2588	1	23	1,136,000	9597	2803	12400	4	
2751	5310	1558	2553	4111	60	941	24	25	618	220	836	2588	1	24	1,117,000	8992	2808	11800	4	
3335	6150	1430	2708	4138	83	1304	25	30	1395	225	1620	2597	1	25	1,102,000	10078	2822	12900	4	
5881	6830	876	3130	4005	124	1950	26	33	2210	230	2440	2612	1	26	1,087,000	10166	2842	13000	4	
4531	7150	292	3719	4011	140	2197	27	34	2867	233	2900	2626	1	27	1,070,000	10141	2859	13000	4	
4034	6400	284	3715	3999	125	1957	28	53	2676	234	2910	2631	1	28	1,056,000	9635	2865	12500	4	
2822	5310	215	3700	3915	130	2043	29	42	1827	253	2080	2631	1	29	1,040,000	9716	2884	12500	4	
2241	4340	968	2876	3844	68	1063	30	9	1068	242	1310	2637	1	30	1,025,000	9121	2879	12000	4	
1824	4060	1658	2098	3756	35	543	31	14	430	209	639	2638	1	31	1,007,000	8853	2847	11700	4	
1696	4240	1948	1825	3773	36	560	AUG 1	21	295	214	510	2637	1	AUG 1	990,000	8649	2851	11600	4	
1412	4470	2122	1650	3772	56	880	2	4	437	221	658	2643	1	2	975,000	8736	2854	11600	4	
1755	4240	2264	1481	3745	14	227	3	4	568	204	772	2628	1	3	956,000	9268	2852	12100	4	
1676	3910	2358	1352	3710	-7	-116	4	8	330	204	534	2630	1	4	939,000	9566	2834	12400	4	
1524	3770	1970	1394	3364	17	259	5	9	197	206	403	2628	1	5	922,000	9566	2834	12400	4	
1536	3750	1877	1264	3141	20	315	6	9	331	209	540	2637	1	6	904,000	8954	2846	11800	4	
1395	3630	1819	1318	3137	26	400	7	51	471	209	680	2660	1	7	888,000	8531	2869	11400	4	
1354	4210	1763	1294	3083	32	495	8	43	633	251	884	2648	1	8	872,000	8201	2889	11100	4	
1732	4880	1594	1384	2978	91	1423	9	18	1437	243	1680	2641	1	9	859,000	8016	2884	10900	4	
1630	4820	1638	1562	3201	79	1241	10	34	1642	218	1860	2631	1	10	847,000	8331	2849	11200	4	
1554	4950	1666	1520	3186	73	1146	11	30	1386	234	1620	2628	1	11	832,000	8938	2862	11800	4	
1357	4600	1624	1485	3109	62	964	12	27	1130	230	1360	2631	1	12	817,000	9139	2861	12000	4	
</																				

AGING STATIONS

1955

LISE WALCOTT CONTENTS ACRE-FOOT	MINIDOKA CANALS			SNAKE RIVER NEAR MINIDOKA					DATE	MILNER LAKE DAGE FEET	MINOR STORED DIVERSIONS MINIDOKA TO MILNER	GOODING PROJECT			NORTH SIDE CANAL COMPANY				TRIN FALLS CANAL COMPANY				
	NORTH	SOUTH	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL				STORED	NORMAL	TOTAL	P.A.	GOODING	MAIN	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL
84,290	1070	833	1903	0	1903	1581	7289	8870	JUNE 22	10.96													
83,790	1270	1010	2280	0	2280	2283	6587	8870	23	10.79		1620	0	1620	64	910	2820	3794	0	3794	5	3365	3186
82,820	1380	1130	2510	784	1726	4337	4893	9230	24	10.80		1620	0	1620	64	880	2820	3744	507	3237	0	3365	3186
82,390	1350	1180	2530	996	1534	6080	3400	9480	25	11.04		1640	0	1640	66	890	2840	3766	1873	1893	500	3665	3186
84,370	1270	1180	2450	1017	1433	5590	3400	8990	26	11.02	3	1620	0	1620	66	970	2840	3876	3476	400	545	3665	3186
84,490	1290	1160	2450	724	1726	3295	5575	8870	27	11.01	3	1620	0	1620	66	950	2820	3836	3436	400	545	3665	3186
84,950	1380	1160	2540	0	2540	1609	7381	8990	28	11.02	3	1620	0	1620	66	930	2820	3836	1261	2875	540	3665	3186
84,140	1470	1160	2630	0	2630	1689	7311	9200	29	10.90	3	1620	0	1620	66	950	2810	3826	0	3826	540	3665	3186
82,740	1370	1150	2520	0	2520	2894	6556	9450	30	11.08	3	1620	0	1620	66	930	2790	3786	0	3786	540	3665	3186
84,490	1190	1000	2190	0	2190	2422	6218	8640	JULY 1	11.04	3	1610	0	1610	66	940	2820	3826	600	3226	0	3365	3186
83,320	1170	880	2050	0	2050	1709	7021	8730	2	11.06	3	1570	0	1570	66	900	2720	3686	486	3000	0	3365	3186
84,140	1180	854	2034	0	2034	1159	6991	8150	3	11.00	3	1580	0	1580	66	900	2710	3676	0	3676	0	3365	3186
84,490	1150	886	2036	0	2036	919	6981	7900	4	11.00	3	1560	0	1560	66	880	2700	3646	0	3646	0	3365	3186
84,490	1150	886	2036	310	1726	1997	6153	8150	5	10.72	3	1520	0	1520	66	890	2680	3626	0	3626	0	3365	3186
84,940	1250	1040	2290	564	1726	3388	4992	8380	6	10.48	3	1510	0	1510	64	900	2700	3604	664	3000	147	3365	3186
82,740	1450	1230	2680	954	1726	3411	5319	8730	7	10.56	3	1490	0	1490	64	880	2690	3604	1612	1992	440	3665	3186
81,920	1530	1270	2800	1255	1545	5800	3400	9200	8	10.83	3	1520	0	1520	64	890	2700	3654	1355	2319	476	3665	3186
82,520	1590	1280	2870	2532	338	5470	3400	8870	9	10.75	3	1530	0	1530	64	940	2700	3704	3304	400	480	3665	3186
82,160	1680	1280	2960	2747	213	5560	3400	8960	10	10.75	3	1530	0	1530	64	950	2650	3684	3264	400	520	3665	3186
81,320	1690	1290	2980	2980	0	6333	2867	9200	11	10.81	3	1550	0	1550	64	940	2650	3684	3254	400	520	3665	3186
81,460	1690	1290	2980	2980	0	6349	2851	9200	12	10.87	3	1580	0	1580	64	940	2650	3684	3327	337	0	3665	3186
82,160	1690	1300	2990	2990	0	6151	2869	9020	13	10.83	3	1590	0	1590	64	940	2640	3644	3308	336	0	3665	3186
83,320	1700	1310	3010	3010	0	6197	2883	9080	14	10.82	3	1590	0	1590	69	940	2640	3644	3308	336	0	3665	3186
83,320	1700	1330	3030	3030	0	6253	2857	9110	15	10.83	3	1590	0	1590	69	950	2760	3708	3430	339	0	3665	3186
84,140	1710	1360	3070	3070	0	6389	2841	9230	16	10.82	3	1590	0	1590	69	950	2820	3839	3503	336	0	3665	3186
83,670	1740	1360	3120	3120	0	6393	2837	9230	17	10.88	3	1610	0	1610	73	950	2840	3849	3515	334	0	3665	3186
84,720	1760	1390	3150	3150	0	6521	2839	9360	18	11.00	3	1600	0	1600	73	950	2880	3903	3569	334	0	3665	3186
85,790	1770	1390	3160	3160	0	6259	2821	9080	19	10.98	3	1590	0	1590	73	940	2920	3943	3609	334	0	3665	3186
86,390	1770	1390	3160	3160	0	6152	2808	8960	20	10.98	3	1590	0	1590	73	930	2920	3933	3602	331	0	3665	3186
85,790	1760	1330	3090	3090	0	6129	2801	8930	21	10.94	3	1600	0	1600	73	930	2920	3923	3694	329	0	3665	3186
84,370	1760	1330	3090	3090	0	6134	2796	8930	22	10.94	3	1590	0	1590	72	930	2910	3912	3683	328	0	3665	3186
84,020	1760	1340	3100	3100	0	6109	2791	8900	23	10.84	3	1590	0	1590	71	930	2880	3881	3663	328	0	3665	3186
83,790	1730	1350	3080	3080	0	6367	2803	9170	24	10.94	3	1600	0	1600	71	1010	2920	4001	3672	328	0	3665	3186
84,720	1700	1350	3050	3050	0	6552	2808	9360	25	10.90	3	1610	0	1610	71	1030	2900	4001	3671	330	0	3665	3186
87,580	1680	1310	2990	2990	0	6298	2822	9110	26	10.94	3	1600	0	1600	67	980	2860	3907	3575	332	0	3665	3186
85,910	1760	1320	3020	3020	0	6298	2842	9140	27	10.78	3	1600	0	1600	71	960	2840	3871	3537	334	0	3665	3186
86,030	1700	1310	3010	3010	0	6561	2859	9420	28	10.87	3	1610	0	1610	71	950	2860	3881	3545	336	0	3665	3186
87,230	1690	1300	2990	2990	0	6525	2866	9390	29	10.93	3	1610	0	1610	71	980	2880	3881	3544	337	0	3665	

1955

PLATE NO 12

LAKE RIVER MINIOWKA		DATE	MILNER LAKE GAGE FEET	MINOR STORAGE DIVERSIONS 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	TOTAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL
7289	8870	JUNE 22	10.95		1620	0	1620	64	910	2820	3794	0	3794	0	3360	3360	68	135	203	445
6557	8870	23	10.76		1620	0	1620	64	860	2820	3744	507	3237	0	3350	3350	203	0	203	476
4893	9230	24	10.80		1630	0	1630	66	890	2810	3766	1873	1893	350	3000	3350	203	0	203	476
5400	9480	25	11.04	3	1640	0	1640	66	970	2840	3876	3476	400	360	3000	3760	203	0	203	367
5400	8980	26	11.02	3	1620	0	1620	66	950	2820	3836	3436	400	400	3000	3400	203	0	203	220
5575	8570	27	11.01	3	1620	0	1620	66	950	2820	3836	1261	2575	440	3000	3440	203	0	203	217
7361	8990	28	11.02	3	1620	0	1620	66	950	2810	3826	0	3826	0	3420	3420	203	0	203	215
511	9200	29	10.90	3	1620	0	1620	66	930	2790	3786	0	3786	0	3390	3390	71	135	206	217
6556	9430	30	11.08	3	1610	0	1610	66	940	2820	3826	600	3226	0	3330	3330	73	135	208	215
6218	8640	JULY 1	11.04	3	1570	0	1570	66	900	2720	3686	686	3000	62	3218	3280	203	0	203	275
7021	8730	2	11.06	3	1580	0	1580	66	900	2710	3676	0	3676	0	3210	3210	203	0	203	199
6091	8150	3	11.00	3	1560	0	1560	66	880	2700	3646	0	3646	0	3210	3210	64	135	203	212
6881	7900	4	10.72	3	1520	0	1520	66	880	2680	3626	0	3626	0	3220	3220	43	135	178	187
6153	8150	5	10.65	3	1510	0	1510	64	900	2700	3664	664	3000	147	3153	3300	43	135	178	206
4992	5380	6	10.48	3	1490	0	1490	64	880	2660	3604	1612	1992	440	3000	3440	180	0	180	201
5319	8730	7	10.56	3	1490	0	1490	64	890	2700	3654	1335	2319	470	3000	3470	222	0	222	201
3400	9200	8	10.83	3	1520	0	1520	64	940	2700	3704	3304	400	490	3000	3490	217	0	217	203
3600	8870	9	10.75	3	1530	0	1530	64	950	2650	3664	3264	400	520	3000	3520	206	0	206	206
3400	8960	10	10.75	3	1540	0	1540	64	930	2660	3654	3254	400	540	3000	3540	206	0	206	206
2987	9200	11	10.81	3	1550	0	1550	64	940	2660	3664	3327	337	1020	2530	3550	206	0	206	206
2851	9200	12	10.87	3	1580	0	1580	64	940	2640	3644	3308	336	1025	2515	3540	221	0	221	206
2869	9020	13	10.83	3	1590	0	1590	64	940	2640	3644	3306	338	989	2531	3520	221	0	221	206
2983	9080	14	10.82	3	1590	0	1590	69	940	2760	3769	3430	339	966	2544	3530	224	0	224	203
2857	9110	15	10.83	3	1590	0	1590	69	950	2820	3839	3503	338	1039	2521	3560	230	0	230	203
841	9230	16	10.82	3	1590	0	1590	69	940	2840	3849	3515	334	1123	2507	3630	230	0	230	190
837	9230	17	10.86	3	1610	0	1610	73	950	2880	3903	3569	334	1147	2503	3680	235	0	235	192
2839	9360	18	11.00	3	1600	0	1600	73	950	2920	3943	3609	334	1145	2505	3650	235	0	235	192
2821	9080	19	10.98	3	1590	0	1590	73	940	2920	3933	3602	331	1140	2490	3630	235	0	235	192
1808	8360	20	10.98	3	1590	0	1590	73	930	2920	3923	3593	330	1182	2478	3660	235	0	235	195
1807	8930	21	10.94	3	1600	0	1600	73	930	2920	3923	3594	329	1198	2472	3670	235	0	235	192
1798	8930	22	10.94	3	1590	0	1590	72	930	2910	3912	3583	329	1203	2467	3670	235	0	235	192
751	8900	23	10.84	3	1590	0	1590	71	930	2880	3881	3553	328	1197	2463	3660	235	0	235	192
803	9170	24	10.94	3	1600	0	1600	71	1010	2920	4001	3672	329	1206	2474	3680	235	0	235	201
808	9360	25	10.90	3	1610	0	1610	71	1030	2900	4001	3671	330	1252	2478	3730	233	0	233	201
872	9110	26	10.84	3	1600	0	1600	67	980	2860	3907	3575	332	1260	2490	3770	233	0	233	188
842	9140	27	10.75	3	1600	0	1600	71	960	2840	3871	3537	334	1282	2508	3790	233	0	233	210
859	9420	28	10.87	3	1610	0	1610	71	950	2860	3881	3545	336	1257	2523	3780	233	0	233	217
865	9380	29	10.93	3	1610	0	1610	71	950	2860	3881	3544	337	1262	2528	3790	233	0	233	206
884	9170	30	10.86	3	1610	0	1610	65	940	2840	3845	3507	338	1244	2546	3790	233	0	233	201
875	8990	31	10.82	3	1600	0	1600	65	910	2840	3815	3477	338	1219	2541	3760	233	0	233	85
847	8960	AUG 1	10.80	3	1590	0	1590	65	890	2860	3815	3480	335	1268	2512	3780	233	0	233	23
861	8990	2	10.88	3	1610	0	1610	64	930	2900	3894	3559	335	1264	2516	3780	235	0	235	8
864	9170	3	10.86	3	1620	0	1620	65	930	2910	3905	3569	336	1242	2528	3770	235	0	235	8
852	9360	4	11.02	3	1620	0	1620	66	950	2970	3986	3654	332	1260	2500	3780	235	0	235	11
834	9510	5	11.15	3	1620	0	1620	66	950	2980	3996	3664	332	1248	2502	3750	235	0	235	41
834	9390	6	11.24	3	1610	0	1610	72	940	2960	3972	3640	332	1238	2502	3740	233	0	233	60
846	8967	7	11.13	3	1590	0	1590	72	930	2950	3952	3618	334	1218	2512	3730	223	0	223	21
869	8910	8	11.05	3	1600	0	1600	72	920	2920	3912	3575	337	1198	2532	3730	223	0	223	14
889	8930	9	11.04	3	1600	0	1600	72	920	2880	3852	3512	340	1171	2559	3730	223	0	223	12
889	8746	10	11.02	3	1590	0	1590	73	900	2830	3803	3464	339	1145	2545	3690	223	0	223	11
889	8780	11	11.02	3	1600	0	1600	73	910	2830	3813	3479	334	1135	2515	3650	223	0	223	10
889	8840	12	11.00	3	1600	0	1600	73	910	2820	3803	3467	336	1104	2526	3630	223	0	223	11
889	8900	13	11.06	3	1600	0	1600	73	920	2820	3813	3477	336	1105	2526	3630	223	0	223	12
889	8900	14	11.12	3	1590	0	1590	73	930	2820	3823	3486	337	1101	2529	3630	223	0	223	29
889	8900	15	11.20	3	1590	0	1590	73	930	2800	3803	3466	337	1100	2530	3630	223	0	223	58

DAILY SEGREGA

DATE	JACKSON LAKE CONTENTS ACRE-FOOT	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 STORED
		STORED	NORMAL	TOTAL	STORED LOSS	STORED DIVERSION		STORED	NORMAL	TOTAL	MARKET LAKE	HENRYS FORK NEAR REXBURG		STORED	NORMAL	TOTAL		
AUG 11	498,700	3859	1121	4940	96	10	AUG 12	3753	5128	8881	6	253	183	1777	6823	8400	AUG 13	2022
12	492,010	3580	1080	4660	90	10	13	3480	4818	8298	6	88	170	523	6349	6878	14	2855
13	484,390	4140	1050	5190	104	10	14	4028	4767	8793	6	-229	197	375	6501	6676	15	3210
14	476,600	4120	1020	5140	103	10	15	4007	4725	8733	6	-74	196	1251	6318	7569	16	2402
15	468,580	3860	1010	4870	96	10	16	3754	4943	8697	6	-27	183	1230	6253	7483	17	2326
16	461,700	3540	1010	4550	89	10	17	3441	4906	8347	6	-75	168	1157	6195	7352	18	2097
17	454,420	3050	990	4040	76	10	18	2964	5156	8120	6	-193	145	1089	6156	7245	19	1841
18	448,730	2410	960	3370	60	10	19	2340	4908	7248	5	-185	114	733	6094	6827	20	1517
19	443,940	2710	940	3650	58	10	20	2832	4416	7048	5	-314	128	396	6013	6409	21	1295
20	437,140	3530	930	4460	88	10	21	3432	4018	7450	5	-453	168	326	6119	6448	22	2446
21	429,700	4090	920	5010	102	10	22	3978	3973	7951	5	-446	194	1082	6180	7272	23	2251
22	421,120	4280	910	5190	107	10	23	4163	3955	8118	5	-423	204	1683	6733	7416	24	1854
23	412,350	4250	890	5140	106	10	24	4134	4020	8154	5	-354	202	1643	6764	7407	25	1940
24	404,080	3720	860	4580	93	10	25	3617	4470	8087	5	-309	177	1714	6709	7423	26	1422
25	397,600	2930	850	3780	73	10	26	2847	4594	7441	5	-300	139	1239	6694	6873	27	1171
26	391,790	2859	841	3700	71	10	27	2778	4364	7142	5	-221	135	271	6631	6102	28	2156
27	385,810	3120	820	3940	78	10	28	3032	4144	7176	5	134	148	-114	5803	5689	29	3137
28	379,830	3260	800	4060	82	10	29	3168	3957	7125	5	206	156	590	6096	6889	30	2634
29	373,190	3560	780	4340	89	10	30	3461	3839	7300	6	-8	169	774	6070	6844	31	2510
30	366,140	3650	750	4400	91	10	31	3549	3787	7336	6	-241	173	1014	6067	7081	SEPT 1	2121
31	358,690	3290	710	4000	82	10	SEPT 1	3198	3990	7188	6	-206	156	1307	5893	7100	2	1535
1	352,330	3018	662	3680	75	5	2	2938	3706	6644	6	-380	143	1339	5367	6705	3	1082
2	346,220	3670	630	4300	92	5	3	3573	3193	6766	6	-347	174	1221	5224	6445	4	837
3	338,620	4640	580	5220	116	5	4	4519	3050	7569	6	-425	221	1787	4735	6522	5	2082
4	328,640	5280	580	5860	132	5	5	5143	3066	8209	6	-395	251	2454	4952	7386	6	2049
5	318,110	5280	580	5860	132	5	6	5143	3286	8429	6	-307	251	2505	4856	7461	7	1995
6	308,450	5060	580	5640	127	5	7	4928	3341	8269	5	-255	240	2604	4836	7440	8	1834
7	298,560	4720	580	5300	118	5	8	4597	3579	8176	5	-255	224	2535	4952	7487	9	1588
8	289,960	3840	580	4420	96	5	9	3739	3797	7536	5	-213	183	2185	4730	6915	10	1153
9	283,190	3440	580	4020	86	5	10	3349	3467	6816	5	-641	163	1217	4656	6086	11	1339
10	274,190	3910	580	4490	98	5	11	3807	3149	6956	5	-248	186	1018	4681	5699	12	2360
11	267,070	4200	580	4780	105	0	12	4085	3121	7216	5	-295	200	1902	4894	6796	13	1705
12	259,160	4200	580	4780	105	0	13	4095	3212	7307	5	-289	200	2134	4864	6996	14	1477
13	250,270	4140	580	4720	103	0	14	4037	3125	7162	5	-263	197	2050	4825	6875	15	1530
14	242,010	3848	572	4420	96	0	15	3752	3411	7163	5	-313	163	2003	4879	6881	16	1259
15	235,080	3440	570	4010	86	0	16	3354	3184	6538	5	-315	164	1681	4689	6350	17	1199
16	227,740	3360	720	4080	84	0	17	3278	3353	6631	5	-154	160	760	4677	5437	18	2032
17	220,830	3130	730	3860	78	0	18	3052	3547	6599	5	-110	149	801	4442	5263	19	1987
18	214,590	3000	750	3750	75	0	19	2928	3673	6598	5	-167	143	1439	4460	5689	20	1181
19	208,760	2610	760	3370	65	0	20	2546	3994	6539	0	-114	124	1120	4811	6931	21	1187
20	203,940	1930	760	2690	48	0	21	1882	4132	6014	0	-186	92	767	4934	5701	22	835
21	199,950	1440	760	2200	36	0	22	1404	4026	5430	0	-277	68	619	4813	5432	23	440
22	197,380	1150	760	1910	29	0	23	1121	3926	5047	0	-253	55	548	4734	5282	24	285
23	194,410	930	760	1690	23	0	24	907	3837	4744	0	-199	44	537	4674	5011	25	127
24	192,030	620	760	1580	21	0	25	799	3975	4774	0	-179	39	171	4659	4630	26	40
25	190,840	440	760	1200	11	0	26	429	4285	4694	0	-114	21	189	4396	4594	27	9
26	190,490	0	315	315	0	0	27	0	0	4072	0	-102	0	0	4384	4384	28	-102
27	191,040	0	27	27	0	0												
TOTAL		531,127			8,278	585		322,264			535	-11,256	15,726	135,872				159,9

GATION OF DATA AT AND BETWEEN SNAKE RIVER G

24 HOUR SECOND-FOOT EXCEPT AS NOTED

SNAKE RIVER AT SHELLEY			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-FOOT	SNAKE RIVER AT NEELEY			STORAGE DIVERSIONS NEELEY TO WALCOT	LAKE WALCOT CONTENT ACRE-FOOT	
NORMAL	TOTAL		STORED	NORMAL	TOTAL							STORED	NORMAL	TOTAL					STORED	NORMAL	TOTAL			
1988	4040		1561	1413	2974	29	462			AUG. 14	78	1282	278	1560	2643		AUG. 16	773,000	7979	2921	10900	4	55.83	
1435	4290		1616	1188	2704	80	1259			15	59	1941	259	2240	2678		16	760,000	7463	2937	10400	4	56.15	
1509	4740		1514	1143	2657	103	1614			16	22	2046	222	2270	2672		17	750,000	7596	2894	10400	4	56.72	
948	4440		1471	1195	2666	61	960			17	25	1795	225	2020	2678		18	739,000	8099	2901	11000	4	57.50	
2170	4490		1489	1306	2794	50	781			18	25	1575	225	1800	2682		19	726,000	8595	2907	11500	4	58.32	
2213	4280		1527	1390	2917	31	489			19	25	1575	225	1400	2682		20	711,000	8893	2907	11800	4	58.37	
2397	3940		1534	1546	3080	1	8			20	22	718	222	940	2687		21	696,000	8891	2909	11800	4	58.55	
2237	3610		1530	1508	3038	-13	-204			21	22	466	222	688	2697		22	680,000	8881	2919	11800	4	58.58	
1561	3360		1460	1291	2751	20	319			22	40	960	240	900	2708		23	664,000	7752	2948	10700	4	59.32	
940	3030		1475	1139	2614	61	954			23	28	354	228	582	2703		24	649,000	7369	2951	10300	4	59.08	
559	2910		1379	1079	2458	52	820			24	31	401	231	632	2711		25	636,000	7258	2942	10200	4	58.27	
1312	3170		1434	1136	2670	22	342			25	29	663	229	892	2721		26	624,000	7750	2950	10700	4	58.55	
1420	3360		1445	1121	2566	30	465			26	36	894	236	1130	2740		27	610,000	8235	2976	11200	4	58.90	
2048	3470		1340	1072	2412	5	77			27	21	1199	221	1420	2809		28	598,000	8076	3030	11100	4	58.22	
2616	3790		1307	975	2282	-8	-125			28	28	1432	228	1660	2745		29	583,000	8327	2973	11500	4	58.35	
1754	3910		1316	1029	2345	50	790			29	32	1588	232	1820	2735		30	569,000	8433	2967	11400	4	58.91	
663	3820		1327	1049	2376	109	1701			30	15	1245	215	1460	2739		31	555,000	7946	2954	10800	4	58.55	
778	3410		1340	1031	2371	78	1216			31	17	983	217	1200	2728		SEPT. 1	541,000	7555	2945	10500	4	57.9	
614	3130		1301	1016	2317	73	1142			SEPT. 1	13	727	213	940	2713		2	528,000	7474	2925	10400	4	57.3	
703	2830		1273	1066	2339	51	803			2	5	490	205	695	2702		3	514,000	7633	2907	10600	4	57.8	
1075	2510		1249	1040	2289	17	269			3	4	312	204	516	2694		4	495,000	7802	2898	10700	4	58.1	
1568	2650		1341	1038	2379	-16	-243			4	4	270	204	474	2696		5	483,000	8000	2900	10900	4	58.1	
623	2490		1376	948	2324	28	433			5	5	198	205	403	2696		6	468,000	8096	2901	11000	4	58.1	
486	2580		1401	947	2348	41	650			6	2	146	202	348	2683		7	451,000	7815	2885	10700	4	57.4	
781	2830		1395	975	2370	39	615			7	4	318	204	522	2683		8	436,000	7913	2887	10400	4	57.1	
1174	3170		1413	1069	2482	35	548			8	9	539	209	748	2684		9	422,000	7507	2893	10400	4	56.1	
1136	2970		1397	1002	2399	26	411			9	15	417	215	632	2680		10	409,000	7405	2895	10300	4	55.1	
1582	2970		1345	986	2331	15	228			10	14	518	214	732	2676		11	395,000	7410	2890	10300	4	55.1	
897	3050		1334	933	2267	-10	-181			11	26	484	226	710	2677		12	380,000	7197	2903	10100	4	54.1	
427	2760		1227	998	2225	6	100			12	7	413	207	620	2692		13	368,000	8761	2899	9650	4	55.1	
310	2670		1230	1018	2248	68	1062			13	5	329	205	534	2672		14	355,000	8433	2877	9310	4	54.1	
667	2370		733	931	1664	58	912			14	4	401	279	680	2670		15	342,000	6221	2949	9170	4	54.1	
583	2160		716	974	1690	46	715			15	2	0	594	594	2670		16	331,000	6906	3264	9170	4	54.1	
516	2050		680	923	1603	51	801			16	2	0	620	620	2673		17	319,000	5547	3293	8840	4	53.1	
1011	2270		646	924	1570	37	578			17	3	0	740	740	2678		18	310,000	4902	3418	8320	4	53.1	
1341	2540		898	953	1851	18	283			18	14	0	1100	1100	2697		19	301,000	3763	3797	7560	4	51.1	
963	3150		877	955	1832	80	1250			19	30	0	1820	1820	2707		20	295,000	2253	4327	6780	4	51.1	
1053	3050		829	945	1774	70	1098			20	16	0	1460	1460	2693		21	290,000	2127	4151	6780	4	51.1	
1619	2830		791	887	1678	23	367			21	26	0	1360	1360	2696		22	287,000	1874	4246	6120	4	51.1	
1843	3030		758	917	1675	26	403			22	55	0	1560	1560	2691		23	284,000	1829	4251	6080	4	51.1	
845	2680		752	842	1594	5	78			23	37	0	1340	1340	2691		24	281,000	2045	4031	6080	4	51.1	
1830	2370		729	894	1623	-17	-272			24	43	0	1030	1030	2694		25	277,000	2556	3721	6080	4	51.1	
2105	2370		732	996	1728	-26	-439			25	65	0	1040	1040	2710		26	271,000	2290	3750	6040	4	51.1	
2333	2460		726	908	1637	-36	-566			26	121	0	1420	1420	2721		27	266,000	1899	4141	6040	4	51.1	
2520	2930		524	1055	1579	-7	-107			27	124	0	1830	1830	2715		28	262,000	975	4545	5620	4	51.1	
2795	2890		0		1537	8	89			28	115	0	1850	1850	2702		29	263,000	180	4352	4540	4	51.1	
2662	2960				1583	-6	-96			29	111	0	1400	1400	2711		30	264,000	429	4111	4540	4	51.1	
												59,380				78				695,675				252

GAGING STATIONS

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LAKE WALCOTT CONTENTS	MINIDOKA CANALS				SNAKE RIVER NEAR MINIDOKA				DATE	MILNER LAKE GAGE FEET	MINOR STORAGE DIVERSIONS MINIDOKA TO MILNER	GOODING PROJECT			NORTH SIDE CANAL COMPANY				TWIN FALLS CANAL COMPANY			MILNER LOW				
	ACRE-Feet	NORTH	SOUTH	TOTAL	STORED	NORMAL	STORED	NORMAL				TOTAL	STORED	NORMAL	TOTAL	P.A.	GOODING	MAIN	TOTAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL	STORED
98,830	1360	1130	2510	2510	0	5629	2921	8550	AUG. 16	11.08	3	1570	0	1570	73	900	2720	3693	3350	343	155	1578	1595	221	0	0
98,180	1340	1080	2390	2390	0	5383	2937	8320	17	10.99	3	1560	0	1560	73	890	2730	3683	3338	345	158	1592	1595	212	0	0
98,720	1330	1060	2390	2390	0	5426	2894	8320	18	10.88	3	1570	0	1570	73	890	2740	3703	3383	340	158	1592	1595	212	0	0
98,820	1370	1070	2440	2440	0	5479	2901	8380	19	10.93	3	1570	0	1570	73	910	2770	3753	3412	341	159	1595	1595	212	0	0
98,320	1350	995	2345	2345	0	5203	2907	8610	20	11.04	3	1570	0	1570	73	900	2790	3753	3411	342	159	1595	1595	203	0	0
98,370	1290	845	2105	2105	0	5853	2907	8760	21	11.07	3	1580	0	1580	73	910	2780	3763	3421	342	159	1595	1595	190	0	0
98,630	1230	827	2057	2057	0	5611	2909	8520	22	11.06	3	1560	0	1560	72	900	2770	3742	3400	342	159	1595	1595	182	0	0
98,320	1290	907	2197	2197	0	5601	2919	8520	23	11.05	3	1540	0	1540	72	890	2780	3742	3399	343	159	1595	1595	182	0	0
98,920	1380	1060	2440	2440	0	5342	2948	8290	24	10.94	3	1530	0	1530	72	880	2780	3732	3386	346	159	1595	1595	182	0	0
98,080	1430	1180	2610	2610	0	5359	2931	8290	25	10.84	3	1550	0	1550	72	890	2780	3742	3397	345	159	1595	1595	182	0	0
98,170	1470	1200	2670	2670	0	5578	2942	8520	26	10.87	3	1510	0	1510	72	900	2780	3752	3408	346	159	1595	1595	182	0	0
98,550	1460	1160	2620	2620	0	5660	2950	8610	27	11.03	3	1480	0	1480	72	820	2800	3692	3345	347	159	1595	1595	182	0	0
98,900	1440	1130	2570	2570	0	5404	2976	8380	28	11.00	3	1470	0	1470	72	760	2770	3602	3252	350	159	1595	1595	182	0	0
98,250	1420	1120	2540	2540	0	5120	3030	8150	29	10.98	3	1480	0	1480	72	770	2770	3612	3256	356	159	1595	1595	182	0	0
98,950	1400	1100	2500	2500	0	5317	2973	8290	30	11.04	3	1480	0	1480	72	780	2770	3622	3273	349	159	1595	1595	182	0	0
98,910	1380	1080	2460	2460	0	5473	2967	8440	31	11.06	3	1450	0	1450	72	740	2780	3592	3243	349	159	1595	1595	182	0	0
98,630	1380	1100	2480	2480	0	5306	2954	8260	SEPT. 1	11.00	3	1450	0	1450	72	750	2760	3582	3235	347	159	1595	1595	182	0	0
98,910	1380	1160	2540	2540	0	5205	2945	8150	2	10.95	3	1470	0	1470	72	760	2760	3592	3246	348	159	1595	1595	182	0	0
98,550	1410	1210	2620	2620	0	5194	2926	8120	3	10.82	3	1470	0	1470	72	780	2780	3632	3288	344	159	1595	1595	182	0	0
98,840	1400	1210	2610	2610	0	5353	2907	8260	4	10.88	3	1470	0	1470	72	790	2780	3642	3300	342	159	1595	1595	182	0	0
98,490	1380	1210	2590	2590	0	5482	2898	8380	5	10.96	3	1460	0	1460	72	790	2780	3642	3301	341	159	1595	1595	182	0	0
98,250	1380	1210	2590	2590	0	5360	2900	8260	6	11.00	3	1460	0	1460	72	780	2780	3672	3251	341	159	1595	1595	182	0	0
98,720	1380	1250	2630	2630	0	5199	2901	8100	7	11.00	3	1450	0	1450	70	780	2720	3570	3229	341	159	1595	1595	182	0	0
98,430	1360	1260	2620	2620	0	5155	2885	8040	8	10.96	3	1450	0	1450	69	770	2700	3529	3190	339	159	1595	1595	182	0	0
98,180	1310	1230	2540	2540	0	5183	2887	8070	9	10.94	3	1450	0	1450	69	770	2650	3479	3140	339	159	1595	1595	182	0	0
98,690	1250	1210	2460	2460	0	5117	2893	8010	10	10.92	3	1450	0	1450	69	780	2640	3479	3139	340	159	1595	1595	182	0	0
98,180	1170	1170	2340	2340	0	5085	2895	7980	11	10.98	2	1450	0	1450	69	780	2610	3449	3109	340	159	1595	1595	182	0	0
98,670	1180	1100	2280	2280	0	5150	2890	8040	12	10.97	3	1450	0	1450	69	730	2580	3389	3028	341	159	1595	1595	182	0	0
98,430	1110	1130	2240	2240	0	5307	2903	8210	13	11.08	3	1450	0	1450	69	770	2510	3339	2998	341	159	1595	1595	182	0	0
98,910	1090	1080	2170	2170	0	5001	2899	7900	14	10.98	3	1440	0	1440	69	760	2470	3289	2951	338	159	1595	1595	182	0	0
98,550	1080	1050	2130	2130	0	4803	2877	7680	15	10.88	3	1440	0	1440	69	760	2460	3279	2932	347	159	1595	1595	182	0	0
98,720	1050	1040	2090	2090	0	4731	2949	7680	16	10.90	3	1450	0	1450	69	760	2470	3288	2906	353	159	1595	1595	182	0	0
98,020	981	949	1930	1930	0	4326	3264	7590	17	10.96	3	1410	0	1410	69	760	2380	3199	2812	367	159	1595	1595	182	0	0
98,250	975	951	1826	1826	0	4107	3293	7400	18	11.02	3	1400	0	1400	69	760	2300	3119	2719	400	159	1595	1595	182	0	0
98,840	720	718	1438	1330	108	3680	3310	6990	19	10.99	3	1390	0	1390	69	750	2220	3029	2629	400	159	1595	1595	182	0	0
98,800	800	599	1199	412	787	3610	3010	6620	20	10.53	3	1350	0	1350	69	720	2040	2619	1736	1083	159	1595	1595	182	0	0
98,720	864	530	1094	0	1094	2647	3433	6080	21	10.53	3	1320	0	1320	69	710	1970	2719	1836	870	159	1595	1595	182	0	0
98,820	556	487	1043	0	1043	2630	3110	5740	22	10.69	3	1280	0	1280	69	710	1860	2629	1715	1054	15					

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1955

PLATE NO. 13

LAKE RIVER MINIDOKA		DATE	MILNER LAKE GAGE FEET	MINOR 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
2921	8550	AUG. 16	11.08	3	1570	0	1570	73	900	2720	3693	3350	343	1052	2578	3630	221	0	221	21	0	21
2937	8320	17	10.89	3	1560	0	1560	73	880	2730	3683	3336	345	1058	2552	3650	212	0	212	12	0	12
2894	8320	18	10.68	3	1570	0	1570	73	890	2740	3703	3363	340	1096	2554	3650	212	0	212	10	0	10
2901	8380	19	10.93	3	1570	0	1570	73	910	2770	3753	3412	341	1090	2560	3650	203	0	203	9	0	9
2907	8610	20	11.04	3	1570	0	1570	73	900	2780	3753	3411	342	1075	2565	3640	190	0	190	10	0	10
2909	8520	21	11.07	3	1580	0	1580	73	910	2780	3763	3421	342	1055	2565	3620	182	0	182	20	0	20
2919	8520	22	11.06	3	1560	0	1560	72	900	2770	3742	3400	342	1073	2567	3640	182	0	182	18	0	18
2946	8290	23	11.05	3	1540	0	1540	72	890	2780	3742	3399	343	1084	2576	3660	182	0	182	15	0	15
2931	8280	24	10.94	3	1530	0	1530	72	880	2780	3732	3386	346	1048	2602	3650	182	0	182	8	0	8
2942	8520	25	10.84	3	1550	0	1550	72	890	2780	3742	3397	345	1044	2586	3630	182	0	182	9	0	9
2950	8610	26	10.87	3	1510	0	1510	72	900	2780	3752	3406	346	1034	2596	3630	182	0	182	9	0	9
2976	8380	28	11.00	3	1470	0	1470	72	760	2770	3602	3252	350	964	2626	3590	182	0	182	11	0	11
3030	8150	29	10.96	3	1480	0	1480	72	770	2770	3612	3256	356	916	2674	3590	182	0	182	9	0	9
2973	8290	30	11.04	3	1480	0	1480	72	780	2770	3622	3273	349	936	2624	3560	182	0	182	13	0	13
2967	8440	31	11.06	3	1450	0	1450	72	740	2780	3592	3243	349	922	2618	3540	182	0	182	13	0	13
2954	8260	SEPT. 1	11.00	3	1450	0	1450	72	750	2760	3582	3235	347	923	2607	3530	182	0	182	10	0	10
2945	8150	2	10.95	3	1470	0	1470	72	760	2760	3592	3246	346	931	2599	3530	182	0	182	8	0	8
2926	8120	3	10.82	3	1470	0	1470	72	780	2780	3632	3288	344	918	2582	3500	182	0	182	8	0	8
2907	8260	4	10.88	3	1470	0	1470	72	790	2780	3642	3300	342	945	2565	3510	182	0	182	7	0	7
2898	8380	5	10.98	3	1460	0	1460	72	790	2780	3642	3301	341	913	2557	3470	182	0	182	8	0	8
2900	8260	6	11.00	3	1450	0	1450	72	780	2720	3572	3231	341	881	2559	3440	182	0	182	10	0	10
2901	8100	7	11.00	3	1450	0	1450	70	780	2720	3570	3229	341	900	2560	3460	182	0	182	9	0	9
2881	8040	8	10.96	3	1450	0	1450	59	770	2700	3529	3190	339	904	2546	3450	182	0	182	9	0	9
2887	8070	9	10.94	3	1460	0	1460	59	770	2650	3479	3140	339	912	2548	3450	182	0	182	8	0	8
2893	8010	10	10.92	3	1460	0	1460	59	780	2640	3479	3139	340	887	2553	3440	182	0	182	8	0	8
2895	7980	11	10.98	2	1450	0	1450	59	780	2640	3479	3139	340	885	2555	3440	182	0	182	9	0	9
2890	8040	12	10.97		1450	0	1450	59	780	2610	3449	3109	340	900	2550	3450	182	0	182	8	0	8
2803	8210	13	11.08		1450	0	1450	59	730	2580	3369	3028	341	838	2562	3400	182	0	182	13	0	13
2899	7900	14	10.98		1450	0	1450	59	770	2510	3339	2998	341	752	2558	3310	182	0	182	9	0	9
2877	7680	15	10.88		1440	0	1440	59	760	2470	3289	2951	338	671	2539	3210	182	0	182	8	0	8
2949	7680	16	10.90		1450	0	1450	59	760	2460	3279	2932	347	608	2602	3210	181	0	181	9	0	9
3264	7590	17	10.96		1410	0	1410	59	760	2470	3289	2906	383	259	2881	3140	173	0	173	9	0	9
3295	7400	18	11.02		1400	0	1400	59	760	2380	3199	2812	387	154	2906	3060	173	0	173	13	0	13
3310	6990	19	10.99		1400	0	1400	59	760	2300	3119	2719	400	0	2910	2910	173	0	173	11	0	11
3010	5520	20	10.94		1390	0	1390	59	750	2220	3029	2629	400	0	2610	2610	170	0	170	8	0	8
3433	6080	21	10.53		1350	0	1350	59	720	2040	2819	1736	1083	0	2350	2350	155	0	155	6	0	6
3110	5740	22	10.69		1320	0	1320	59	700	1970	2729	1859	870	0	2240	2240	155	0	155	6	0	6
3214	5410	23	10.64		1280	0	1280	59	710	1860	2629	1575	1054	0	2160	2160	145	0	145	6	0	6
3238	5360	24	10.63		1270	0	1270	46	720	1750	2516	1258	1258	0	2000	2000	134	0	134	6	0	6
3094	5240	25	10.70		1230	0	1230	46	730	1570	2346	1052	1294	0	1800	1800	134	0	134	6	0	6
2783	4860	26	10.74		1210	0	1210	46	720	1460	2226	1173	1053	0	1730	1730	125	0	125	6	0	6
2736	4660	27	10.79		1220	0	1220	42	720	1450	2212	1206	1006	0	1730	1730	134	0	134	6	0	6
3113	4630	28	10.65		1210	0	1210	31	710	1440	2181	788	1393	0	1720	1720	134	0	134	6	0	6
3486	4510	29	10.60		720	0	720	31	710	1290	2031	243	1786	0	1700	1700	134	0	134	5	0	5
3282	3550	30	10.73					31	650	1180	1861	269	1592	0	1700	1700	134	0	134	5	0	5

236

19,610

278,734

77,047

19,304

9,530

CANAL	NO.	USED PRIOR TO JUNE 22	JUNE										JULY															
			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	
SWAN VALLEY USERS	1																											
RILEY	2																	0	5	10	10	10	10	10	10	10	10	
PROGRESSIVE IRRIGATION DISTRICT	3		0	5	7	0			0	10	2	0								0	24	24	13	23	21	21	24	
FARMERS FRIEND	4		0	358	361	262	262	262	262	222	38	0						0	75	55	247	307	328	275	265	261	329	
ENTERPRISE	5																	0	6	10	12	35	38	39	35	34		
NELSON	6																									0		
MATTSON-CRAIG	7		0	6	8	8	3	0										0	4	3	4	4	4	4	4	4	4	
BUTLER ISLAND	8																									0		
STEELE	9																	0	5	5	5	7	7	0		2		
HARRISON	10		0	3	3	0								0	3	5	4	5	5	0								
RUDY	11		0	47	41	21	17	5	17	69	0							0	53	60	67	74	74	67	65	99		
KITE & NORD	12		0	83	90	34	0						0	65	61	72	56	75	71	94	102	99	102	58	58	71		
BURGESS	13																									103		
CLARK & EDWARDS	14		0	29	46	0												0	55	51	68	66	68	64	64	62		
LOWDER	15		0	1	1	0			0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
EAST LABELLE	16																									1		
SUNNYDELL	17																									1		
LENROOT	18																		0	89	40	43	34	35	44	62		
REID	19																		0	23	14	0	7	7	4	1		
HILL PETTINGER	20		0	34	67	26	17	0	20	28	0							0	18	19	12	15	7	3	11	10		
RIGBY	21																		0	3	5	5	0	1	1	0		
DILTS	22													0	9	0	0	0	12	0	7	5	5	0	4	25		
PARKS & LEWISVILLE	23																									39		
WHITE	24																									1		
BRAMWELL	25		0	1	1	1	1	1	0	1	1	0														1		
BUTTE & MARKET LAKE	26		0	8	0	30	69	63	55	47	31	14	0															
OSGOOD	27																									0		
BEAR ISLAND	28																									0		
SMITH	29																		0	1	1	1	1	1	1	1		
KENNEDY	30		0	16	17	14	15	16	12	22	20	18	18	18	18	19	24	18	18	17	16	16	13	12	13			
IDAHO	31		0	310	310	320	250	180	240	30	0							0	60	60	0	190	180	190	110	190		
NEW SWEDEN IRRIGATION DISTRICT	32		0	290	321	212	187	194	128	113	99	97	0	0	14	127	169	215	177	213	203	198	202	207	230	274		
MARTIN	33		0	17	17	9	9	9	9	9	17	17	0	0	17	17	17	17	35	35	35	35	35	35	35	35		
KELLAR	34																									0		
WOODVILLE	35																									8		
SNAKE RIVER VALLEY	36		0	52	85	13	0												0	18	68	8	0	56	110	157		
MISCELLANEOUS	37		0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
TOTAL HEISE TO SHELLEY	38		0	1265	1378	955	835	735	748	567	214	150	91	87	134	286	364	484	584	940	1109	1173	1103	1055	1324	1584		
RESERVATION	39																									0		
BLACKFOOT	40		0	132	132	104	0													0	40	24	0	0	0	78		
NEW LAVA SIDE	41																		0	93	83	67	100	110	115	110		
PEOPLES	42		0	113	144	34	86	0	0	101	81	0							0	10	40	70	110	130	140	146		
ABERDEEN	43		0	120	120	70	0																					
CORBETT	44		0	0	15	21	0											0	9	0		0	5	10	6	6		
TREGG	45		0	0																						0		
TOTAL SHELLEY TO BLACKFOOT	46		0	365	411	229	86	0	0	101	81	0	0	0	0	0	0	9	93	93	107	210	249	255	246	318		
MISCELLANEOUS BLACKFOOT TO NEELEY	47	0										0	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
MISCELLANEOUS NEELEY TO MINIDOKA	48	0										0	0	0	0	310	564	954	1255	2532	2747	2980	2980	2990	3010	3030		
MINIDOKA PROJECT	49	0	0	784	996	1017	724	0	0	0	0	0	0	0	0	3	3	3	3	3	3	3	3	3	3	3		
MISCELLANEOUS MINIDOKA TO MILNER	50	0																										
MILNER LOW LIFT	51	5,900	68	203	203	203	203	203	71	73	203	203	68	43	43	180	222	217	206	206	206	206	221	221	224	230		
TWIN FALLS CANAL CO.	52	11,100	0	0	350	380	400	440	0	0	0	62	0	0	0	147	440	470	490	520	540	1020	1025	989	986			
NORTH SIDE CANAL CO.	53	17,130	0	507	1873	3476	3438	1261	0	0	600	688	0	0	0	664	1512	1335	3304	3264	3254	3327	3308	3306	3430			
GOODENS PROJECT	54	42,200	1620	1620	1630	1640	1620	1620	1620	1620	1610	1570	1580	1560	1520	1510	1490	1490	1520	1530	1540	1550	1580	1590	1590	1590		
IDAHO POWER CO.	55	13,900	445	476	367	220	217	215	217	215	215	199	212	197	206	201	201	203	206	206	206	206	208	206	203	203		
	56																											

24 HCl:

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
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6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
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[illegible]

OUR SECOND-FEET EXCEPT AS NOTED

GRAND TOTALS

JACKSON LAKE VALUATION	AMERICAN FALLS RIGHT		JACKSON LAKE RIGHT	RENTALS	OTHER RIGHTS	TOTAL RIGHTS
ACRE-Feet	OWNED ACRE-Feet	LEASED ACRE-Feet	ACRE-Feet	ACRE-Feet	ACRE-Feet	ACRE-Feet
1,251				(1) 1,251		1,251
3,239	190	79	2,072	(2) 1,200		1,251
6,424	3,531	997	16,163	(3) 725	(4) 7,880	3,541
2,166			2,000	(4) 665		29,255
3,980	2,524	1,200	17,651	(5) 1,100	(4) - 7,850	2,665
350				(6) 350		14,825
590				(7) 590		350
363				(8) 400		590
298				(9) 300		400
1,966	3,401		20,567	(10) 510		300
3,767	749	1,513	5,430	(11) 6,075		24,478
17				(12) 86		13,767
2,908	2,686	2,739	17,413	(13) 70		86
90				(14) 90		22,908
659			1,040	(15) 26		90
26				(16) 3,000		1,040
5,811			4,000	(17) 1,000		26
8,696	1,094	586	8,008	(18) 450		7,000
1,833	721	293	3,300	(19) 1,150		9,688
263				(20) 600		3,314
1,150				(21) 150		450
1,464	250	67	1,147	(22) 260		1,150
541				(23) 505		1,464
150				(24) 100		600
26				(25) 200		150
8,359	1,320	6,611	6,041	(26) 2,200	(16) 1,061	260
5,355	3,807	3,134	17,423	(27) 1,440		14,477
396	54	29	247	(28) 60		24,264
112	20		92	(29) 1,000		530
2,730			355	(30) 4,000		112
0,489	6,480	735	29,661	(31) 4,000		3,616
8,915	7,277	1,887	38,311	(32) - 55		35,876
5,420	567	336	4,098	(33) 155		48,915
60				(34) 500		8,001
9,058	1,710	196	7,828	(35) 468		60
0,893	7,457		49,135	(36) 4,500		9,734
1,054				(37) - 20,762		56,592
0,598	43,838	20,402	251,982	(38) 13,593		1,054
1,800				(39) 155		340,439
2,478	3,610	1,459	16,523	(40) 500		1,800
2,247				(41) 468		17,592
9,134	6,057	3,354	35,723	(42) 4,500		2,500
4,055	15,921	20,908	114,296	(43) - 80		49,134
5,535	961	178	4,396	(44) 167,791		151,070
1,733	371		1,701	(45) 155		5,535
6,982	26,920	25,899	172,639	(46) 500		2,072
				(47) 468		229,703
	393,972	26,567		(48) 4,500		155
	45,687	3,332		(49) - 20,762		500
	151,185		97,183	(50) 13,593		587,269
	454,960	45,763	312,007	(51) 155		468
	400,000			(52) 500		63,519
	45,000			(53) 468		227,608
		13,593		(54) 4,500		812,730
				(55) - 80		400,000
				(56) 155		45,000
				(57) 500		0
				(58) 468		
				(59) 4,500		
				(60) - 20,762		
				(61) 13,593		
				(62) 155		
				(63) 500		
				(64) 468		
				(65) 4,500		
				(66) - 20,762		
				(67) 13,593		
				(68) 155		
				(69) 500		
				(70) 468		
				(71) 4,500		
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				(75) 500		
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				(246) - 20,762		
				(247) 13,593		
				(248) 155		
				(249) 500		
				(250) 468		
				(251) 4,500		
				(252) - 20		

TIME INTERVAL BETWEEN GAGING STATIONS ON SNAKE RIVER

Pick No 15

TIME CLOUGH TO RUEGAR - 1 1/2 HRS
RUEGAR TO MINIDOKA - 8 HRS
MINIDOKA TO MILNER - 12 HRS

Marion to Heise Disch at Heise

Heise to Shelley Disch at Shelley

Shelley to Joseph Disch at Shelley

IN HOURS
INTERVAL

HENRYS FORK CANALS												
WEST OYSTINE	0	0	0	0	0	0	0	0	0	0	0	0
MAKESVILLE	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL ABOVE SQUIRREL	0	0	0	0	0	0	0	0	0	0	0	0
FARMERS OWN	0	0	0	0	0	0	0	0	0	0	0	0
ALAMY	0	0	0	0	0	0	0	0	0	0	0	0
ENTERPRISE	0	0	0	0	0	0	0	0	0	0	0	0
BELL	0	0	0	0	0	0	0	0	0	0	0	0
FALL RIVER	240	234	230	230	220	302	302	312	316	364	403	403
MC BEE	1	1	1	1	1	1	1	1	1	1	1	1
CHESTER	55	55	56	62	62	62	62	70	96	96	97	97
SLKEY	19	19	19	19	10	7	6	6	6	6	13	13
CURN	25	25	25	24	24	23	23	23	23	23	23	23
TOTAL SQUIRREL TO CHESTER	461	338	325	342	323	345	345	345	355	603	653	713

HENRYS FORK CANALS												
DEWEY	18	19	20	20	20	16	16	16	16	20	20	20
LAST CHANCE	73	50	43	34	34	0	0	0	0	90	100	115
CROSS CUT	0	0	0	0	0	0	0	0	0	0	0	0
ST ANTHONY UNION	608	512	562	565	459	470	482	440	545	560	575	584
FARMERS FRIEND	217	225	226	220	188	141	149	148	149	200	200	219
TWIN GROVES	169	171	171	164	154	157	159	157	162	164	169	174
SALEM UNION	174	176	148	176	153	171	179	176	178	214	255	267
TOTAL ASHTON TO ST ANTHONY	1259	1153	1170	1119	988	1039	1035	1037	1173	1212	1436	1555
ESIN	360	337	341	328	340	331	354	370	391	394	398	394
ST ANTHONY UNION FEEDER	113	118	115	124	115	82	86	82	86	99	103	103
INDEPENDENT	416	407	346	346	321	330	338	363	394	430	416	417
CONSOLIDATED FARMERS	310	246	240	210	210	205	203	200	149	149	200	230
TOTAL ST ANTHONY TO REXBURG	1149	1158	1041	1018	986	966	981	1015	1075	1122	1171	1147

TETON RIVER CANALS												
SIDOWAY	0	0	0	0	0	0	0	0	0	0	0	0
WILFORD	90	90	85	36	36	52	52	48	49	151	153	164
TETON IRRIGATION	0	0	5	5	40	40	40	47	74	89	89	94
GOOD LUCK	0	0	0	0	0	0	0	0	0	0	0	0
PIONEER	0	0	0	0	0	0	0	0	0	0	0	0
STEWART	12	0	0	0	0	0	0	0	0	0	0	0
PINCOCK-BYINGTON	5	5	6	6	6	6	10	16	18	20	18	17
PINCOCK-GARNER	12	13	18	18	0	0	0	0	0	0	0	0
GARDNER	0	0	0	0	0	0	0	0	0	0	0	0
TETON ISLAND FEEDER	317	315	303	303	310	310	311	315	319	411	432	437
ROXANA	18	18	19	19	20	20	20	20	18	17	20	25
ISLAND WARD	30	0	0	0	0	0	0	0	0	0	0	0
WOODMANSEE-JOHNSON	3	3	3	3	2	1	1	1	1	1	1	1
JAMES-THOMPSON	0	0	0	0	0	0	0	0	0	0	0	0
MC CORMICK-ROWE	5	5	5	5	5	5	5	5	5	5	5	5
CITY OF REXBURG	23	23	20	20	20	24	24	24	24	24	24	25
REXBURG IRRIGATION	203	200	195	190	140	140	140	184	185	181	200	230
SAURY-SOMMERS	1	1	1	1	1	1	1	1	1	1	1	1
TOTAL TETON RIVER	134	675	663	641	646	644	754	783	804	902	1135	1213

[illegible]

DATE	HENRYS LAKE CONTENTS ACRE-FEET	HENRYS FORK NEAR LAKE			STORED LOSS LAKE TO ISLAND PARK	STORED DIVERSIONS ABOVE ISLAND PARK	F.M. DIST. SHERIDAN CREEK RIGHT	STORED INFLOW TO ISLAND PARK RESERVOIR	DATE	ISLAND PARK RESERVOIR CONTENTS ACRE-FEET	HENRYS FORK NEAR ISLAND PARK			STORED LOSS ISLAND PARK TO ASHTON	DATE	HENRYS FORK NEAR ASHTON		
		STORED	NORMAL	TOTAL							STORED	NORMAL	TOTAL			STORED	NORMAL	TOTAL
JULY 5																		
6	79,400																	
7																		
8							12	12	JULY 6	134,395					JULY 7			
9							12	12	7	134,235	95	520	615	2	8	93	1237	1330
10							12	12	8	134,235	76	520	596	2	9	74	1186	1260
11							12	12	9	133,830	66	520	586	2	10	64	1126	1190
12							12	12	10	133,830	238	520	758	6	11	232	1318	1550
13							12	12	11	133,430	296	520	816	7	12	289	1191	1480
14							12	12	12	133,030	238	520	758	6	13	232	1188	1420
15							12	12	13	132,470	198	520	718	5	14	193	1167	1360
16							12	12	14	132,390	326	520	846	8	15	318	1212	1530
17						9	12	3	15	131,435	550	520	1070	14	16	536	1344	1880
18	78,100	81	34	115	3	9	12	3	16	130,245	680	520	1200	17	17	663	1257	1920
19		112	32	144	4	9	12	81	17	128,595	980	520	1500	24	18	956	1634	2490
20		114	30	144	5	9	12	111	18	126,405	1580	520	2100	39	19	1541	1649	3190
21		115	29	144	5	9	12	112	19	122,790	1970	520	2490	49	20	1921	1739	3060
22	77,300	119	28	147	5	9	12	113	20	118,860	1970	520	2490	49	21	1921	1739	3060
23		124	27	151	5	9	12	117	21	115,010	1980	520	2500	49	22	1931	1709	3040
24		128	26	154	5	9	12	122	22	111,305	1790	520	2310	45	23	1745	915	2660
25		257	25	282	10	9	12	126	23	108,800	1630	520	2150	40	24	1590	1130	2720
26		332	24	356	13	9	12	250	24	106,055	1550	520	2070	39	25	1511	1019	2530
27		331	23	354	13	9	12	322	25	103,490	1330	520	1850	33	26	1297	1063	2360
28		331	22	353	13	9	12	321	26	101,300	1240	520	1760	31	27	1209	991	2200
29		328	21	349	13	9	12	321	27	99,950	1020	520	1540	25	28	995	1005	2000
30		326	21	347	13	9	12	318	28	98,945	1020	520	1540	25	29	995	1065	2060
31		327	20	347	13	9	12	316	29	97,345	140	520	1660	28	30	1112	1108	2220
AUG 1	71,800	328	19	347	13	9	12	316	30	95,365	1230	520	1750	31	31	1199	1141	2340
2		326	19	345	13	9	12	317	31	93,545	1350	520	1870	34	AUG 1	1316	1124	2440
3		321	18	339	13	9	12	318	AUG 1	91,810	1350	520	1870	34	2	1316	1154	2470
4	69,300	359	18	377	14	9	12	316	2	89,785	1350	520	1870	34	3	1316	1174	2490
5		394	18	412	16	9	12	311	3	87,660	1450	520	1970	36	4	1414	1176	2590
6		387	17	404	16	9	12	348	4	85,325	1540	520	2060	38	5	1502	1258	2760
7		383	17	400	15	9	12	381	5	82,795	1580	520	2100	39	6	1541	1219	2760
8		375	17	392	15	9	12	374	6	80,255	1610	520	2130	40	7	1570	1230	2800
9		370	17	387	15	9	12	371	7	77,770	1420	520	1940	35	8	1385	1125	2510
10		360	17	377	14	9	12	363	8	75,855	1330	520	1850	34	9	1296	1254	2550
11		358	16	374	14	9	12	358	9	73,970	1330	520	1850	34	10	1296	1174	2470
12	63,200	320	16	336	13	9	12	349	10	72,070	1180	520	1700	29	11	1151	1129	2280
13		287	16	303	12	9	12	347	11	70,640	1040	520	1560	26	12	1014	1106	2120
14		282	16	298	11	9	12	310	12	69,285	910	520	1430	23	13	887	1273	2160
15		273	16	289	11	9	12	278	13	68,105	900	520	1420	22	14	878	1302	2180
16		268	16	284	11	9	12	274	14	67,140	890	520	1410	22	15	869	1252	2120
17		262	16	278	11	9	12	265	15	66,095	840	520	1360	21	16	819	1221	2040
18		257	16	273	10	9	12	260	16	65,455	680	520	1200	17	17	663	1197	1860
19	59,600	203	15	218	6	9	12	254	17	64,770	660	520	1180	16	18	644	1256	1900
20		152	15	167	6	9	12	250	18	63,760	660	520	1180	16	19	644	1256	1900
21		150	14	164	6	9	12	198	19	62,995	600	520	1120	15	20	585	1145	1730
22		146	14	160	6	9	12	149	20	62,195	580	520	1110	19	21	575	1335	1810
								147	21	61,360	740	520	1260	18	22	722	1438	2150
								143	22	59,810	840	520	1360	21	23	819	1361	2200
									23	58,520	820	520	1340	20	24	800	1340	2140

HENRYS FORK — DAILY SEGREGATION OF FLOW

24 HOUR SECOND-FOOT EXCEPT AS NOTED

HENRY'S LAKE STORAGE RELEASE ①	STORAGE DIVERSIONS ASHTON TO ST. ANTHONY	HENRYS FORK AT ST. ANTHONY			STORAGE DIVERSIONS STANTHONY TO REXBURG		DATE	HENRYS FORK NEAR REXBURG		
		STORED	NORMAL	TOTAL	HENRYS FORK	TETON RIVER		STORED	NORMAL	TOTAL
							JULY 8			
		187	-94	1144			9	-94		
		378	-304	1214			10	-304	1204	1110
		361	-317	1120		30	11	-347	1248	944
		388	-156	1236		12	12	-168	1189	842
		364	-75	1071		47	13	-122	1160	992
		336	-104	907		58	14	-162	988	866
		329	-136	868		732	15	-235	904	742
		343	-25	801		776	16	-230	870	635
		636	-100	990		890	17	-337	840	610
		856	-193	978		785	18	-844	947	610
		900	56	1084	302	349	19	-583	1459	615
27		818	749	1091	380	248	20	121	1533	950
50		908	1063	1767	348	220	21	495	1349	1470
50		891	1080	1700	322	246	22	512	915	1410
50		886	1095	1745	274	253	23	568	1008	1520
50		738	1057	1630	193	229	24	635	1182	1750
50		694	946	1610	193	230	25	523	1065	1700
50		777	784	1780	191	243	26	350	1367	1890
50		742	805	1540	176	231	27	198	1450	1800
50		713	546	1460	204	256	28	86	1412	1610
50		708	337	1100	220	201	29	-84	1244	1330
50		698	347	1100	250	162	30	-84	1174	1090
50		718	444	1140	167	156	31	-65	1115	1050
50		1111	138	1112	326	206	AUG. 1	121	929	1050
50		1263	103	1197	354	175	2	-394	1504	1110
100		1185	231	1029	428	161	3	-426	1476	1050
100		1245	171	1099	429	137	4	-358	1476	998
100		1233	281	1019	408	186	5	-395	1356	968
100		1246	356	1064	410	186	6	-313	1363	1060
100		1265	376	1084	406	177	7	-240	1373	1140
100		963	707	1083	244	183	8	-207	1380	1140
100		836	649	951	202	158	9	280	1647	1440
100		816	580	1100	170	99	10	289	1430	1710
100		749	647	1143	205	84	11	311	1430	1710
100		715	536	1094	204	79	12	358	1391	1680
100		738	376	1144	226	82	13	253	1382	1740
50		767	180	1220	298	111	14	253	1272	1340
50		736	203	1337	172	105	15	68	899	1470
50		701	227	1243	182	72	16	-229	764	1690
50		676	173	1287	185	63	17	-74	807	1780
50		634	29	1261	139	83	18	-75	785	1710
50		627	17	1243	141	61	19	-193	803	1610
50		647	-3	1203	218	93	20	-185	1675	1490
50		703	-118	1218	240	90	21	-314	1664	1350
50		736	-161	1221	195	89	22	-453	1583	1080
50		851	-129	1319	205	90	23	-448	1526	1130
50		878	-97	1297	207	90	24	-423	1553	1150
50		823	-23	1213	196	90	25	-354	1504	1160
								-309	1469	

DATE	HENRYS LAKE CONTENTS ACRE-FOOT	HENRYS FORK NEAR LAKE			STORED LOSS LAKE TO ISLAND PARK	STORED DIVERSIONS ABOVE ISLAND PARK	F.M. DIST. SHERIDAN CREEK RIGHT	STORE INFLOW ISLAND RESERV.
		STORED	NORMAL	TOTAL				
AUG 23		143	14	157	8	9	12	140
24		140	14	154	8	9	12	137
25		137	14	151	8	9	12	135
26		134	14	148	8	9	12	132
27		131	14	145	8	9	12	130
28		130	13	143	8	9	12	128
29	56,900	127	13	140	8	9	12	126
30		127	13	140	8	9	12	124
31		127	13	140	8	9	12	122
SEPT. 1		125	13	138	8	9	12	120
2		125	13	138	8	9	12	118
3		125	13	138	8	9	12	116
4		125	13	138	8	9	12	114
5		125	13	138	8	9	12	112
6		125	13	138	8	9	12	110
7		125	13	138	8	9	12	108
8		125	13	138	8	9	12	106
9		125	13	138	8	9	12	104
10		124	13	137	8	9	12	102
11		123	13	136	8	9	12	100
12		123	13	136	8	9	12	98
13		123	13	136	8	9	12	96
14		121	13	134	8	9	12	94
15		121	13	134	8	9	12	92
16		121	13	134	8	9	12	90
17		121	13	134	8	9	12	88
18		121	13	134	8	9	12	86
19	50,800	82	13	95	3	3	12	84
20		46	13	59	2	2	12	82
21		27	13	40	1	1	12	80
22		28	13	41	1	1	12	78
23		31	13	44	1	1	12	76
24		17	13	30	1	1	12	74
25		0	14	14				
TOTAL		13,236			529	479	972	13

1955

PLATE NO. 21

TO PARK OR	DATE	ISLAND PARK RESERVOIR CONTENTS ACRE- FEET	HENRYS FORK NEAR ISLAND PARK			STORED LOSS ISLAND PARK TO ASHTON	DATE	HENRYS FORK NEAR ASHTON			GRASSY LAKE STORAGE RELEASE ①	STORED DIVERSIONS ASHTON TO ST. ANTHONY	HENRYS FORK AT ST. ANTHONY			STORED DIVERSIONS ST. ANTHONY TO REXBURG		DATE	HENRYS FORK NEAR REXBURG		
			STORED	NORMAL	TOTAL			STORED	NORMAL	TOTAL			STORED	NORMAL	TOTAL	HENRYS FORK	TETON RIVER		STORED	NORMAL	TOTAL
	AUG 24	57,035	820	520	1340	20															
	25	55,675	800	520	1320	20	AUG 25	800													
	26	54,345	800	520	1320	20	26	780	1360	2160											
	27	53,045	730	520	1250	18	27	780	1400	2180		828	-29	1269	1240	194	77	AUG 28	-300	1570	1270
	28	51,775	550	520	1070	14	28	712	1340	2120		805	-25	1365	1340	139	57	27	-221	1681	1460
	29	51,075	461	520	981	11	29	536	1228	1940		501	279	1301	1580	99	46	28	134	1586	1720
	30	50,460	490	520	1010	12	30	450	1124	1650		360	352	1296	1650	102	44	29	206	1474	1660
	31	49,660	490	520	1010	12	31	478	1160	1610		392	144	1276	1420	101	51	30	-8	1516	1510
SEPT	1	48,860	480	520	1000	12	SEPT 1	478	1152	1630		528	-78	1378	1300	92	71	31	-241	1601	1360
	2	46,510	472	520	992	12	2	468	1132	1610		524	-46	1236	1190	90	70	SEPT 1	-206	1446	1240
	3	47,705	550	520	1070	16	3	460	1142	1610		564	-86	1246	1160	128	66	2	-380	1540	1160
	4	46,320	740	520	1260	18	4	534	1140	1600		621	-153	1263	1110	130	64	3	-347	1407	1060
	5	44,835	760	520	1280	19	5	722	1236	1770		614	-154	1244	1090	202	69	4	-425	1425	998
	6	43,535	730	520	1250	18	6	741	1318	2040		583	-49	1239	1190	283	63	5	-395	1315	1120
	7	42,235	720	520	1240	18	7	712	1239	1980		682	40	1360	1400	289	58	6	-307	1517	1210
	8	41,460	270	520	790	7	8	702	1148	1860		672	69	1291	1360	289	35	7	-255	1425	1170
	9	40,435	730	520	1250	18	9	263	876	1580		636	76	1214	1290	295	36	8	-255	1415	1160
	10	39,140	670	520	1190	17	10	712	1237	1500		586	116	1044	1160	295	34	9	-213	1223	1010
	11	37,875	620	520	1140	15	11	653	1186	1900		610	-347	1397	1050	251	33	10	-641	1831	1190
	12	36,860	580	520	1100	14	12	605	1207	1860		623	89	1321	1410	255	42	11	-248	1478	1270
	13	35,770	590	520	1110	15	13	566	1115	1720		611	42	1298	1340	292	45	12	-295	1515	1220
	14	34,695	590	520	1110	15	14	575	1094	1680		599	6	1244	1250	248	47	13	-289	1369	1080
	15	33,815	630	510	1140	16	15	575	1125	1700		585	-19	1139	1120	203	41	14	-263	1303	1040
	16	32,835	700	510	1210	17	16	614	1176	1790		500	-25	1165	1140	227	91	15	-313	1343	1030
	17	31,725	570	510	1080	14	17	683	1107	1790		599	-24	1144	1120	200	91	16	-315	1415	1100
	18	30,790	570	510	1080	14	18	556	1124	1680		541	73	1127	1200	133	94	17	-154	1414	1260
	19	29,945	530	510	1040	13	19	556	1124	1680		543	140	1100	1240	133	117	18	-110	1410	1300
	20	29,370	432	508	940	11	20	517	1093	1610		489	67	1093	1160	112	122	19	-167	1477	1310
	21	28,720	425	500	925	11	21	421	1079	1500		476	80	1160	1240	58	126	20	-114	1534	1420
	22	28,065	365	500	865	9	22	414	1026	1440		479	38	1252	1290	71	155	21	-188	1598	1410
	23	27,500	306	500	806	8	23	356	974	1330		480	-59	1259	1200	68	150	22	-277	1667	1390
	24	27,015	228	500	728	6	24	298	1032	1330		474	-60	1230	1170	66	127	23	-253	1633	1380
	25	26,715	96	500	596	2	25	222	1038	1260		374	-18	1178	1160	66	115	24	-199	1649	1450
							26	94	996	1090		382	-84	1374	1290	42	53	25	-179	1669	1490
							27	0				250	-28	1228	1200	38	48	26	-114	1624	1510
												249	-155	1365	1210	32	15	27	-102	1632	1530
																		28	0		

① LISTED HERE ONE DAY LATER THAN RELEASE FROM RESERVOIR

STORAGE D

19

24 HOUR SECOND-FEET EXCEPT AS NOTED

AUGUST

S E P T

- ① BOA F FROM
② RENTED F
③ ALLOTMENT

1955

T E M B E R

PLATE NO 22

15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	NO	TOTAL		RESERVOIR ALLOTMENTS IN ACRE- FEET						RENTALS	TOTAL	HEADGATE EQUIVALENT
																	SECOND- FEET	ACRE- FEET	FREMONT MADISON	HENRYS LAKE	AMERICAN FALLS	JACKSON LAKE					
5	5	5	0													1	479	950	470					① 480	950	950	
15	15	15	15	15	15	15	15	15	15	15	15	0				2	350	695	713								
2	2	0														3	1,625	3,223	2,119					② 1,187	3,306	3,223	
4	4	4	4	4	4	4	4	4	4	4	4	4	0			4	375	744	56					② 697	763	744	
8	8	8	8	8	8	7	8	8	8	8	8	8				5	369	732	110					② 640	750	732	
88	87	83	82	70	70	70	28	28	42	44	44					6	731	1,450	1,590								
26																7	11,383	22,578	③ 22,774					② 1,820	24,594	23,983	
																8	3,736	7,410	④ 7,599								
110	118	121	121	118	121	123	123	123	123	123	123					9	64	127						② 130	130	127	
																10	11,796	23,397	10,126		2,882	13,189					
																11	49	97	140								
																12	499	990	⑤ 7,942								
							0	19	19	19	18	18				13	28	56	80								
																14	811	1,609	⑥ 1,690					② 60	1,750	1,706	
																15	39	77	504								
																16	14	28	60								
10	11	12	10	10	9	9	8	7	8	7	5					17	908	1,801	⑦ 858	1,060				② 160	2,098	2,004	
49	49	49	49	49	49	49	49	31	31	31	31					18	4,570	9,065	1,800	10,400							
																19	1,089	2,160	3,494	5,110							
64	43	38	33	35	35	36	54	0								20	4,181	8,293	⑧ 6,681					② 2,176	8,857	8,636	
79	58	64	25	26	27	26	26	27	20	0						21	4,034	8,001	6,471					② 2,700	9,171	8,943	
138	140	143	140	140	140	140	140	112	112	0						22	7,741	15,354	7,759	18,200							
599	541	543	489	476	479	480	474	374	382	250	249					23	54,392	107,887	82,576	34,790	2,882	13,189	9,570	143,007	137,326		
																24	0	0	2,389	5,110							
																25	11,369	22,550	9,043	20,100							
131	64	64	43	42	42	42	42	42	42	38	32					26	3,867	7,670	4,960	15,100							
69	69	69	69	26	29	26	24	24	0							27	15,236	30,220	16,392	40,310							
200	133	133	112	68	71	68	66	66	42	38	32																

ENT 9,430 LESS 1,831 TO MARYSVILLE

⑥ ALLOTMENT 1,550 PLUS 40 FROM FALL RIVER CANAL

400 FROM F. M. DIST

M. DIST.

3 PLUS 1,831 FROM FARMERS OWN

④

⑤

ALLOTMENT 9,430 LESS 1,831 TO MARYSVILLE
 8,212 ALLOTMENT LESS 200 TO FARMERS FRIEND,
 40 TO CHESTER AND 30 TO GARDNER

⑥

⑦

⑧

ALLOTMENT 1,550 PLUS 40 FROM FALL RIVER CANAL
 ALLOTMENT 694 PLUS 164 FROM TETON IRRIGATION CANAL
 ALLOTMENT 6,491 PLUS 200 FROM FALL RIVER CANAL,
 LESS 10 TO PIONEER

STORAGE DIVERSIONS FROM TETON RIVER 1955

24 HOUR SECOND-FEET EXCEPT AS NOTED

AUGUST

- ① RENTED FROM FREMONT MADISON
- ② LINE 8 DIVIDED BY 1.625, ONE PA
- ③ 184 A.C. TO SEWEY; 55 TO STEWART, FA

(7) FROM WOODMANSEE JOHNSON TO CITY OF REXBURG
(8) 62 A F FROM TETON IRRIGATION; 40 FROM TETON ISLAND FEEDER (WOLF)
(9) 40 A F TO BIGLER SLOUGH

1955

24 HOUR SECOND-FEET

JULY

SEPTEMBER

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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[illegible]

317860	318110	318540	319180	320040	320900	321750	322610	323260	324120	324970	325620	327120	327770	328200	329070	329940	330810	331680	332540	333200	334060	334710	336020	336880	338150	339630	340570	341010	341010	
367020	367680	368120	369430	370090	370970	371640	372300	373190	374070	374740	375620	376510	378720	379610	380270	380940	381600	382490	382930	383600	384260	385150	385590	386260	386700	387140	387580	388470	389130	390680
395140	396480	397370	398040	398710	399160	399610	400280	400950	401400	402290	403410	404080	404750	405420	406090	406540	406990	407430	408100	408550	409000	409450	410120	411010	411910	413020	4141150	417180	4172700	4173840
4117740	413640	4193320	416000	416460	416910	417590	418050	418960	4150320	4152820	4153960	4156010	4157140	4158280	4158960	4160100	4161240	4162160	4162850	4163760	4165140	4166740	4167660	4168580	4169490	4170410	4171100	4171780	4172700	4173840
4117740	413640	4193320	416000	416460	416910	417590	418050	418960	4150320	4152820	4153960	4156010	4157140	4158280	4158960	4160100	4161240	4162160	4162850	4163760	4165140	4166740	4167660	4168580	4169490	4170410	4171100	4171780	4172700	4173840
4117740	413640	4193320	416000	416460	416910	417590	418050	418960	4150320	4152820	4153960	4156010	4157140	4158280	4158960	4160100	4161240	4162160	4162850	4163760	4165140	4166740	4167660	4168580	4169490	4170410	4171100	4171780	4172700	4173840
4117740	413640	4193320	416000	416460	416910	417590	418050	418960	4150320	4152820	4153960	4156010	4157140	4158280	4158960	4160100	4161240	4162160	4162850	4163760	4165140	4166740	4167660	4168580	4169490	4170410	4171100	4171780	4172700	4173840
4117740	413640	4193320	416000	416460	416910	417590	418050	418960	4150320	4152820	4153960	4156010	4157140	4158280	4158960	4160100	4161240	4162160	4162850	4163760	4165140	4166740	4167660	4168580	4169490	4170410	4171100	4171780	4172700	4173840
4117740	413640	4193320	416000	416460	416910	417590	418050	418960	4150320	4152820	4153960	4156010	4157140	4158280	4158960	4160100	4161240	4162160	4162850	4163760	4165140	4166740	4167660	4168580	4169490	4170410	4171100	4171780	4172700	4173840
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4117740	413640	4193320	416000	416460	416910	417590	418050	418960	4150320	4152820	4153960	4156010	4157140	4158280	4158960	4160100	4161240	4162160	4162850	4163760	4165140	4166740	4167660							

[illegible][illegible]

36.8	32.9	32.0	30.0	24.6	23.1	25.9	12.6	17.6	72.1	44.6	38.2
2,260	1,960	1,970	1,840	1,360	1,420	1,540	7,620	10,480	4,430	2,760	2,270

2,730	2,500	2,086	1,948	1,941	1,890	2,584	7,847	13,730	11,670	8,445	5,813
167,900	118,800	128,300	119,800	107,800	116,200	153,800	481,500	816,900	717,500	519,200	351,800

5,291
3,829,500
4,090,900

2660	2680	2700	2720	2730	2750	2770	2790	2810	2830	2850	2870	2890	2910	2930	2950	2970	2990	3010	3030	3050	3070	3090	3110	3130	3150	3170	3190	3210	3230	3250	3270	3290	3310	3330	3350	3370	3390	3410	3430	3450	3470	3490	3510	3530	3550	3570	3590	3610	3630	3650	3670	3690	3710	3730	3750	3770	3790	3810	3830	3850	3870	3890	3910	3930	3950	3970	3990	4010	4030	4050	4070	4090	4110	4130	4150	4170	4190	4210	4230	4250	4270	4290	4310	4330	4350	4370	4390	4410	4430	4450	4470	4490	4510	4530	4550	4570	4590	4610	4630	4650	4670	4690	4710	4730	4750	4770	4790	4810	4830	4850	4870	4890	4910	4930	4950	4970	4990	5010	5030	5050	5070	5090	5110	5130	5150	5170	5190	5210	5230	5250	5270	5290	5310	5330	5350	5370	5390	5410	5430	5450	5470	5490	5510	5530	5550	5570	5590	5610	5630	5650	5670	5690	5710	5730	5750	5770	5790	5810	5830	5850	5870	5890	5910	5930	5950	5970	5990	6010	6030	6050	6070	6090	6110	6130	6150	6170	6190	6210	6230	6250	6270	6290	6310	6330	6350	6370	6390	6410	6430	6450	6470	6490	6510	6530	6550	6570	6590	6610	6630	6650	6670	6690	6710	6730	6750	6770	6790	6810	6830	6850	6870	6890	6910	6930	6950	6970	6990	7010	7030	7050	7070	7090	7110	7130	7150	7170	7190	7210	7230	7250	7270	7290	7310	7330	7350	7370	7390	7410	7430	7450	7470	7490	7510	7530	7550	7570	7590	7610	7630	7650	7670	7690	7710	7730	7750	7770	7790	7810	7830	7850	7870	7890	7910	7930	7950	7970	7990	8010	8030	8050	8070	8090	8110	8130	8150	8170	8190	8210	8230	8250	8270	8290	8310	8330	8350	8370	8390	8410	8430	8450	8470	8490	8510	8530	8550	8570	8590	8610	8630	8650	8670	8690	8710	8730	8750	8770	8790	8810	8830	8850	8870	8890	8910	8930	8950	8970	8990	9010	9030	9050	9070	9090	9110	9130	9150	9170	9190	9210	9230	9250	9270	9290	9310	9330	9350	9370	9390	9410	9430	9450	9470	9490	9510	9530	9550	9570	9590	9610	9630	9650	9670	9690	9710	9730	9750	9770	9790	9810	9830	9850	9870	9890	9910	9930	9950	9970	9990	10010	10030	10050	10070	10090	10110	10130	10150	10170	10190	10210	10230	10250	10270	10290	10310	10330	10350	10370	10390	10410	10430	10450	10470	10490	10510	10530	10550	10570	10590	10610	10630	10650	10670	10690	10710	10730	10750	10770	10790	10810	10830	10850	10870	10890	10910	10930	10950	10970	10990	11010	11030	11050	11070	11090	11110	11130	11150	11170	11190	11210	11230	11250	11270	11290	11310	11330	11350	11370	11390	11410	11430	11450	11470	11490	11510	11530	11550	11570	11590	11610	11630	11650	11670	11690	11710	11730	11750	11770	11790	11810	11830	11850	11870	11890	11910	11930	11950	11970	11990	12010	12030	12050	12070	12090	12110	12130	12150	12170	12190	12210	12230	12250	12270	12290	12310	12330	12350	12370	12390	12410	12430	12450	12470	12490	12510	12530	12550	12570	12590	12610	12630	12650	12670	12690	12710	12730	12750	12770	12790	12810	12830	12850	12870	12890	12910	12930	12950	12970	12990	13010	13030	13050	13070	13090	13110	13130	13150	13170	13190	13210	13230	13250	13270	13290	13310	13330	13350	13370	13390	13410	13430	13450	13470	13490	13510	13530	13550	13570	13590	13610	13630	13650	13670	13690	13710	13730	13750	13770	13790	13810	13830	13850	13870	13890	13910	13930	13950	13970	13990	14010	14030	14050	14070	14090	14110	14130	14150	14170	14190	14210	14230	14250	14270	14290	14310	14330	14350	14370	14390	14410	14430	14450	14470	14490	14510	14530	14550	14570	14590	14610	14630	14650	14670	14690	14710	14730	14750	14770	14790	14810	14830	14850	14870	14890	14910	14930	14950	14970	14990	15010	15030	15050	15070	15090	15110	15130	15150	15170	15190	15210	15230	15250	15270	15290	15310	15330	15350	15370	15390	15410	15430	15450	15470	15490	15510	15530	15550	15570	15590	15610	15630	15650	15670	15690	15710	15730	15750	15770	15790	15810	15830	15850	15870	15890	15910	15930	15950	15970	15990	16010	16030	16050	16070	16090	16110	16130	16150	16170	16190	16210	16230	16250	16270	16290	16310	16330	16350	16370	16390	16410	16430	16450	16470	16490	16510	16530	16550	16570	16590	16610	16630	16650	16670	16690	16710	16730	16750	16770	16790	16810	16830	16850	16870	16890	16910	16930	16950	16970	16990	17010	17030	17050	17070	17090	17110	17130	17150	17170	17190	17210	17230	17250	17270	17290	17310	17330	17350	17370	17390	17410	17430	17450	17470	17490	17510	17530	17550	17570	17590	17610	17630	17650	17670	17690	17710	17730	17750	17770	17790	17810	17830	17850	17870	17890	17910	17930	17950	17970	17990	18010	18030	18050	18070	18090	18110	18130	18150	18170	18190	18210	18230	18250	18270	18290	18310	18330	18350	18370	18390	18410	18430	18450	18470	18490	18510	18530	18550	18570	18590	18610	18630	18650	18670	18690	18710	18730	18750	18770	18790	18810	18830	18850	18870	18890	18910	18930	18950	18970	18990	19010	19030	19050	19070	19090	19110	19130	19150	19170	19190	19210	19230	19250	19270	19290	19310	19330	19350	19370	19390	19410	19430	19450	19470	19490	19510	19530	19550	19570	19590	19610	19630	19650	19670	19690	19710	19730	19750	19770	19790	19810	19830	19850	19870	19890	19910	19930	19950	19970	19990	20010	20030	20050	20070	20090	20110	20130	20150	20170	20190	20210	20230	20250	20270	20290	20310	20330	20350	20370	20390	20410	20430	20450	20470	20490	20510	20530	20550	20570	20590	20610	20630	20650	20670	20690	20710	20730	20750	20770	20790	20810	20830	20850	20870	20890	20910	20930	20950	20970	20990	21010	21030	21050	21070	21090	21110	21130	21150	21170	21190	21210	21230
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502	236	108	10.3	26.4	34.2	44.8	906	872	1,340	1,470	952
30,840	14,050	6,650	631	1,470	21,050	26,640	55,710	51,900	82,420	90,390	56,630

[illegible]

[illegible]

539	516	695	1,50	1,28	373	1,22	1,487	2,281	787	625	610
30,570	30,570	30,120	27,670	23,770	22,930	25,110	91,610	135,700	48,380	26,160	26,600

[illegible]

[illegible][illegible]

[illegible]

298	293	233	208	196	190	306	269	464	424	362	293
18,310	17,420	14,320	12,760	10,880	11,690	18,100	16,540	27,580	26,070	22,260	17,450

[illegible]

1.718	1.555	1.409	1.311	1.764	1.940	2.576	2.618	1.257	1.399	1.262
105.600	95.620	86.620	72.830	108.600	115.500	158.400	155.800	27.290	86.020	25.090

1870	1860	1850	1840	1830	1820	1810	1800	1790	1780	1770	1760	1750	1740	1730	1720	1710	1700	1690	1680	1670	1660	1650	1640	1630	1620	1610	1600	1590	1580	1570	1560	1550	1540	1530	1520	1510	1500	1490	1480	1470	1460	1450	1440	1430	1420	1410	1400	1390	1380	1370	1360	1350	1340	1330	1320	1310	1300	1290	1280	1270	1260	1250	1240	1230	1220	1210	1200	1190	1180	1170	1160	1150	1140	1130	1120	1110	1100	1090	1080	1070	1060	1050	1040	1030	1020	1010	1000	990	980	970	960	950	940	930	920	910	900	890	880	870	860	850	840	830	820	810	800	790	780	770	760	750	740	730	720	710	700	690	680	670	660	650	640	630	620	610	600	590	580	570	560	550	540	530	520	510	500	490	480	470	460	450	440	430	420	410	400	390	380	370	360	350	340	330	320	310	300	290	280	270	260	250	240	230	220	210	200	190	180	170	160	150	140	130	120	110	100	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100	-110	-120	-130	-140	-150	-160	-170	-180	-190	-200	-210	-220	-230	-240	-250	-260	-270	-280	-290	-300	-310	-320	-330	-340	-350	-360	-370	-380	-390	-400	-410	-420	-430	-440	-450	-460	-470	-480	-490	-500	-510	-520	-530	-540	-550	-560	-570	-580	-590	-600	-610	-620	-630	-640	-650	-660	-670	-680	-690	-700	-710	-720	-730	-740	-750	-760	-770	-780	-790	-800	-810	-820	-830	-840	-850	-860	-870	-880	-890	-900	-910	-920	-930	-940	-950	-960	-970	-980	-990	-1000	-1010	-1020	-1030	-1040	-1050	-1060	-1070	-1080	-1090	-1100	-1110	-1120	-1130	-1140	-1150	-1160	-1170	-1180	-1190	-1200	-1210	-1220	-1230	-1240	-1250	-1260	-1270	-1280	-1290	-1300	-1310	-1320	-1330	-1340	-1350	-1360	-1370	-1380	-1390	-1400	-1410	-1420	-1430	-1440	-1450	-1460	-1470	-1480	-1490	-1500	-1510	-1520	-1530	-1540	-1550	-1560	-1570	-1580	-1590	-1600	-1610	-1620	-1630	-1640	-1650	-1660	-1670	-1680	-1690	-1700	-1710	-1720	-1730	-1740	-1750	-1760	-1770	-1780	-1790	-1800	-1810	-1820	-1830	-1840	-1850	-1860	-1870	-1880	-1890	-1900	-1910	-1920	-1930	-1940	-1950	-1960	-1970	-1980	-1990	-2000	-2010	-2020	-2030	-2040	-2050	-2060	-2070	-2080	-2090	-2100	-2110	-2120	-2130	-2140	-2150	-2160	-2170	-2180	-2190	-2200	-2210	-2220	-2230	-2240	-2250	-2260	-2270	-2280	-2290	-2300	-2310	-2320	-2330	-2340	-2350	-2360	-2370	-2380	-2390	-2400	-2410	-2420	-2430	-2440	-2450	-2460	-2470	-2480	-2490	-2500	-2510	-2520	-2530	-2540	-2550	-2560	-2570	-2580	-2590	-2600	-2610	-2620	-2630	-2640	-2650	-2660	-2670	-2680	-2690	-2700	-2710	-2720	-2730	-2740	-2750	-2760	-2770	-2780	-2790	-2800	-2810	-2820	-2830	-2840	-2850	-2860	-2870	-2880	-2890	-2900	-2910	-2920	-2930	-2940	-2950	-2960	-2970	-2980	-2990	-3000	-3010	-3020	-3030	-3040	-3050	-3060	-3070	-3080	-3090	-3100	-3110	-3120	-3130	-3140	-3150	-3160	-3170	-3180	-3190	-3200	-3210	-3220	-3230	-3240	-3250	-3260	-3270	-3280	-3290	-3300	-3310	-3320	-3330	-3340	-3350	-3360	-3370	-3380	-3390	-3400	-3410	-3420	-3430	-3440	-3450	-3460	-3470	-3480	-3490	-3500	-3510	-3520	-3530	-3540	-3550	-3560	-3570	-3580	-3590	-3600	-3610	-3620	-3630	-3640	-3650	-3660	-3670	-3680	-3690	-3700	-3710	-3720	-3730	-3740	-3750	-3760	-3770	-3780	-3790	-3800	-3810	-3820	-3830	-3840	-3850	-3860	-3870	-3880	-3890	-3900	-3910	-3920	-3930	-3940	-3950	-3960	-3970	-3980	-3990	-4000	-4010	-4020	-4030	-4040	-4050	-4060	-4070	-4080	-4090	-4100	-4110	-4120	-4130	-4140	-4150	-4160	-4170	-4180	-4190	-4200	-4210	-4220	-4230	-4240	-4250	-4260	-4270	-4280	-4290	-4300	-4310	-4320	-4330	-4340	-4350	-4360	-4370	-4380	-4390	-4400	-4410	-4420	-4430	-4440	-4450	-4460	-4470	-4480	-4490	-4500	-4510	-4520	-4530	-4540	-4550	-4560	-4570	-4580	-4590	-4600	-4610	-4620	-4630	-4640	-4650	-4660	-4670	-4680	-4690	-4700	-4710	-4720	-4730	-4740	-4750	-4760	-4770	-4780	-4790	-4800	-4810	-4820	-4830	-4840	-4850	-4860	-4870	-4880	-4890	-4900	-4910	-4920	-4930	-4940	-4950	-4960	-4970	-4980	-4990	-5000	-5010	-5020	-5030	-5040	-5050	-5060	-5070	-5080	-5090	-5100	-5110	-5120	-5130	-5140	-5150	-5160	-5170	-5180	-5190	-5200	-5210	-5220	-5230	-5240	-5250	-5260	-5270	-5280	-5290	-5300	-5310	-5320	-5330	-5340	-5350	-5360	-5370	-5380	-5390	-5400	-5410	-5420	-5430	-5440	-5450	-5460	-5470	-5480	-5490	-5500	-5510	-5520	-5530	-5540	-5550	-5560	-5570	-5580	-5590	-5600	-5610	-5620	-5630	-5640	-5650	-5660	-5670	-5680	-5690	-5700	-5710	-5720	-5730	-5740	-5750	-5760	-5770	-5780	-5790	-5800	-5810	-5820	-5830	-5840	-5850	-5860	-5870	-5880	-5890	-5900	-5910	-5920	-5930	-5940	-5950	-5960	-5970	-5980	-5990	-6000	-6010	-6020	-6030	-6040	-6050	-6060	-6070	-6080	-6090	-6100	-6110	-6120	-6130	-6140	-6150	-6160	-6170	-6180	-6190	-6200	-6210	-6220	-6230	-6240	-6250	-6260	-6270	-6280	-6290	-6300	-6310	-6320	-6330	-6340	-6350	-6360	-6370	-6380	-6390	-6400	-6410	-6420	-6430	-6440	-6450	-6460	-6470	-6480	-6490	-6500	-6510	-6520	-6530	-6540	-6550	-6560	-6570	-6580	-6590	-6600	-6610	-6620	-6630	-6640	-6650	-6660	-6670	-6680	-6690	-6700	-6710	-6720	-6730	-6740	-6750	-6760	-6770	-6780	-6790	-6800	-6810	-6820	-6830	-6840	-6850	-6860	-6870	-6880	-6890	-6900	-6910	-6920	-6930	-6940	-6950	-6960	-6970	-6980	-6990	-7000	-7010	-7020	-7030	-7040	-7050	-7060	-7070	-7080	-7090	-7100	-7110	-7120	-7130	-7140	-7150	-7160	-7170	-7180	-7190	-7200	-7210	-7220	-7230	-7240	-7250	-7260	-7270	-7280	-7290	-7300	-7310	-7320	-7330	-7340	-7350	-7360	-7370	-7380	-7390	-7400	-7410	-7420	-7430	-7440	-7450	-7460	-7470	-7480	-7490	-7500	-7510	-7520	-7530	-7540	-7550	-7560	-7570	-7580	-7590	-7600	-7610	-7620	-7630	-7640	-7650	-7660	-7670	-7680	-7690	-7700	-7710	-7720	-7730	-7740	-7750	-7760	-7770	-7780	-7790	-7800	-7810	-7820	-7830	-7840	-7850	-7860	-7870	-7880	-7890	-7900	-7910	-7920	-7930	-7940	-7950	-7960	-7970	-7980	-7990	-8000	-8010	-8020	-8030	-8040	-8050	-8060	-8070	-8080	-8090	-8100	-8110	-8120	-8130	-8140	-8150	-8160	-8170	-8180	-8190	-8200	-8210	-8220	-8230	-8240	-8250	-8260	-8270	-8280	-8290	-8300	-8310	-8320	-8330	-8340	-8350	-8360	-8370	-8380	-8390	-8400	-8410	-8420	-8430	-8440	-8450	-8460	-8470	-8480	-8490	-8500	-8510	-8520	-8530	-8540	-8550	-8560	-8570	-8580	-8590	-8600	-8610	-8620	-8630	-8640	-8650	-8660	-8670	-8680	-8690	-8700	-8710	-8720	-8730	-8740	-8750	-8760	-8770	-8780	-8790	-8800	-8810	-8820	-8830	-8840	-8850	-8860	-8870	-8880	-8890	-8900	-8910	-8920	-8930	-8940	-8950	-8960	-8970	-8980	-8990	-9000	-9010	-9020	-9030	-9040	-9050	-9060	-9070	-9080	-9090	-9100	-9110	-9120	-9130	-9140	-9150	-9160	-9170	-9180	-9190	-9200	-9210	-9220	-9230	-9240	-9250	-9260	-9270	-9280	-9290	-9300	-9310	-9320	-9330	-9340	-9350	-9360	-9370	-9380	-9390	-9400	-9410	-9420	-9430	-9440	-9450	-9460	-9470	-9480	-9490	-9500	-9510	-9520	-9530	-9540	-9550	-9560	-9570	-9580	-9590	-9600	-9610	-9620	-9630	-9640	-9650	-9660	-9670	-9680	-9690	-9700	-9710	-9720	-9730	-9740	-9750	-9760	-9770	-9780	-9790	-9800	-9810	-9820	-9830	-9840	-9850	-9860	-9870	-9880	-9890	-9900	-9910	-9920	-9930	-9940	-9950	-9960	-9970	-9980	-9990	-10000
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3,038	3,457	2,823	2,716	2,715	3,252	4,104	8,151	10,060	5,505	3,922	2,655
186,800	205,700	173,600	167,000	150,800	200,000	274,200	501,200	598,700	338,500	241,100	158,000

[illegible]

[illegible][illegible]

[illegible][illegible]

98.2	171	233	225	230	268	308	167	94.7	39.3	59.6	69.2
6,070	10,200	11,310	13,810	12,780	16,480	18,350	10,270	5,630	2,410	1,670	4,130

[illegible]

1791	1792	1793	1794	1795	1796	1797	1798	1799	1800	1801	1802	1803	1804	1805	1806	1807	1808	1809	1810	1811	1812	1813	1814	1815	1816	1817	1818	1819	1820	1821	1822	1823	1824	1825	1826	1827	1828	1829	1830	1831	1832	1833	1834	1835	1836	1837	1838	1839	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	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Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
685						0	306	1260	1170	1620	1380
670						0	358	1170	1160	1590	1410
646						0	382	1060	1150	1590	1400
630						0	417	1030	1150	1590	1380
670						0	546	1060	1250	1580	1380
656						0	728	1140	1450	1490	1380
656						0	826	1320	1530	1410	1360
690						0	958	1510	1590	1360	1310
696						0	1140	1560	1680	1320	1250
664						0	1290	1580	1690	1350	1170
630						0	1480	1630	1690	1390	1150
620						0	1560	1660	1690	1460	1110
521						0	1600	1650	1700	1480	1090
363						0	1620	1630	1700	1450	1080
314						0	1640	1370	1710	1380	1050
320						0	1640	1120	1740	1340	981
312						0	1630	1010	1760	1330	875
314						93	1630	979	1770	1370	720
320						159	1620	979	1770	1350	600
324						233	1620	1010	1760	1260	564
329						269	1610	1070	1760	1230	556
391						227	1610	1270	1760	1290	556
329						208	1620	1380	1730	1380	554
320						208	1650	1350	1700	1430	552
110						209	1650	1270	1680	1470	552
0						234	1610	1290	1700	1460	570
0						251	1530	1380	1700	1440	582
0						252	1490	1470	1690	1420	602
0						251	1490	1370	1660	1400	616
0						290	1410	1190	1640	1380	616

21,020	0	0	0	0	0	5,720	79,210	76,910	98,700	87,250	56,320
391	0	0	0	0	0	96.1	1,289	1,293	1,605	1,419	947

Month	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.	686	694	582	556	549	564	576	564	547	511	476	464	425	379	321	311	237	193	199	234	265	273	275	258	307	464	462	172	0	0	0
Nov.																															
Dec.																															
Jan.																															
Feb.																															
Mar.																															
Apr.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	177	210	248	286	278	296	311	309	305	282	271	273	263	263	267	
May	307	341	370	385	411	574	694	788	946	1060	1200	1260	1270	1270	1280	1110	989	854	785	790	833	1010	1130	1180	1180	1160	1160	1160	1150	1000	
June	1130	1050	940	824	833	1110	1210	1250	1270	1290	1300	1320	1330	1320	1280	1110	989	854	785	790	833	1010	1130	1180	1180	1160	1160	1160	1150	1000	
July	880	854	886	886	1040	1230	1230	1270	1280	1290	1290	1300	1310	1330	1360	1380	1390	1390	1390	1330	1330	1340	1350	1350	1310	1320	1310	1300	1290	1270	1250
Aug.	1250	1240	1240	1240	1230	1210	1210	1220	1190	1190	1210	1240	1230	1200	1130	1050	1060	1070	995	845	827	907	1060	1180	1200	1160	1130	1120	1100	1080	1100
Sept.	1160	1210	1210	1210	1210	1250	1260	1230	1210	1170	1100	1130	1080	1050	1040	949	851	718	599	530	487	476	439	385	389	444	446	455	444	416	

22,780	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
34.70	28.40	27.30	24.20	26.10	16.90	59.20	68.90	87.80	87.30	90.50	81.50
34.50	28.80	27.90	25.40	25.70	20.40	62.60	59.00	86.40	81.50	91.70	81.20
28.70	27.20	28.20	25.70	22.60	19.50	60.30	50.00	86.70	79.00	93.60	82.60
30.50	26.50	29.30	26.60	21.90	18.60	56.40	45.40	86.10	81.50	95.10	83.80
24.90	26.30	26.10	26.90	22.00	18.40	54.10	51.40	88.10	83.80	93.90	82.60
25.30	26.80	25.30	27.00	21.20	18.20	51.70	55.60	86.70	87.30	89.60	81.00
32.30	26.70	26.70	27.00	21.50	17.70	49.00	62.60	88.40	92.00	88.10	80.40
28.10	27.10	26.80	27.00	13.90	18.50	49.00	70.20	92.30	88.70	89.30	80.70
29.60	27.30	33.90	27.00	13.60	19.60	48.80	71.60	95.10	89.60	87.60	80.10
29.60	26.90	27.70	27.00	12.20	23.10	51.20	74.50	93.90	92.00	87.80	79.80
30.80	26.80	27.30	27.00	13.40	26.80	50.50	81.20	96.10	92.00	88.40	80.40
29.00	26.70	27.00	27.00	12.80	26.10	50.00	89.00	98.00	90.20	89.00	82.10
29.20	26.50	25.80	27.00	11.70	25.50	61.30	96.10	96.40	90.80	89.30	79.00
31.90	26.70	26.20	27.00	11.40	28.00	72.10	97.70	95.70	91.10	88.10	76.80
29.10	27.50	26.80	26.80	12.20	26.80	72.40	89.00	93.90	92.30	85.50	76.80
28.60	28.60	27.70	26.60	12.10	27.10	72.10	82.60	91.40	92.30	83.20	75.90
29.20	26.40	27.70	26.10	13.60	30.30	72.10	82.60	88.10	93.60	83.20	74.00
28.50	25.60	30.90	26.40	11.50	30.50	73.40	85.50	87.80	90.80	83.80	69.90
29.70	26.40	32.80	26.40	11.50	31.90	63.20	83.80	89.90	89.60	86.10	66.20
28.20	28.20	29.80	26.30	11.50	29.70	49.80	87.00	90.20	89.30	87.60	60.80
28.40	26.80	29.00	26.10	11.50	31.60	61.30	91.10	88.70	89.30	85.20	57.40
29.20	25.80	27.70	25.60	11.50	33.40	72.60	94.80	88.70	89.00	85.20	54.10
29.60	25.20	28.40	26.10	11.50	32.10	69.70	91.40	92.30	91.70	82.90	53.60
28.80	26.80	27.30	25.70	11.50	35.50	68.60	95.40	94.80	93.60	82.90	52.40
29.10	27.40	27.40	25.60	12.20	31.40	68.90	92.60	89.90	91.10	85.20	48.60
28.70	29.90	28.20	26.20	11.60	38.10	70.20	90.80	88.70	91.40	86.10	45.60
28.30	28.10	25.20	25.40	12.10	44.20	71.60	91.70	89.90	94.20	83.80	46.30
28.30	25.50	28.00	25.60	12.10	44.40	68.90	84.90	92.00	93.90	81.50	45.10
28.20	27.00	27.50	25.90	---	50.00	68.60	83.80	94.50	91.70	82.90	35.30
28.00	25.80	24.80	25.70	---	61.00	68.60	85.50	86.40	89.90	84.40	30.40

2,928	2,699	2,771	2,623	1,487	3,015	6,227	7,979	9,083	8,968	8,691	6,748
180,000	160,600	170,400	161,300	82,590	185,400	370,600	490,600	540,500	551,400	534,400	401,500

5,289
3,829,290

LAKE MINNER at MINNER, IDAHO

Plate No. 60

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10.68	10.60	5.30	8.50	8.20	8.35	6.50	10.67	10.81	11.04	10.80	11.00
2	10.99	9.90	5.40	8.35	8.26	8.56	6.18	10.77	10.94	11.06	10.88	10.95
3	11.04	9.55	5.45	8.38	8.32	8.56	6.44	10.90	10.75	11.00	10.86	10.82
4	11.03	8.40	6.30	8.43	7.90	8.46	6.50	10.96	10.99	10.72	11.02	10.88
5	11.05	7.70	7.42	8.40	8.00	8.44	6.40	10.82	10.84	10.65	11.15	10.98
6	10.88	7.77	7.74	8.15	8.04	8.75	6.12	10.74	10.94	10.48	11.24	11.00
7	10.68	8.05	7.52	8.33	8.06	8.86	6.35	10.78	10.75	10.56	11.13	11.00
8	10.75	8.20	7.90	8.40	8.02	8.84	7.00	10.51	10.75	10.83	11.05	10.96
9	11.00	8.44	8.16	8.30	7.88	8.74	8.00	10.69	10.98	10.75	11.04	10.94
10	10.72	8.50	8.52	8.28	8.02	8.62	9.22	10.81	10.99	10.75	11.02	10.92
11	10.38	8.30	8.46	8.48	8.04	8.80	10.46	10.72	10.92	10.81	11.02	10.98
12	10.27	8.10	7.90	8.50	7.84	9.20	10.36	10.63	10.90	10.87	11.00	10.97
13	10.07	8.08	7.30	8.54	7.95	9.16	10.14	10.74	10.92	10.83	11.06	11.08
14	10.38	8.10	6.70	8.38	8.00	9.00	10.56	11.00	11.04	10.82	11.12	10.98
15	10.28	7.96	6.68	8.48	8.00	9.10	10.76	11.04	11.04	10.83	11.20	10.88
16	10.22	7.93	6.26	8.42	8.10	9.06	11.00	10.98	11.04	10.82	11.08	10.90
17	9.93	8.03	6.84	8.42	8.10	9.18	10.88	10.79	11.02	11.00	10.88	11.02
18	10.22	8.03	7.06	8.36	8.04	9.10	10.58	10.84	11.01	10.98	10.93	10.99
19	10.32	8.05	7.30	8.46	8.10	9.10	10.58	10.84	11.01	10.98	11.04	10.94
20	9.46	8.07	7.34	8.30	8.08	8.64	10.46	10.72	11.03	10.98	11.04	10.94
21	10.46	8.17	7.62	8.20	8.08	8.00	10.60	10.66	11.04	10.94	11.07	10.53
22	10.54	8.02	7.76	8.42	8.02	7.50	10.80	10.43	10.96	10.94	11.06	10.69
23	9.88	7.94	8.08	8.42	8.08	6.90	10.90	10.79	10.78	10.84	11.05	10.64
24	9.64	7.85	7.85	8.34	8.17	6.26	10.90	10.71	11.04	10.90	10.94	10.70
25	9.83	7.88	8.44	8.34	8.20	6.36	10.94	11.00	11.04	10.84	10.84	10.74
26	10.20	7.54	8.54	8.32	8.27	6.22	10.60	11.02	11.02	10.84	10.87	10.74
27	10.42	7.00	8.66	8.34	8.30	6.24	10.58	11.04	11.01	10.78	11.03	10.79
28	10.53	6.22	8.64	8.30	8.30	6.38	10.89	11.04	11.02	10.87	11.00	10.65
29	10.60	5.50	8.50	8.10	8.32	6.32	10.80	10.99	11.09	10.93	10.98	10.60
30	10.55	5.30	8.65	8.06	8.38	6.38	10.79	10.72	11.08	10.86	11.04	10.73
31	10.50		8.60	8.08		6.38		10.73		10.82	11.06	

Year
or
Month

Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
1							63	63	66	63
2							14	63	66	63
3							14	63	66	63
4							14	63	66	63
5							14	63	66	63
6							14	63	66	63
7							14	63	66	63
8							25	62	66	63
9							25	62	66	63
10							28	61	66	63
11							42	61	66	63
12							53	61	66	63
13							58	61	66	63
14							60	63	66	63
15							61	66	66	63
16							61	66	66	63
17							61	64	66	63
18							61	66	66	63
19							61	66	66	63
20							61	66	66	63
21							59	64	66	63
22							53	64	66	63
23							58	64	66	63
24							61	66	66	63
25							62	66	66	63
26							62	66	66	63
27							62	66	66	63
28							62	66	66	63
29							62	66	66	63
30							62	66	66	63
31							63	66	66	63

MILNER LOW LEFT CANAL near MILNER, IDAHO

For the year 1955
Plate No. 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	212	203	233	182
2	0	0	0	0	0	0	0	0	212	203	235	182
3	0	0	0	0	0	0	0	0	206	178	235	182
4	0	0	0	0	0	0	0	0	200	178	235	182
5	0	0	0	0	0	0	0	0	184	180	235	182
6	28	0	0	0	0	0	0	0	184	222	233	182
7	57	0	0	0	0	0	0	0	207	217	223	182
8	57	0	0	0	0	0	0	0	207	206	223	182
9	83	0	0	0	0	0	0	0	207	206	223	182
10	105	0	0	0	0	0	0	0	228	206	223	182
11	132	0	0	0	0	0	0	0	236	206	223	182
12	168	0	0	0	0	0	0	0	236	221	223	182
13	181	0	0	0	0	0	0	0	236	224	223	182
14	181	0	0	0	0	0	0	0	233	230	223	182
15	181	0	0	0	0	0	0	0	220	230	221	181
16	181	0	0	0	0	0	0	0	216	235	212	173
17	181	0	0	0	0	0	0	0	203	235	212	173
18	213	0	0	0	0	0	0	0	203	235	203	170
19	213	0	0	0	0	0	0	0	203	235	190	155
20	213	0	0	0	0	0	0	0	203	235	182	155
21	213	0	0	0	0	0	0	0	203	235	182	155
22	213	0	0	0	0	0	0	0	203	235	182	155
23	218	0	0	0	0	0	0	0	203	235	182	145
24	232	0	0	0	0	0	0	0	203	235	182	134
25	232	0	0	0	0	0	0	0	203	233	182	134
26	232	0	0	0	0	0	0	0	203	233	182	125
27	237	0	0	0	0	0	0	0	203	233	182	134
28	237	0	0	0	0	0	0	0	206	233	182	134
29	237	0	0	0	0	0	0	0	208	233	182	134
30	228	0	0	0	0	0	0	0	203	233	182	134
31	225	0	0	0	0	0	0	0	225	233	182	134

0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
166	208	221	210	168	210	12,510	13,570	12,800	9,850	166	208	221

Year
Mean
Actual-Record
57,850
79.9

GOODING PROJECT IN GOODING CANAL near MILLER, IDAHO

Plate No. 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							0	830	1450	1570	1590	1450
2							0	860	1460	1580	1610	1470
3							0	940	1450	1520	1620	1470
4							0	860	1440	1560	1620	1470
5							0	940	1450	1520	1620	1470
6							0	990	1430	1510	1620	1460
7							0	1030	1480	1490	1610	1460
8							0	1080	1490	1490	1590	1450
9							0	1160	1500	1520	1600	1450
10							0	1260	1540	1530	1600	1460
11							0	1280	1580	1540	1590	1460
12							0	1330	1600	1550	1600	1450
13							0	1400	1610	1580	1600	1450
14							0	1410	1630	1590	1600	1450
15							0	1440	1620	1590	1590	1450
16							0	1380	1630	1590	1590	1440
17							0	1370	1620	1590	1570	1450
18							0	1370	1610	1600	1570	1400
19							0	1370	1610	1590	1570	1400
20							0	1370	1610	1590	1570	1390
21							250	1370	1610	1600	1580	1350
22							500	1430	1620	1590	1560	1320
23							770	1490	1620	1590	1540	1280
24							780	1490	1630	1600	1530	1270
25							780	1510	1640	1610	1550	1230
26							770	1490	1620	1600	1510	1210
27							770	1470	1620	1600	1480	1220
28							780	1480	1620	1610	1470	1210
29							780	1450	1620	1610	1480	720
30							780	1440	1610	1600	1450	0

[illegible]

769

ATKIN

222

058, 830

NORTH SIDE CANAL PROJECT IN GOODING CANAL NEAR MILNER, IDAHO

Time	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	580	0	0	0	0	0	0	900	940	900	750
2	0	520	0	0	0	0	0	0	940	950	890	750
3	0	520	0	0	0	0	0	0	940	900	930	750
4	0	550	0	0	0	0	0	0	940	880	930	780
5	0	570	0	0	0	0	0	0	970	880	950	790
6	0	570	0	0	0	0	0	0	960	900	950	790
7	0	590	0	0	0	0	0	0	940	880	940	780
8	0	620	0	0	0	0	0	0	940	890	930	780
9	0	290	0	0	0	0	0	0	930	940	920	770
10	0	0	0	0	0	0	0	0	980	950	920	770
11	0	0	0	0	0	0	0	0	1010	930	900	780
12	0	0	0	0	0	0	0	0	1000	940	910	780
13	0	0	0	0	0	0	0	0	1010	970	910	780
14	0	0	0	0	0	0	0	0	1010	940	920	730
15	0	0	0	0	0	0	0	0	1050	970	930	770
16	440	0	0	0	0	0	0	300	1020	970	900	760
17	900	0	0	0	0	0	0	510	1010	950	880	760
18	900	0	0	0	0	0	0	700	1000	950	890	760
19	880	0	0	0	0	0	0	830	1000	940	910	760
20	900	0	0	0	0	0	0	820	1010	930	900	750
21	920	0	0	0	0	0	0	820	1010	930	910	720
22	810	0	0	0	0	0	0	830	960	910	900	700
23	730	0	0	0	0	0	0	1000	860	930	890	710
24	720	0	0	0	0	0	0	1000	890	1010	880	720
25	720	0	0	0	0	0	0	900	1010	970	890	730
26	760	0	0	0	0	0	0	880	1010	950	900	720
27	780	0	0	0	0	0	0	880	980	960	820	720
28	780	0	0	0	0	0	0	900	980	950	760	710
29	780	0	0	0	0	0	0	890	960	930	770	710
30	770	0	0	0	0	0	0	900	940	910	780	650

401	160	0	0	0	0	0	23,600	60,260	57,660	57,500	54,700	44,530
21,670	9,540	0	0	0	0	0	23,600	60,260	57,660	57,500	54,700	44,530

459
332,460

PLATE NO. 15

NORTH SIDE TWIN FALLS CANAL AT MILLER, IDAHO

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1640	0	580	401	389	395	389	514	2660	2720	2860	2760
1630	0	596	404	395	401	392	690	2660	2710	2900	2760
1640	0	662	404	395	401	392	944	2620	2700	2910	2780
1630	0	679	407	395	401	392	1020	2660	2680	2970	2780
1550	0	564	407	395	401	374	1010	2640	2700	2980	2780
1480	0	573	401	395	401	372	1160	2660	2660	2960	2720
1490	0	577	400	395	401	392	1240	2660	2700	2950	2720
1210	0	593	400	395	401	413	1550	2660	2700	2920	2700
339	361	550	400	389	398	145	1760	2820	2650	2860	2650
0	577	527	400	389	389	0	1790	2850	2660	2830	2640
0	524	524	400	386	380	0	2040	2840	2660	2830	2640
0	580	524	400	380	383	0	2220	2880	2640	2820	2610
0	587	527	400	383	386	0	2230	2900	2640	2820	2580
0	567	511	400	383	383	0	2390	2860	2760	2820	2510
0	580	501	400	377	386	0	2450	2880	2820	2800	2470
0	587	492	400	377	386	0	1970	2860	2840	2720	2460
0	580	504	400	383	386	0	1890	2840	2880	2730	2470
0	577	511	400	395	389	0	2040	2820	2920	2740	2380
0	521	521	400	395	386	0	2340	2840	2920	2770	2300
0	527	527	400	389	383	0	2340	2840	2920	2780	2220
0	583	517	388	395	366	0	2580	2820	2920	2780	2040
0	583	517	393	392	392	0	2710	2820	2910	2770	1970
0	577	517	398	392	377	0	2740	2820	2880	2780	1860
0	583	479	395	389	355	0	2530	2810	2920	2780	1750
0	577	479	395	377	372	0	2690	2840	2900	2780	1570
0	567	488	398	395	372	133	2580	2820	2860	2780	1460
0	564	472	395	395	386	194	2470	2820	2840	2800	1450
0	567	453	386	392	392	311	2600	2810	2860	2770	1440
0	530	450	377	392	363	363	2650	2790	2860	2770	1290
0	544	441	377	360	464	464	2620	2820	2840	2770	1180
0	0	419	383	398	398	2650	2650	2840	2780	2780	1180

Photo No. 15

55

Sept.

Aug.

July

June

May

Apr.

Mar.

Feb.

Jan.

Dec.

Nov.

Oct.

1,285

1,285

1,285

930,280

930,280

930,280

2,265	2,824	2,791	2,787	2,007	165,900	171,600	173,600	134,800
407	414	523	397	390	23,750	9,330	123,400	165,900
25,010	24,630	32,190	24,410	21,660	23,750	9,330	123,400	165,900

SOUTH SIDE TWIN FALLS CANAL at MILLER, IDAHO

For the year ending December 31, 1955
Plate No. 55

Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1690	503	596	457	385	399	49	1520	3350	3280	3780	3530
1680	504	596	444	385	394	51	1650	3340	3210	3780	3530
1690	529	725	433	385	394	51	1680	3340	3210	3770	3500
1630	477	750	420	385	395	49	1720	3340	3220	3760	3510
1620	491	626	410	385	395	134	1910	3340	3300	3750	3470
1540	527	587	385	385	396	316	2160	3390	3440	3740	3440
1490	790	548	380	385	402	449	2530	3460	3470	3730	3460
1500	554	607	380	385	397	540	2780	3500	3490	3730	3450
1480	513	568	370	385	392	596	2910	3550	3520	3730	3460
1460	619	565	370	385	358	660	3080	3580	3540	3690	3440
1410	727	554	370	385	338	701	3400	3580	3550	3650	3440
1410	635	540	370	385	340	701	3760	3560	3540	3630	3450
1020	553	562	370	385	333	704	3760	3530	3520	3630	3400
853	759	584	370	385	338	719	3480	3500	3530	3630	3310
363	440	576	370	410	336	695	3310	3440	3560	3630	3210
80	441	575	370	397	333	629	3310	3310	3630	3630	3210
76	415	575	370	405	336	604	3360	3330	3650	3650	3140
76	400	575	370	400	338	584	3450	3320	3650	3650	3060
318	422	575	370	400	298	565	3450	3360	3630	3650	2910
373	422	565	370	399	249	635	3470	3360	3660	3640	2610
381	738	554	370	399	234	772	3440	3380	3670	3620	2350
1030	542	556	370	389	232	930	3460	3360	3670	3640	2240
1320	538	534	370	389	241	995	3450	3350	3660	3660	2160
1180	507	521	380	379	306	1010	3460	3350	3680	3650	2000
487	818	521	384	389	340	1040	3470	3360	3730	3630	1800
635	463	520	384	384	333	1100	3400	3400	3770	3630	1730
684	454	500	384	384	290	1120	3370	3440	3790	3610	1730
543	543	500	368	384	323	1170	3360	3420	3780	3590	1720
592	518	500	358	358	389	1290	3370	3390	3790	3590	1700
501	596	502	363	363	200	1410	3370	3330	3790	3560	1700
598	598	494	360	360	51	1410	3390	3760	3760	3540	

58,930	958	548	566	382	391	326	676	3,039	3,409	3,571	3,664	2,855
32,600												
34,810												
23,480												
21,710												
20,020												
40,200												
186,900												
202,800												
219,600												
225,300												
169,900												

1,708
1,236,250
Mean
Agave-Tree
T. 1955

Snake River at Miner, Idaho

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	155	2940	1790	2070	1990	670	5730	3300	441	199	23	10
2	161	3370	1830	1990	1990	960	5330	2470	455	212	8	8
3	176	3570	948	1890	1980	1130	5820	614	452	197	8	8
4	170	3260	658	1970	1750	1120	5940	683	458	206	11	7
5	428	2170	1080	2020	1540	1150	5580	508	452	201	41	8
6	538	1700	1600	1990	1560	1180	4810	490	455	201	60	10
7	431	1450	1620	2030	1550	1170	3910	483	448	203	21	9
8	402	1530	1680	2040	1320	1300	3250	479	448	206	14	9
9	1930	1710	1740	1990	575	1320	2560	490	465	206	12	8
10	2490	1970	2010	2010	602	1310	2540	497	455	206	11	8
11	2380	1980	2890	2060	595	1600	4050	494	452	206	10	9
12	2400	1920	3250	2070	587	1820	4750	490	458	208	11	8
13	2690	1950	2860	2070	599	1990	4850	504	476	206	12	13
14	3120	1910	2560	2050	583	2010	6090	606	469	203	29	9
15	3680	1900	2040	2060	568	2160	6430	1060	476	203	58	8
16	3580	1880	1440	2070	553	2310	6220	1010	490	190	21	9
17	2560	1930	1510	2070	541	2280	6420	990	486	192	12	9
18	2370	1940	1510	2050	545	2350	6440	771	448	199	10	13
19	2120	1950	1580	2000	553	3150	5880	445	438	192	9	11
20	1950	1970	1620	2010	545	3740	4300	438	445	195	10	8
21	1960	1980	1710	1990	545	3470	3470	441	448	192	20	6
22	1950	1950	1780	2040	545	3470	4880	441	445	192	18	6
23	1880	1930	1810	2030	560	3590	4680	438	476	192	15	6
24	1850	1910	1870	2010	630	3160	4710	435	367	201	8	6
25	1860	1830	1910	2010	658	3160	4710	472	220	201	9	6
26	1920	2200	1930	2010	654	3070	4600	501	217	188	9	6
27	1940	3070	2040	2020	654	3590	4340	476	215	210	11	6
28	1970	3180	2070	1990	654	4030	4360	700	217	217	11	6
29	1980	2610	2080	1950	—	4440	4100	462	215	206	9	5
30	1990	1990	2120	1940	—	5000	3820	441	275	201	13	5

Year
Mean
Acres-Feet
1,049,976
1,450

1,774	2,187	1,859	2,015	908	2,496	4,819	712	409	197	17.0	8.0
109,100	130,200	114,300	123,900	50,430	153,500	286,800	43,770	24,320	12,130	1,050	476