

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

1956

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INTRODUCTION

The annual meeting of Water District No. 36 was held at Idaho Falls on March 5, 1956. Lynn Crandall was re-elected as Watermaster for his 27th term of office and the following were elected as members of the Committee of Nine:

N. V. Sharp, Chairman; Leonard Graham, Vice-Chairman; Alex Coleman, Secretary; David Dick, Leo Murdock, Frank Redfield, C. N. Scoresby, J. H. Silbaugh, and R. Willis Walker.

Advisory Members: Merle Tillery, representing Bureau of Reclamation; Lawrence Duffin, representing Minidoka Irrigation District; and H. H. Vaden, representing American Falls Reservoir District No. 2.

Principal resolutions adopted at the annual meeting included the following:

1. Approved the standard stored water transmission loss schedule in use for a number of 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; 2.0% Island Park to Warm River; 0.5% Warm River to Ashton.

2. Adopted a budget of \$48,888 to cover expenses of operating 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. Opposed the establishment of any Columbia Valley authority or any power project on Snake River and its tributaries not having as one of its major objectives the reclamation of lands for irrigation.

4. Requested flood control surveys on Teton River.

Construction work on the Palisades dam continued during the year about on schedule. It was sufficiently advanced by the time of the early June flood so that about 79,000 acre-feet of storage automatically

accumulated behind the dam as the lake level rose high enough to push the inflow thru the open outlet tunnels.

The lower temporary inlets to the tunnels were finally closed early in November 1956, beginning controlled storage in the Palisades Reservoir. Spill of Jackson Lake storage for retention in Palisades started November 16, 1956.

Heavy snowfall in the mountains during November, December, and January indicated that some flood control operations at Jackson Lake would be desirable. A total of about 480,000 acre-feet were spilled by the Bureau of Reclamation from Jackson Lake between March 10 and June 26 at times when the extra water could safely be carried by the river channel. The space thus made available was used to store water at the time of the peak flows thereby preventing considerable flood damage that would otherwise have occurred in Jackson Hole and along the river between Heise and Blackfoot.

The snow melt period extended from mid-April to late in June, a longer than usual time, with the result that a large contribution to groundwater storage was made by the melting snow. This provided a well-sustained natural flow in Snake River thruout the entire irrigation season in spite of the fact that a substantial precipitation deficiency occurred from June 1 to September 30.

All reservoirs filled to capacity and about 2,300,000 acre-feet were spilled past Milner, in excess of Idaho Power Company rights, during the year ending September 30, 1956. The spill would have been greater except for the low reservoir holdovers existing at the close of the 1955 season which resulted in a greater amount of space available for storage than usual.

Regulation began June 29, cutting part of the March 30, 1921 right. The upper valley floodwater rights of 1916 priority were cut July 7. The low point of priority cuts was reached September 5-13 when all upper valley 1894 rights were cut off. Jackson Lake gates were closed September 27 and upper valley regulation was discontinued September 28. Water supplies were ample and 1,249,000 acre-feet remained in the reservoirs at the close of the season, about twice the holdover a year previous.

The cooperative program with the U. S. Geological Survey for reading water levels in wells surrounding American Falls reservoir was continued during the year. This program contemplates the continuing collection of statistical data to help determine any effect on American Falls reservoir inflow that may result from groundwater pumping and development of the Michaud project.

At the end of 1956 a memorandum of understanding was under negotiation between the Bureau of Reclamation and the Office of Indian Affairs relative to methods of charging water use on the proposed Michaud division of the Fort Hall project.

PERSONNEL

The persons engaged in water distribution during 1956 were as follows:

Lynn Crandall	Watermaster and Deputy Com. of Reclamation
Henry C. Eagle	Hydraulic Engineer and Deputy Watermaster
O. P. Mortensen	Deputy Watermaster and Hydrographer at St. Anthony
Oleen Dummer	Hydrographer
A. H. Bush	Hydrographer
R. H. Seymour	Hydrographer and Deputy Watermaster, Milner Dam
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
F. S. Thomas	Deputy Watermaster, Swan Valley Division
David Peterson	Deputy Watermaster, Swan Valley Division
M. L. Tillery	Supt. Minidoka Project, Bureau of Reclamation
A. W. Heath	Supt. Am. Falls Res., Bureau of Reclamation
James L. Braman	Supt. Jackson Lake, Bureau of Reclamation
S. Geo. Pilcher	Supt. Island Park Res., Bureau of Reclamation

Gage Readers: Foster B. Randall, F. S. Cowley, D. R. Anthony, Mrs. Irvin Siepert, Jos. H. Bahr, Jr., Darrell Washam, T. E. Culley, Earl D. Sears, Oscar Green, Lynn Miskin, A. C. McLane, E. B. Olsen, E. L. Dutton, A. K. Draper, Scott M. Butler.

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>								
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
1956	35	9.6	50	14.0	54	16.6	47	18.5
Normal	23	4.5	31	8.0	37	10.4	33	11.8

<u>Moran Canyon (Snake River)</u>							68	24.1
1947							66	22.1
1948							65	23.9
1949							67	21.9
1950							68	25.7
1951	-	-	53	15.8	64	21.8	70	24.1
1952	-	-	59	16.4	62	20.3	61	24.2
1953	-	-	57	16.7	73	22.8	72	23.1
1954	-	-	51	14.5	61	19.4	54	17.3
1955	-	-	31	7.3	50	12.6	75	30.4
1956	-	-	76	22.8	84	27.9	60	21.3
Normal	35	7.2	48	13.0	58	17.8		

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>Arizona Station (Snake River)</u>								
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
1956	48	14.2	69	21.8	74	26.1	68	27.8
Normal	32	6.6	43	11.5	51	15.6	51	18.0

<u>Hubkleberry Divide (Snake River)</u>								
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
1956	55	15.4	73	22.9	77	26.2	69	28.0
Normal	35	7.4	46	12.6	57	17.0	61	19.8

<u>Snake River Station (Snake River)</u>								
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
1956	53	15.0	77	23.9	80	28.2	72	30.0
Normal	35	7.4	47	12.8	57	17.4	61	20.3

<u>Lewis Lake Divide (Snake River)</u>								
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
1956	105	35.8	139	50.5	164	61.3	143	65.8
Normal	63	16.0	83	27.0	103	35.8	113	44.0

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>Aster Creek (Snake River)</u>								
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
1956	85	27.3	106	26.8	125	44.5	113	48.7
Normal	47	11.4	63	19.3	76	26.0	86	32.2

Colter Creek (Snake River)

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
1956	61	17.2	85	24.0	94	28.0	80	33.1
Normal	39	8.4	52	14.4	64	19.2	64	22.8

Glade Creek (Snake River)

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
1956	55	15.8	80	25.8	89	29.9	80	33.1
Normal	40	8.8	53	15.0	65	19.8	67	23.6

Year	Feb. 1-6		Mar. 1		Mar. 23-29	
	S	W	S	W	S	W
<u>Turpin Meadows (Buffalo River)</u>						
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
1956	44	12.0	54	14.1	42	14.9
Normal	29	6.9	34	8.6	37	10.9

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

Year	Feb. 1-6		Mar. 1		Mar. 23-29	
	S	W	S	W	S	W
<u>Four Mile Meadows (Buffalo River)</u>						
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
1956	49	13.4	59	16.9	53	18.4
Normal	34	8.3	41	10.8	46	13.4

<u>Black Rock (Buffalo River)</u>						
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
1956	69	21.9	85	27.5	78	31.9
Normal	46	12.6	56	17.0	67	22.5

<u>Twogwotee Pass (Buffalo River)</u>						
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
1956	86	29.4	108	36.2	99	41.5
Normal	62	18.9	73	23.2	83	29.7

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W	S	W
<u>Valley View Ranch (Henrys Fork)</u>								
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
1956	40	9.7	54	13.9	57	17.1	46	15.9
Normal	26	5.0	41	9.9	49	13.3	49	15.4

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>Big Springs (Henrys Fork)</u>								
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
1956	44	11.8	70	20.5	80	23.8	58	22.7
Normal	33	7.1	50	13.1	62	18.7	61	21.6

<u>Island Park (Henrys Fork)</u>								
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
1956	36	9.0	58	17.8	64	19.8	48	17.0
Normal	28	5.5	43	10.5	53	14.9	50	16.3

<u>Grassy Lake (Fall River)</u>								
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
1956	72	22.4	107	36.8	122	42.6	103	46.0
Normal	56	15.0	72	22.7	87	30.3	89	34.8

<u>Teton Pass (Teton River)</u>								
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
1956	86	26.5	113	35.6	121	42.4	116	51.2
Normal	52	14.7	74	23.1	91	31.0	103	38.4

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>State Line (Teton River)</u>								
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	13.3	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
1956	33	9.6	51	13.6	58	17.9	49	18.9
Normal	26	5.8	40	9.8	46	13.5	47	16.1

<u>East Rim (Hoback River)</u>								
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
1956	32	7.8	45	10.7	46	12.8	51	15.9
Normal	18	3.7	31	7.1	37	10.1	40	12.1

<u>Bryan Flat (Hoback River)</u>								
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
1956	24	6.5	39	8.1	41	11.1	35	11.5
Normal	19	3.9	28	6.6	34	9.3	33	10.8

<u>Yellowjacket Flat (Gros Ventre River)</u>								
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
1956	-	-	32	7.3	39	9.2	29	9.4
Normal	11	1.9	22	4.3	28	6.0	27	6.8

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>Grover Park Divide (Salt River)</u>								
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
1956	27	7.1	38	9.8	50	13.1	53	12.1
Normal	21	4.5	32	7.6	35	10.1	38	11.5

<u>CCC Camp FF12 (Salt River)</u>								
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
1956	27	7.2	46	10.5	51	13.2	39	12.1
Normal	21	4.6	32	7.7	37	10.1	38	11.9

<u>Poison Meadows (Greys River)</u>								
1948	-	-	-	-	66	20.0	73	25.0
1949	-	-	-	-	75	25.5	71	25.4
1950	-	-	-	-	78	26.7	96	34.7
1951	-	-	-	-	83	29.7	99	39.1
1952	-	-	-	-	81	25.8	94	31.0
1953	-	-	-	-	70	20.1	80	25.0
1954	-	-	-	-	75	25.3	103	33.5
1955	-	-	-	-	66	16.4	82	22.5
1956	-	-	-	-	118	40.3	111	47.0
Normal	-	-	-	-	79	25.6	90	31.4

<u>Greys Boundary (Greys River)</u>								
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
1956	19	4.5	38	7.8	44	11.5	30	10.8
Normal	22	4.7	31	7.5	36	10.7	32	11.3

On April 1st the snow on the Jackson Lake watershed averaged 148% of normal, between Moran and Heise the average was 126% of normal, in Island Park 104%, on Fall River 132%, and on Teton River 125%.

Comparable run-off figures for the year ending September 30, 1956 were: Snake River at Moran 142%, Snake River near Heise 132%, Henrys Fork near Ashton 107%, Fall River near Squirrel 119%, Teton River near St. Anthony 115%.

1956 REGULATION SCHEDULE

June 29	Filled part March 30, 1921 right
July 7	Cut off 1916 priority rights
" 8	Cut off rights later than August 6, 1908
" 12	Filled 75% April 1, 1898 right on Henrys Fork
" 12	Cut off rights later than October 7, 1905
" 17	Cut off 1897 rights on Henrys Fork and Fall River
" 17	Cut off 1898 rights on Teton River
" 18	Cut off rights later than March 26, 1903 on Snake River
" 23	Cut off rights on Henrys Fork later than April 1, 1896
" 24	Cut off rights later than October 11, 1900
" 25	Cut off June 16, 1900 rights above Blackfoot
" 28	Filled 1897 rights on Henrys Fork
Aug. 5	Cut off 1899 rights above Blackfoot on Snake River, Henrys Fork and Fall River
" 7	Cut off June 1, 1897 rights
" 8	Cut off June 1, 1896 rights
" 9	Cut off November 5, 1895 rights
" 11	Cut off June 14, 1895 rights
" 14	Cut off March 22, 1895 rights
" 19	Filled 80% February 6, 1895 right
" 21	Filled 50% February 6, 1895 right
" 22	Filled 30% February 6, 1895 right
" 23	Filled 10% February 6, 1895 right
" 24	Cut off all 1895 rights
" 27	Filled 20% February 6, 1895 right
" 29	Filled 40% February 6, 1895 right
" 31	Filled 20% February 6, 1895 right
Sept. 1	Cut off February 6, 1895 right
" 2	Cut off all 1895 rights
" 4	Filled 50% August 18, 1894 right
" 5	Cut off all 1894 rights
" 13	Restored all 1894 rights
" 14	Filled 50% February 6, 1895 right
" 15	Filled 60% February 6, 1895 right
" 16	Filled April 1, 1895 rights
" 17	Filled June 14, 1895 right

Regulation schedule - continued

Sept. 20	Cut off June 1, 1895 rights
" 21	Filled 20% February 6, 1895 right
" 24	Restored February 6, 1895 right
" 27	Filled 1899 rights
" 28	Filled 1902 rights. Discontinued regulation.

Jackson Lake gates were closed September 27. Due to well sustained inflow between Jackson Lake and Heise as well as above normal return flow to the river between Heise and Roberts there was an ample supply to fill upper valley demands after October 1st and still spill water past Blackfoot.

Storage draft on the various reservoirs started on the following dates: American Falls June 29, Island Park July 9, Jackson Lake July 11, Henrys Lake July 25, Grassy Lake August 31.

WATER SUPPLY

Run-off at various gaging stations during the year ending September 30, 1956 was as follows:

<u>Station</u>	<u>1956</u> <u>Run-off</u> <u>(acre-feet)</u>	<u>Average</u> <u>run-off</u> <u>past years</u> <u>(acre-feet)</u>	<u>Years</u> <u>of</u> <u>record</u>	<u>1956</u> <u>% of</u> <u>Average</u>
Snake River at Moran	1,484,000	1,047,000	53	142
Snake River near Heise	6,700,000	5,087,000	53	132
Snake River at Neeley	6,457,000	5,680,000	60	114
Fall River near Squirrel	651,310	549,200	43	119
Teton River near St. Anthony	634,270	549,200	29	115
Henrys Fork near Ashton	1,054,000	982,900	36	107
Henrys Fork near Rexburg	1,596,000	1,410,000	48	113

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 mean daily discharges were as follows:

Snake River at Moran	6,220 second-feet on August 26
Snake River near Heise	33,100 second-feet on June 4-6
Snake River near Blackfoot	27,800 second-feet on May 30
Snake River at Milner	18,700 second-feet on May 31

By flood-control operation of Jackson Lake it was possible to considerably reduce the downstream flood flows that would otherwise have occurred. About 79,000 acre-feet of storage also automatically accumulated in Palisades Reservoir and contributed to the reduction of peak outflows from that reservoir.

Spill of water for flood control from Jackson Lake began March 10, 1956 and by June 26 when that reservoir filled to capacity a total of about 480,000 acre-feet had been spilled. Except for water being stored in Jackson Lake the outflow at the Moran station would have reached a peak of about 14,000 second-feet on June 2nd.

Except for water being stored in Jackson Lake and Palisades reservoirs the peak flow at the Heise station would have been about 48,000 second-feet in 1956. The Water Management Subcommittee of the Columbia Basin Inter-Agency Committee estimates that the flood control operation at Jackson Lake and Palisades Reservoir in 1956 prevented flood damages of about \$2,000,000 that would otherwise have occurred.

The Governors of Wyoming and Idaho issued emergency flood declarations thereby permitting the Army Engineers to have local representatives stationed at Jackson and at Rigby during the flood period. They accomplished considerable work of value in the way of protecting dikes by hauling rock rip rap, etc., thereby preventing erosion that would otherwise have occurred. The peak flow of 33,000 second-feet at Heise appeared to have the beneficial effect of cleaning out the river channel between Heise and the mouth of Henrys Fork thereby increasing its carrying capacity. Any further increase in flow above that figure, however, would have resulted in considerable overflow and erosion and in fact there was some overflow and damage on the lowlands in the vicinity of Roberts and at other scattered points along the river.

The following tabulation shows a comparison of annual run-off for the year ending September 30, 1956 with April 1st estimates by the U. S. Weather Bureau for various gaging stations:

<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	1,550,000	1,484,000	+ 4
Snake River near Heise	6,960,000	6,700,000	+ 4
Snake River near Shelley	6,250,000	5,661,000	+ 10
Snake River near Blackfoot	5,530,000	4,635,000	+ 19
Snake River at Neeley	7,890,000	6,457,000	+ 22
Snake River near Minidoka	6,380,000	5,661,000	+ 13
Henrys Fork near Ashton	1,200,000	1,054,000	+ 14
Henrys Fork near Rexburg	1,970,000	1,596,000	+ 23
Fall River near Squirrel	680,000	651,000	+ 4
Teton River near St. Anthony	722,000	647,000	+ 11

All of the estimated run-off quantities were greater than the actual run-off, ranging from 4% for stations above the irrigated areas to as high as 23% for stations below substantial irrigation diversions.

These results may be attributed to:

1. A substantial precipitation deficiency after the estimates were made.
2. A net increase in groundwater levels between September 30, 1955 and September 30, 1956
3. Greater irrigation use in 1956 than normal.

Annual reservoir holdovers on September 30 during the past ten years are shown in the following tabulation:

<u>Holdovers on Sept. 30 in acre-feet</u>							
<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>
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
1956	369,650	623,000	94,490	68,900	80,020	13,140	1,249,200
Average	355,800	641,800	92,640	61,600	56,060	12,110	1,220,010

The capacity of these reservoirs when full is 2,872,000 acre-feet. The 1956 holdover was 43.5% of capacity and was about the same as the past ten year average, altho it was greater than in any year since 1951.

TRANSFERS AND CHANGES IN POINT OF DIVERSION

The following changes in Point of Diversion were authorized by the State Reclamation Engineer:

Change in Point of Diversion Order No. 235:

Village of Victor, 1.0 second-feet June 1, 1896 changed from Town Canal on Trail Creek to Game Creek, a tributary of Trail Creek.

Change in Point of Diversion Order No. 236:

Paul and Anna Traugher, 4.5 second-feet June 1, 1900 of the waters of Palisades Creek, Swan Valley and Palisades Canals, changed to Snake River pumping diversion.

There were no transfers of place of use during the year.

LITIGATION

The following summary decree was issued during the year in the Ninth Judicial District, Fremont County:

Daniel S. and May Sorensen vs. Lynn Crandall, decree dated September 11, 1956:

1.1 second-feet of the waters of Buffalo Flat Springs, a tributary of Teton River, priority June 1, 1902.

COMMUNITY LATERAL MANAGERS

In accordance with the provisions of the Idaho Code, the following appointments were made for the 1956 irrigation season:

<u>Manager</u>	<u>Name of Lateral</u>
Noble Barrus	Augustine lateral from Riverside Canal
Vernal Lofthouse	Deseret Ditch, South Leigh Creek

CANAL DELIVERIES

Daily diversions from Snake River by canals above American Falls during the 1956 irrigation season are shown on Plates 6-10. Peak diversions were about 14,300 second-feet around the time of maximum demand, July 20. This represents practically the maximum present carrying capacity of these canals. Peak diversions in other sections of District No. 36 are about as follows:

Snake River below American Falls	12,400	second-feet
Henrys Fork, Fall R. and Lower Teton R.	5,000	" "
Headwater areas	2,500	" "

The total of these several items shown a total peak diversion rate in District No. 36 of about 34,000 second-feet.

Daily diversions by canals below American Falls are shown on Plates 58 to 68. Miscellaneous measurements of the flow of various headwater streams and canals are shown on Plate 24.

Total diversions during the 1956 irrigation season by all canals in the District, including headwater areas, as tabulated in the annual watermaster bill, amounted to 8,150,000 acre-feet, about 9% greater than in 1955. An ample water supply, above normal temperatures, and deficient precipitation during the growing season all contributed to the heavy use of water in 1956, the greatest ever recorded in District No. 36.

Diversions during 1956 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	5,660	870	6.5
Progressive Irr. Dist.	229,000 (a)	31,874	7.2
Farmers Friend	104,000	11,000	9.4
Enterprise	50,300	5,000	10.0

	Diversions (acre-feet)	Acres Irrigated	Acres-feet per acre
Nelson	760	60	12.7
Mattson & Arnsberger	4,540	500	9.1
Ross and Rand	1,050	130	8.1
Butler Island	14,100	1,200	11.7
Steele	2,010	220	9.1
Harrison	123,000	13,000	9.5
Cheney	1,960	180	10.9
Rudy Irr. Co.	58,800	5,500	10.7
Kite & Nord	1,700	200	8.5
Burgess	238,000	22,000	10.8
Clark & Edwards	20,400	1,800	11.3
Lowder	15,300	1,100	13.9
East Labelle	36,300	2,700	13.4
Sunnydell	37,600	3,760	10.0
Lenroot	41,600	4,100	10.1
Reid	42,800	5,300	8.1
Texas Feeder	86,800	9,200	9.4
Nelson Corey	1,940	400	4.8
Hill Pettinger	1,440	200	7.2
Rigby	47,000	4,000	11.7
Dilts	9,200	700	13.1
Island	52,600	4,000	13.1
W. Labelle-Long Island	147,000	11,500	12.8
Parks & Lewisville	97,600	7,000	13.9
North Rigby	16,200	1,400	11.5
White	1,050	120	8.7
Ellis	1,220	120	10.1
Bramwell	2,110	240	8.8
Butte & Market Lake	98,900	20,000	4.9
Osgood	30,400	6,500	4.7
Bear Island & Smith	1,200	220	5.4
Idaho	276,000 (a)	35,830	7.7
Kennedy	13,400	2,700	5.0
Great Western & Porter	225,000	31,000	7.3
Coy and Kellar	520	70	7.4
Woodville	26,100	3,200	8.1
Snake River Valley	171,000 (a)	21,293	8.0
Reservation	151,000 (b)	34,000	4.4
Blackfoot	90,100	15,000	6.0
New Lava Side	42,600	6,200	6.9
Peoples	147,000	16,000	9.2
Aberdeen	353,000	63,000	5.6
Corbett	51,500	6,250	8.2
Nielsen-Hansen	2,790	400	7.0
Riverside	39,000	4,000	9.7
Danskin	60,900	6,000	10.1
Trego	20,700	1,800	11.5
Wearyrick	18,300	1,600	11.4
Watson	33,200	3,200	10.3
Parsons	11,000	850	12.9

Canal	Diversions (acre-feet)	Acres Irrigated	Acre-feet per acre
Minidoka Irr. Dist.	485,000	71,754	6.8
Burley Irr. Dist.	307,800	46,000	6.7
North Side Canal Co.	1,121,000	159,500	7.0
Twin Falls Canal Co.	1,082,000	202,706	5.3
Milner Low Lift	64,400	12,172	5.3
Gooding	451,300	61,313	7.4
Total	6,868,150	981,932	7.0

- (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 10% greater than in 1955. The total tabulated acreage was about 2,000 acres less than in 1955 due to revised acreage figures furnished by several canals. Actually, however, there was probably no reduction in the total acreage irrigated.

Of the 3,511,500 acre-feet diverted by lower valley canals, 1,198,400 acre-feet or 32% was stored water. Upper valley main river canals diverted a total of 3,356,650 acre-feet, of which 265,420 acre-feet or 8% 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						
Year	May	June	July	Aug.	Sept.	Season
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
1956	544	748	841	680	543	3356
Average	446	631	782	645	480	2984

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>
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
1956	202	259	239	187	128	1015
Average	185	231	228	178	117	939

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>
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
1956	70	149	148	183	159	91	800
Average	42	147	134	180	160	102	765

North Side Canal Co. Project

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
1956	83	208	211	236	225	169	1132
Average	69	201	206	232	228	167	1103

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>
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
1956	104	207	198	225	213	154	1101
Average	83	204	194	222	220	160	1083

Gooding Project

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
1956	22	83	85	99	90	72	451
Average	22	78	84	94	90	72	440

The diversions by canals from Heise to Blackfoot were greater than average each month thruout the season. The seasonal total was about 12% above the past ten year average and was about 3% greater than in 1954, the highest previous year. Diversions by the canals in this section have always been more sensitive to weather conditions than those in the lower valley where water rights call for a lower rate of delivery per acre to the farmer than under most of the upper valley canals. Much of the upper valley land has porous gravelly soils with irrigation practice of flooding between borders for hay and grain crops which seems to require more water than where corrugation irrigation is possible.

In the Henrys Fork area 1956 diversions were about 8% above normal and were slightly greater than in 1954, the highest previous year.

Diversions in 1956 by lower valley canals averaged about 3% above normal.

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 meeting. The operation of Palisades reservoir beginning in 1957 will introduce a new item into the present situation. Gaging stations were established in the fall of 1953 on the various tributaries to Palisades reservoir so that three years of records will be available showing natural flow conditions in the reservoir area prior to its operation. It is expected to continue the operation of all these stations for several years after the reservoir is in use and from comparative records to determine a method of equitable segregation between natural flow and stored water at the reservoir outlet, allowing for the effect of such items as evaporation loss, bank storage, etc.

It will be necessary to permanently operate the stations on Snake River, Greys River and Salt River above the reservoir in order to comply with the provisions of the Idaho-Wyoming compact, but it is probable that some method of segregation of flow can be devised making it unnecessary to continue permanent operation of stations on the tributary creeks that enter the reservoir in Idaho. The situation at Palisades is similar to that at Jackson Lake and Island Park where on a seasonal basis evaporation losses are about balanced by return flow from bank storage on the reservoir drawdown. To adjust the matter equitably as between the users some stored water is delivered

as natural flow at the high reservoir levels and then later recovered from bank storage inflow when the reservoirs are drawn down to lower levels. It is likely that a similar procedure can be developed at Palisades unless a comparative study of records before and after its operation discloses some unusual situation that is not now foreseen.

Daily figures showing segregation of flow between stored water and normal flow at the various gaging stations and canal diversions are given on Plates 12 and 13 for Snake River and Plate 21 for Henrys Fork.

The seasonal total of stored water passing the Blackfoot gaging station during 1956 was 130,600 acre-feet compared to 117,800 the previous year. If the necessity had existed the 1956 figures could have been reduced somewhat by closer regulation.

STORED WATER DELIVERIES

Storage allotments of Jackson Lake and American Falls water were made by the Bureau of Reclamation on the same basis as in 1955 and are shown in the following tabulation:

1956 Allotments in Acre-feet (Downstream order from Heise)

<u>Canal</u>	<u>American Falls</u>		<u>Jackson Lake</u>	<u>Total</u>
	<u>Owned</u>	<u>Lease</u>		
Poplar Irr. Dist.	190	79	2,072	2,341
Progressive Irr. Dist.	3,531	997	16,163	20,691
Farmers Friend	0	0	2,000	2,000
Enterprise	2,524	1,200	17,651	21,375
Harrison	3,401	0	20,567	23,968
Rudy	749	1,513	5,430	7,692
Burgess	2,686	2,739	17,413	22,838
Lowder	0	0	1,040	1,040
Sunnydell Irr. Dist.	0	0	4,000	4,000
Lenroot	1,094	586	8,008	9,688
Reid	721	293	3,300	4,314
Dilts	250	67	1,147	1,464
Enterprise Irr. Dist.	2,882	0	13,189	16,071

Canal	American Falls		Jackson Lake	Total
	Owned	Lease		
Butte & Market Lake	1,320	6,611	6,041	13,972
Osgood (U.I.S.Co.)	3,807	3,134	17,423	24,364
Bear Island	54	29	247	330
Smith	20	0	92	112
Kennedy	0	0	355	355
Idaho	6,480	735	29,661	36,876
Martin	567	336	4,098	5,001
New Sweden	7,277	1,887	38,311	47,475
Woodville	1,710	196	7,828	9,734
Snake River Valley	7,457	0	49,135	56,592
Blackfoot	3,610	1,459	16,523	21,592
Peoples	6,057	3,354	35,723	45,134
Aberdeen	15,921	20,908	114,296	151,125
Corbett	961	178	4,396	5,535
Trego	371	0	1,701	2,072
Minidoka District	236,030	20,889	0	256,919
Burley District	157,942	5,678	0	163,620
Milner Low Lift	45,687	3,332	0	49,019
Twin Falls Canal	151,185	0	97,183	248,368
Hillsdale Irr. Dist.	41,146	0	0	41,146
N. S. Canal Co.	413,814	45,763	312,007	771,584
Gooding	400,000	0	0	400,000
Idaho Power Co.	45,000	0	0	45,000
U. S.	0	13,593	0	13,593
Total	1,564,444	135,556	847,000	2,547,000

The 13,593 acre-feet of American Falls leased space held by the Government for the duration of the lease was disposed of as follows:

Rented to Upper Valley users	12,060 acre-ft.
Rented to Lower Valley users	768 "
Rented to Swan Valley users	100 "
Retained by U. S. for priming new N. S. Pumping canal, fall of 1956	<u>665</u> "
Total	13,593 acre-ft.

The Twin Falls Canal Company rented 6,618 acre-feet of storage as follows:

Lower Valley users	1,075 acre-ft.
Upper Valley users	5,204 "
Swan Valley users	309 "
Island Park users	<u>30</u> "
Total	6,618 acre-ft.

All the rentals were at the rate of 30¢ per acre-foot, reservoir measurement.

Allotments of Lake Walcott storage and gain Neeley to Milner are shown on Plate 14. The inflow from Market Lake Springs, classified in previous reports as stored water, was considered as natural flow beginning in 1956. The Market Lake water rights have been sold to the Government and State of Idaho for use on a duck refuge north of Roberts, except for the first right for six second-feet to be delivered to Snake River for use under the Kennedy ditch.

During the period June 29 to July 7 when American Falls reservoir was falling slightly there was some water available for the March 30, 1921 priority. This was divided between the American Falls reservoir and Gooding project in accordance with their contract rights, 13,900 acre-feet going to American Falls reservoir and about 12,200 acre-feet going to the Gooding Project.

The supply and disposal of stored water in 1956 is shown in the following tabulation:

Supply and disposal of stored water, 1956
(acre-feet)

Supply

Jackson Lake	July 11	847,230
American Falls	June 28	1,701,000
Am. Falls right	June 29 to July 7	13,900
Lake Walcott	June 29	93,320
Henrys Lake	July 25	78,820
Island Park	July 9	132,950
Grassy Lake	August 31	15,090
Indian and Bergman Lakes yield		821 /a
Sheridan Creek right		1,750 *
Gain Neeley to Milner (Minidoka Proj.)		76,500 *
Gain Neeley to Milner (unallotted)		<u>2,970 *</u>
Total		2,964,351

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

/a Small lakes in Wyoming on Squirrel Creek

Disposal

Used by Snake River rights	1,509,963
Used by Henrys Fork rights	105,581
Storage transmission losses Snake River	43,226
Storage transmission losses Henrys Fork	1,932
Storage transmission losses Cross Cut Canal	2,530
Henrys Lake loss	1,053
American Falls reservoir loss	43,215
Storage waste past Milner	3,605

Holdovers:

Jackson Lake	Sept. 27	366,580
American Falls	Sept. 29	623,000
Lake Walcott	Sept. 29	95,180
Island Park	Sept. 28	79,675
Henrys Lake	Sept. 12	68,500
Grassy Lake	Sept. 17	13,260
Storage in transit at close of storage delivery season		<u>7,051</u>

Total 2,964,351

The items of American Falls reservoir loss, gain Neeley to Milner not allotted to the Minidoka project, and storage waste past Milner were not apportioned to individual canals as the American Falls Reservoir holdover on September 30, 1956 was sufficient to insure 100% fill of rights in that reservoir for 1957.

RIVER LOSSES AND GAINS

Gains and losses between river stations are shown in the following tabulations for the months May thru September, using time intervals shown on Plate 15.

Gain in Snake River, Moran to Heise, 1956
(Heise dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Total
Moran	74,523	71,291	137,340	149,110	108,325	540,589
Palisades release	-27,442	23,610	3,837	524	509	1,038
Total supply	47,081	94,901	141,177	149,634	108,834	541,627
Heise	673,400	790,300	432,200	299,860	222,210	2,417,970
Riley	341	719	863	546	383	2,852
Tot. acct. for	673,741	791,019	433,063	300,406	222,593	2,420,822
Totl gain s.f.	626,660	696,118	291,886	150,772	113,759	1,879,195
Mean gain s.f.	20,210	23,200	9,416	4,860	3,792	12,280
Tot. gain a.f.	1,242,962	1,380,730	578,947	299,052	225,637	3,727,328

The seasonal gain was 85% greater than in 1955. The heavy snow-fall in the mountains made a large contribution to groundwater storage, due to a relatively long snow-melt period, and as a result the gains in this section were well above normal thruout the season in spite of the fact that a pronounced deficiency in precipitation occurred from June thru September inclusive.

Gain in Snake River, Heise to Shelley, 1956
(Heise dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Total
Heise & Riley	673,741	791,019	433,063	300,406	222,593	2,420,822
Rexburg	140,970	112,800	44,978	34,168	41,160	374,076
Total Supply	814,711	903,819	478,041	334,574	263,753	2,794,898
Diversions	178,839	267,271	297,501	239,903	193,688	1,177,202
Shelley	636,200	670,700	218,810	140,860	110,490	1,777,060
Total use	815,039	937,971	516,311	380,763	304,178	2,954,262
Tot. gain s.f.	328	34,152	38,270	46,189	40,425	159,364
Mean gain s.f.	11	1,138	1,235	1,490	1,348	1,042
Tot. gain ac.f.	651	67,739	75,908	91,615	80,182	316,095

The gain averaged 1,360 second-feet during July, August and September compared to 1,140 second-feet in 1955 and 1,390 second-feet in 1954.

The gain in this section of the river is quite a valuable asset to the late season water supply in the upper valley. The high groundwater levels in the adjacent area that produce the gain are built up principally from irrigation use but floodwater losses between Heise and Lorenzo are also a contributing factor. It will be interesting to observe what effect, if any, on the gain will come as the result of storing the floodwater flows in Palisades Reservoir in future years.

Gain in Snake River, Shelley to Blackfoot, 1956
(Shelley dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Total
Shelley	628,300	679,700	224,310	142,130	110,960	1,785,400
Blackfoot River	3,286	2,234	685	1,261	2,274	9,740
Total Supply	631,586	681,934	224,995	143,391	113,234	1,795,140
Diversions	95,648	109,731	126,401	103,178	82,299	517,257
Blackfoot	529,600	564,900	101,830	46,440	42,340	1,285,110
Total Use	625,248	674,631	228,231	149,618	124,639	1,802,367
Tot.diff. s.f.	- 6,338	- 7,303	3,236	6,227	11,405	7,227
Mean diff.s.f.	- 204	- 243	104	201	380	47
Tot.diff.ac.f.	-12,571	-14,485	6,418	12,351	22,621	14,334

During the flood water period in May and June there were appreciable losses as the flood waters spread over the gravel bars. Later on at lower river levels the losses decreased enough so that they were more than offset by waste from canals and groundwater inflow in the vicinity of the mouth of Blackfoot River, leaving a net overall gain. The seasonal gain of 47 second-feet compares with 35 second-feet in 1955.

Gain or Loss in Snake River, Blackfoot to Neeley, 1956
(Neeley dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Total
Blackfoot	521,550	578,600	108,300	46,900	41,870	1,297,220
Inflow	89,770	82,120	81,120	83,690	83,000	419,700
Res. draft	-54,950	13,610	195,620	221,330	122,010	497,620
Total Supply	556,370	674,330	385,040	351,920	246,880	2,214,540
Diversions	10	30	20	20	10	90
Neeley	534,700	633,900	379,400	345,300	240,000	2,133,300
Total Use	534,710	633,930	379,420	345,320	240,010	2,133,390
Tot.diff.s.f.	-21,660	-40,400	- 5,620	- 6,600	- 6,870	- 81,150
Mean diff.s.f.	- 699	- 1,347	- 181	- 213	- 229	- 531
Tot.diff.ac.f.	-42,962	-80,132	-11,147	-13,091	-13,627	-160,959

The loss during the period of storage delivery from American Falls Reservoir, June 29 to September 30, was 43,215 acre-feet or 2.5% of the reservoir capacity. The losses during May and more particularly June were also heavy. Temperatures during these months were about 3° above normal with deficient precipitation. Based on

evaporation losses at American Falls some years ago the June evaporation loss with Lake full should be about 500 second-feet or less than half of that shown by the above tabulated records. The discrepancy may be due in part to small errors in measuring inflow or outflow from the reservoir, as the entire indicated June loss is only 6% of that month's inflow to the reservoir. Also there is no doubt that there has been some impairment of reservoir capacity due to silting from sediment deposited from reservoir inflow as well as by shore erosion. What this amounts to is anybody's guess but it could readily be of the magnitude of 3% of reservoir capacity and would appear in the above tabulation as increased loss. It would seem that the Bureau of Reclamation should take advantage of the first year that American Falls Reservoir is drawn down to a low level to make an areal survey and map of the flooded area and compute a new reservoir capacity table reflecting existing conditions after 30 years of reservoir operation.

The American Falls reservoir had much less drawdown and less bank storage return in 1956 than in 1955 which is probably one of the reasons for the indicated losses during July, August and September 1956.

The average reservoir inflow, excluding Snake River near Blackfoot and Portneuf River at Pocatello, during July, August and September 1956 was 2,640 second-feet compared to 2,617 second-feet during the same months in 1955. The figures, however, include computed discharges for about one-half of the inflow based on the Newell formula: unmeasured inflow in second-feet = $840 + \text{one third of measured inflow}$. The measured inflow held up quite well in 1956 due

to heavy use on adjacent irrigated land which automatically results in a well sustained calculated unmeasured inflow. Heavy use of water on the Aberdeen project in 1956 caused a rise in groundwater levels there. Actually it is possible that the many irrigation wells in the reservoir basin may have been taking water out of the deeper underflow, so that the relationship between measured surface flow and unmeasured flow at lower elevations given by the Newell formula may no longer be strictly applicable. This situation is likely to be further complicated in the future by the development of the Michaud project.

Loss in Snake River, Neeley to Minidoka, 1956
(Minidoka dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Total
Neeley	531,800	639,070	379,800	345,370	242,030	2,138,070
Walcott release	-1,080	2,260	-1,300	590	- 120	350
Total supply	530,720	641,330	378,500	345,960	241,910	2,138,420
Misc. diver.	50	100	90	80	0	320
N. Minidoka	40,685	40,436	52,260	43,800	23,320	200,501
S. Minidoka	34,265	34,156	39,860	36,180	22,566	167,027
Minidoka	454,670	565,320	283,620	263,880	194,140	1,761,630
Total Use	529,670	640,012	375,830	343,940	240,026	2,129,478
Tot. loss s.f.	1,050	1,318	2,670	2,020	1,884	8,942
Mean loss s.f.	34	44	86	65	63	58
Tot. loss ac.f.	2,082	2,614	5,296	4,007	3,736	17,735

There was a loss in this section during each month of the period. averaging 58 second-feet compared to 31 second-feet loss in 1955.

It was observed in the fall of 1956 that the water flowing in Lake Channel north of the upper end of Lake Walcott was lower than usual and that the lower lake in the Lake Channel valley was entirely dried up. This would indicate the possibility that groundwater pumping northeast of Lake Channel may have lowered the water table in the Lake Channel area.

Gain in Snake River, Minidoka to Milner, 1956
(Milner dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Total
Minidoka	449,420	574,270	284,030	264,090	196,250	1,768,060
Misc. diver.	60	90	120	120	10	400
P. A.	2,017	2,018	2,284	2,259	1,390	9,968
Milner Low Lift	6,488	5,678	6,983	6,851	4,876	30,876
Gooding	70,850	70,390	79,750	74,240	62,220	357,450
No. Side	74,000	76,850	86,710	82,070	57,980	377,610
So. Side	104,310	99,640	113,270	107,240	77,840	502,300
Milner	208,759	328,834	7,405	8,081	8,782	561,861
Total Use	466,484	583,500	296,522	280,861	213,098	1,840,465
Tot. gain s.f.	17,064	9,230	12,492	16,771	16,848	72,405
Mean gain s.f.	550	308	403	541	562	473
Tot. gain ac.f.	33,846	18,307	24,778	33,265	33,418	143,614

The 1956 gain was about the same as in 1955 except during May when it was considerably greater. The river was at flood stage late in May and the apparent difference in that month may be due to undetected shifts in rating at the river stations or variation from normal time interval between Minidoka and Milner.

The overall gain between Neeley and Milner during the period of storage release June 29 (Neeley date) to September 30 amounted to 79,470 acre-feet of which 76,500 acre-feet was credited to the Minidoka project for the period when it was drawing storage, June 29 to September 27, and 2,970 acre-feet was unallotted.

Advantage was taken of the closure at Palisades dam early in November 1956 to make some measurements of gain in the river between that point and the Heise gaging station. Because these may be of some future value it seems advisable to include them in this report as a readily accessible record of the data obtained:

Measurements of Gain between Palisades Dam and Heise Gaging Station,
November 1956

The gate at the head of the discharge tunnel at Palisades dam was lowered at noon on November 3. The drop hit the Heise station at about 10 p.m., or 10 hours later.

A set of measurements was made November 6 by Henry C. Eagle assisted by L. R. Miskin, Bureau of Reclamation, with the following results:

	<u>Sec.-ft.</u>	<u>Unmeasured gain sec.-ft.</u>
Sheep Creek inflow to River	1.0	
Snake River at gaging station below Palisades dam (Irwin)	25	
Inflow (Nov. 5)	<u>sec.-ft.</u>	
Palisades creek	42.7	
Fall Creek	16.7	
Rainey Creek	52.6	
	112.0	
	Total	112
Snake River at Swan Valley Bridge		192
Unmeasured gain between Palisades (Irwin) gaging station and Swan Valley bridge		55
Inflow from Pine Creek (Nov. 7)	11	
Snake River at Dry Canyon	269	
Unmeasured gain Swan Valley bridge to Dry Canyon		66
Snake River above Buckland springs	350	
Unmeasured gain Dry Canyon to above Buckland spgs.		81
Inflow:		
Buckland Springs	47.3	
Burns Creek	9.2	
Fisher Springs (Nov. 9)	11	
Wolverine & Mud Creek	2	
	<u>69.5</u>	
	Total	70
Snake River at Clark Ranch		529
Unmeasured gain from above Buckland Springs to Clark Ranch		109
Snake River at Heise gage (from rating curve)	534	
Unmeasured gain Clark ranch to Heise gage		5
Total unmeasured gain between Irwin and Heise gaging stations		316

As the river flow continued to drop at the Heise station and the gates remained closed at Palisades dam another set of measurements was made Nov. 9. The tributaries were not remeasured as no significant change in their flow occurred. The River measurement in the vicinity of Burns Creek, however, was made a mile or so further downstream than on Nov. 6 and at the proposed Burns Creek damsite (old river gaging station site). Wm. Anderson, Bureau of Reclamation, assisted in this latter set of measurements. Results were as follows:

	<u>Sec.-ft.</u>	<u>Unmeasured gain sec.-ft.</u>
Snake River below Palisades dam (Irwin) gaging station	19	
Inflow (Nov. 5)	112	
Snake River at Swan Valley bridge	165	
Unmeasured gain Palisades (Irwin) gaging station to Swan Valley bridge		34
Inflow from Pine Creek (Nov. 7)	11	
Snake River at Dry Canyon	208	
Unmeasured gain Swan Valley bridge to Dry Canyon		32
Inflow:		
Buckland springs (Nov. 6)	47.3	
Burns Creek (Nov. 6)	9.2	
Fisher Flat Springs	11	
Total	67.5	
Snake River at Burns Creek damsite	430	
Unmeasured gain Dry Canyon to Burns Creek damsite		154
Inflow from Wolverine and Mud Creek	2	
Snake River at Clark Ranch	471	
Unmeasured gain Burns Creek damsite to Clark ranch		39
Snake River at Heise gage (from rating curve)	470	
Loss Clark ranch to Heise gage		-1
Total unmeasured gain between Irwin and Heise gaging stations		258

The decrease of 58 second-feet in the overall gain between the Irwin and Heise stations from November 6 to 9 is practically all due

to decreased gain in Swan and Conant valleys as the ground water drained into the lower river levels.

A comparison of the two sets of measurements indicates that there are about 70 second-feet of unmeasured inflow to the river channel in the mile or so above the Burns Creek damsite in the vicinity of the Buckland and Fisher Flat surface flow springs.

There appears to be practically no loss or gain between the Clark ranch and Heise gage at the time of measurements, altho some loss likely occurs at higher river flows.

The flow of the river at the Irwin and Heise gaging stations during the period was as follows:

<u>Mean daily discharge in second-feet</u>		
<u>Date</u>	<u>Snake River near Irwin</u>	<u>Snake River near Heise</u>
Nov. 4	80	748
5	72	567
6	25	534
7	22	497
8	19	479
9	19	470
10	19	460

The flow at Heise was still slowly dropping on November 10, indicating that upstream groundwater flows into the river had not yet stabilized.

DISTRIBUTION ON HENRYS FORK

By agreement between the watermaster and the Directors of the Fremont-Madison Irrigation District, Mr. O. P. Mortensen was selected as Deputy Watermaster at St. Anthony in immediate charge of water distribution on Henrys Fork, Fall River and lower Teton River. Mr. Mortensen succeeded Melvin Luke who had retired from the position after 25 continuous years of faithful service.

There was an ample water supply for the area in 1956 and no unusual problems were encountered. The practice started in 1955 of carrying a little surplus water thru the Cross Cut Canal to Teton River and thence to Henrys Fork was continued during 1956 and facilitated the delivery of water to Teton River canals when needed, without them having to wait several days to get an additional flow when desired.

Some controversy existed between users of water from Squirrel Creek over distribution of water on that stream. This, however, is nothing new and will likely continue until the local users reach some equitable agreement on matters at issue or they are decided by court order. The water situation on that stream is a complicated one and an exact daily determination would require that a deputy spend half of each day in that remote area checking the various changing elements involved. The small flow available after the flood-waters are over makes this unjustified from the cost involved.

Some stored water was discharged from Grassy Lake late in the season to lower the reservoir water level during the winter months but the supply of natural flow in Fall River was sufficient to meet demands without requiring such release.

Storage draft from the Henrys Fork reservoirs started on the following dates: Island Park July 9, Henrys Lake July 25, Grassy Lake August 31. Combined holdovers in these three reservoirs on September 30, 1956 amounted to 162,060 acre-feet compared to 88,770 acre-feet a year previous. However, the holdover on September 30, 1956 at Island Park purposely included some retained storage borrowed from Snake River reservoirs thru exchange for natural flow. 20,600 acre-feet of this specially retained holdover at Island Park was

spilled November 1-13, 1956 to supply water needs on Snake River below Henrys Fork, especially power rights of the City of Idaho Falls, during the period of the Palisades shut-off. This water spilled in November was caught at American Falls reservoir so the operation resulted in no loss of water.

The usual methods of segregating stored water and natural flow at the reservoir outlets and downstream gaging stations were continued during 1956. These have been described in detail in past reports and it seems unnecessary to repeat them here.

Figures showing operation of the Cross Cut Canal are shown on Plate 23-A. Diversion of water from Henrys Fork by this canal started July 6 and continued thru September 30. It supplied 19,400 acre-feet to the Fall River Canal Company and delivered 12,670 acre-feet to Teton River. Transmission losses for the season were 16.7% which is greater than usual, probably due to a sink hole in the canal bed that was discovered after the water was shut out in the fall. The water lost in this canal, in all likelihood, returns again to Henrys Fork above the Rexburg gaging station, so it is not a water loss to the river as a whole.

Some miscellaneous measurements of various streams in the Island Park section were made by H. C. Eagle on trips to regulate water in that area, as follows:

Miscellaneous Measurements in Island Park, 1956

<u>Stream</u>	<u>July 31</u>	<u>Aug. 9</u>	<u>Aug. 16</u>
	(second-feet)		
Sheridan Creek above diversions	25.9		25.7
Morain Creek	3.0		
Sheridan Creek at Highway 22	8.4		9.3
Upper Railroad ranch diversion	7.2		6.4
Lower Railroad ranch diversion	1.0		.6
Willow Creek at Sheep Corrals $\frac{1}{2}$ mile above Stringer diversion	4.0		
Grubb diversion from Icehouse Creek	1.5		
Icehouse Creek at forest road	10.0		
Icehouse Creek at highway 22	8.0		
Ab. Laird diversion from So. Twin Creek	1.5		
Roy Laird diversion from No. Twin Creek	2.0	2.0	
P. Finlay diversion from Targhee Creek	1.7	1.7	
Salisbury diversion from Howard Creek	3.5		
Salisbury diversion from Targhee Creek	8.0		
Rock Creek above diversions	6.0	8.5	6.8
Duck Creek above diversions	5.0	6.0	6.5
Hope Creek above diversions	2.0	2.0	1.5

Inflow to Henrys Lake, August 1, 1956

<u>Stream</u>	<u>Second-feet</u>
Howard Creek	0
Targhee Creek	2.0
Sherwood et al springs	3.0
Timber Creek	0.5
Webster springs	3.5
Duck Creek	<u>4.0</u>
Total	13.0

In addition to the above there is substantial groundwater inflow to the Lake between Howard and Targhee Creeks, probably mostly return flow from irrigation.

Henrys Lake Allotment 1956

July 25 contents	78,820 acre-feet
Estimated dead storage and loss	<u>3,000 " "</u>
Available for allotment	75,820 acre-feet

Allotted

Dewey	1.43%	1,080	acre-feet
Last Chance	13.87	10,510	" "
St. Anthony Union	6.8	5,160	" "
Salem Union	24.2	18,350	" "
Egin	6.8	5,160	" "
Independent	26.8	20,320	" "
Consolidated Farmers	<u>20.1</u>	<u>15,240</u>	" "
	100	75,820	acre-feet

Between July 25 when storage draft started and September 12 when storage release ceased the lake contents decreased 10,320 acre-feet. During the same period the segregated flow at the Lake outlet showed a discharge of 9,267 acre-feet, giving an indicated loss in the Lake of 1,053 acre-feet from July 25 to September 12. This figure is approximate only as it would cost more to accurately measure the daily inflow into Henrys Lake than the water represented by any errors in the estimates is worth.

Fremont-Madison District Allotment

Island Park	July 9	132,950	acre-feet
Grassy Lake	August 31	15,090	" "
Sheridan Creek right		<u>1,750</u>	" "
	Total	149,790	acre-feet

In 1956 the District allotted 131,656 acre-feet to its members and rented them an additional 1,456 acre-feet.

Snake River storage water available in 1956 for use on Henrys Fork thru exchange for natural flow was as follows:

Enterprise Irrigation District	16,071	acre-feet
Rented Jackson Lake water	<u>30</u>	" "
Total	16,101	acre-feet

Allowing for 7.26% transmission loss from Jackson Lake this would be equivalent to 14,933 acre-feet at the Rexburg gaging station. As shown by the last column on Plate 21 there was a total of

20,897 second-feet or 41,448 acre-feet of natural flow retained as storage on Henrys Fork in 1956. This is 26,515 acre-feet, Rexburg measurement, in excess of the allocated amount, which is equivalent to 27,190 acre-feet of Snake River stored water being retained in Island Park reservoir on September 30, 1956. As previously stated, 20,600 acre-feet of this was spilled to Snake River November 1-13, 1956, still leaving 6,590 acre-feet of Snake River storage in Island Park reservoir when the gates there were closed November 15, 1956.

Diversions during 1956 irrigation season, May to September, 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	3,330	1,150	2.9
Marysville	44,500	15,000	3.0
Farmers Own	16,900	4,800	3.5
Almy	440	80	5.5
Enterprise	35,200	5,920	5.9
Bell	1,550	320	6.6
Fall River	95,900 (a)	9,000	10.6
McBee	394	60	6.6
Chester	14,100	1,350	10.4
Silkey	3,350	680	4.9
Cur	10,200	1,300	7.8
Total Fall River	225,864	39,660	5.7

(a) Includes 19,400 acre-feet diverted thru Cross-Cut.

<u>Henrys Fork Canals</u>			
Dewey	4,870	1,000	4.9
Last Chance	18,800	1,850	10.1
St. Anthony Union	134,000	9,700	13.8
Farmers Friend	33,400	2,800	11.9
Twin Groves	36,000	2,300	15.6
Salem Union	51,900	5,700	9.1
Egin	79,700	6,000	13.3
St. Anthony U. Feeder	20,700	2,300	9.0
Independent	85,700	7,000	12.2
Consolidated Farmers	54,600	6,000	9.1
Total Henrys Fork	519,670	44,650	11.6

diversions during 1956 irrigation season - continued

Canal	Diversions (acre-feet)	Area Irrigated (acres)	Acre-feet per acre
<u>Lower Teton Canals</u>			
Siddoway	4,360	500	8.7
Wilford	33,000	2,500	13.2
Teton Irrigation	22,900	2,000	11.4
Good Luck	4,270	400	10.7
Pioneer	2,580	300	8.6
Stewart	4,780	400	11.9
Pincock Byington	3,780	400	9.4
Pincock Garner	5,850	480	12.2
Teton Island Feeder	101,000	10,400	9.7
Roxana	4,150	720	5.7
Island Ward	7,500 (b)	3,000	2.5
Woodmansee-Johnson	6,560 (c)	1,300	5.0
City of Rexburg	4,600	720	6.4
Rexburg Irrigation	54,600	5,280	10.3
McCormick Rowe	1,690	160	10.5
Saurey Sommers	4,500	400	11.2
Gardner	93	200	0.5
Eames Thompson	617	160	3.9
Total Lower Teton	266,830	29,320	9.1
Total Fall River, Henrys Fork and Lower Teton			
	1,012,364	113,630	8.9

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

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

Total diversions were about 78,500 acre-feet greater than in 1955 due to weather conditions and an unrestricted water supply until early July.

Diversions by some of the principal canals in the headwater areas for the 1956 irrigation season (May 15 to Sept. 30) are shown below:

Canal	Diversions (acre-feet)	Area Irrigated (acres)	Acre-feet per acre
String Canal	14,700	2,400	6.1
Trail Creek Irrigation	39,000	5,500	7.1
Fox Creek Canals	16,800	3,800	4.4
Darby Creek Canals	22,500	4,900	4.6
Grand Teton	37,200	6,500	5.7
Canyon Creek	7,100	2,200	3.2
Conant Creek	5,530	2,000	2.8
Squirrel Creek*	1,300	500	2.6
Boom Creek*	1,450	400	3.6

*These canals did not start diversions until in June.

River gains in Henrys Fork Basin, 1956

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, 1956

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

Station	May	June	July	Aug.	Sept.	Total
Lake	455	616	1,644	3,579	1,435	7,729
I. P. release	-2,198	1,956	17,245	7,853	1,790	26,646
Total supply	-1,743	2,572	18,889	11,432	3,225	34,375
Island Park	28,828	21,858	32,477	25,659	16,864	125,686
Tot.gain s.f.	30,571	19,286	13,588	14,227	13,639	91,311
Mean gain s.f.	986	643	438	459	455	597
Tot.gain ac.f.	60,637	38,253	26,951	28,219	27,052	181,112

The average gain for the season was 26 second-feet less than in 1955. The 1956 snowfall in Island Park was but slightly above normal and a large deficiency in precipitation occurred in that area during the period May thru September.

Gain in Henrys Fork, Island Park to Ashton, 1956

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

Station	May	June	July	Aug.	Sept.	Total
Island Park	28,308	22,337	31,957	26,091	17,015	125,708
Ashton	82,790	51,650	58,490	47,590	38,150	278,670
Tot.gain s.f.	54,482	29,313	26,533	21,499	21,135	152,962
Mean gain s.f.	1,757	977	856	694	704	1,000
Tot.gain ac.f.	108,063	58,142	52,627	42,643	41,921	303,396

The average gain for the season was 141 second-feet greater than in 1955.

Gain in Henrys Fork, Ashton to St. Anthony, 1956

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

Station	May	June	July	Aug.	Sept.	Total
Ashton	82,729	51,886	58,348	47,747	38,174	278,884
Chester	78,134	57,833	14,524	7,324	11,830	169,645
Total Supply	160,863	109,719	72,872	55,071	50,004	448,529
Diversions	33,746	34,226	37,835	31,820	20,499	158,126
St. Anthony	129,620	81,140	38,128	28,504	34,320	311,712
Total Use	163,366	115,366	75,963	60,324	54,819	469,838
Tot.gain s.f.	2,503	5,647	3,091	5,253	4,815	21,309
Mean gain s.f.	81	188	100	169	160	139
Tot.gain ac.f.	4,965	11,200	6,130	10,419	9,551	42,265

The average gain was practically the same as in 1955.

Gain in Fall River, Squirrel to Chester, 1956

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

Station	May	June	July	Aug.	Sept.	Total
Squirrel	76,097	75,727	28,251	19,258	19,804	219,137
Diversions	12,239	24,320	18,358	14,690	10,335	79,942
Chester	78,410	57,470	14,336	7,368	11,853	169,437
Tot.use s.f.	90,649	81,790	32,694	22,058	22,188	249,379
Tot.gain s.f.	14,552	6,063	4,443	2,800	2,384	30,242
Mean gain s.f.	469	202	143	90	79	198
Tot.gain ac.f.	28,864	12,026	8,813	5,554	4,729	59,986

The average gain was 16 second-feet greater than in 1955, which was all due to increased gain during the snow melting period in May.

Gain in Teton River, Tetonia to St. Anthony, 1956

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

Station	May	June	July	Aug.	Sept.	Total
Tetonia	23,335	31,040	20,789	14,390	11,186	100,740
Cross Cut Inflow	0	0	2,740	2,040	1,607	6,387
Total Supply	23,335	31,040	23,529	16,430	12,793	107,127
St. Anthony	67,381	67,220	37,130	24,849	19,874	216,454
Tot.gain s.f.	44,046	36,180	13,601	8,419	7,081	109,327
Mean gain s.f.	1,421	1,206	439	272	236	715
Tot.gain ac.f.	87,364	71,762	26,977	16,699	14,045	216,847

The snowfall was well above normal on Teton River in 1956. The canals in Teton Basin diverted large amounts of water during the

flood period thereby building up the groundwater levels, which produced a good return flow to the river thruout the summer. The seasonal gain was 54% greater than in 1955.

Gain in Henrys Fork and Teton River, St. Anthony to Rexburg, 1956

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

Station	May	June	July	Aug.	Sept.	Total
Teton River	67,381	67,220	37,130	24,849	19,874	216,454
Henrys Fork	129,620	81,140	38,128	28,504	34,320	311,712
Total Supply	197,001	148,360	75,258	53,353	54,194	528,166
Teton diver.	25,299	36,918	32,577	22,209	17,438	134,441
H. Fk. diver.	30,332	28,659	26,169	21,044	15,180	121,384
Rexburg	141,980	111,025	44,633	34,148	41,305	373,091
Total Use	197,611	176,602	103,379	77,401	73,923	628,916
Tot.gain s.f.	610	28,242	28,121	24,048	19,729	100,750
Mean gain s.f.	20	941	907	776	658	658
Tot.gain ac.f.	1,210	56,017	55,777	47,698	39,132	199,834

The average gain was greater by 81 second-feet or 14% than in 1955, probably mostly due to the heavier diversions on Teton River producing more return flow.

TETON BASIN

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

There was a heavy diversion of water by the canals during the flood period due to warm weather and deficient precipitation. The supply was generally adequate until about mid-July and was better than the average of past years even after that date.

The beneficial effect of the heavy floodwater use of water in Teton Basin in 1956 is shown by the discharge at the Tetonia gaging station during July, August and September when the flow is entirely supplied by groundwater inflow.

Mean monthly discharge in second-feet
Teton River near Tetonia

<u>Year</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>
1955	424	362	293
1956	666	462	372

Water distribution between Wyoming and Idaho on Teton Creek was based on the terms of the 1940 Federal Court decree. Some time after the entry of this decree, which resulted from an action initiated by lower Teton River waterusers, the Idaho users on Teton Creek, who were not parties to the decree, were dissatisfied with some of its provisions and had several meetings with the Wyoming Compact Commission to discuss the matter of adjusting the situation by means of an inter-State Compact. Wyoming waterusers on Teton Creek, however, objected to any change that would deprive them of any water that they were receiving under the terms of the existing decree. The Idaho users on Teton Creek considered the question of litigating the matter in the Federal Courts but apparently were unwilling to bear the costs that would be incurred in such a venture and now seem to have reconciled themselves to operating under the terms of the existing Federal Court decree.

The discharge of various streams and canals and stored water use in Teton Basin is shown on Plates 23, 24, 46-48.

Stored water diversions by users in Teton Basin, thru exchange for natural flow were made on the basis of diverting 1.625 times the amount of their storage delivered thru the Cross Cut Canal to Teton River in accordance with a formal agreement between upper and lower users on Teton River which appears in the District No. 36 annual report for 1949.

Teton Basin waterusers were allotted 6,774 acre-feet of Fremont-Madison storage and rented an additional 231 acre-feet for a total of 7,005 acre-feet. Allowing for stored water transmission losses and the 1.625 to 1 delivery schedule this is equivalent to 9,632 acre-feet at the canal headgates, of which they actually diverted 7,097 acre-feet.

Mr. Seth Hansen of Tetonia again served as a special deputy in the Leigh Creeks area on an hourly basis for time actually worked. One-half of the cost of his services amounting to \$237.00 was charged to the local users as a special expense and a similar amount was charged as a general expense of District No. 36. At the request of the Watermaster, the State Reclamation Engineer served formal notice on the Leigh Creeks waterusers to install suitable headgates and measuring devices by the beginning of the 1957 irrigation season.

SWAN VALLEY

F. S. Thomas (May 20 to July 2) and David Peterson (July 2 to September 10) served as Deputy Watermasters in Swan Valley. They also acted as canal watermaster on several canals and a special charge of \$575 was made against the waterusers under such canals for this service, the balance of the cost being charged as a general expense of District No. 36.

Due to rights not being cut to as early priorities as usual rentals of stored water to Swan Valley users amounted to only 409 acre-feet in 1956.

PRECIPITATION IN INCHES
(Actual and normal for year ending September 30, 1956)

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.	3.41	2.02	1.94	1.62	.93	1.24	1.50	1.66	1.10	1.26
Nov.	5.87	2.85	3.27	1.85	1.45	1.08	2.09	1.51	1.36	1.15
Dec.	10.03	3.19	6.92	1.96	5.62	1.50	6.12	1.74	5.03	1.25
Jan.	6.71	3.76	4.36	2.24	2.22	1.47	3.63	2.14	2.07	1.42
Feb.	2.92	3.55	2.12	2.18	.55	1.41	1.43	1.87	.41	1.15
Mar.	2.89	3.63	2.55	2.05	.85	1.28	1.14	2.00	.65	1.14
Apr.	3.22	2.20	2.36	1.69	1.60	1.16	1.83	1.56	1.38	1.06
May	2.00	2.44	1.15	1.89	1.45	1.51	2.56	2.00	2.20	1.67
June	1.09	2.56	.68	1.86	.34	1.59	1.50	2.17	.45	1.53
July	.64	1.43	.44	1.02	1.22	.78	.54	.93	.45	.97
Aug.	1.00	1.39	.71	1.33	.31	1.19	.11	1.05	.23	.87
Sept.	.58	1.65	.53	1.32	.15	1.08	.65	1.25	.36	1.18
Year	40.36	30.67	27.03	21.01	16.74	15.29	23.10	19.88	15.69	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.	1.31	1.28	.06	.98	.24	1.04	.35	.91	1.21	1.33
Nov.	1.61	1.30	.42	.79	.46	1.06	.63	1.08	1.90	1.41
Dec.	3.92	1.64	1.99	1.06	1.33	1.14	1.96	.90	4.77	1.60
Jan.	2.77	1.88	1.49	1.31	2.92	1.21	2.53	1.10	3.19	1.84
Feb.	.99	1.52	.14	.97	.33	.96	.30	.88	1.02	1.61
Mar.	.56	1.21	.18	1.08	.20	1.13	.14	.85	1.02	1.60
Apr.	1.39	1.16	.50	.94	.47	1.32	.19	1.11	1.44	1.36
May	.58	1.71	1.26	1.24	1.06	1.21	1.17	1.03	1.49	1.63
June	.58	1.66	.07	1.21	.03	1.02	.20	.81	.55	1.60
July	.67	.94	.41	.62	.08	.76	.18	.35	.51	.87
Aug.	.12	.79	.46	.59	.01	.72	.0	.22	.33	.91
Sept.	.56	1.12	.12	.82	.13	.90	.44	.57	.39	1.11
Year	15.06	16.21	7.10	11.61	7.26	12.47	8.09	9.81	17.82	16.87

The most striking feature of the above tabulation is that at points in the irrigated valley the year's precipitation was below normal, only about 60% of normal at Idaho Falls and Pocatello, for example, while in the mountains at Snake River station and Moran the annual precipitation was about 130% of normal.

The bulk of the heavy precipitation in the mountains occurred during November, December and January. During December, particularly, at many points the monthly precipitation was between three and four

times the normal amount. The June to September precipitation was generally considerably below normal both on the headwaters and at the lower valley elevations.

EXPENDITURES DURING YEAR ENDING DECEMBER 31, 1956

Engineers and Hydrographers

Lynn Crandall	Salary 1 year	\$10,065.12
Henry C. Eagle	Salary 1 year	7,465.12
O. P. Mortensen	Salary 5 months @ \$325 mo.	1,653.00
C. D. Cooper	Salary 3.30 mo. @ \$325 mo.	1,073.06
A. H. Bush	Salary 3.01 mo. @ \$325 mo.	979.04
Oleen Dummer	Salary 5.02 mo. @ \$325 mo.	1,633.00
R. H. Seymour	Salary 10 days @ \$14 day	140.00

Clerk

Charlotte M. Elg	Salary 1 year	3,924.96
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River Riders:

D. R. Anthony	85 days @ \$9.50 incl. mileage	807.50
Gale M. Bramwell	85 days @ \$9.50 incl. mileage	807.50
R. W. Milligan	37 days @ \$10.50 incl. mileage	388.50
C. J. Anderson	85 days @ \$9.25 incl. mileage	786.25
F. S. Thomas	44 days @ \$14.00 incl. mileage	616.00
David Peterson	71 days @ \$14.00 incl. mileage	994.00
Elmer Lenz	2.74 mo. @ \$75.00 incl. mileage	205.64
Joseph Bohi	85 days @ \$12.00 incl. mileage	1,030.64
	$\frac{1}{2}$ day, \$10.64 incl. mileage	
S. B. Garrett	85 days @ \$12.00 incl. mileage	1,030.00
	$\frac{1}{2}$ day, \$10.00 incl. mileage	502.00
Seth L. Hansen	251 hr. @ \$2.00 hr. incl. mileage	

Miscellaneous

Transportation, 2,968 mi. @ 7¢, 43,349 mi. @ 8¢ mi.	3,675.68
Telephone and telegraph	534.09
Supplies and Equipment	1,110.81
Gage Readers	691.80
Bond Premium and Insurance	138.54
Interest	86.90
Social Security	206.61
Construction and Repairs	460.55
Miscellaneous (Subsistence)	574.06
Groundwater Investigations	1,500.00
Postage	269.41

Total

\$43,349.78

Expenditures from various funds

Waterusers Funds	\$24,405.72
State of Idaho Stream Gaging Fund	3,333.33
U. S. Bureau of Reclamation	4,811.42
U. S. Geological Survey	<u>10,799.31</u>
Total	\$43,349.78

In addition to the foregoing, upper valley members of the Committee of Nine were paid \$909.08 for services at \$10.00 per day, and expenses, which was pro-rated among upper valley canals.

Funds on hand January 1, 1957

District 36 Waterusers Fund	\$11,719.81
State of Idaho Stream Gaging Fund	1,672.77
U. S. Geological Survey regular funds	4,678.52
U. S. Bureau of Reclamation Funds	<u>1,702.77</u>
Total	19,773.87

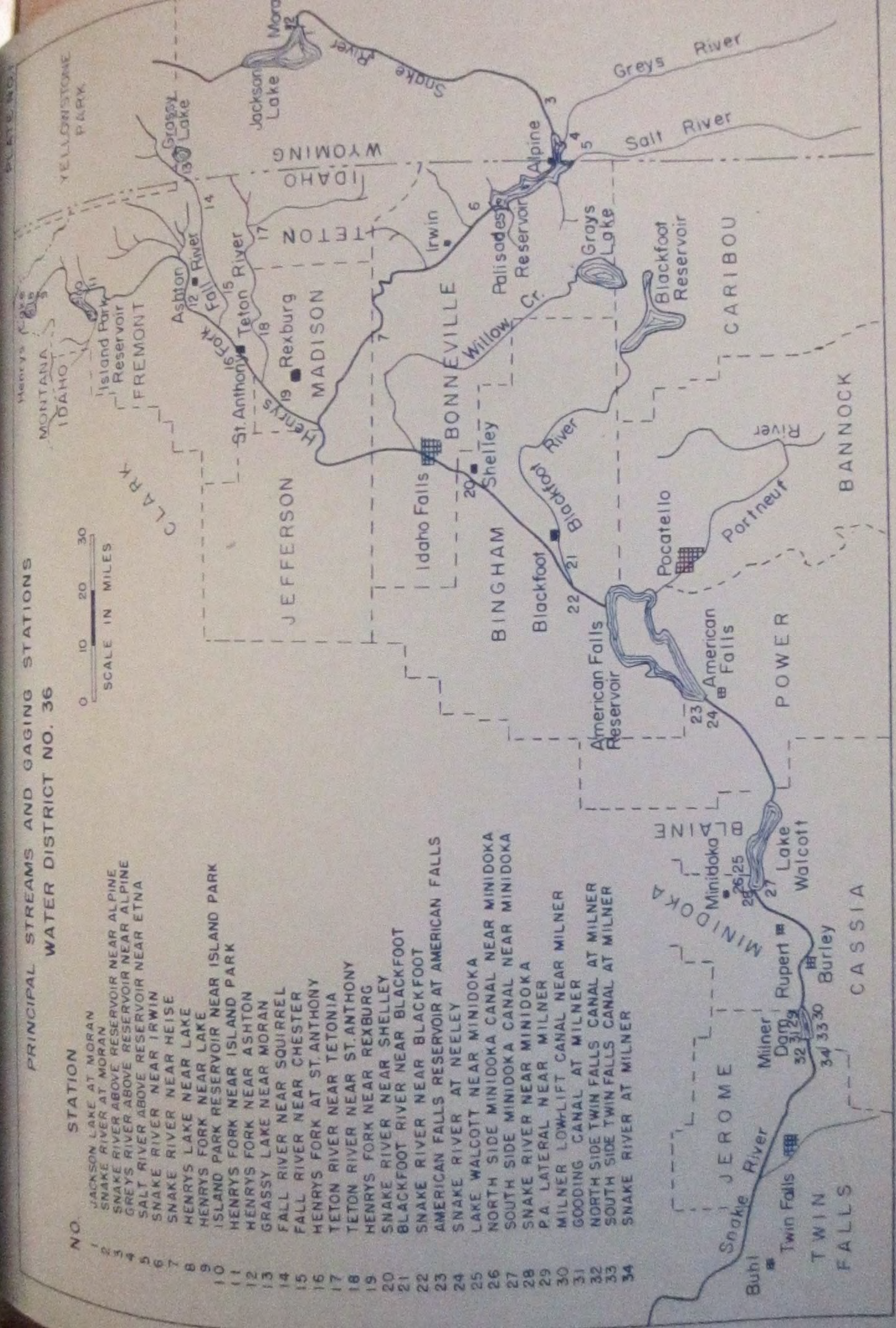
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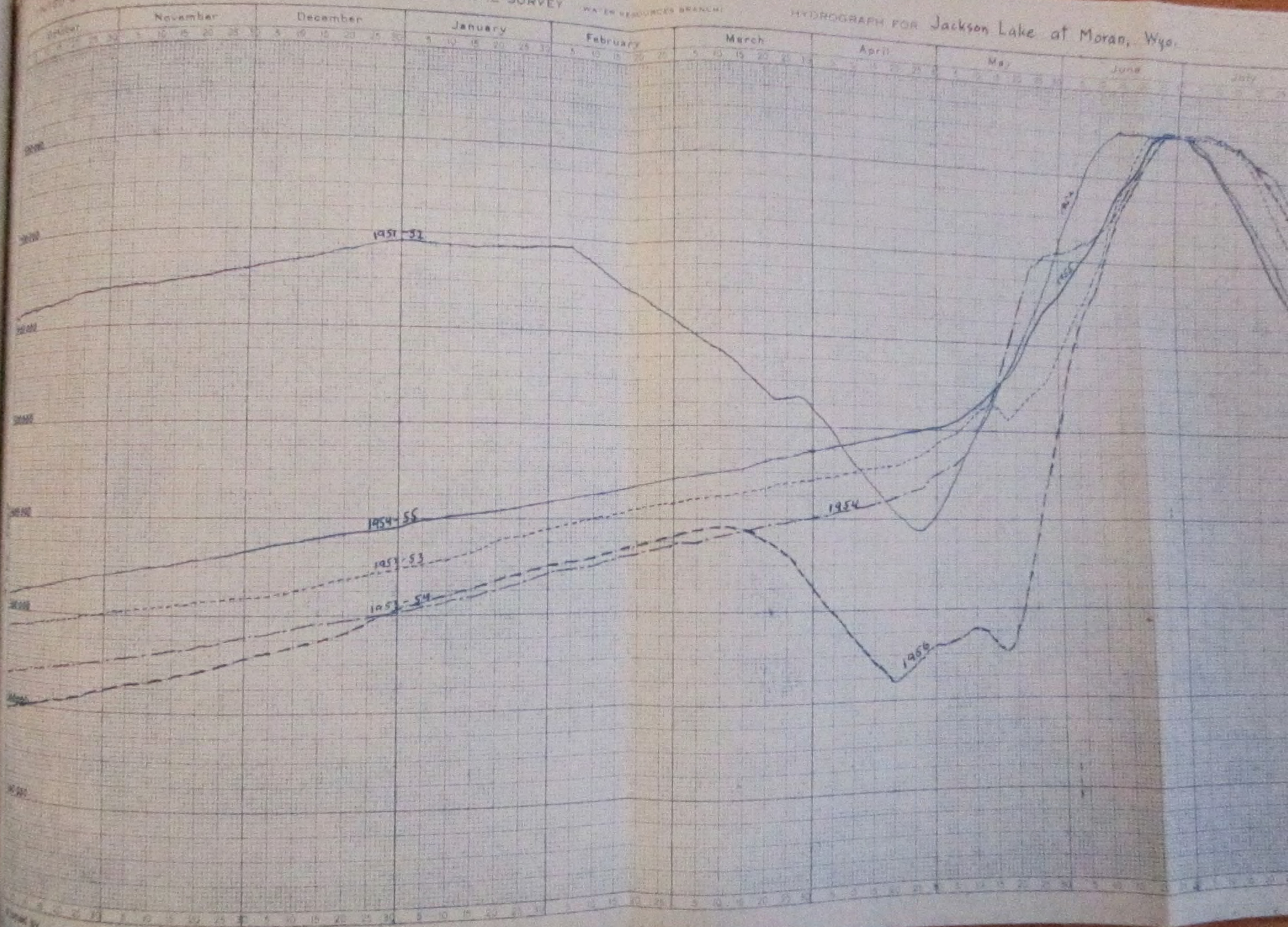
PRINCIPAL STREAMS AND GAGING STATIONS WATER DISTRICT NO. 36

NO. STATION

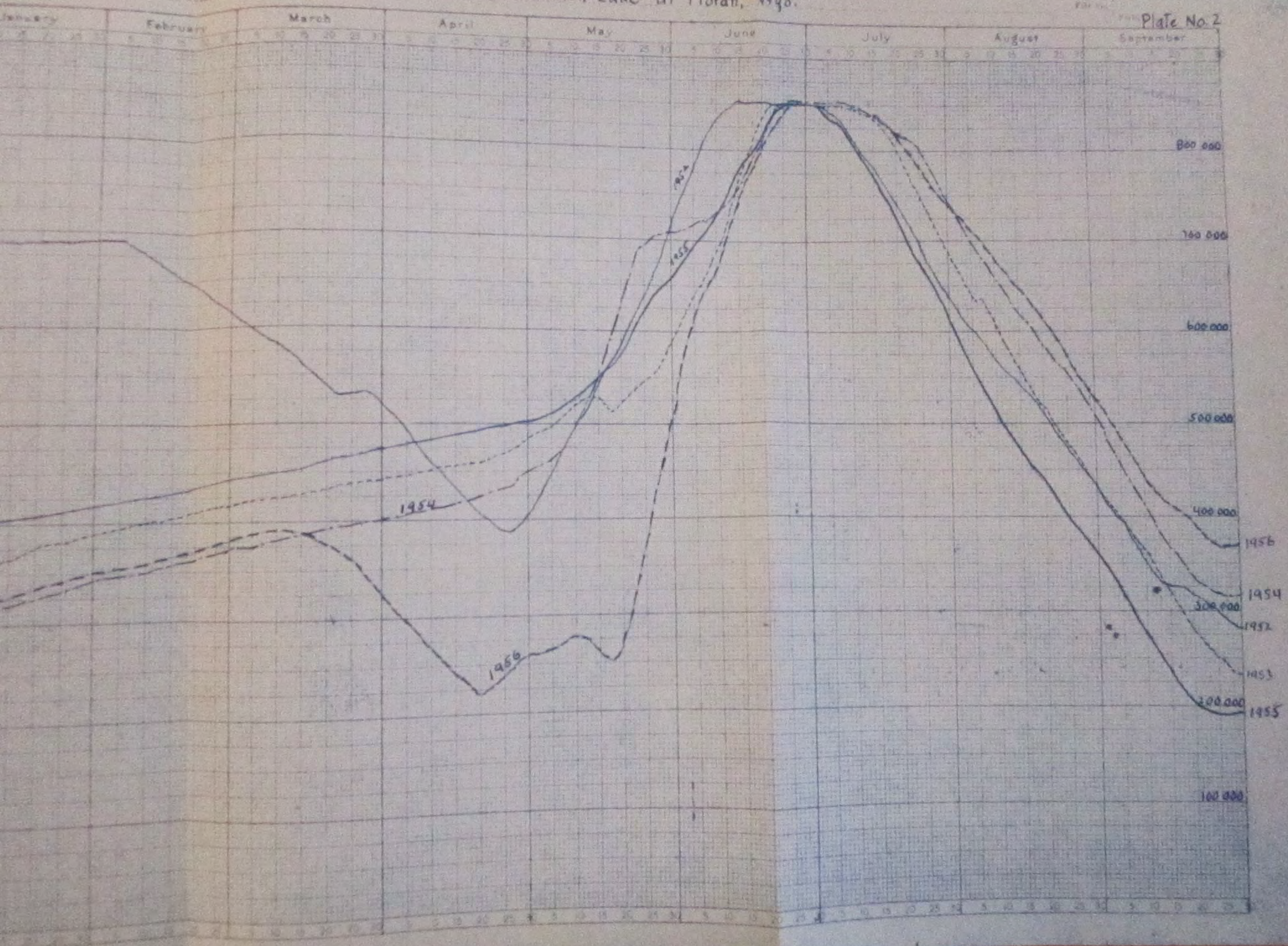
- 1 JACKSON LAKE AT MORAN
- 2 SNAKE RIVER AT MORAN
- 3 SNAKE RIVER ABOVE RESERVOIR NEAR ALPINE
- 4 GREYS RIVER ABOVE RESERVOIR NEAR ALPINE
- 5 SALT RIVER ABOVE RESERVOIR NEAR ETNA
- 6 SNAKE RIVER NEAR IRWIN
- 7 SNAKE RIVER NEAR HEISE
- 8 HENRYS LAKE NEAR LAKE
- 9 HENRYS FORK NEAR LAKE
- 10 ISLAND PARK RESERVOIR NEAR ISLAND PARK
- 11 HENRYS FORK NEAR ASHTON
- 12 HENRYS FORK NEAR MORAN
- 13 GRASSY LAKE NEAR SQUIRREL
- 14 FALL RIVER NEAR CHESTER
- 15 FALL RIVER NEAR ST. ANTHONY
- 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

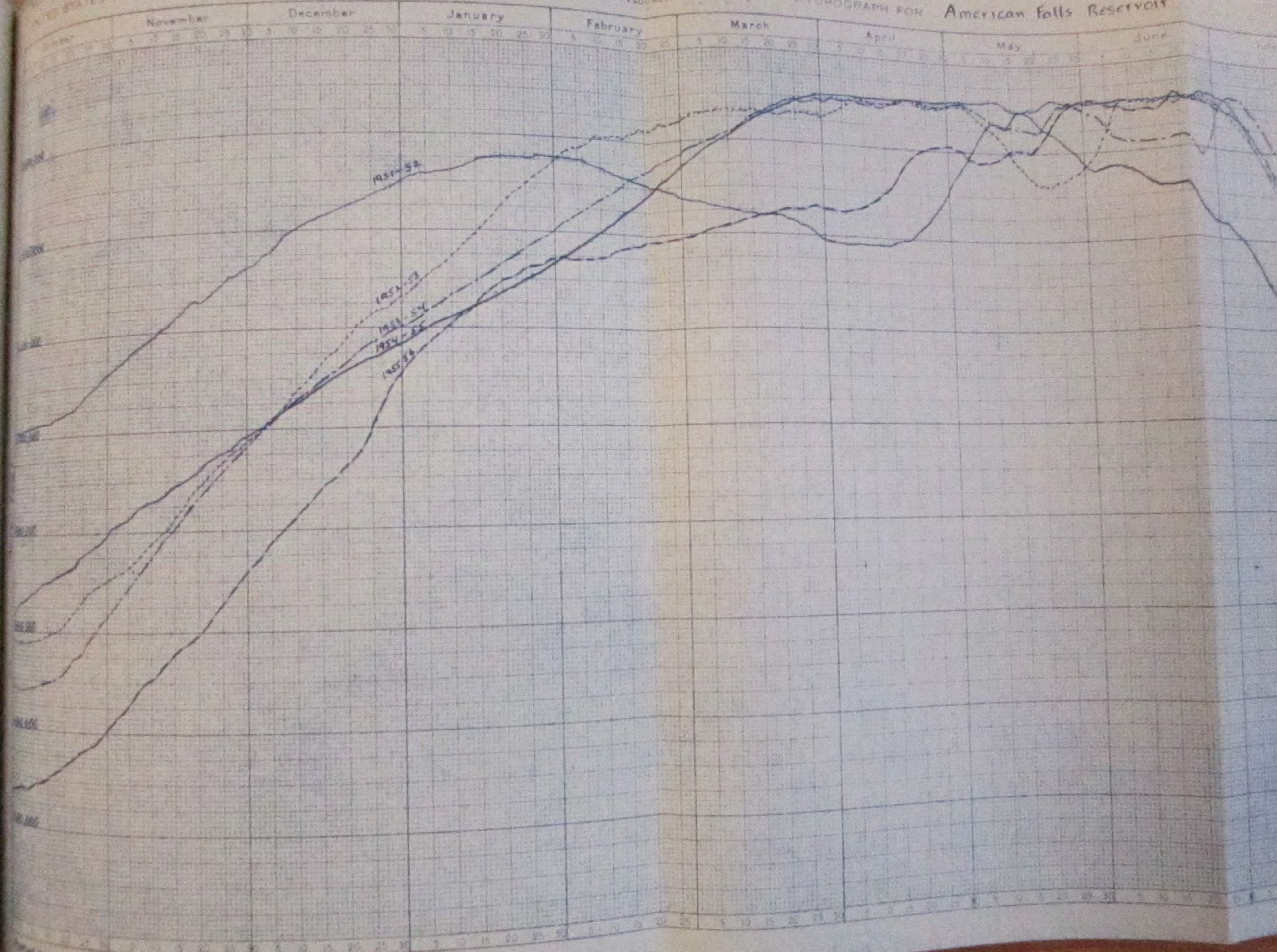
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0 10 20 30

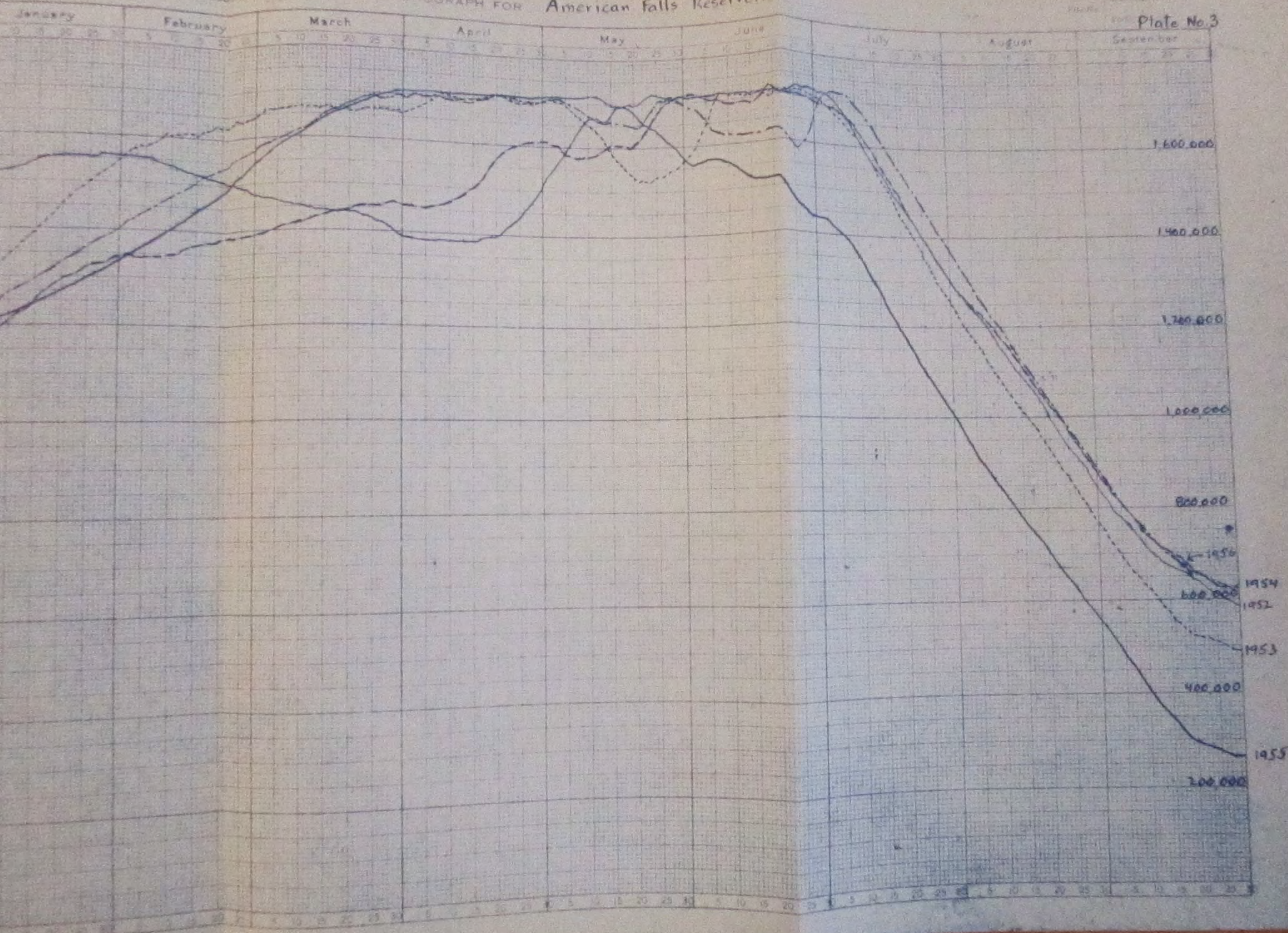




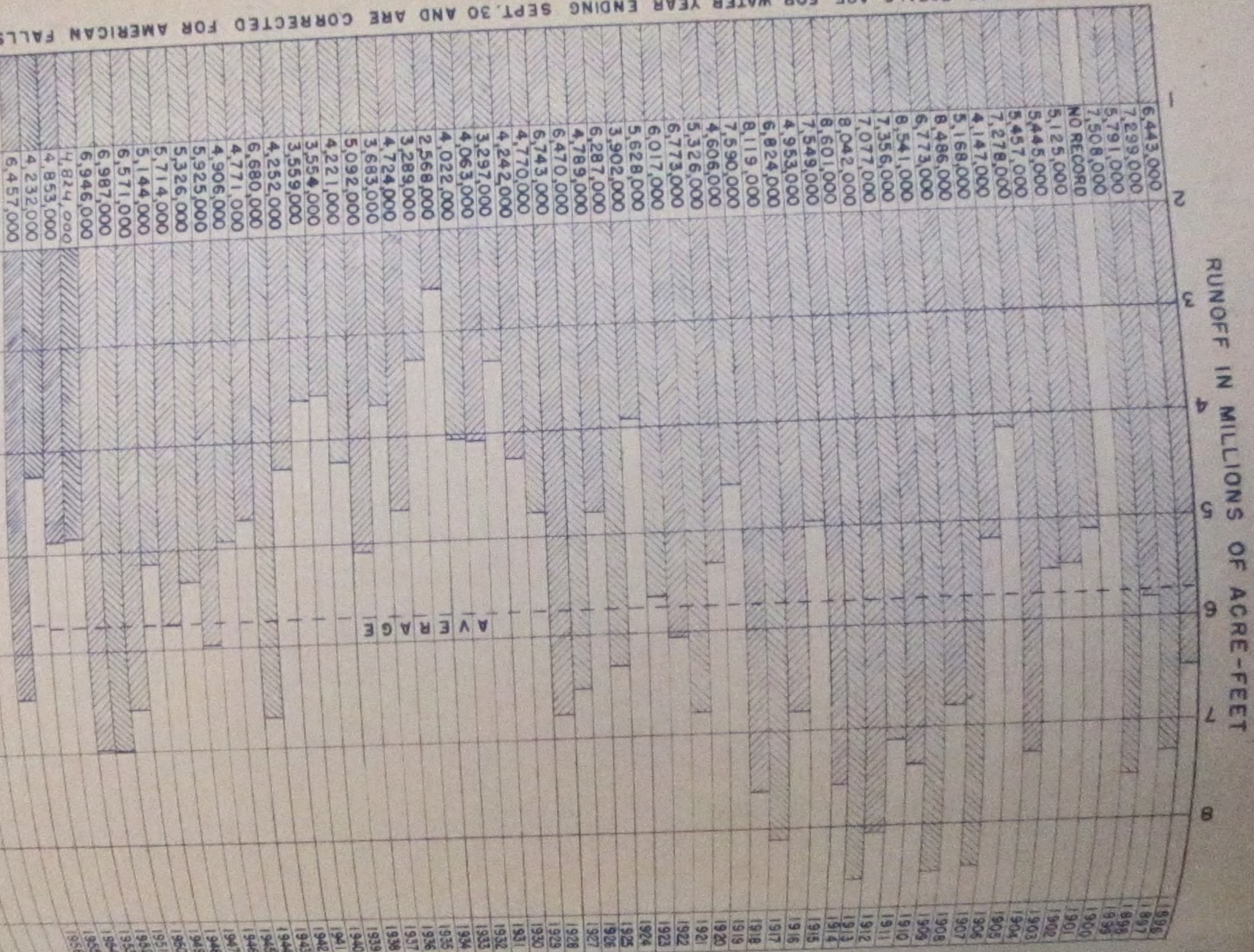
HYDROGRAPH FOR Jackson Lake at Moran, Wyo.







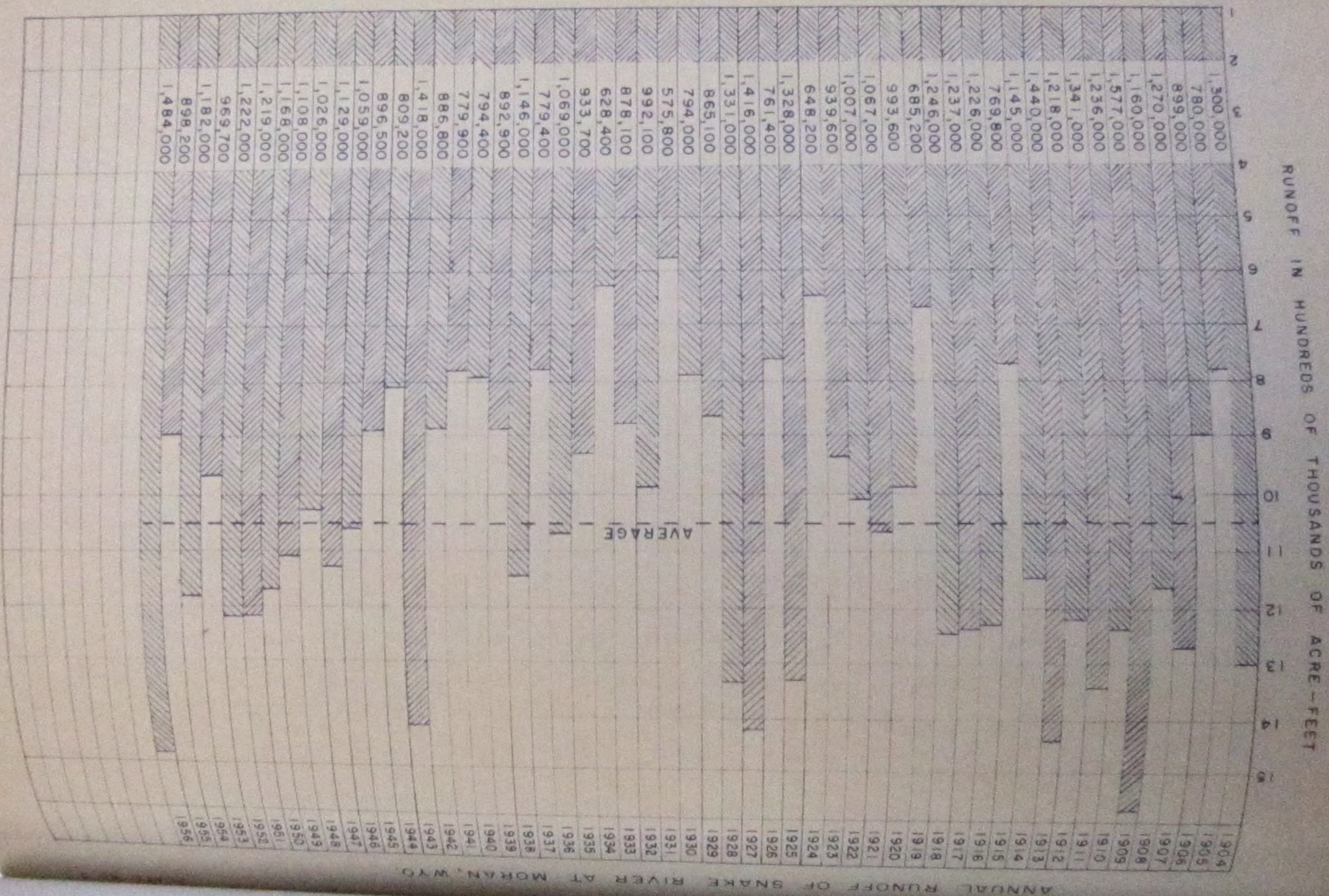
ANNUAL RUNOFF OF SNAKE RIVER AT NEELEY, IDAHO



AVERAGE

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.

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



DAILY DISCHARGE IN SECOND- FEET OF SNAKE RIVER CANAL		MAY 1958	
NAME OF CANAL			
ANDERSON	55	55	55
EAGLE ROCK	55	55	55
FARMERS FRIEND	80	80	80
ENTERPRISE	27	18	18
NELSON	0	0	0
MATSON & CRAIG	0	0	0
ARNBERGER	0	0	0
BUTLER ISLAND	0	0	0
ROSS & RAND	0	0	0
STEELE	0	0	0
HARRISON	25	5	5
CHENEY	0	0	0
BOOMER	25	25	25
RUDY	3	3	3
KITE & NORD	0	0	0
BURGESS	295	325	406
CLARK & EDWARDS	22	22	22
LOWDER & JENNINGS	18	18	18
EAST LABELLE	46	46	46
SUNNYDELL	0	33	34
LENROOT	0	74	76
REID	88	43	45
TEXAS FEEDER	163	180	193
NELSON COREY	0	0	0
HILL PETTINGER	40	48	40
RIGBY	40	48	40
ISLAND	0	0	0
DILTS	0	0	0
WEST LABELLE & LONG ISLAND	0	0	0
PARKS & LEWISVILLE	196	180	196
NORTH RIGBY	25	28	28
WHITE	0	0	0
ELIS	0	0	0
BRAMWELL	0	0	0
BUTTE & MARKET LAKE	0	0	0
OSGOOD	0	0	0
BEAR ISLAND & SMITH	0	0	0
KENNEDY	0	0	0
IDAHO	0	0	0
GREAT WESTERN	90	91	91
PORTER	71	71	71
COY & KELLER	0	0	0
WOODVILLE	0	0	0
SNAKE RIVER VALLEY	191	191	333
TOTAL HEISE TO SHELLEY	465	584	1845
RESERVATION	0	0	0
BLACKFOOT	134	140	140
NEW LA/A SIDE	50	70	71
PEOPLES	185	197	233
ABERDEEN	443	571	628
CORBETT	75	95	130
NIELSEN-HANSEN	81	81	81
RIVERSIDE	40	40	40
DANSKIN	40	40	40
TREGO	37	44	44
WEAVERICK	46	127	141
WATSON	18	18	18
PARSONS	18	18	18
TOTAL SHELLEY TO BLACKFOOT	1154	1431	1594

NAME OF CANAL	DAILY DISCHARGE IN SECOND FEET OF SNAKE RIVER CANAL	DATE
ANDERSON	342 334 332 415	7-1
EAGLE ROCK	342 334 332 415	7-2
FARMERS FRIEND	428 430 440 447	7-3
ENTERPRISE	140 145 180 200	7-4
NELSON	0 0 0 0	7-5
MATSON & CRAIG	14 14 14 14	7-6
ANSENBERGER	0 0 0 0	7-7
BUTLER ISLAND	0 0 0 0	7-8
ROSS & RAND	0 0 0 0	7-9
STEEL	14 14 14 14	7-10
HARRISON	463 480 500 520	7-11
CHENEY	0 0 0 0	7-12
BOOMER	146 146 176 163	7-13
RODY	0 0 0 0	7-14
WITE & NORD	836 924 960 924	7-15
URGESS	65 65 63 70	7-16
LARK & EDWARDS	60 60 60 60	7-17
OWDER & JENNINGS	140 140 140 140	7-18
AST LABELLE	112 141 108 139	7-19
ANNYDELL	140 150 154 157	7-20
ENROOT	158 166 158 175	7-21
FEED	400 399 402 404	7-22
TEXAS FEEDER	400 399 402 404	7-23
NELSON COREY	0 0 0 0	7-24
ILL PETTINGER	7 7 7 7	7-25
IGBY	154 180 172 171	7-26
SLAND	178 178 178 178	7-27
ILTS	32 32 35 35	7-28
WEST LABELLE & LONG ISLAND	440 508 521 537	7-29
PARKS & LEWISVILLE	295 329 312 312	7-30
ORTH RIGBY	68 68 68 68	7-31
WHITE	5 5 5 5	8-1
ELLIS	6 6 6 6	8-2
BRAMWELL	10 10 10 10	8-3
BUTTE & MARKET LAKE	368 378 375 388	8-4
OSGOOD	72 70 71 72	8-5
BEAR ISLAND & SMITH	5 5 5 5	8-6
KENNEDY	52 52 52 52	8-7
LOADO	1100 1100 1100 1100	8-8
GREAT WESTERN	439 466 474 481	8-9
PORTER	148 214 215 215	8-10
COY & KELLER	102 104 106 117	8-11
WOODVILLE	102 104 106 117	8-12
SNAKE RIVER VALLEY	515 511 546 441	8-13
TOTAL HEISE TO SHELLEY	804 851 857 875	8-14
RESERVATION	688 626 667 667	8-15
BLACKFOOT	252 252 253 270	8-16
NEW LAVA SIDE	136 140 145 166	8-17
PEOPLES	349 344 420 470	8-18
ABERDEEN	1030 1010 1050 1140	8-19
CORBETT	184 177 173 182	8-20
NIELSEN-HANSEN	10 10 10 10	8-21
RIVERSIDE	140 144 144 144	8-22
DANSKIN	230 225 225 225	8-23
THROO	58 58 70 71	8-24
WEAVERICK	14 14 63 58	8-25
WATSON	85 85 85 85	8-26
PARSONS	30 30 35 40	8-27
TOTAL SHELLEY TO BLACKFOOT	344 315 340 352	8-28

DAILY DISCHARGE IN SECOND FEET OF SNAKE RIVER CANAL										NAME OF CANAL									
10	16	16	16	16	16	16	16	16	16	RILEY	ANDERSON	356	356	356	356	356	356	356	356
10	16	16	16	16	16	16	16	16	16	EAGLE ROCK	FARMERS FRIEND	348	348	348	348	348	348	348	348
10	16	16	16	16	16	16	16	16	16	ENTERPRISE	NELSON & CRAIG	340	340	340	340	340	340	340	340
10	16	16	16	16	16	16	16	16	16	ARNOLD & RAND	STEELE	330	330	330	330	330	330	330	330
10	16	16	16	16	16	16	16	16	16	ROSS & RAND	HARRISON	320	320	320	320	320	320	320	320
10	16	16	16	16	16	16	16	16	16	CHENEY	BOOMER	310	310	310	310	310	310	310	310
10	16	16	16	16	16	16	16	16	16	RUDY & NORD	KITE	300	300	300	300	300	300	300	300
10	16	16	16	16	16	16	16	16	16	BURGESS	CLARK & EDWARDS	290	290	290	290	290	290	290	290
10	16	16	16	16	16	16	16	16	16	LOWDER & JENNINGS	CLARK & EDWARDS	280	280	280	280	280	280	280	280
10	16	16	16	16	16	16	16	16	16	EAST LABELLE	SUNNYDELL	270	270	270	270	270	270	270	270
10	16	16	16	16	16	16	16	16	16	LENRUIT	TEXAS FEEDER	260	260	260	260	260	260	260	260
10	16	16	16	16	16	16	16	16	16	NELSON COREY	HILL PETTINGER	250	250	250	250	250	250	250	250
10	16	16	16	16	16	16	16	16	16	RIGBY	ISLAND	240	240	240	240	240	240	240	240
10	16	16	16	16	16	16	16	16	16	DILTS	WEST LABELLE & LONG ISLAND	230	230	230	230	230	230	230	230
10	16	16	16	16	16	16	16	16	16	PARKS & LEWISVILLE	NORTH RIGBY	220	220	220	220	220	220	220	220
10	16	16	16	16	16	16	16	16	16	ELLIS	BRAMWELL	210	210	210	210	210	210	210	210
10	16	16	16	16	16	16	16	16	16	WHITE	BUTTE & MARKET LAKE	200	200	200	200	200	200	200	200
10	16	16	16	16	16	16	16	16	16	OSGOOD	BEAR ISLAND & SMITH	190	190	190	190	190	190	190	190
10	16	16	16	16	16	16	16	16	16	KENNEDY	IDAHO	180	180	180	180	180	180	180	180
10	16	16	16	16	16	16	16	16	16	GREAT WESTERN	PORTER	170	170	170	170	170	170	170	170
10	16	16	16	16	16	16	16	16	16	COY & KELLER	WOODVILLE	160	160	160	160	160	160	160	160
10	16	16	16	16	16	16	16	16	16	SNARE RIVER VALLEY	TOTAL HEISE TO SHELLEY	150	150	150	150	150	150	150	150
10	16	16	16	16	16	16	16	16	16	RESERVATION	BLACKFOOT	140	140	140	140	140	140	140	140
10	16	16	16	16	16	16	16	16	16	NEW LAVA SIDE	PEOPLES	130	130	130	130	130	130	130	130
10	16	16	16	16	16	16	16	16	16	ABERDEEN	CORBETT	120	120	120	120	120	120	120	120
10	16	16	16	16	16	16	16	16	16	NIELSEN-HANSEN	RIVERSIDE	110	110	110	110	110	110	110	110
10	16	16	16	16	16	16	16	16	16	DANSMAN	TREGO	100	100	100	100	100	100	100	100
10	16	16	16	16	16	16	16	16	16	WEAVER	WATSON	90	90	90	90	90	90	90	90
10	16	16	16	16	16	16	16	16	16	PARSONS	TOTAL SHELLEY TO BLACKFOOT	80	80	80	80	80	80	80	80

STREAM	M A Y																																					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	
BIG JIMMY CREEK	34	34	34	34	34	34	34	34	34	34	34	34	34	34	35	36	36	37	38	38	39	40	40	41	42	42	43	44	44	45	45	46	46	46	45	44	43	
PORTNEUF RIVER INFLOW BELOW POCA TELLO	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295	296	296	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295
BIG SPRING CREEK	435	435	435	435	435	435	435	435	435	435	435	435	436	437	438	439	440	441	442	444	445	446	447	448	449	450	452	453	454	455	456	457	458	458	459	460	461	
CLEAR CREEK	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	128	128	128	128	128	128	128	
FORD CREEK	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
KINNEY CREEK	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	
WIDE CREEK	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	
PYLE SPRINGS	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
MC TUCKER SPRINGS	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	
HULL SPRINGS	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
TANNER SPRINGS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PORTNEUF RIVER AT POCA TELLO	493	463	452	459	441	456	470	470	452	372	372	386	368	319	268	202	178	159	131	140	146	153	146	142	151	162	173	185	228	234	215	179	155	137	129	114		
CRYSTAL DITCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
CRYSTAL WASTE	25	25	25	25	25	25	25	25	25	25	25	25	25	25	26	26	26	27	27	27	28	28	28	29	29	29	30	30	30	31	31	31	31	31	31	32	32	
DANIELSEN SPRINGS	37	37	37	37	37	37	37	37	37	37	37	37	37	38	38	39	39	40	40	41	42	42	43	44	44	45	46	46	47	48	48	48	48	48	48	49	49	
ARTESIAN SPRINGS	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
STERLING WASTE	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	6	6	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	14	14	14	13		
COLBURN WASTE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
ABERDEEN WASTE	70	65	95	90	80	50	35	15	35	30	20	16	15	20	20	15	15	20	25	20	15	15	20	25	30	40	45	55	60	50	75	75	80	80	70	70		
TARTAR WASTE	65	60	75	35	10	10	10	15	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	15	15	15	30	25	30	29	28	30	30	28		
SCHILTZ WASTE	3	4	4	3	4	4	3	3	4	3	5	4	3	4	3	3	3	4	3	4	3	3	3	4	3	3	5	4	3	3	3	4	4	4	4	4		
CEDAR WASTE	55	31	42	0	7	19	27	27	18	5	26	22	27	20	8	0	0	2	4	22	20	11	7	19	20	21	33	46	59	57	59	39	40	44	40			
ROSS FORK	61	61	61	61	61	61	61	61	61	61	61	61	61	60	60	59	58	58	57	56	56	55	54	54	53	52	52	51	50	50	49	48	48	49	49			
TRIPLE CREEK	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	6	6	6		
BANNOCK CREEK	25	25	25	25	25	25	25	25	25	25	25	25	24	24	23	22	22	21	20	20	19	18	18	17	16	16	15	15	14	14	13	13	13	12	12			
RUEGAR SPRINGS	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25		
TOTAL MEASURED	1906	1843	1888	1807	1762	1759	1765	1750	1739	1640	1653	1658	1643	1594	1533	1456	1432	1436	1405	1430	1432	1430	1431	1446	1461	1489	1524	1560	1636	1629	1642	1587	1570	1558	1538			
UNMEASURED INFLOW	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290			
TOTAL INFLOW BLACKFOOT TO NEELEY	3196	3133	3178	3097	3052	3049	3055	3040	3029	2930	2943	2948	2933	2884	2823	2716	2722	2726	2695	2720	2722	2720	2721	2736	2751	2779	2814	2850	2926	2919	2932	2877	2860	2848	2828			
TOTAL FOR MONTH	89,769																																					

INFLOW TO AMERICAN FALLS RES

BETWEEN BLACKFOOT AND NEELEY STATIONS

24 HOUR SECOND- FEET

[illegible]

82,122

81,117

RESERVOIR 1956

AUGUST																																																	
21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31								
27	27	27	27	27	27	27	28	28	28	29	29	29	29	29	29	29	28	28	28	28	28	28	27	27	27	27	27	27	28	28	28	29	29	29	30	30	30	31	31	31	31	31	31	31					
282	280	279	278	280	283	285	288	290	293	295	298	300	298	297	295	293	292	290	289	287	286	284	283	281	280	281	283	285	287	289	291	293	295	297	299	301	303	305	307	309	311	312	312	311					
462	463	465	466	466	467	467	468	468	469	469	470	470	470	470	470	470	471	471	471	471	471	471	472	472	472	472	472	473	474	474	475	476	476	477	478	478	479	479	480	481	482	482	483	483	483				
126	126	126	126	126	127	127	128	128	129	129	130	130	130	130	129	129	128	128	127	127	126	126	126	125	125	125	126	126	127	128	128	129	130	130	131	132	132	133	134	135	135	135	136	136	137	137	138		
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7				
27	27	27	27	28	29	30	30	31	32	33	34	34	34	34	34	34	33	33	33	33	33	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	31	31				
63	63	63	63	63	62	62	61	60	60	59	58	58	58	58	58	58	57	57	57	57	57	56	56	56	56	56	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	70	70	69	68	67	66		
8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
26	26	26	26	26	27	27	28	28	29	29	30	30	30	30	29	29	28	28	28	27	27	26	26	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25		
8	8	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
20	22	24	22	24	24	24	31	38	42	41	44	38	42	42	41	41	44	46	47	49	49	43	43	44	50	51	54	52	54	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60			
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
36	36	36	36	36	37	38	39	40	40	41	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	41	40	40	40	39	39	39	38	38	38	38	38	38	38				
56	56	56	56	56	56	57	57	57	58	58	58	58	58	58	57	57	57	57	56	56	56	56	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55			
3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3				
1	1	1	1	2	3	5	6	7	8	9	10	10	10	10	9	9	8	8	8	7	7	6	6	5	5	5	5	6	6	7	7	8	8	8	9	9	10	10	10	11	11	11	12	12	13	13	14		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
29	28	27	28	28	28	27	28	36	36	34	32	34	45	45	50	45	42	40	35	30	45	50	35	27	29	40	40	40	40	30	25	30	30	30	35	35	45	40	35	35	37	38	40	40	45	40	30	25	25
20	20	22	21	20	20	20	21	22	22	23	23	24	24	25	25	22	20	19	19	18	18	14	12	10	10	14	14	16	12	13	14	16	17	19	19	21	20	20	22	22	24	22	1	22	21	22	20	20	
3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	1	1	1	2	2	2	2	3	2	2	2	2	2	2	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	3			
0	0	0	1	1	1	1	0	0	3	5	8	25	30	30	35	25	10	0	0	7	10	25	10	2	4	4	25	25	10	2	0	13	11	4	4	15	14	15	12	4	2	2	2	2	10	13	19	13	
69	66	66	66	68	67	68	68	69	69	70	70	70	70	70	70	71	71	71	71	71	72	72	72	72	72	72	72	72	71	70	70	69	68	68	67	66	66	65	64	64	63	63	63	63	63	63	64		
3	3	3	3	3	3	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	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	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			
25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25			
1301	1302	1305	1304	1309	1318	1326	1342	1362	1379	1385	1397	1413	1432	1432	1432	1413	1390	1378	1370	1369	1368	1391	1356	1334	1343	1360	1389	1394	1369	1368	1377	1391	1390	1407	1427	1425	1433	1431	1422	1429	1431	1435	1433	1440	1437	1432	143		
1303	1290	1290	1290	1290	1290	1290	1290	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	1310	1310	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320			
2590	2597	2595	2594	2599	2608	2616	2632	2662	2679	2685	2697	2713	2732	2732	2732	2713	2690	2678	2670	2669	2686	2691	2656	2634	2643	2660	2689	2694	2669	2668	2677	2691	2680	2710	2717	2747	2745	2753	2759	2748	2749	2751	2762	2763	2760	2757	2752	27	

82,995

DAILY SEGREGATION 0

DATE	JACKSON LAKE CONTENTS ACRE-Feet	SNAKE RIVER AT MORAN			MORAN TO HEISE		DATE	HEISE & RILEY			STORAGE INFLOW HENRYS FORK	STORAGE LOSS HEISE TO SHELLEY	DIVERSIONS HEISE TO SHELLEY			DATE	SNAKE RIVER NEAR SHELLEY		
		STORED	NORMAL	TOTAL	STORED LOSS	STORED DIVERSION		STORED	NORMAL	TOTAL			STORED	NORMAL	TOTAL		STORED	NORMAL	TOTAL
JULY 7	849,280						JULY 7									JULY 7	0		9010
8	849,790					3	8	-3	14120	14117	-21		1128	8282	9410	8	-1128	9288	8140
9	849,280					3	9	-3	14027	14024	-54		1087	8273	9360	9	-1111	8371	7260
10	848,510					3	10	-3	14336	14333	-142		1335	8298	9631	10	-1392	7702	8310
11	847,230	548	3012	3560		3	11	-3	14231	14228	43		1553	8358	9911	11	-1698	7908	6210
12	846,210	1030	2720	3750	14	3	12	531	13297	13828	405		1694	8348	10042	12	-1654	7854	5310
13	844,170	1160	2580	3740	26	3	13	1001	13028	14029	-53	26	1658	8345	10003	13	-748	7218	5470
14	841,880	1280	2460	3740	29	3	14	1128	12700	13828	-110	49	1571	7824	9395	14	-672	7342	5670
15	839,340	1580	2380	3960	32	3	15	1245	12184	13429	-317	55	1482	7564	9046	15	-519	7149	5830
16	836,030	2170	2370	4540	40	3	16	1537	11492	13029	-288	61	1342	7486	8828	16	-475	6235	5780
17	831,700	2190	2360	4550	54	3	17	2113	11112	13225	-156	75	1435	8250	9685	17	-261	5051	4790
18	826,870	2400	2340	4740	55	3	18	2132	10892	13024	-200	103	1721	8357	10078	18	133	4607	4740
19	821,520	2900	2290	5190	60	3	19	2337	10494	12831	18	104	2033	8127	10160	19	-205	4675	4470
20	815,210	3570	2240	5810	72	3	20	2825	10007	12832	348	114	2137	8150	10287	20	104	4418	4520
21	808,390	3650	2120	5770	89	3	21	3478	9753	13231	547	138	2156	8143	10299	21	879	4151	5030
22	801,570	3460	2110	5570	91	3	22	3556	9744	13300	536	170	2070	8170	10240	22	1785	4165	5950
23	794,760	3180	2100	5280	87	3	23	3370	9761	13131	536	174	1686	8093	9779	23	2232	3918	6150
24	788,490	3230	2040	5270	80	3	24	3097	9636	12733	337	165	1693	8106	9999	24	1649	3981	5630
25	782,470	3220	2020	5240	81	3	25	3146	9389	12535	265	151	1825	8037	9862	25	1386	4054	5440
26	776,200	3190	2010	5200	80	5	26	3135	9197	12332	265	154	1986	7873	9859	26	1271	4079	5390
27	769,940	3350	1840	5190	80	5	27	3105	9027	12132	251	153	1809	7867	9676	27	1424	3725	5150
28	763,220	3540	1820	5360	84	5	28	3261	8770	12031	128	152	1707	7767	9474	28	1374	3446	4820
29	756,240	3630	1810	5440	84	5	29	3447	8684	12131	146	159	1668	7866	9534	29	1580	3840	5220
30	750,270	3360	1800	5160	88	5	30	3447	8684	12131	282	168	1326	7862	9188	30	2235	3275	5510
31	743,320	3330	1700	5030	91	5	31	3534	8597	12131	248	173	1334	7887	9221	31	2275	3295	5670
AUG. 1	736,400	3350	1550	4900	84	5	AUG. 1	3271	8656	11927	324	160	1356	7856	9212	AUG. 1	2079	3391	5470
2	729,720	3160	1520	4680	83	4	2	3242	8485	11727	333	159	1241	7869	9110	2	2175	3685	5860
3	724,030	3110	1450	4560	84	4	3	3262	8264	11526	252	159	781	7701	8482	3	2574	3256	5830
4	717,680	2950	1420	4370	79	4	4	3077	8043	11120	213	150	625	7720	8345	4	2518	3085	5670
5	711,740	2960	1400	4360	78	4	5	3028	7792	10820	216	148	615	7564	8179	5	2461	2769	5280
6	706,090	2930	1390	4320	74	4	6	2872	7448	10320	140	140	670	7297	7967	6	2202	2556	4780
7	701,420	2990	1380	4370	74	4	7	2882	7137	10019	95	141	641	7368	8009	7	2195	2125	4420
8	693,830	3230	1350	4580	73	4	8	2853	6970	9823	104	139	671	7261	7932	8	2147	2093	4240
9	687,250	3380	1350	4730	75	4	9	2911	6769	9680	107	142	913	6800	7713	9	1983	2217	4180
10	680,670	3340	1340	4680	81	4	10	3145	6576	9721	16	153	883	6842	7725	10	2123	2219	4340
11	673,350	3350	1320	4670	85	4	11	3291	6500	9791	-395	161	870	6860	7730	11	2123	2219	4340
12	666,320	3360	1300	4660	64	4	12	3252	6428	9680	-397	159	788	6844	7632	12	1906	2042	4550
13	660,510	3340	1300	4640	84	4	13	3262	6358	9620	-683	159	773	6842	7615	13	1647	3033	4680
14	653,730	3300	1300	4600	84	4	14	3272	6247	9519	-584	160	889	6830	7719	14	1639	2801	4440
15	647,440	3250	1300	4550	84	4	15	3252	6176	9428	-593	159	1162	6812	7724	15	1338	3102	4680
					83	4	16	3213	6174	9387	-578	157	1206	6577	7783	16	1272	3158	4470
					81	4		3165	6131	9296	-629	155	1165	6587	7732	17	1216	3684	4880

ION OF DATA AT AND BETWEEN SNAKE RIVER

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-FOET	SNAKE RIVER AT NEELEY			STORAGE DIVERSION NEELEY WALCO
NORMAL	TOTAL	STORED	NORMAL	TOTAL					STORED	NORMAL	TOTAL					STORED	NORMAL	TOTAL	
							JUNE 28				8700	2670							
							29		0		8700	2646		JUNE 29	1,695,000	1267	10743	12000	
							30		0		9000	2631		30	1,692,000	1719	10781	12500	
							JULY 1		0		9420	2646		JULY 1	1,692,000	1874	10926	12800	
							2		0		9690	2645		2	1,689,000	1905	11095	13000	
							3		0		9630	2637		3	1,685,000	2278	11122	13400	
							4		0		9360	2646		4	1,684,000	2007	11093	13100	
							5		0		9280	2641		5	1,682,000	1617	11083	12700	
							6		0		7620	2617		6	1,675,000	1507	11093	12600	
							7		0		5430	2624		7	1,671,000	1873	10227	12100	
9268	9010	426	3748	4174	-26	-400	8	2	-400	4980	4580	2603		8	1,664,000	3146	8054	11200	
8371	7260	375	3672	4047	-89	-1436	9	5	-1436	5256	3820	2609		9	1,655,000	3617	7583	11200	
7702	6310	337	3581	3918	-104	-1397	10	22	-1397	4237	2840	2610		10	1,644,000	3935	7865	11800	
7908	6210	367	3681	4048	-124	-1625	11	15	-1625	3865	2240	2607		11	1,630,000	5153	6847	12000	
7964	6310	446	3817	4263	-126	-1941	12	14	-1941	4181	2240	2604		12	1,617,000	5528	6472	12000	
7218	6470	443	3769	4212	-71	-1974	13	14	-1974	4024	2050	2599		13	1,600,000	5515	6785	12300	
7342	6670	431	3781	4212	-66	-1120	14	25	-1120	3490	2370	2606		14	1,585,000	5977	6623	12600	
7149	6630	403	3769	4172	-55	-1037	15	29	-1037	3507	2470	2605		15	1,567,000	6604	6096	12700	
6235	5760	361	3757	4138	-51	-867	16	26	-867	3327	2460	2598		16	1,552,000	6188	6112	12300	
5051	4790	408	3637	4046	-40	-805	17	4	-805	2155	1350	2593		17	1,537,000	6175	5925	12100	
4607	4740	478	3619	4097	-21	-630	18	3	-630	1506	876	2593		18	1,521,000	7352	4748	12100	
4675	4470	443	3483	3926	-39	-324	19	11	-324	1120	796	2592		19	1,503,000	8001	4099	12100	
4416	4520	424	3571	3995	-19	-609	20	13	-609	1248	639	2590		20	1,486,000	8488	3712	12200	
4151	5030	466	3651	4117	25	-301	21	11	-301	989	688	2590		21	1,467,000	8362	3838	12200	
4165	5950	413	3773	4186	82	388	22	27	388	952	1340	2592		22	1,450,000	8521	3579	12100	
3918	6150	432	3706	4138	108	1290	23	51	1290	750	2040	2595		23	1,434,000	8856	3544	12400	
3981	5630	388	3734	4122	76	1692	24	15	1528	215	1740	2594		24	1,416,000	9055	3345	12400	
4054	5440	376	3733	4109	61	1185	25	22	1268	222	1490	2599		25	1,400,000	9491	2809	12300	
4079	5350	364	3714	4078	54	949	26	18	1052	218	1270	2608		26	1,383,000	9579	2821	12400	
3726	5150	362	3715	4077	64	853	27	8	1082	208	1290	2616		27	1,366,000	9574	2826	12400	
3446	4820	364	3656	4020	61	898	28	1	879	201	1080	2632		28	1,350,000	9376	2824	12200	
3640	5220	346	3638	3984	74	949	29	9	921	209	1130	2662		29	1,335,000	9067	2833	11900	
3275	5510	372	3496	3868	112	1160	30	25	1415	225	1640	2679		30	1,319,000	8629	2871	11500	
3295	5570	313	3514	3827	118	1751	31	11	1649	211	1860	2685		31	1,304,000	8396	2904	11300	
3391	5470	195	3631	3826	103	1844	AUG. 1	29	1591	229	1820	2697		AUG. 1	1,290,000	8204	2896	11100	
3685	5860	170	3672	3842	120	1781	2	50	1790	250	2040	2713		2	1,274,000	8374	2926	11300	
3256	5830	130	3533	3663	147	1885	3	60	2200	260	2460	2732		3	1,262,000	8537	2963	11500	
3095	5670	125	3385	3510	143	2297	4	84	2246	284	2530	2732		4	1,250,000	8408	2992	11400	
2769	5250	135	3329	3464	141	2247	5	118	2082	318	2400	2732		5	1,237,000	8084	3016	11100	
2558	4760	122	3015	3137	125	2205	6	124	2016	324	2340	2713		6	1,224,000	7950	3050	11000	
2225	4420	113	2984	3097	125	1859	7	71	1859	271	1830	2690		7	1,211,000	7763	3037	10800	
2093	4240	45	3181	3226	126	1273	8	67	1273	267	1540	2678		8	1,199,000	7539	2981	10500	
2217	4180	97	3131	3228	112	1085	9	35	1085	235	1320	2670		9	1,187,000	7555	2945	10500	
2215	4340	93	3140	3233	122	1976	10	32	1188	232	1420	2669		10	1,174,000	7895	2905	10800	
2605	4670	95	3152	3247	106	1754	11	37	1303	237	1540	2686		11	1,160,000	7999	2901	10900	
2642	4550	100	3119	3219	118	1910	12	45	1425	245	1670	2691		12	1,146,000	7877	2923	10800	
3033	4680	97	3251	3348	93	1664	13	59	1511	259	1770	2656		13	1,133,000	8164	2936	11100	
2801	4440	50	3258	3308	95	1690	14	51	1329	251	1580	2634		14	1,119,000	8585	2915	11500	
3102	4440	47	3334	3381	77	1457	15	34	1206	234	1440	2643		15	1,103,000	8915	2685	11800	
3198	4470	50	3341	3391	73	1494	16	23	1047	223	1270	2660		16	1,087,000	8923	2877	11800	
3664	4880	40	3350	3390	70	1214	17	30	1100	230	1330	2689		17	1,072,000	8917	2883	11800	
						1149	18	29	1451	229	1680	2694		18	1,057,000	8581	2919	11300	
						1106								19	1,043,000	8427	2923	11400	

AGING STATIONS 1956

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			
	ACRE-Feet	NORTH	SOUTH	TOTAL	STORED	NORMAL	STORED	NORMAL				TOTAL	STORED	NORMAL	TOTAL	P.A.	GOODING	MAIN	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL
93,320	1770	1280	3050	324	2726	1063	8017	9080	JUNE 30	10.80		933	827	1560	65	890	2700	3655	0	3655	30	3600	3400	72
92,860	1770	1290	3060	334	2726	1055	8055	9110	JULY 1	10.92		1025	565	1590	65	910	2780	3755	0	3755	15	3600	3400	72
93,900	1770	1290	3060	334	2726	940	8200	9140	2	10.82		896	704	1600	71	910	2780	3761	0	3761	50	3600	3700	72
93,790	1770	1280	3050	324	2726	951	8369	9320	3	10.93		760	850	1610	74	930	2780	3784	0	3784	70	3600	3700	72
94,370	1770	1280	3050	324	2726	1304	8396	9700	4	11.10		770	850	1620	71	940	2800	3811	0	3811	120	3600	3700	72
95,570	1780	1290	3070	344	2726	1303	8367	9670	5	11.15		760	850	1610	72	930	2780	3782	0	3782	75	3600	3700	72
96,390	1780	1280	3060	334	2726	963	8357	9320	6	11.10		750	850	1600	72	930	2770	3772	0	3772	90	3600	3600	72
96,270	1770	1290	3060	334	2726	833	8367	9200	7	11.15	4	783	827	1610	75	950	2800	3825	0	3825	5	3580	3480	68
96,990	1770	1290	3060	334	2726	1579	7501	9080	8	11.19	4	1599	11	1610	75	960	2800	3835	0	3835	0	3520	3480	70
97,110	1770	1290	3060	1006	2054	2610	6000	8610	9	10.97	4	1600	0	1600	74	950	2770	3794	794	3000	50	3500	3500	79
96,530	1770	1280	3050	1324	1726	2693	5857	8550	10	10.84	4	1590	0	1590	74	950	2750	3784	927	2857	180	3500	3500	214
96,180	1760	1280	3040	1175	1865	2990	6000	8990	11	10.86	4	1600	0	1600	72	960	2780	3812	612	3000	170	3500	3500	214
94,490	1770	1270	3040	1314	1726	3989	5121	9110	12	10.99	4	1620	0	1620	72	970	2780	3822	1701	2121	550	3500	3500	224
94,500	1770	1270	3040	1314	1726	4274	4746	9020	13	10.94	4	1600	0	1600	72	970	2770	3812	2066	1746	550	3500	3500	234
93,790	1760	1270	3030	1304	1726	3991	5059	9050	14	10.86	4	1610	0	1610	72	960	2780	3812	1753	2059	580	3500	3480	234
94,490	1750	1270	3020	1294	1726	4493	4897	9390	15	10.99	4	1620	0	1620	73	990	2780	3843	1946	1897	570	3500	3470	234
94,490	1710	1270	2980	1254	1726	5050	4370	9420	16	11.07	4	1620	0	1620	75	1000	2780	3855	2485	1370	570	3500	3470	234
95,670	1710	1260	2970	1244	1726	4784	4386	9170	17	11.07	4	1610	0	1610	75	1000	2780	3855	2459	1386	570	3500	3470	234
96,390	1700	1170	2870	1144	1726	4851	4199	9050	18	11.18	4	1620	0	1620	75	1000	2790	3866	2666	1199	580	3500	3460	234
96,630	1700	1340	3040	1692	1348	5710	3400	9110	19	11.14	4	1610	0	1610	75	990	2780	3845	3445	400	570	3500	3470	234
96,870	1690	1320	3010	2311	699	5590	3400	8990	20	10.95	4	1600	0	1600	75	970	2780	3825	3425	400	580	3500	3490	234
96,990	1680	1320	3000	2688	312	5590	3400	8990	21	10.87	4	1610	0	1610	75	970	2780	3825	3425	400	580	3500	3490	234
96,630	1680	1320	3000	2562	438	5800	3400	9200	22	10.87	4	1610	0	1610	75	980	2800	3855	3455	400	580	3500	3490	234
96,390	1680	1320	3000	2821	179	5830	3400	9230	23	10.88	4	1610	0	1610	75	970	2820	3865	3465	400	580	3500	3490	234
96,270	1670	1320	2990	2846	144	5990	3400	9390	24	10.97	4	1620	0	1620	75	990	2840	3905	3505	400	580	3500	3490	234
95,910	1670	1330	3000	3000	0	6165	3345	9510	25	11.08	4	1610	0	1610	75	980	2860	3915	3521	394	580	3500	3490	234
95,430	1660	1330	2990	2990	0	6701	2809	9510	26	11.16	4	1610	0	1610	75	970	2860	3905	3575	330	580	3500	3490	234
95,430	1630	1320	2950	2950	0	6469	2821	9290	27	11.18	4	1610	0	1610	75	960	2840	3875	3543	332	580	3500	3490	234
95,180	1590	1310	2900	2900	0	6464	2826	9290	28	11.24	4	1610	0	1610	75	980	2840	3895	3562	333	580	3500	3490	234
95,550	1520	1310	2830	2830	0	6346	2824	9170	29	11.21	4	1600	0	1600	75	980	2840	3895	3563	332	580	3500	3490	234
93,790	1500	1280	2780	2780	0	6127	2833	8960	30	11.24	4	1610	0	1610	75	980	2840	3895	3562	333	580	3500	3490	234
95,670	1410	1200	2610	2610	0	6029	2871	8900	31	11.22	4	1600	0	1600	75	970	2770	3815	3477	338	580	3500	3490	234
95,430	1300	1210	2510	2510	0	5386	2904	8290	AUG. 1	11.00	4	1580	0	1580	75	950	2760	3785	3444	341	580	3500	3490	234
95,790	1260	1210	2470	2470	0	5564	2896	8460	2	10.88	4	1590	0	1590	75	970	2740	3785	3444	341	580	3500	3490	234
94,020	1250	1170	2420	2420	0	6064	2926	8990	3	11.05	4	1600	0	1600	75	990	2740	3805	3461	344	580	3500	3490	234
94,720	1280	1110	2390	2390	0	5817	2963	8780	4	11.16	4	1530	0	1550	75	960	2740	3775	3428	349	580	3500	3490	234
94,950	1300	1090	2390	2390	0	5528	2992	8520	5	11.13	4	1540	0	1540	75	950	2660	3685	3333	352	580	3500	3490	234
96,150	1270	1060	2330	2330	0	5304	3016	8320	6	11.10	4	1510	0	1510	75	950	2620	3645	3290	355	580	3500	3490	234
96,870	1260	1040	2300	2300	0	5190	3050	8240	7	11.00	4	1480	0	1480	75	920	2610	3605	3246	359	580	3500	3490	234
97,470	1260	1060	2320	2320	0	5203	3037	8240	8	10.92	4	1480	0	1480	75	920	2600	3596	3237	358	580	3500	3490	234
97,720	1310	1080	2390	2390	0	5189	2961	8150	9	10.78	4	1480	0	1480	75	920	2550	3545	3196	349	580	3500	3490	234
96,150	1400	1090	2490	2490	0	5465	2945	8410	10	10.80	4	1490	0	1490	75	920	2550	3545	3198	347	580	3500	3490	234
94,840	1480	1090	2570	2570	0	5735	2905	8640	11	10.92	4	1460	0	1460	75	920	2550	3545	3203	342	580	3500	3490	234
93,780	1510	1120	2630	2630	0	5769	2901	8670	12	11.03	4	1450	0	1450	75	920	2550	3545	3204	341	580	3500	3490	234
93,090	1470	1120	2590	2590	0	5657	2923	8580	13	11.10	4	1440	0	1440	75	900	2570	3545	3201	344	580	3500	3490	234
92,160	1480	1160	2640	2640	0	5554	2936	8490	14	11.08	4	1430	0	1430	75	870	2640	3585	3240	345	580	3500	3490	234
92,270	1880	1260	2840	2840	0	5545	2915	8460	15	11.03	4	1430	0	1430	75	890	2640	3605	3262	343	580	3500	3490	234
93,200	1600	1270	2870	2870	0	5575	2885	8460	16	11.06	4	1440	0	1440	75	910	2650	3635	3296	339	580	3500	3490	234
93,550	1590	1270	2880	2880	0	5703	2877	8580	17	11.06	4	1440	0	1440	75	920	2650	3645	3306	339	580	3500	3490	234
94,290	1590	1220	2810	2810	0	5817	2883	8700	18	11.14	4	1450	0	1450	75	910	2640	3625	3286	339	580	3500	3490	234
95,070	1560	1180	2720	2720	0	5811	2919	8730	19	11.22	4	1450	0	1450	75	950	2660	3685	3341	344	580	3500	3490	234
95,070	1340	1140	2680	2680	0	5837	2923	8760	20		4													

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PLATE NO. 12

OKA TOTAL	DATE	MILNER LAKE GAGE FEET	MINOR STORAGE DIVERSIONS MINIDOKA TO MILNER	GOODING PROJECT			NORTH SIDE CANAL COMPANY					TWIN FALLS CANAL COMPANY			MILNER LOW LIFT			SNAKE RIVER AT MILNER			
				STORED	NORMAL	TOTAL	P. A.	GOODING	MAIN	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL
9080	JUNE 30	10.80		933	627	1560	65	890	2700	3655											
9110	JULY 1	10.92		1025	565	1590	65	910	2780	3755	0	3655	30	3600	3630	72	135	207	230	0	230
9140	2	10.82		896	704	1600	71	910	2780	3761	0	3755	110	3600	3710	72	135	207	207	0	207
9320	3	10.93		760	850	1610	74	930	2780	3784	0	3761	150	3600	3750	72	135	207	207	0	207
9700	4	11.10		770	850	1620	71	940	2800	3811	0	3784	130	3600	3730	72	135	207	226	0	226
9670	5	11.15		760	850	1610	72	930	2780	3782	0	3811	120	3600	3720	72	135	207	418	0	418
9320	6	11.10		750	850	1600	72	930	2770	3772	0	3782	70	3600	3670	72	135	207	340	0	340
9200	7	11.15	4	783	827	1610	75	950	2800	3825	0	3772	60	3600	3660	68	135	203	216	0	216
9080	8	11.19	4	1599	11	1610	75	960	2800	3835	0	3825	0	3580	3580	70	135	205	240	0	240
9610	9	10.97	4	1600	0	1600	74	950	2770	3794	0	3835	0	3520	3520	79	135	214	246	0	246
9550	10	10.84	4	1590	0	1590	74	950	2760	3784	794	3000	510	3000	3510	214	0	214	205	0	205
9990	11	10.86	4	1600	0	1600	72	960	2780	3812	927	2857	560	3000	3560	214	0	214	207	0	207
9110	12	10.99	4	1620	0	1620	72	970	2780	3822	812	3000	610	3000	3610	224	0	224	202	0	202
9020	13	10.94	4	1600	0	1600	72	970	2770	3812	1701	2121	650	3000	3650	234	0	234	207	0	207
9050	14	10.86	4	1610	0	1610	72	960	2780	3812	2066	1746	650	3000	3650	234	0	234	202	0	202
9390	15	10.99	4	1620	0	1620	73	990	2780	3843	1753	2059	680	3000	3680	234	0	234	202	0	202
9420	16	11.07	4	1620	0	1620	75	1000	2780	3855	1946	1897	670	3000	3670	234	0	234	212	0	212
9170	17	11.07	4	1610	0	1610	75	1000	2780	3855	2485	1370	670	3000	3670	234	0	234	216	0	216
9050	18	11.18	4	1620	0	1620	75	1000	2790	3865	2469	1386	670	3000	3670	234	0	234	218	0	218
9110	19	11.14	4	1610	0	1610	75	990	2780	3845	2666	1199	680	3000	3680	234	0	234	238	0	238
9990	20	10.95	4	1600	0	1600	75	970	2780	3825	3445	400	670	3000	3670	234	0	234	226	0	226
9990	21	10.87	4	1610	0	1610	75	970	2780	3825	3425	400	690	3000	3690	234	0	234	205	0	205
9000	22	10.87	4	1610	0	1610	75	980	2800	3855	3425	400	690	3000	3690	234	0	234	202	0	202
930	23	10.88	4	1610	0	1610	75	970	2820	3865	3455	400	690	3000	3690	234	0	234	200	0	200
90	24	10.97	4	1620	0	1620	75	990	2840	3905	3465	400	690	3000	3690	234	0	234	196	0	196
910	25	11.08	4	1610	0	1610	75	980	2860	3915	3505	400	690	3000	3690	234	0	234	202	0	202
90	26	11.15	4	1610	0	1610	75	970	2860	3905	3521	394	749	2951	3700	234	0	234	216	0	216
90	27	11.18	4	1610	0	1610	75	960	2840	3875	3575	330	1211	2479	3690	234	0	234	230	0	230
90	28	11.24	4	1610	0	1610	75	980	2840	3895	3543	332	1181	2489	3670	234	0	234	236	0	236
70	29	11.21	4	1600	0	1600	75	980	2840	3895	3562	333	1167	2493	3660	234	0	234	274	0	274
90	30	11.24	4	1610	0	1610	75	980	2840	3895	3563	332	1138	2492	3630	234	0	234	495	0	495
90	31	11.22	4	1610	0	1600	75	970	2770	3815	3477	338	1070	2500	3570	234	0	234	271	0	271
90	AUG 1	11.00	4	1580	0	1580	75	950	2760	3785	3444	341	957	2563	3520	228	0	228	243	0	243
90	2	10.88	4	1590	0	1590	75	970	2740	3785	3444	341	945	2558	3500	228	0	228	198	0	198
90	3	11.05	4	1600	0	1600	75	990	2740	3805	3461	344	888	2582	3470	228	0	228	190	0	190
90	4	11.16	4	1550	0	1550	75	960	2740	3775	3426	349	826	2614	3440	228	0	228	209	0	209
90	5	11.13	4	1540	0	1540	75	950	2660	3685	3333	352	826	2614	3440	228	0	228	216	0	216
90	6	11.10	4	1510	0	1510	75	950	2620	3645	3290	355	750	2640	3390	228	0	228	216	0	216
90	7	11.00	4	1480	0	1480	75	920	2610	3605	3246	359	699	2661	3360	225	0	225	207	0	207
90	8	10.92	4	1480	0	1480	75	920	2600	3596	3237	358	679	2691	3370	225	0	225	202	0	202
90	9	10.78	4	1480	0	1480	75	920	2550	3545	3196	349	701	2679	3380	225	0	225	198	0	198
90	10	10.80	4	1490	0	1490	75	920	2550	3545	3196	349	808	2612	3420	225	0	225	192	0	192
90	11	10.92	4	1490	0	1490	75	920	2550	3545	3198	347	862	2598	3460	225	0	225	190	0	190
90	12	11.03	4	1460	0	1460	75	920	2550	3545	3203	342	862	2598	3460	225	0	225	256	0	256
90	13	11.10	4	1450	0	1450	75	920	2550	3545	3204	341	917	2563	3480	225	0	225	286	0	286
90	14	11.08	4	1440	0	1440	75	900	2570	3545	3201	344	920	2560	3480	225	0	225	285	0	285
90	15	11.06	4	1430	0	1430	75	870	2640	3585	3240	345	901	2579	3480	225	0	225	282	0	282
90	16	11.06	4	1430	0	1430	75	890	2640	3605	3262	343	879	2591	3470	225	0	225	282	0	282
90	17	11.03	4	1440	0	1440	75	910	2650	3635	3296	339	888	2572	3460	225	0	225	288	0	288
90	18	11.06	4	1440	0	1440	75	920	2650	3645	3306	339	914	2546	3460	225	0	225	285	0	285
90	19	11.06	4	1440	0	1440	75	920	2650	3645	3306	339	914	2546	3460	225	0	225	285	0	285
90	20	11.14	4	1450	0	1450	75	910	2640	3625	3286	339	952	2538	3490	216	0	216	296	0	

DAILY SEGREGATION

DATE	JACKSON LAKE CONTENTS ACRE- FEET	SNAKE RIVER AT MORAN			MORAN TO HEISE		DATE	HEISE & RILEY			STORAGE INFLOW HENRYS FORK	STORAGE LOSS HEISE TO SHELLEY	DIVERSIONS HEISE TO SHELLEY			DATE	SNAKE RIVER NEAR SHELLEY	
		STORED	NORMAL	TOTAL	STORED LOSS	STORED DIVERSION		STORED	NORMAL	TOTAL			STORED	NORMAL	TOTAL		STORED	NORMAL
AUG. 16	640,950	3090	1250	4340														
17	634,700	3090	1230	4320	77	3	AUG. 17	3010	6165	9175	- 630	147	656	6537	7193	AUG. 18	1577	324
18	628,680	3100	1200	4300	77	3	18	3010	6014	9024	- 657	147	649	6317	6966	19	1557	320
19	622,200	3180	1200	4380	78	3	19	3019	5884	8903	- 767	147	603	6197	6800	20	1502	270
20	615,520	3240	1180	4420	80	3	20	3097	5775	8872	- 731	151	930	6420	7350	21	1285	24
21	609,310	3500	1160	4660	81	3	21	3156	5746	8902	- 745	154	1135	6445	7880	22	1122	20
22	601,660	4120	1160	5280	88	3	22	3409	5432	8841	- 737	167	1283	6435	7718	23	1222	231
23	590,980	4610	1160	5770	103	3	23	4014	5129	9143	- 699	196	1350	6583	7913	24	1769	189
24	584,340	4610	1160	5770	115	3	24	4492	5168	9660	- 705	219	1444	6586	8030	25	2124	181
25	575,570	4750	1160	5910	115	3	25	4492	5168	9660	- 734	219	1420	6511	7931	26	2119	200
26	566,380	5020	1200	6220	119	3	26	4628	5054	9682	- 744	226	1392	6419	7811	27	2268	211
27	556,960	4510	1300	5810	126	3	27	4891	5032	9923	- 713	239	1172	6520	7692	28	2767	200
28	548,980	3810	1300	5110	113	3	28	4394	5631	10025	- 688	215	1033	6491	7524	29	2458	26
29	541,720	3580	1300	4880	95	3	29	3712	5589	9301	- 593	182	829	6431	7260	30	2108	27
30	534,470	3420	1200	4620	89	3	30	3488	5572	9060	- 471	170	987	6423	7410	31	1860	25
31	527,230	3500	1200	4700	85		31	3335	5423	8758	- 545	163	952	6326	7278	SEPT. 1	1675	28
SEPT. 1	519,800	3800	1200	5000	88		SEPT. 1	3412	5278	8690	- 587	167	922	6308	7230	2	1736	22
2	512,590	3920	1160	5080	95		2	3705	5111	8816	- 479	181	984	6359	7343	3	2061	20
3	503,780	3930	1150	5080	98		3	3822	4994	8816	- 574	187	1003	6347	7350	4	2058	17
4	495,700	4050	1140	5190	98		4	3832	5014	8846	- 559	187	1129	6336	7465	5	1957	14
5	487,390	4410	1130	5540	101		5	3949	4897	8846	- 558	193	1257	6428	7685	6	1941	11
6	478,430	4660	1080	5740	110		6	4300	4760	9060	- 562	210	1188	6316	7504	7	2340	1
7	469,260	4450	1060	5510	117		7	4543	4789	9332	- 458	222	1242	6377	7619	8	2621	1
8	460,550	4200	1020	5220	111		8	4339	4930	9269	- 305	212	1229	6241	7470	9	2593	1
9	452,600	4170	1000	5170	105		9	4095	4933	9028	- 307	200	1132	6153	7285	10	2456	1
10	444,640	4170	1000	5170	104		10	4066	4889	8955	- 283	199	1205	6123	7328	11	2379	1
11	444,640	3850	1000	4850	96		11	3754	5081	8835	- 279	183	1122	6239	7361	12	2170	1
12	437,360	3650	950	4600	91		12	3559	4956	8515	- 300	174	1038	6206	7244	13	2047	1
13	431,050	3540	950	4490	89		13	3451	5009	8460	- 387	168	950	6061	7011	14	1946	1
14	424,730	3170	950	4120	79		14	3091	4989	8080	- 328	151	818	6105	6923	15	1794	1
15	418,640	2450	900	3350	61		15	2389	5259	7648	- 404	116	805	5927	6732	16	1064	1
16	414,360	1940	900	2840	48		16	1892	5027	6919	- 367	92	488	5734	6222	17	945	1
17	410,120	1740	900	2640	44		17	1696	4923	6619	- 355	83	425	5625	6050	18	833	1
18	407,210	1340	900	2240	33		18	1307	5000	6307	- 313	64	383	5648	6031	19	647	1
19	404,080	1440	850	2290	36		19	1404	4561	5965	- 316	68	441	5614	6055	20	579	1
20	400,730	2230	850	3080	56		20	2174	4142	6316	- 303	106	518	5761	6279	21	1247	1
21	395,580	2800	850	3650	70		21	2730	4260	6990	- 411	133	662	5706	6358	22	1524	1
22	390,680	2740	850	3590	68		22	2672	4379	7051	- 405	130	561	5635	6196	23	1576	1
23	384,040	2470	850	3320	62		23	2408	4502	6910	- 407	117	486	5488	5984	24	1388	1
24	379,170	2350	850	3200	59		24	2291	4389	6680	- 555	112	495	5268	5763	25	1129	1
25	374,520	1810	800	2610	45		25	1765	4774	6539	- 388	86	438	5122	5560	26	853	1
26	371,190	1140	800	1940	29		26	1111	4561	5672	- 387	54	427	4784	5211	27	243	1
27	367,900	980	800	1780	24		27	956	4525	5481	- 351	47	96	4997	5093	28	482	1
TOTAL		242,328			6,061	191		236,076			- 20,668	11,529	92,174				111,708	

ON OF DATA AT AND BETWEEN SNAKE RIVER GAG

24 HOUR SECOND-FEET EXCEPT AS NOTED

SNAKE RIVER 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	Lake WALCOTT CONTENT ACRE-Feet	
NORMAL	TOTAL	STORED	NORMAL	TOTAL					STORED	NORMAL	TOTAL					STORED	NORMAL	TOTAL			
3243	4820	23	3332	3355	93	1461															
3203	4760	145	3207	3352	85	1327	AUG. 19	36											3	95,000	
2708	4210	220	3139	3359	77	1205	20	24	1404	236	1640	2669		AUG. 20	1,029,000	8095	2905	11000	3	93,000	
2535	3820	642	2641	3283	39	604	21	8	1286	224	1510	2668		21	1,014,000	7908	2892	10800	3	91,000	
2598	3720	882	2284	3166	14	226	22	4	646	206	852	2677		22	1,000,000	8117	2883	11000	3	89,000	
2338	3580	1150	2044	3194	4	68	23	2	506	204	710	2691		23	984,000	8205	2895	11100	3	87,000	
1891	3680	1285	1966	3251	29	455	24	15	362	202	564	2690		24	969,000	8208	2892	11100	3	85,000	
816	3940	1277	2021	3298	51	796	25	19	254	215	469	2710		25	953,000	8175	2925	11100	3	83,000	
2021	4140	1255	2030	3285	52	812	26	32	333	219	552	2717		26	935,000	8164	2936	11100	1	81,000	
2194	4420	997	2284	3281	76	1193	27	31	566	232	788	2747		27	918,000	8021	2979	11000		79,000	
2083	4850	960	2220	3180	108	1699	28	39	869	231	1100	2745		28	905,000	8124	2976	11100		77,000	
2602	5060	711	2549	3260	105	1642	29	46	1211	239	1450	2753	1	29	889,000	8208	2992	11200		75,000	
2772	4880	715	2523	3238	84	1309	30	18	1534	246	1780	2751	1	30	877,000	8103	2997	11100		73,000	
2580	4440	930	2236	3166	56	874	31	11	1582	218	1800	2742	1	31	865,000	8140	2980	11100		71,000	
265	3960	1133	1911	3044	32	510	SEPT. 1	12	1339	211	1550	2749	1	SEPT. 1	851,000	7840	2960	10800		69,000	
224	3980	1133	1939	3072	36	567	2	39	938	212	1150	2751	1	2	832,000	7737	2963	10700		67,000	
2019	4080	1135	1968	3103	56	870	3	37	801	239	1040	2746	1	3	821,000	7615	2985	10600		65,000	
732	3790	1325	1738	3063	44	689	4	14	893	237	1130	2753	1	4	807,000	7610	2990	10600		63,000	
633	3590	1503	1544	3047	27	427	5	12	826	214	1040	2760	1	5	795,000	7426	2974	10400		61,000	
529	3470	1513	1465	2978	26	402	6	9	624	212	836	2757		6	781,000	7131	2969	10100		59,000	
340	3680	1465	1532	2997	52	823	7	12	443	209	652	2752		7	768,000	6829	2961	9790		57,000	
519	4140	1450	1664	3114	70	1101	8	35	420	212	632	2750		8	755,000	6498	2962	9460		55,000	
267	4360	1434	1720	3154	70	1089	9	78	665	235	900	2752		9	744,000	6043	2987	9030		53,000	
304	4260	1425	1664	3089	62	969	10	81	1162	278	1440	2754		10	733,000	5728	3032	8760		51,000	
861	4240	1366	1603	2969	61	952	11	126	1319	281	1600	2755		11	726,000	5724	3038	8760		49,000	
1190	4360	1280	1563	2833	53	837	12	130	1344	326	1670	2774		12	717,000	5300	3100	8400		47,000	
1313	4360	811	1867	2678	74	1162	13	116	1570	330	1900	2782		13	710,000	4748	3112	7860		45,000	
474	4420	159	2408	2567	107	1680	14	117	1824	316	2140	2771		14	704,000	4513	3087	7600		43,000	
446	4240	7	2426	2433	107	1680	15	125	1913	317	2230	2758		15	698,000	4365	3075	7440		41,000	
926	3990	0	2394	2394	64	1000	16	117	1815	325	2140	2775		16	693,000	4420	3100	7520		39,000	
665	3610	0	2373	2373	57	888	17	109	1843	317	2160	2787		17	688,000	4286	3104	7390		37,000	
407	3240	0	2461	2461	50	783	18	29	1531	409	1940	2783		18	682,000	4198	3192	7390		35,000	
303	2850	0	2376	2376	33	514	19	13	1151	229	1380	2757		19	676,000	4404	2986	7390		33,000	
661	2440	0	2288	2288	35	544	20	38	787	213	1000	2762		20	667,000	4325	2975	7350		31,000	
333	2580	507	1846	2353	44	696	21	25	464	238	702	2757		21	654,000	4355	2995	7350		29,000	
626	3150	572	1970	2542	57	895	22	36	261	225	486	2759		22	651,000	4366	2984	7350		27,000	
964	3540	572	2032	2604	60	944	23	52	364	236	600	2764		23	645,000	4480	3000	7480		25,000	
242	3630	0	2498	2498	83	1305	24	137	898	252	1150	2767		24	638,000	3771	3019	6790		23,000	
531	3660	0	2566	2566	58	1061	25	141	1393	337	1730	2786		25	634,000	3097	3123	6220		21,000	
847	3700	0	2503	2503	51	802	26	152	1299	341	1640	2784		26	631,000	2905	3125	6030		19,000	
147	3390	0	2424	2424	15	228	27	147	1368	352	1720	2758		27	627,000	2880	3110	5980		17,000	
388	3430	0	2420	2420	28	434	28	113	992	768	1760	2760		28	623,000	1882	3528	5410		15,000	
							29	111	228	1352	1580	2781		29	623,000	867	4133	5020		13,000	
									434	1366	1800	2795		30	623,000	859	4161	5020		11,000	
										65,857										151	

AGING STATIONS 1956

LAKE WALCOTT CONTENTS ACRE-Feet	MINIDOKA CANALS					SNAKE RIVER NEAR MINIDOKA			DATE	MILNER LAKE GAGE FEET	MINOR STORAGE DIVERSIONS MINIDOKA TO MILNER	GOODING PROJECT			NORTH SIDE CANAL COMPANY					LAKE FALLS CANAL COMPANY				
	NORTH	SOUTH	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL				STORED	NORMAL	TOTAL	P. A.	GOODING	MAIN	TOTAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL
95,070	1540	1150	2690	2690	0	5585	2905	8490	AUG. 21	11.12	4	1440	0	1440	75	940	2660	3675	3334	341	96	2564	3460	
95,070	1540	1220	2760	2760	0	5348	2892	8240	22	10.94	4	1420	0	1420	75	910	2660	3645	3305	340	98	2562	3460	
94,950	1530	1260	2790	2790	0	5377	2883	8260	23	10.84	4	1420	0	1420	73	930	2660	3653	3323	340	97	2543	3460	
95,070	1520	1260	2780	2780	0	5515	2895	8410	24	10.71	4	1420	0	1420	73	920	2670	3683	3322	341	98	2554	3460	
94,490	1500	1230	2730	2730	0	5718	2892	8610	25	10.78	4	1420	0	1420	73	940	2660	3673	3332	341	98	2551	3480	
93,550	1460	1210	2670	2670	0	5625	2925	8550	26	10.66	4	1420	0	1420	73	940	2670	3683	3339	344	99	2551	3480	
91,690	1400	1200	2600	2600	0	5934	2936	8870	27	10.82	4	1430	0	1430	73	960	2710	3743	3398	345	99	256	3500	
91,230	1350	1190	2540	2540	0	6011	2979	8990	28	11.09	4	1420	0	1420	73	950	2680	3703	3352	351	97	2528	3510	
90,990	1320	1200	2520	2520	0	5784	2976	8760	29	11.14	4	1420	0	1420	58	960	2680	3698	3348	350	97	2528	3500	
91,230	1270	1180	2450	2450	0	5448	2992	8440	30	10.91	4	1390	0	1390	58	950	2640	3648	3296	352	97	2528	3490	
92,160	1190	1190	2380	2380	0	5213	2997	8210	31	11.02	4	1380	0	1380	58	960	2600	3618	3266	352	98	2545	3480	
94,250	1190	1170	2360	2360	0	4910	2960	7870	SEPT. 1	10.80	3	1380	0	1380	59	950	2510	3519	3170	349	98	2511	3490	
95,790	1190	1160	2350	2350	0	4860	2960	7820	2	10.61	3	1390	0	1390	59	960	2470	3489	3140	349	99	251	3400	
95,430	1190	1130	2320	2320	0	5187	2963	8150	3	10.67	3	1390	0	1390	59	950	2500	3509	3160	349	98	2514	3400	
96,150	1160	1150	2310	2310	0	5225	2985	8210	4	10.70	3	1390	0	1390	59	960	2500	3519	3168	351	98	2534	3380	
95,670	1140	1130	2270	2270	0	5300	2990	8290	5	10.95		1390	0	1390	59	970	2490	3519	3167	352	99	2538	3380	
96,390	1140	1100	2240	2240	0	5146	2974	8120	6	11.04		1390	0	1390	59	970	2490	3519	3169	350	98	2524	3340	
96,270	1120	1070	2190	2190	0	4931	2969	7900	7	11.12		1380	0	1380	59	970	2480	3509	3160	349	99	2520	3330	
95,910	1010	1050	2060	2060	0	4769	2961	7730	8	11.09		1370	0	1370	59	960	2430	3449	3100	349	98	2512	3300	
95,630	935	958	1993	1993	0	4598	2962	7560	9	11.00		1370	0	1370	59	960	2400	3419	3070	349	97	2510	3140	
96,510	919	895	1814	1814	0	4493	2987	7480	10	10.86		1360	0	1360	59	950	2280	3289	2937	352	98	2535	3130	
95,670	926	860	1806	1806	0	4418	3032	7450	11	10.91		1360	0	1360	59	960	2240	3259	2902	357	98	2529	3080	
95,550	862	871	1733	1733	0	4414	3036	7450	12	11.06		1350	0	1350	59	960	2250	3269	2912	357	99	2529	2980	
94,720	686	774	1460	1460	0	4240	3100	7340	13	11.19		1350	0	1350	59	950	2120	3129	2764	365	98	2378	2940	
95,180	542	637	1179	1179	0	3688	3112	6800	14	11.10		1300	0	1300	59	920	1960	2939	2557	382	99	2356	2710	
95,430	504	552	1056	1009	47	3470	3040	6510	15	11.03		1270	0	1270	59	900	1910	2869	2469	400	99	2340	2640	
95,670	502	499	1001	946	55	3410	3020	6430	16	10.95		1270	0	1270	59	870	1830	2759	2359	400	99	2320	2620	
95,910	502	490	992	882	110	3270	2990	6260	17	10.83		1220	0	1220	58	850	1790	2698	2298	400	99	2290	2590	
96,150	576	535	1111	967	144	3220	2960	6180	18	10.76		1200	0	1200	55	860	1780	2695	2295	400	99	2280	2580	
96,150	714	589	1303	991	312	3470	2880	6350	19	10.75		1190	0	1190	55	850	1700	2605	2205	400	99	2180	2480	
95,180	760	614	1374	1168	206	3620	2780	6400	20	10.78		1180	0	1180	55	860	1670	2585	2185	400	99	2180	2480	
93,790	712	612	1324	939	385	3730	2590	6320	21	10.64		1160	0	1160	40	850	1600	2490	2090	400	99	2180	2480	
91,690	590	616	1206	761	445	4070	2550	6620	22	10.72		1190	0	1190	53	880	1590	2523	2123	400	99	2180	2480	
93,790	556	584	1140	706	434	3480	2550	6030	23	11.11		1170	0	1170	44	850	1550	2444	2044	400	99	2180	2480	
94,840	556	549	1105	425	680	3240	2320	5560	24	10.98		1160	0	1160	44	830	1460	2334	1934	400	99	2180	2480	
96,030	622	537	1159	270	889	3010	2130	5140	25	10.94		1120	0	1120	42	830	1290	2162	1762	400	99	2180	2480	
96,630	656	559	1215	182	1033	2790	2090	4880	26	10.96		1100	0	1100	0	820	1240	2060	1660	400	99	2180	2480	
95,790	652	647	1299	224	1075	2850	2050	4900	27	10.98		1100	0	1100		810	1080	1890	1490	400	99	2180	2480	
95,550	684	642	1326	256	1070	2940	2040	4980	28	10.91		1100	0	1100		570	1390	1960	1370	590	99	2180	2480	
95,180	702	616	1318	0	1318	1770	2210	3980	29	10.80		780	0	780		0	1740	1740	457	1283	99	2180	2480	
94,490	568	544	1112	0		737	2913	3650	30	10.78		0	0	0		0					99	2180	2480	

1956

PLATE NO 13

RIVER MINIDOKA		DATE	MILNER LAKE GAGE FEET	MINOR STORAGE 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
8490		AUG 21	11.12	4	1440	0	1440	75	940	2660	3675	3334	341	896	2564	3460	216	0	216	301	0	301
8240		22	10.94	4	1420	0	1420	75	910	2660	3645	3305	340	928	2552	3480	216	0	216	288	0	288
8260		23	10.84	4	1420	0	1420	73	930	2660	3663	3323	340	937	2543	3480	216	0	216	288	0	288
8410		24	10.71	4	1420	0	1420	73	920	2670	3663	3322	341	926	2554	3480	216	0	216	285	0	285
8610		25	10.78	4	1420	0	1420	73	940	2660	3673	3332	341	929	2551	3480	216	0	216	279	0	279
8550		26	10.66	4	1420	0	1420	73	940	2670	3683	3339	344	919	2581	3500	216	0	216	277	0	277
8870		27	10.82	4	1430	0	1430	73	960	2710	3743	3398	345	919	2581	3500	216	0	216	274	0	274
8990		28	11.09	4	1420	0	1420	73	950	2680	3703	3352	351	872	2591	3510	216	0	216	279	0	279
8760		29	11.14	4	1420	0	1420	58	960	2680	3698	3348	350	804	2628	3500	216	0	216	298	0	298
8440		30	10.91	4	1390	0	1390	58	950	2640	3648	3296	352	780	2626	3430	216	0	216	310	0	310
8210		31	11.02	4	1380	0	1380	58	960	2600	3618	3266	352	765	2640	3420	216	0	216	288	0	288
7870		SEPT. 1	10.80	3	1380	0	1380	59	950	2510	3519	3170	349	789	2611	3400	203	0	203	285	0	285
7820		2	10.61	3	1390	0	1390	59	960	2470	3489	3140	349	789	2611	3400	203	0	203	282	0	282
8150		3	10.67	3	1390	0	1390	59	950	2500	3509	3160	349	816	2614	3400	206	0	206	277	0	277
8210		4	10.70	3	1390	0	1390	59	960	2500	3519	3168	351	746	2634	3380	206	0	206	274	0	274
8290		5	10.95	3	1390	0	1390	59	970	2490	3519	3167	352	692	2638	3330	206	0	206	279	0	279
8120		6	11.04	3	1390	0	1390	59	970	2490	3519	3169	350	516	2624	3140	206	0	206	282	0	282
7900		7	11.12	3	1380	0	1380	59	970	2480	3509	3160	349	510	2620	3130	200	0	200	293	0	293
7730		8	11.09	3	1370	0	1370	59	960	2430	3449	3100	349	518	2612	3130	194	0	194	285	0	285
7560		9	11.00	3	1370	0	1370	59	960	2400	3419	3070	349	527	2613	3140	194	0	194	274	0	274
7480		10	10.86	3	1360	0	1360	59	950	2280	3289	2937	352	495	2635	3130	194	0	194	277	0	277
7450		11	10.91	3	1360	0	1360	59	960	2240	3259	2902	357	385	2675	3060	174	0	174	282	0	282
7450		12	11.06	3	1350	0	1350	59	960	2250	3269	2912	357	281	2679	2960	170	0	170	301	0	301
7340		13	11.19	3	1350	0	1350	59	950	2120	3129	2764	365	105	2735	2840	170	0	170	324	0	324
6900		14	11.10	3	1300	0	1300	59	920	1960	2939	2557	382	0	2730	2730	170	0	170	298	0	298
6510		15	11.03	3	1270	0	1270	59	900	1910	2869	2469	400	0	2640	2640	170	0	170	288	0	288
6430		16	10.95	3	1270	0	1270	59	870	1830	2758	2359	400	0	2620	2620	170	0	170	282	0	282
6260		17	10.83	3	1220	0	1220	58	850	1790	2698	2298	400	0	2590	2590	170	0	170	279	0	279
6180		18	10.76	3	1200	0	1200	55	860	1780	2695	2295	400	0	2560	2560	154	0	154	277	0	277
6350		19	10.75	3	1190	0	1190	55	850	1700	2605	2205	400	0	2480	2480	147	0	147	277	0	277
6400		20	10.78	3	1180	0	1180	55	860	1670	2585	2185	400	0	2380	2380	141	0	141	285	0	285
6320		21	10.84	3	1160	0	1160	40	850	1600	2490	2090	400	0	2190	2190	136	0	136	288	0	288
6520		22	10.72	3	1190	0	1190	53	880	1590	2523	2123	400	0	2150	2150	131	0	131	357	0	357
6030		23	11.11	3	1170	0	1170	44	850	1550	2444	2044	400	0	2150	2150	131	0	131	470	0	470
5590		24	10.98	3	1160	0	1160	44	830	1460	2334	1934	400	0	1920	1920	131	0	131	293	0	293
5140		25	10.94	3	1120	0	1120	42	830	1290	2162	1762	400	0	1730	1730	131	0	131	290	0	290
4880		26	10.96	3	1100	0	1100	0	820	1240	2060	1660	400	0	1690	1690	131	0	131	282	0	282
4900		27	10.98	3	1100	0	1100	0	820	1240	2060	1660	400	0	1650	1650	131	0	131	279	0	279
4980		28	10.91	3	1100	0	1100	0	910	1080	1890	1490	400	0	1640	1640	110	0	110	279	0	279
3980		29	10.80	3	780	0	780	0	570	1390	1960	1370	590	0	1620	1620	104	0	104	277	0	277
3650		30	10.78	3	0	0	0	0	0	1740	1740	457	1283	0	1630	1630	89	0	89	277	0	277
					234		126,976					238,460		52,754			17,702			24,498		

CANAL		NO	JUNE		JULY																											
			29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
SWAN VALLEY USERS		1																														
RILEY	2										3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
PROGRESSIVE IRRIGATION DISTRICT	3																															
FARMERS FRIEND	4																															
ENTERPRISE	5																															
NELSON	6										280	350	343	347	343	377	381	308	301	298	349	375	367	369	370	308	343	280	337	246		
MATTISON-CRAIG	7										109	102	101	74	76	29	41	22	20	18	20	70	85	88	370	308	343	280	337	246		
BUTLER ISLAND	8										2	2	3	3	3	2	1	5	5	6	8	8	8	7	5	5	4	3	4	4		
STEELE	9																															
HARRISON	10																															
RUDY	11										8	5	4	4	5	5	8	7	0	3	3	6	6	6	6	6	5	4	5	6		
BURGESS	12										41	23	23	32	106	106	106	101	101	101	106	115	113	117	117	101	74	90	89	100		
CLARK & EDWARDS	13										56	19	47	90	71	61	40	44	55	57	82	112	120	116	143	119	138	135	93	104		
LOWDER	14										127	65	92	92	92	92	92	100	100	92	103	118	109	109	118	118	109	100	100	103		
SUNNYDELL	15										3	3	3	3	3	3	3	3	2	1	0	2	3	3	3	3	3	1	1	1		
LENROOT	16																															
REID	17																															
HILL PETTINGER	18																															
RIGBY	19										0	26	21	31	31	14	19	19	26	0	13	0	29	44	38	20	6	12	7	33		
DILTS	20																															
PARKS & LEWISVILLE	21																															
WHITE	22																															
BRAMWELL	23																															
BUTTE & MARKET LAKE	24																															
OSGOOD	25																															
BEAR ISLAND	26																															
SMITH	27																															
KENNEDY	28																															
IDAHO	29																															
NEW SWEDEN IRRIGATION DISTRICT	30										260	240	240	360	350	370	350	340	240	330	340	360	400	400	540	240	370	340	200	240		
MARTIN	31										210	220	307	304	379	379	370	392	353	343	359	344	342	342	347	326	309	326	351	351		
KELLAR	32																															
WOODVILLE	33																															
SNAKE RIVER VALLEY	34																															
MISCELLANEOUS	35										25	0	71	119	145	121	0	0	0	0	143	250	246	241	198	132	171	121	90	7		
											6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
TOTAL HEISE TO SHELLEY		36									1128	1087	1335	1553	1694	1658	1571	1482	1342	1435	1721	2033	2137	2156	2070	1686	1893	1825	1386	180		
RESERVATION		37																														
BLACKFOOT	38										96	49	13	16	35	67	52	52	15	13	45	116	80	76	95	5	0	12	0			
NEW LAVA SIDE	39																															
PEOPLES	40										140	151	156	115	107	153	154	153	164	138	130	130	130	130	146	143	153	136	143			
ABERDEEN	41										190	200	200	200	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210		
CORBETT	42																															
TREGO	43																															
TOTAL SHELLEY TO BLACKFOOT		44									426	400	375	337	367	446	443	431	403	381	409	478	443	424	466	413	432	398	378			
MISCELLANEOUS BLACKFOOT TO NEELEY		45																														
MISCELLANEOUS NEELEY TO MINIDOKA	46																															
MINIDOKA PROJECT	47	324	334	334	324	324	344	334	334	334	1006	1324	1175	1314	1314	1304	1294	1254	1244	1144	1692	2311	2688	2562	2821	2846	300	2882				
MISCELLANEOUS MINIDOKA TO MILNER	48																															
MILNER LOW LIFT	49																															

DAILY STORAGE DIVERSIONS — MAI

24 HOUR SECOND-FEET EXCEPT AS NOTED

[illegible]

D

SEPTEMBER

[illegible]

RIVER

PLATE NO. 14

SEPTE

8	9	10	11	12	13	14	15	FEET	JACKSON LAKE EQUIVALENT ACRE-Feet	AMERICAN FALLS RIGHT OWNED ACRE-Feet	LEASED ACRE-Feet	JACKSON LAKE RIGHT ACRE-Feet	RENTALS ACRE-Feet	OTHER RIGHTS ACRE-Feet	TOTAL SUPPLY ACRE-Feet
								379	409				⑩ 409		409
19	18	5	5	5	10	10	8	2,437	2,628				① 291		2,632
43	0	111	109	89	87	64	47	2,600	21,134	190	79	2,072	② 650	③ 8,230	29,571
								2,703	2,914	3,531	997	16,153	④ 1,290		3,290
93	99	99	102	106	107	99	97	2,459	10,200	2,524	1,200	2,000	⑤ 300	③ - 8,230	13,145
								262	283			17,661	⑥ 170		300
								107	115				⑦ 400		170
								371	400				⑧ 400		400
								321	346				⑨ 390		400
38	64	141	143	136	101	0	2	6,741	7,268	3,401		20,567	⑩ 3,663		24,358
101	93	39	32	24	56	67	102	0,282	11,087	749		5,430	⑪ 70		11,355
146	89	85	85	76	46	33	33	2,627	13,617	2,686	1,513	17,413	⑫ 110		22,908
								102	110						110
								0	0			1,040			1,040
								2,689	2,900			4,000			4,000
75	74	72	71	64	56	42	32	7,227	7,792	1,094	586	8,008			9,688
								734	791	721	293	3,300			4,314
								186	200				⑬ 300		300
0	14	9	0					1,277	1,377				⑭ 1,410		1,410
								357	385						1,464
								984	1,061	250	67	1,147	⑮ 1,100		1,100
								127	137				⑯ 136		136
								0	0				⑰ 200		200
								2,560	2,761	1,320	6,611	6,041	⑱ 25		13,997
17	112	112	110	107	108	109	109	2,109	13,056	3,807	3,134	17,423	⑲ 200		24,364
5	5	5	0					424	457	54	29	247	⑳ 200		530
								91	98			92			112
1	9	8	8	8	6	4	1	1,803	1,944	20		365	㉑ 2,220		2,575
								4,578	15,720	6,480	735	29,661	㉒ 5		36,876
15	147	126	109	93	105	96	62	7,749	29,920	7,277	1,887	38,311	㉓ 1,290		48,765
14	34	34	34	34	34	27	27	4,528	4,883	567	336	4,098	㉔ 60		5,001
								56	60						60
								1,079	1,164	1,710	196	7,828			9,734
33	370	350	306	293	211	248	271	2,452	41,452	7,457		49,135	㉕ 869		56,592
4	4	4	3	3	3	3	3	798	860						869
29	132	1205	1122	1038	950	818	805	12,820	197,120	43,838	20,402	251,982	15,544	0	331,766
								204	220				㉖ 220		220
								1,636	1,764	3,610	1,459	16,523	㉗ 1,500		21,592
								807	870						1,500
0	445	467	447	420	13	0		8,692	20,155	6,057	3,354	35,723	㉘ - 55		45,134
0	959	958	919	860	798	159	7	1,261	66,060	15,921	20,908	114,296			151,070
								0	0	961	178	4,398			5,535
								0	0	371		1,701			2,072
0	1434	1425	1366	1280	811	159	7	12,600	89,069	26,920	25,699	172,639	1,665	0	227,123
								55					㉙ 55		55
								300					㉚ 300		300
3	1814	1606	1733	1460	1179	1009	946	3,778		393,972	26,567			㉛ 169,820	590,359
								468					㉜ 468		468
4	194	194	174	170	170	170	170	5,111		45,887	3,332		㉝ 1,075		50,094
8	927	425	385	281	105	0		4,636		151,185			㉞ - 6,618		241,750
0	3070	2937	2902	2912	2764	2587	2469	2,978		454,960	48,763	97,183			812,730
0	370	360	1360	1350	1350	1300	1270	1,853		400,000		312,007			400,000
0	280	280	280	280	280	280	280	1,985		45,000					45,000
								0							
								6,663		1,561,562	135,556	833,611	-12,928	㉟ 665	
								⑭		⑭		⑭	- 30	169,820	2,700,719

NOTES

- ① RENTED FROM TWIN FALLS CANAL CO.
- ② 500 A.F. FROM U.S. 150 FROM T.F. CANAL CO.
- ③ TRANSFER FROM ENTERPRISE TO PROGRESSIVE IRR. DIST.
- ④ 980 A.F. FROM U.S. 310 FROM T.F. CANAL CO.
- ⑤ RENTED FROM U.S.
- ⑥ 3,580 A.F. FROM U.S. 83 FROM T.F. CANAL CO.
- ⑦ 100 A.F. FROM U.S. 10 FROM T.F. CANAL CO.
- ⑧ 779 A.F. FROM U.S. 90 FROM T.F. CANAL CO.
- ⑨ TRANSFERRED TO AMERICAN FALLS PUMP.
- ⑩ 100 A.F. FROM U.S. 309 FROM T.F. CANAL CO.
- ⑪ TRANSFERRED FROM ABERDEEN
- ⑫ LAKE WALCOTT, JUNE 29, 93, 320 A.F. AND GAIN NEELEY TO MILNER, 76,500 A.F.
- ⑬ TO BE USED PUDDLING NEW CANAL AT MILNER BUTTE, FALL OF 1956
- ⑭ SEE PLATE 22 FOR SNAKE RIVER STORAGE USED ON HENRY'S FORK

DATE	HENRYS LAKE	HENRYS FORK NEAR LAKE			STORED LOSS LAKE TO	STORED DIVERSIONS ABOVE	F.M.DIST SHERIDAN CREEK	STORED INFLOW TO ISLAND PARK	DATE	ISLAND PARK RESERVOIR	HENRYS FORK NEAR ISLAND PARK			ISLAND PARK TO ASHTON		DATE	HENRYS FORK NEAR ASHTON			GRASSY LAKE
	CONTENTS	ACRE- FEET	STORED	NORMAL	TOTAL	ISLAND PARK	ISLAND PARK	RIGHT		RESERVOIR	CONTENTS	ACRE- FEET	STORED	NORMAL	TOTAL		STORED LOSS	STORED DIVERSION	STORED	NORMAL
JULY 4																				
5	80,100									JULY 5	133,110			519			JULY 6			
6										6	133,030			504			7			
7										7	133,030			500			8			
8										8	132,950			495		3	9	- 3	1283	1280
9							5	12	7	9	132,950	339	465	804	8	3	10	328	1732	2060
10							5	12	7	10	131,990	735	465	1200	18	3	11	714	1286	2000
11							5	12	7	11	130,640	405	465	870	10	3	12	392	1288	1680
12							5	12	7	12	129,615	425	465	890	11	3	13	411	1339	1750
13							5	12	7	13	128,360	400	465	865	10	3	14	387	1363	1750
14							5	12	7	14	127,655	475	465	940	12	3	15	460	1140	1600
15							5	12	7	15	126,485	565	465	1030	14	3	16	548	1292	1840
16							5	12	7	16	125,320	615	465	1080	15	3	17	597	1443	2040
17							5	12	7	17	123,935	895	465	1360	22	3	18	870	1640	2510
18							5	12	7	18	121,650	1285	465	1750	32	3	19	1250	1430	2680
19							5	12	7	19	118,860	1285	465	1750	32	3	20	1250	1380	2630
20							5	12	7	20	116,410	1265	465	1730	31	3	21	1231	1339	2570
21							5	12	7	21	113,985	995	465	1460	25	3	22	967	1273	2240
22							5	12	7	22	112,170	875	465	1340	22	3	23	850	1390	2240
23							5	12	7	23	110,440	875	465	1340	22	3	24	850	1350	2200
24		0	24	24			5	12	7	24	108,590	795	465	1260	20	3	25	772	1228	2000
25		111	24	135	4		5	12	114	25	107,175	715	465	1180	18	3	26	694	1266	1960
26	78,600	179	24	203	7		5	12	179	26	105,705	755	465	1220	19	3	27	733	1407	2140
27		100	23	123	4		5	12	103	27	104,455	845	465	1310	21	3	28	821	1299	2120
28		100	23	123	4		5	12	103	28	103,145	825	465	1290	20	3	29	802	1358	2160
29		102	22	124	4		5	12	105	29	101,575	825	465	1290	20	3	30	802	1378	2180
30		103	21	124	4		5	12	106	30	100,355	785	465	1250	20	3	31	762	1278	2040
31	77,300	106	20	126	4		5	12	109	31	99,145	715	465	1180	18	3	AUG. 1	694	1266	1960
AUG. 1		106	20	126	4		5	12	109	1	97,875	675	465	1140	17	2	2	656	1244	1900
2		106	20	126	4		5	12	109	2	96,815	595	465	1060	15	2	3	578	1262	1840
3		106	20	126	4		5	12	109	3	95,825	555	465	1020	14	2	4	539	1231	1770
4		106	20	126	4		5	12	109	4	95,105	491	465	956	12	2	5	477	1243	1720
5		106	20	126	4		5	12	109	5	94,390	491	465	956	12	2	6	477	1223	1700
6		106	20	126	4		5	12	108	6	93,610	491	465	956	12	2	7	477	1223	1700
7		105	19	124	4		5	12	107	7	92,900	491	465	956	12	2	8	477	1243	1720
8		104	19	123	4		5	12	107	8	92,195	491	465	956	12	2	9	477	1223	1700
9		104	19	123	4		5	12	107	9	91,490	491	465	956	12	2	10	477	1243	1720
10	75,300	103	19	122	4		5	12	106	10	90,795	491	465	956	12	2	11	477	1223	1700
11		103	19	122	4		5	12	105	11	90,100	491	465	956	12	2	12	477	1193	1660
12		102	18	120	4		5	12	105	12	89,405	491	465	956	12	2	13	477	1183	1660
13		102	18	120	4		5	12	101	13	88,635	475	465	940	12	2	14	461	1199	1660
14		98	18	116	4		5	12	100	14	87,970	420	465	885	10	2	15	408	1142	1550
15		97	18	115	4		5	12	100	15	87,410	376	465	841	9	2	16	365	1105	1470
16		97	18	115	4		5	12	100	16	86,790	327	465	792	8	2	17	317	1103	1420
17		97	18	115	4		5	12	99	17	86,605	253	465	718	6	2	18	245	1115	1360
18		96	17	113	4		5	12	98	18	86,420	253	465	718	6	2	19	245	1095	1340
19	73,400	95	17	112	4		5	12	98	19	86,235	253	465	718	6	2	20	245	1155	1400
20		95	17	112	4		5	12	98	20	86,055	253	465	718	6	2	21	245	1075	1320
21		95	17	112	4		5	12	98	21	85,810	253	465	718	6	2	22	245	1135	1380
22		95	17	112	4		5	12	98	22	85,565	239	465	704	6	2	23	231	1099	1330

HENRYS FORK — DAILY SEGREGATION OF FLOW

24 HOUR SECOND-FOOT EXCEPT AS NOTED

STORAGE VERSIONS ANTHONY TO	HENRYS FORK AT ST. ANTHONY			STORAGE DIVERSIONS ST. ANTHONY TO REXBURG		DATE	HENRYS FORK NEAR REXBURG			STORAGE DIVERSIONS BELOW REXBURG	STORAGE AT MOUTH OF HENRYS FORK
	STORAGE	NORMAL	TOTAL	HENRYS FORK	TETON RIVER		STORAGE	NORMAL	TOTAL		
7	-7	1387	1380	13		JULY 7					
23	-23	1193	1170	30		8	-20	1700	1680		-21
77	-80	1021	941	41	20	9	-53	1323	1270	1	-54
198	130	1160	1290	13	73	10	-141	1161	1020	1	-142
91	523	877	1400	44	73	11	44	1286	1330	1	43
245	147	893	1040	10	189	12	406	784	1190	1	405
317	94	1026	1120	3	201	13	-52	1162	1110	1	-53
460	-73	963	890	65	179	14	-110	1150	1040	1	-110
510	-50	950	900	90	148	15	-317	1231	914		-317
498	50	891	941	77	129	16	-288	1166	878		-288
513	84	868	952	0	284	17	-156	953	797		-156
578	292	928	1220	0	274	18	-200	1019	819		-200
553	697	703	1400	3	346	19	18	1062	1080		18
416	834	666	1500	0	287	20	348	922	1270		348
427	804	666	1490		268	21	547	823	1370		547
417	550	710	1260		213	22	536	904	1440		536
389	461	759	1220		196	23	337	993	1330		337
404	446	834	1280		181	24	265	1085	1350		265
351	421	699	1120		170	25	265	1045	1310		265
416	278	742	1020		150	26	251	889	1140		251
444	289	731	1020		143	27	128	942	1070		128
350	462	558	1020		180	28	146	964	1110		146
361	441	599	1040		193	29	282	828	1110		282
299	503	557	1060		179	30	248	1052	1300		248
320	442	632	974		108	31	324	1006	1330		324
343	351	590	941		98	AUG. 1	334	996	1330	1	333
354	302	661	963		88	2	253	1097	1350	1	252
293	285	678	963		68	3	214	1046	1260	1	213
300	239	702	941		98	4	217	923	1140	1	216
294	183	727	910		87	5	141	899	1040	1	140
295	182	748	930		77	6	96	934	1030	1	95
288	189	711	900		82	7	105	863	968	1	104
359	118	762	880		102	8	107	819	926		107
749	-272	1172	900		123	9	16	898	914		16
752	-275	1155	880	0	122	10	-395	1363	968		-395
685	-208	1118	910	350	125	11	-397	1365	968		-397
683	-186	1127	941	319	79	12	-683	743	1060		-683
608	-181	1155	974	323	89	13	-584	1724	1140		-584
646	-185	1181	996	300	93	14	-593	1713	1120		-593
597	-189	1163	974	358	85	15	-578	1748	1170		-578
585	-220	1130	910	336	74	16	-629	1809	1180		-629
575	-258	1168	910	319	80	17	-630	1790	1160		-630
591	-346	1216	870	352	69	18	-657	1787	1130		-657
591	-336	1216	880	329	66	19	-767	1867	1100		-767
570	-325	1255	930	338	82	20	-731	1821	1090		-731
556	-311	1181	840	335	91	21	-745	1855	1110		-745
523	-278	1138	860	302	119	22	-737	1797	1060		-737
547	-316	1155	840	283	106	23	-699	1729	1030		-699
						24	-705	1661	956		-705

DATE	HENRYS LAKE	HENRYS FORK			STORED LOSS	STORED DIVERSIONS
	CONTENTS	NEAR LAKE			LAKE TO	ABOVE
	ACRE-FOOT	STORED	NORMAL	TOTAL	ISLAND PARK	ISLAND PARK
AUG 22		94	17	111	4	5
23		93	17	110	4	5
24		91	17	108	4	5
25		90	16	106	4	5
26		88	16	104	4	5
27		87	16	103	3	5
28		88	16	104	4	5
29		87	16	103	3	5
30		86	16	102	3	5
31		86	16	102	3	5
SEPT 1		86	16	102	3	3
2		84	16	100	3	2
3		83	16	99	3	2
4	69,800	83	16	99	3	
5		82	16	98	3	
6		82	16	98	3	
7		82	16	98	3	
8		82	16	98	3	
9		80	16	96	3	
10		79	16	95	3	
11		42	16	58	2	
12	68,500	0	17	17		
13						
14						
15						
16						
17						
18						
19						
20						
21						
22	68,700					
23						
24						
25						
26						
TOTAL		4,672			183	282

INFLOW TO ISLAND PARK RESERVOIR	DATE	ISLAND PARK RESERVOIR CONTENTS ACRE-FOOT	HENRYS FORK ISLAND PARK			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 DIVERSIONS BELOW REXBURG
			STORED	NORMAL	TOTAL	STORED	STORAGE		STORED	NORMAL	TOTAL			STORED	NORMAL	TOTAL	HENRYS FORK	TETON RIVER		STORED	NORMAL	TOTAL	
87	AUG. 23	85,325	190	465	655	5	2	AUG. 24	183	1057	1240		525	-342	1100	758	287	105	AUG. 25	-734	1636	902	
86	24	84,980	155	465	620	4	2	25	149	1091	1240		525	-376	1134	758	285	83	26	-744	1640	896	
84	25	85,325	160	465	625	4	2	26	154	1126	1280		510	-358	1141	785	281	76	27	-713	1663	950	
83	26	85,080	175	465	640	4	2	27	169	1131	1300		503	-334	1174	840	296	58	28	-688	1778	1090	
91	27	84,840	258	465	723	6	2	28	250	1270	1520		471	-221	1321	1100	312	60	29	-593	2033	1440	
91	28	84,415	381	465	846	9	2	29	370	1100	1470		474	-104	1244	1140	308	59	30	-471	1871	1400	
91	29	83,950	239	465	704	6	2	30	231	1089	1320		447	-216	1256	1040	264	65	31	-545	1835	1290	
91	30	83,950	170	465	635	4	2	31	164	1076	1240		430	-266	1306	1040	260	61	SEPT. 1	-587	1877	1290	
90	31	83,570	170	465	635	4	2	SEPT. 1	164	1096	1260	50	418	-204	1314	1110	222	53	2	-479	1789	1310	
80	SEPT. 2	83,510	78	465	543	2	2	2	74	1096	1170	60	420	-286	1338	1050	238	50	3	-574	1734	1160	
92	3	83,510	78	465	543	2	2	3	74	1056	1130	60	392	-258	1318	1060	266	35	4	-559	1669	1110	
89	4	83,450	78	465	543	2	2	4	74	1056	1130	60	393	-259	1289	1030	266	33	5	-558	1598	1040	
88	5	83,450	78	465	543	2	2	5	74	1086	1160	60	387	-253	1263	1010	266	43	6	-562	1602	1040	
90	6	83,270	175	465	640	4	2	6	169	1251	1420	60	377	-148	1268	1120	266	44	7	-458	1668	1210	
89	7	82,850	376	465	841	9	1	7	366	1164	1530	60	434	-8	1268	1260	270	27	8	-305	1635	1330	
89	8	82,200	376	465	841	9		8	367	1243	1610	60	434	-7	1327	1320	274	26	9	-307	1667	1360	
89	9	81,430	371	465	836	9		9	362	1248	1610	60	434	-12	1352	1340	246	25	10	-283	1663	1380	
89	10	80,780	371	465	836	9		10	362	1268	1630	60	434	-12	1362	1350	234	33	11	-279	1659	1420	
87	11	80,195	307	465	772	8		11	299	1181	1480	60	411	-52	1352	1300	214	34	12	-300	1740	1440	
86	12	79,965	209	465	674	5		12	204	1246	1450	60	405	-141	1431	1290	206	40	13	-387	1917	1530	
50	13	80,020	155	465	620	4		13	151	1129	1280	60	361	-150	1390	1240	152	26	14	-328	1838	1510	
10	14	79,905	73	465	538	2		14	71	1139	1210	53	354	-230	1390	1160	148	26	15	-404	1914	1510	
10	15	79,845	73	465	538	2		15	71	1139	1210	50	340	-219	1369	1170	122	26	16	-367	1897	1530	
10	16	79,730	68	465	533	2		16	66	1164	1230	50	324	-208	1368	1160	122	25	17	-355	1855	1500	
10	17	79,615	35	465	500	1		17	34	1166	1200		323	-289	1449	1160	0	24	18	-313	1783	1470	
10	18	79,615	25	465	490	1		18	24	1146	1170		316	-292	1412	1120	0	24	19	-316	1746	1430	
10	19	79,615	28	462	490	1		19	27	1203	1230		311	-284	1424	1140	0	19	20	-303	1723	1420	
10	20	79,615	30	460	490	1		20	29	1171	1200		299	-270	1360	1090	122	19	21	-411	1751	1340	
10	21	79,615	30	460	490	1		21	29	1171	1200		295	-266	1356	1090	122	17	22	-405	1705	1300	
10	22	79,615	30	460	490	1		22	29	1111	1140		296	-267	1307	1040	122	18	23	-407	1657	1250	
10	23	79,675	-140	460	320	-3		23	-137	1167	1030		295	-432	1332	900	101	22	24	-555	1835	1280	
10	24	79,845	26	460	486	1		24	25	1185	1210		290	-265	1355	1090	101	22	25	-388	1818	1430	
10	25	79,845	21	460	481	1		25	20	1210	1230		283	-263	1373	1110	101	23	26	-387	1857	1470	
25	26	79,790	16	460	476	0		26	16	1214	1230		245	-229	1329	1100	101	21	27	-381	1831	1480	
26	27	79,790	16	460	476	0		27	16	1184	1170		141	-125	1175	1060	0	7	28	-132	1592	1460	
27		79,730						28					97	-97	1237	1140			29	-97	1677	1580	
5,089		31,921				791	145		30,985			923	33,971	-2,063			11,205	7,616		-20,884			13

(1) LISTED HERE ONE DAY LATER THAN RELEASE AT RESERVOIR

① LISTED HERE ONE DAY LATER THAN RELEASE AT RESERVOIR

STORAGE

NAME OF CANAL	NO.	JULY																														
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4		
ABOVE ISLAND PARK DAM	1	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
MISCELLANEOUS ISLAND PARK TO ASHTON	2		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	
MISCELLANEOUS	3		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
CONANT CREEK CANAL	4					28	28	28	27	27	27	27	24	24	24	21	21	21	21	20	20	20	20	20	19	19	19	19	19	19	18	
BOOM CREEK CANAL	5						8	7	7	7	9	9	8	8	7	6	8	8	8	8	8	8	8	7	7	7	7	7	7	7	7	
SQUIRREL CREEK CANAL	6					5	5	5	4	3	7	11	9	11	9	11	9	8	7	6	5	6	8	8	8	7	7	5	4	8		
YELLOWSTONE	7																															
MARYSVILLE	8																															
FARMERS OWN	9												4	14	14	14	14	14	14	14	14	14	14	14	14	14	14	13	13	0		
ALMY	10						2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	0				0	2	3	3		
ENTERPRISE	11									153	168	168	164	164	161	166	164	164	161	166	166	166	161	164	159	171	174	174	171	174		
BELL	12	7	6	5	5	3	4	4	0															0	1	1	1	1	1	1		
FALL RIVER CANAL	13		0	40	93	60	38	95	82	63	89	50	68	71	11	28	27	0	11	0	8	46	32	32	0							
MC BEE	14																															
CHESTER	15																															
SILKEY	16																															
CURR	17									0	8	9	4	5	5	3	0															
DEWEY	18											15	18	5	6	5	12	11	11	13	12	13	14	12	13	12	22	22	21	2		
LAST CHANCE	19											85	86	86	86	87	86	83	81	80	79	75	0				0	31	42	0		
STANTHONY UNION	20	0	13	28	96	91	6	62	51	109	44	0																				
FARMERS FRIEND	21					150	110	130	127	140	137	152	154	83	83	71	78	80	39	98	96	98	100	75	85	65	65	63	6			
TWIN GROVES	22																															
SALEM UNION	23												0	35	8	0																
TOTAL ASHTON TO ST. ANTHONY	24	7	23	77	198	191	245	317	460	510	498	513	578	553	416	427	417	389	404	351	416	444	359	361	299	320	343	354	33			
EGIN	25	13	30	41	13	3	1	1	10	28	45																					
INDEPENDENT	26																															
CONSOLIDATED FARMERS	27				0	41	9	2	55	62	32	0	0	3	0																	
TOTAL STANTHONY TO REXBURG	28	13	30	41	13	44	10	3	65	90	77	0	0	3	0												0	1	1			
BELOW REXBURG	29		1	1	1	1	1	1																								

24 HOUR SECOND-FEET EXCEPT AS NOTED

S E

① FROM TWIN R.
② FROM FREMONT
③ FROM INDIAN

1956

PLATE NO 22

SEPTEMBER

COLUMBIA																														NO.	TOTAL		RESERVOIR ALLOTMENTS IN ACRE-FEET						
8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	SECOND- FEET	ACRE- FEET	FREMONT MADISON	HENRY'S LAKE	AMERICAN FALLS	JACKSON LAKE	RENTALS		TOTAL	HEADGATE EQUIVALENT							
																							1	282	560	610													
																							2	145	287	293			①	30	640	640							
																														293	287								
15	15	15	15	15	15	15	15	15	15	15	15	15	14	14	14	14	14	14	14	14	0		3	227	451	590					590	578							
																							4	1,342	2,661	2,179			②	650	2,729	2,662							
2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	0						5	332	659	230			②	446	876	659							
16	12	12	12	12	11	11	6	5	5	5	5	5	5	5	5	5	5	5	0			6	391	774	100			③	821	921	830								
94	95	96	96	97	75	75	76	77	77	78	78	78	78	78	78	78	78	43	0			7	672	1,333	1,580			②	80	1,660	1,619								
30	30	30	30	30	18	16	16	16	16	16	16	16	16	16	16	16	16	16	0			8	6,216	12,329	19,332			③	150	19,182	18,707								
																						9	1,947	3,861	8,663			③	150	8,813	8,995								
108	108	108	108	108	108	105	108	107	105	105	105	105	103	103	103	103	101	99	99	97	0	10	73	145				②	149	149	145								
																						11	10,963	21,745	10,126	2,882	13,189			28,197	24,778								
																						12	66	131	140					140	137								
																						13	944	1,872	7,957			④	- 522	7,435	7,249								
																						14	0	0	80					80	78								
8	8	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	6	5	0			15	516	1,023	1,498			⑥	50	1,548	1,510								
																						16	0	0	504					504	491								
																						17	34	67	69			⑧	20	89	87								
20	20	19	19	19	19	19	19	20	21	17	11	0										18	1,115	2,211	712	1,080		⑦	101	1,893	1,804								
48	49	49	40	39	39	38	38	38	38	37	36	36	35	35	35	35	35	35	0			19	3,409	6,761	1,831	10,510				12,341	11,825								
																						20	698	1,384	3,494	5,160				8,654	8,238								
92	94	94	80	74	63	62	49	34	34	32	34	33	33	34	33	28	28	28	28	0		21	4,983	9,864	8,559			⑤	1,092	7,651	7,461								
																						22	0	0	5,883			④	- 570	5,313	5,181								
																						23	43	85	7,754	18,350				26,104	24,741								
434	434	434	411	405	361	354	340	324	323	316	311	299	295	296	295	290	283	245	141	97	0	24	33,971	67,376	79,281	35,100	2,862	13,189	2,217	132,669	127,175								
																						25	185	367	2,392	5,180				7,562	7,163								
																						26	10,816	21,454	9,000	20,320		⑧	- 20	29,300	27,780								
274	248	234	214	206	152	148	122	122	0	0	0	122	122	122	101	101	101	101	0			27	204	405	4,930	15,240				20,170	19,074								
																						28	11,205	22,226	16,322	40,720			- 20	57,022	54,017								
274	246	234	214	206	152	148	122	122	0	0	0	122	122	122	101	101	101	101	0			29	13	26	27					27	26								

- ⑦ 40 A.F. FROM FALL RIVER CANAL; 61 FROM TETON IRRIGATION
⑧ 20 A.F. FROM INDEPENDENT TO CURR
⑨ 150 A.F. FROM MARYSVILLE TO FARMERS OWN

STORAC

CANAL	NO.	JULY																														
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	
TRAIL CREEK IRRIGATION CO.	1			52	47	47	64	64	64	35	30	26	44	44	40	32	24	24	22	21	21	20	20	7	7	7	7	14	12	12	11	
STRING CANAL	2			47	47	47	44	44	47	39	39	36	37	37	35	35	27	27	27	24	24	21	21	19	19	19	19	19	19	19	17	
FOX CREEK	3			10	10	7																										
GRAND TETON	4				0	53	68	66	69	0																						
SOUTH LEIGH, CACHE & HORSESHOE	5			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		
NORTH LEIGH & SPRING CREEK	6																															
TOTAL IN TETON BASIN	7			112	107	157	177	177	183	77	72	65	84	84	78	70	54	54	52	48	48	44	44	29	29	29	29	36	34	34	31	
EQUIVALENT AT ST. ANTHONY GAGE (2)	8				69	66	97	109	109	113	47	44	40	52	52	48	43	33	33	32	30	30	27	27	18	18	18	18	22	21	21	
CANYON CREEK CANAL	9						23	21	21	19	17	17	17	18	18	18	17	16	16	15	15	13	14	14	14	13	13	13	13	13	12	
TOTAL ABOVE ST. ANTHONY	10				69	66	120	130	130	132	64	61	57	70	70	66	60	49	49	47	45	43	41	41	32	31	31	31	35	34	31	
CROSS CUT INFLOW	11					100	112	76	67	54	50	72	208	191	143	145	150	162	157	157	157	143	143	148	155	150	120	110	70	70	71	
SIDDOWAY	12																															
WILFORD	13											31	41	30	29	25	24	23	23	20	28	29	28	25	25	0	23	22	18	17		
TETON IRRIGATION	14												0	7	0																	
GOOD LUCK	15										0	10	3	0	1	3	3	3	7	8	3	3	4	4	1	0	2	2	0	4		
PIONEER	16																															
STEWART	17			3	1	2	12	16	16	0	0	9	8	7	2	0			0	13	3	5	5	5	5	4	3	3	2	3		
PINCOCK-BYINGTON	18													7	7	7	6	5	5	4	3	3	3	3	3	3	2	2	2	0		
PINCOCK-GARNER	19			17	3	5	0				0	4	2	1	3	7	7	6	6	6	4	0	2	3	3	3	2	2	4	3		
GARDNER	20												0	7	6	6	6	6	6	5	5	0										
EAMES-THOMPSON	21					4	4	0	0	4	4	3	4	4	0				0	3	3	3	4	0								
TETON ISLAND FEEDER	22										0	15	3	9	12	10	16	5	5	0			0	8	8	5	9	0	0	3		
ROXANA	23										0	11	1	11	11	10	9	9	8	0					0	3	0					
WOODMANSEE-JOHNSON	24																															
ISLAND WARD	25					51	49	31	14	44	32	25	53	48	41	33	31	20	0	0	0	24	26	28	10	0	0	0	27			
HEXBURG IRRIGATION	26											112	77	129	87	77	50	48	41	47	34	31	31	61	72	48	23	23	5	5		
MC CORMICK-ROWE	27											5	5	5	7	8	8	9	9	9	9	9	10	2	2	1	0					
MISCELLANEOUS	28					2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	
TOTAL BELOW ST. ANTHONY GAGE	29			20	4	7	69	71	49	16	65	223	217	276	217	202	153	147	132	123	105	100	139	152	147	77	67	57	33	64		
TOTAL TETON RIVER	30			20	73	73	189	201	179	148	129	284	274	346	287	268	213	196	181	170	150	143	180	193	179	108	98	88	68	98		

WATER DIVERSIONS FROM TETON RIVER

1956

24 HOUR SECOND-FOOT EXCEPT AS NOTED

AUGUST

SEPTEMBER

AUGUST																															SEPTEMBER																				
5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17								
11	5	13	55	55	51	51	56	56	54	53	53	53	53	52	52	52	46	46	46	46	44	44	44	44	44	44	44	44	0																						
17	15	15	14	16	16	16	16	14	12	12	12	12	12	10	10	7	7	5	5	5	5	5	5	5	4	4	4	4	0																						
3	3	3	3	3	3	3	3	1	0																																										
31	23	31	72	74	70	70	75	71	66	65	65	65	65	62	62	59	53	51	51	51	49	49	49	48	48	48	48	0																							
21	18	14	19	44	46	43	43	46	44	41	40	40	40	40	38	38	36	33	31	31	31	30	30	30	30	30	30	30	30	0																					
12	11	10	10	10	10	10	10	10	10	9	9	9	9	8	8	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
33	30	24	29	54	56	53	53	56	54	50	49	49	49	48	46	46	44	41	39	39	39	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37		
72	72	60	74	53	80	80	74	85	87	46	23	17	10	0	0	8	76	75	71	71	78	79	85	108	108	78	30	12	4	11	50	44	45	23	23	23	24	48	48	47	49	50									
15	13	15	16	12	12	12	12	12	10	16	14	15	12	10	8	8	14	10	20	18	18	15	21	19	22	20	13	11	11	8	9	9	8	7	7	7	7	9	13	13	12	11	10								
4	4	5	5	4	4	5	3	3	3	2	1	1	0			0	10	10	0	0	3	0							0	5	7	7	5	5	5	7	6	7	6												
6	1	0			0	5	2	9	17	9	0	2	4	4	0	0	4	0								0	3	3	2	2	2	0																			
2	2	4	7	6	6	5	7	7	7	6	6	6	0																																						
			0	4	3	0				0	2	2	2	2	2	1	2	2	0																																
0										0	3	0							0	6	0																														
26	25	32	43	41	41	43	0							0	26	36	43	43	39	20	16	6	0						0	15	13	20	20	6	5	5	12	10	11	4	4	5	5								
0																																																			
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0							0	2	3	3	1	1	0																							
54	47	58	73	69	68	72	26	33	39	35	25	31	20	18	36	45	73	65	66	44	37	21	23	22	28	24	18	13	28	26	36	37	20	19	18	26	27	33	19	19	19	19									
37	77	82	102	123	122	125	79	89	93	85	74	80	69	66	82	91	119	106	105	83	76	58	80	59	65	61	53	50	35	33	43	44	27	26	25	33	34	40	28	28	28	28									

⑤ 40 A.F. FROM GARNER, 20 A.F. FROM TETON IRRIGATION
⑥ TO PINCOCK GARNER

SEPTEMBER																														NO.	TOTAL		RESERVOIR ALLOTMENTS IN ACRE-FEET				
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	SECOND- FEET	ACRE- FEET	FREMONT MADISON	RENTALS	TRANSFERS	TOTAL RIGHT		HEADGATE EQUIVALENT						
56																								1	2,074	4,114	3,024										
14																								2	1,117	2,215	1,493										
																								3	27	54		① 192			3,024	4,180					
																								4	254	504		① 39			1,885	2,320					
																								5	106	210	876				39	64					
																								6	0	0	1,035				876	1,200					
																														1,035	1,422						
																														346	476						
71																								7	3,578	7,087	5,774										
46																								8	2,204	4,372					231	7,005	9,832				
0	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0	9	815	1,617	1,568										
56	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0	10	3,019	5,989	8,342				1,568	1,328					
5	4	46	23	23	23	24	48	49	47	49	55	64	64	60	60	55	55	55	92	96	92	92		11	6,103	12,105				231	8,573	10,960					
																								12	0	0	485					485	412				
9	8	7	7	7	9	13	13	12	11	10	10	10	10	10	8	8	12	12	12	14	0		13	1,114	2,209	2,938				2,938	2,497						
3	7	5	5	5	7	6	7	0																14	7	14	1,410		④ -227	1,183	1,007						
																								15	182	361	347				347	295					
																								16	0	0	151				151	128					
																								17	201	399	488				488	416					
																								18	65	129	285				285	243					
					0	2	2	2	3	3	3	2	2	2	2	2	3	3	3	4	0		19	202	401	482		⑤ 60		642	481						
																								20	47	93	137		⑥ -40		97	83					
																								21	65	129	150				180	129					
																								22	116	234	9,080				9,080	7,728					
																								23	115	228	699				699	594					
																								24	80	159	1,485				1,485	1,270					
																								25	1,214	2,407	3,686				3,686	3,135					
																								26	999	1,981	4,728				4,728	4,020					
																								27	98	194	118				118	100					
																								28	90	179	③ 100		⑦ 95		196	187					
																								29	4,597	9,117	26,781				-111	26,670	26,676				
7	20	19	18	26	27	33	19	19	19	18	17	17	12	12	10	11	15	15	16	14	0																
																								30	7,616	15,106	35,123	231			-111	35,243	35,636				
4	27	26	25	33	34	40	26	26	26	25	24	24	19	19	17	18	22	22	23	21	7	0															

- ① RENTED FROM FREMONT MADISON DISTRICT
 ② LINE 7 DIVIDED BY 1.625 AND ONE DAY LATER

- ③ R. E. RICKS
 26 A.F. TO L. ANDERSON; 70 A.F. TO BIGLER SLOUGH; 20 A.F. TO
 ④ PINCOCK GARNER; 81 A.F. TO DEWEY; 50 A.F. TO CHESTER

OWNER, 20 A.F. FROM TETON IRRIGATION
 GARNER

OPERATION OF CROSS CUT CANAL DURING 1956

24 HOUR SECOND-FEET

LOCATION	JULY																															TOTAL					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
DIVERTED AT HEAD						0	60	71	29	79	108	256	253	255	250	225	246	257	354	412	329	339	356	366	361	358	356	359	361	366	368	361	7,135				
INFLOW FROM FALL RIVER CANAL						117	16	122	122	141	92	81	56	54	52	47	46	43	34	36	28	26	20	19	18	18	18	18	18	19	18	1,279					
NORTH BRANCH DIVERSION						91	70	74	102	102	102	89	102	102	102	101	101	106	98	119	101	95	94	105	92	91	91	90	91	91	96	2,498					
MIDDLE BRANCH DIVERSION						86	17	77	99	147	118	98	117	115	109	135	121	112	117	70	95	95	85	83	84	83	103	104	103	89	86	2,548					
BELOW FALL RIVER CANAL DIVERSIONS																128	147	92	87	66	57	81	179	231	176	171	192	207	192	200	200	183	185	190	207	197	3,368
CROSS CUT AT END																100	112	76	67	54	50	72	208	191	143	145	160	162	157	157	157	143	143	148	155	150	2,740

LOCATION	AUGUST																																TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
DIVERTED AT HEAD	320	315	243	261	261	268	256	256	221	230	223	223	221	222	156	153	147	156	150	155	215	205	200	201	200	201	198	221	220	226	229	6,753	
INFLOW FROM FALL RIVER CANAL	16	15	15	16	16	15	16	16	15	20	25	24	23	22	30	26	23	22	16	16	15	15	12	13	22	24	22	36	31	33	625		
NORTH BRANCH DIVERSION	95	94	90	95	95	74	77	77	77	77	77	80	65	65	60	60	69	69	69	66	65	54	52	55	55	55	55	56	56	52	52	2,138	
MIDDLE BRANCH DIVERSION	79	88	89	91	93	111	126	104	97	76	76	76	79	75	69	88	81	99	97	105	131	78	79	78	78	79	76	83	91	79	81	2,732	
BELOW FALL RIVER CANAL DIVERSIONS	162	148	79	91	89	98	69	91	62	97	95	91	100	104	57	31	20	10	0	0	34	86	84	80	80	89	91	104	109	126	129	2,508	
CROSS CUT AT END	120	110	70	70	72	72	60	74	53	80	80	74	85	87	46	23	17	10	0	0	8	76	75	71	71	78	79	85	108	108	78	2,040	

LOCATION	SEPTEMBER																														TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
DIVERTED AT HEAD	98	88	83	92	147	143	146	119	99	111	112	117	124	123	123	123	109	122	121	119	117	117	114	114	128	124	124	125	126	124	3,532
INFLOW FROM FALL RIVER CANAL	27	29	28	24	27	24	24	24	28	28	34	39	41	39	39	30	39	42	42	40	39	36	37	37	31	31	31	30	31	30	981
NORTH BRANCH DIVERSION	45	51	51	54	58	54	54	53	52	61	51	53	53	53	53	53	53	48	48	48	48	48	48	48	0	0	0	0	0	0	1,228
MIDDLE BRANCH DIVERSION	37	51	51	60	58	58	63	58	58	58	60	61	52	52	52	52	42	42	42	42	42	42	40	40	48	48	48	48	48	45	1,498
BELOW FALL RIVER CANAL DIVERSIONS	43	15	9	2	58	55	53	32	17	30	35	42	60	57	57	48	53	74	73	69	66	63	63	63	111	107	107	107	109	109	1,787
CROSS CUT AT END	30	12	4	11	50	44	46	23	23	23	24	48	49	47	49	55	64	64	60	60	55	55	55	92	96	92	92	94	96	94	1,507

SEASON LOSS = $1,276 \div 7,663 = 16.7\%$

TOTAL INTO TETON RIVER = 6,387 S.F. = 12,700 A.F.

STREAM	MAY											JUNE																												
	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
UPPER TETON RIVER																																								
TRAIL CREEK ABOVE STRING CANAL																																								
GAME CREEK NEAR MOUTH	260																																							
STRING CANAL	104								375	375					375	375			351	375	375					375	327	303				279	355			240				
KIMBALL	30								195	165					210	240			233	195	134					165	210	180				110	106			115				
RICKS - KIRSLEY									30	40					45	60			105	114	115					131	141	158												
TOWN											16							30	34	58	48					48						48								
SPENCER											12							34	58	58	58					58						45								
HUMBLE											62							62	56							58						96								
TOMKS											80							58	58							58						46								
FOX CREEK ABOVE DIVERSIONS											22							13	18							18					18									
NORTH CANAL	120										70							90	80							67					69									
MIDDLE (VAIL)									207									207	207							222														
SOUTH																		110	98							98														
DARBY CREEK ABOVE DIVERSIONS																		45	38							46														
WINGER CANAL (WYO.)	165																	20	20							25														
HILL									388	289					306	368			308	289	270					328	308	270				174								
TODD										2								0	0							0						0								
CANNON															22	62			62							64	70	78				30								
CHERRY GROVE															30	68			68							68	68	68				56								
TETON CREEK ABOVE DIVERSIONS												21			20	56			56							65	75	90				65								
MILL CREEK															18	21			50							50	50				40									
NORTH CANAL															40	40			40							50					40									
SOUTH															10	10			10						33					33										
CENTRAL															15	30			56						92					80										
WADDELL															15	23			23						29					29										
TOTAL WYOMING DIVERSIONS															5	5			5						23					23										
GRAND TETON CANAL	130	144	160	153	193	174	160	156	149	146	148	143	130	346	287	350	385	410	390	338	343	418	425	438	453	445	445	471	382	341	240	233	314	59	312	146	158			
TETON CREEK BELOW GRAND TETON CANAL	129	312	396	515				540	530						530			418	357																					
CENTRAL CANAL (IDAHO)		20							20	40					60			76	66																					
CHRISTENSEN-CORDON									10						15				10																					
PRICE-FAIRBANKS									46						74			74	74																					
SOUTH LEIGH CREEK AT STATE LINE	216	300						550		361					300	361		361																						
LEIGH CREEK CANAL EAST OF STATE LINE	18									22						100																								
BIG HOG										46									90	66																				
LITTLE HOG										15									15	15																				
LOH FULLMER										0									0	3																				
KILPACK										0									0																					
DESERT										20									20																					
NORTH LEIGH CREEK AT FOREST BOUNDARY	209							400					400		360			337																						
NORTH CANAL	45							50							60			60																						
HUBBARD	20							20							30			30																						
SI	10							10							10			12																						
WEAVER	11							0							15			20																						
SPRING CREEK AT HIGHWAY	168	222						375		375								375	350		285		310		285		285	265		245	222		131	120	168					
TETONIA CANAL		3								5								18																						
BADGER CREEK 2 MILES EAST OF HONEYDALE SCHOOL	350							400							350			216																						
HORSESHOE CREEK															70			42																						
PACKSADDLE															80			56																						
MAHOGANY															68			40																						
NORTH TWIN															35			30																						
BOUQUET															10			8																						
GROVE															8			8																						
DRAKE															15			12																						
HENDERSON															8			6																						
SWAN VALLEY																																								
PALISADE CANAL																																								
RAINEY CREEK																																								
UPPER FALL RIVER																																								
BOOM CREEK CANAL																																								
SQUIRREL CREEK CANAL																																								
CONANT CREEK CANAL																																								
MAIN RIVER																																								
MARKET LAKE SPRINGS																																								

INCLUDES DIVERSION FROM WARM CREEK

STREAMFLOW

24 HOUR SECOND-FOOT

JULY

AUGUST

[illegible]

Year	Dec.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
193620	223660	227100	257100	307590	351010	381380	320040	259990	525840	849020	736400
194410	224470	225090	258130	309090	351670	382930	315530	260400	552020	849280	729720
195400	225090	225700	261020	312530	352770	386030	303960	261850	594780	849790	717880
196780	226920	261850	313810	353640	387580	298020	298020	263710	612650	849530	711740
197970	227940	263090	315530	354300	388470	292720	292720	266860	628680	849280	706090
198570	228760	264550	316820	354960	389130	287000	287000	269370	640470	849280	701420
199360	229370	265600	318110	355840	390240	280890	280890	273350	647680	849790	693830
200350	229980	266360	318970	356500	391350	275230	275230	277120	656150	849280	687250
200940	231000	267900	319820	357370	392460	269370	269370	278380	664870	848510	680670
201740	232430	268950	320680	358690	393120	263920	263920	278380	680420	847230	673350
202530	233450	270210	321540	360660	393120	257920	257920	276910	698970	846210	666320
203340	234260	271880	322610	362420	392240	252340	252340	272300	714440	844170	660510
204140	235900	272720	324760	363730	391570	246550	246550	728980	841880	841880	653730
204940	236510	273350	326690	364610	389360	240990	240990	743320	839340	839340	647440
205750	236920	274400	330810	365270	387140	235690	235690	758740	836030	836030	640950
206550	237530	276490	331890	366140	383820	230800	230800	770440	831700	831700	634700
207360	238340	277330	332760	366800	381600	225900	225900	778710	826870	826870	628680
208360	240180	279210	334060	367460	380270	221430	221430	790000	821520	821520	622200
209570	242220	280680	335370	368340	377840	220630	220630	800560	815210	815210	615520
210570	244690	282770	336230	370530	375620	223050	223050	810410	808390	808390	609310
212380	246140	284450	337320	372080	373850	226510	226510	817990	801570	801570	601660
213790	247170	288900	339490	373410	371640	230590	230590	822800	794760	794760	590980
214590	248000	292930	341010	374290	366800	234670	234670	827630	788490	788490	584340
215600	248830	295480	342090	375620	361100	238950	238950	838830	782470	782470	575570
216400	250270	298450	343180	376510	355620	243450	243450	846210	776240	776240	569940
218620	253580	300990	346650	377620	349920	247790	247790	849280	763220	763220	548980
220020	254820	302900	348390	378720	347740	252340	252340	849280	756240	756240	541720
221030	255860	304180	349480	379480	346800	253190	253190	849280	750270	750270	534470
222730		305660	350360					503550	743320	743320	527230

OUTSTANDING "REVENUE" FOR SEVERAL MONTHS

п р а в

1988

1871

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	255	221	213	410	230	573	1530	4180	1520
2	255	224	238	204	172	243	260	255	255
3	252	235	238	204	170	245	252	255	255
4	249	238	338	240	235	490	2520	3870	1270
5	260	243	346	180	235	490	2520	3870	1270
6	255	226	330	190	240	455	2390	3650	1240
7	255	229	300	195	240	455	2280	3090	1220
8	258	218	300	200	245	495	2430	3080	1160
9	252	235	275	210	255	3160	1100	542	542
10	246	263	296	210	260	3160	1080	536	390
11	258	292	292	220	250	718	2290	3340	1060
12	249	238	300	220	240	755	1860	3280	1040
13	246	190	300	220	240	858	1700	3240	1020
14	240	200	282	220	240	978	1560	3130	970
15	240	175	296	220	240	1180	1520	3050	938
16	240	147	300	220	245	1680	2040	2940	906
17	238	165	282	220	258	2040	2240	2500	882
18	238	178	275	220	270	2640	2240	2260	818
19	235	232	275	220	286	3050	2260	2390	794
20	240	245	272	220	289	3520	2340	2378	778
21	249	260	263	220	289	3820	2340	2370	770
22	263	278	269	230	310	4040	2000	2000	762
23	255	260	314	240	314	4290	1860	1860	762
24	240	238	390	240	390	4340	1870	1870	740
25	232	218	495	235	4850	1860	1860	1860	725
26	238	249	573	230	4580	1820	1820	1820	702
27	240	260	518	230	4180	1780	1780	1780	695
28	240	266	465	225	3800	1740	1740	1740	688
29	238	232	435	223	3650	1660	1660	1660	674
30	243	385	445		3520	1610			660
31	243	430	530		3800				

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
2	15,150	13,640	19,990	17,800	12,380	19,340	75,170	174,800	165,700
3	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
4	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
5	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
6	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
7	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
8	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
9	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
10	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
11	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
12	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
13	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
14	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
15	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
16	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
17	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
18	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
19	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
20	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
21	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
22	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
23	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
24	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
25	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
26	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
27	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
28	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
29	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
30	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785
31	21.6	22.9	32.5	28.9	21.5	31.5	1,263	2,843	2,785

Year 864
Mean 626,940
Acid-Form

534	555	612	552	401	490	1,557	2,138	1,293	815	706	679
32,830	33,000	37,640	33,970	23,040	30,100	92,660	131,500	76,920	50,090	43,410	40,410

Year	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
1	536	530	630	485	785	1970	2020	915	765
2	530	530	320	475	785	1940	1990	939	752
3	530	542	554	465	753	1940	1910	923	745
4	530	542	581	450	738	2010	1830	923	745
5	530	548	609	446	768	2230	1740	907	738
6	530	548	595	437	745	2240	1650	875	745
7	536	548	518	437	768	2240	1560	875	722
8	530	554	512	450	828	2200	1410	867	722
9	530	554	524	432	859	2210	1320	923	715
10	530	574	512	428	971	2240	1270	931	708
11	530	574	402	428	1110	2280	1240	875	700
12	530	567	512	424	1160	2230	1190	843	685
13	530	542	542	428	1340	2100	1150	828	700
14	536	560	432	441	1500	1950	1130	812	700
15	536	518	428	419	1630	1820	1110	790	692
16	536	512	398	419	1770	1770	1250	782	692
17	536	520	588	410	1770	1840	1270	782	708
18	530	530	567	410	1870	1950	1210	768	715
19	530	548	441	415	1940	2080	1130	745	708
20	530	548	450	424	2010	2200	1090	730	715
21	542	595	432	424	2110	2280	1210	730	708
22	548	548	394	437	2230	2320	1150	730	692
23	542	574	410	465	2300	2300	1100	738	670
24	530	554	441	500	2380	2330	1050	760	662
25	524	536	446	581	2300	2340	1040	738	662
26	524	536	455	675	2260	2330	995	760	670
27	524	574	465	668	2370	2310	955	745	678
28	524	588	470	645	2330	2250	947	738	685
29	542	588	495	630	2210	2190	939	752	692
30	554	554	512	675	2060	2140	923	768	700
31	554	554	652	753	2050	2050	760	700	662

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	0	0	0	7	208	80	2	4
2	0	0	0	0	7	196	78	2	3
3	0	0	0	0	7	202	72	1	3
4	0	0	0	0	9	211	65	1	3
5	0	0	0	0	11	213	60	1	3
6	0	0	0	0	12	195	59	1	3
7	0	0	0	0	14	200	54	1	3
8	0	0	0	0	16	208	51	1	3
9	0	0	0	0	18	229	49	1	2
10	0	0	0	0	22	219	46	1	2
11	0	0	0	0	19	213	40	1	2
12	0	0	0	0	14	211	38	1	2
13	0	0	0	0	12	268	36	1	2
14	0	0	0	0	8	257	32	1	2
15	0	0	0	0	7	224	29	1	2
16	0	0	0	0	14	182	26	1	2
17	0	0	0	0	20	121	24	1	2
18	0	0	0	0	38	101	22	0	2
19	0	0	0	1	52	108	20	2	0
20	0	0	0	3	65	118	18	5	0
21	0	0	0	5	90	116	14	5	0
22	0	0	0	7	121	91	12	4	0
23	0	0	0	11	154	92	10	5	0
24	0	0	0	12	149	107	8	4	0
25	0	0	0	12	147	107	7	4	0
26	0	0	0	12	133	102	6	4	0
27	0	0	0	11	126	98	5	5	0
28	0	0	0	11	121	99	4	4	0
29	0	0	0	9	156	99	4	4	0
30	0	0	0	8	152	93	3	4	0
31	0	0	0		177		2	4	0

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
03	0	0	0	0	3.40	61.2	163	31.4	2.35
04	0	0	0	0	202	3.760	9.700	1.930	145
05	0	0	0	0	202	3.760	9.700	1.930	145
06	0	0	0	0	202	3.760	9.700	1.930	145
07	0	0	0	0	202	3.760	9.700	1.930	145
08	0	0	0	0	202	3.760	9.700	1.930	145
09	0	0	0	0	202	3.760	9.700	1.930	145
10	0	0	0	0	202	3.760	9.700	1.930	145
11	0	0	0	0	202	3.760	9.700	1.930	145
12	0	0	0	0	202	3.760	9.700	1.930	145
13	0	0	0	0	202	3.760	9.700	1.930	145
14	0	0	0	0	202	3.760	9.700	1.930	145
15	0	0	0	0	202	3.760	9.700	1.930	145
16	0	0	0	0	202	3.760	9.700	1.930	145
17	0	0	0	0	202	3.760	9.700	1.930	145
18	0	0	0	0	202	3.760	9.700	1.930	145
19	0	0	0	0	202	3.760	9.700	1.930	145
20	0	0	0	0	202	3.760	9.700	1.930	145
21	0	0	0	0	202	3.760	9.700	1.930	145
22	0	0	0	0	202	3.760	9.700	1.930	145
23	0	0	0	0	202	3.760	9.700	1.930	145
24	0	0	0	0	202	3.760	9.700	1.930	145
25	0	0	0	0	202	3.760	9.700	1.930	145
26	0	0	0	0	202	3.760	9.700	1.930	145
27	0	0	0	0	202	3.760	9.700	1.930	145
28	0	0	0	0	202	3.760	9.700	1.930	145
29	0	0	0	0	202	3.760	9.700	1.930	145
30	0	0	0	0	202	3.760	9.700	1.930	145
31	0	0	0	0	202	3.760	9.700	1.930	145

YEAR
 MEAN
 21.8
 15.828
 AGED-PEET
 15.828

MEAN

[illegible]

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
81													
80													
79													
78													
77													
76													
75													
74													
73													
72													
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2													
1													

2,506	2,350	2,791	2,473	2,001	3,683	10,260	20,540	25,420	13,350	9,165	6,796
154,100	139,900	171,600	152,100	115,100	226,400	610,300	1,263,000	1,513,000	821,000	563,600	404,400

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.	2660	2640	2590	2570	2560	2570	2570	2560	2550	2560	2570	2570	2560	2550	2560	2570	2570	2560	2550	2560	2570	2570	2560	2550	2560	2570	2570	2560	2550	2560	2570
Nov.	2320	2370	2320	2230	2280	2310	2310	2280	2100	2240	2180	2240	2180	2170	1930	1840	2170	2200	2290	2290	2370	2290	2830	2860	2610	2490	2390	2340	2390	2340	2370
Dec.	2360	2370	2320	2750	2900	2040	2630	2520	2100	2450	2400	2450	2500	2520	1740	1970	2140	2200	2290	2450	2450	2290	2830	2860	4000	5480	4680	4360	3910	3000	3050
Jan.	3100	3050	1650	1700	1800	1980	2050	2020	2050	2350	2400	2050	2000	2500	2500	2500	2500	1930	1930	2000	2050	2120	3590	3700	3890	4810	6830	6750	6420	6420	1900
Feb.	1660	2200	6920	6680	2250	2120	2080	2020	2020	2220	7860	8240	2250	2900	3300	3450	3600	3550	3460	3500	13400	12600	23800	23800	24600	25700	26600	29200	29200	28900	28700
Mar.	2200	2250	6540	6710	6860	6600	6510	6710	6710	17200	18900	19200	18300	17200	16500	16600	17900	19600	21400	22900	13400	12600	23800	23800	24600	25700	26600	29200	29200	28900	28700
Apr.	7100	6920	30800	31600	31800	31700	31700	30500	30000	29900	29800	29200	29000	28900	28700	28000	27100	25500	23800	22000	13400	12600	23800	23800	24600	25700	26600	29200	29200	28900	28700
May	11200	11600	13200	15200	15800	15700	15600	15800	16500	17200	18900	19200	18300	17200	16500	16600	17900	19600	21400	22900	13400	12600	23800	23800	24600	25700	26600	29200	29200	28900	28700
June	29200	30000	31600	31800	31700	31700	31700	30500	30000	29900	29800	29200	29000	28900	28700	28000	27100	25500	23800	22000	13400	12600	23800	23800	24600	25700	26600	29200	29200	28900	28700
July	19000	18300	16600	15100	14300	14300	13900	13500	13600	13700	13500	13200	13500	13100	12700	12400	12600	12300	12200	12400	12400	12700	12700	12800	12500	12100	12000	11500	11500	11600	11200
Aug.	11100	10800	10500	10100	9680	9490	9300	9170	9270	9300	9170	9080	8980	8920	8950	8790	8660	8500	8370	8400	8400	8370	8400	8400	8820	9240	9240	9300	9520	9400	8180
Sept.	8150	8310	8310	8310	8340	8630	8820	8660	8470	83																					

2,818	2,716	3,135	2,763	2,196	3,899	11,140	21,720	26,340	13,940	9,673	7,407
173,300	161,600	192,700	169,900	126,300	239,700	662,800	1,336,000	1,568,000	857,300	594,800	440,700

YEAR
 MEAN
 ACRE-FEET
 8,985
 6,523,100

Day	Dec.	Nov.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2950	2880	2870	2700	2680	2660	2640	2620	2820	2880	2900
2	2870	2840	2640	2550	2660	2700	2700	2700	2700	2700	2700
3	2820	2820	2660	2550	2680	2720	2720	2720	2720	2720	2720
4	2820	2820	2660	2550	2680	2720	2720	2720	2720	2720	2720
5	2820	2820	2660	2550	2680	2720	2720	2720	2720	2720	2720
6	2880	2880	2700	2700	2700	2700	2700	2700	2700	2700	2700
7	2900	2900	2700	2700	2700	2700	2700	2700	2700	2700	2700
8	2860	2860	2660	2550	2660	2700	2700	2700	2700	2700	2700
9	2840	2840	2640	2550	2660	2700	2700	2700	2700	2700	2700
10	2810	2810	2610	2500	2610	2650	2650	2650	2650	2650	2650
11	2860	2860	2660	2550	2660	2700	2700	2700	2700	2700	2700
12	2860	2860	2660	2550	2660	2700	2700	2700	2700	2700	2700
13	2840	2840	2640	2550	2660	2700	2700	2700	2700	2700	2700
14	2820	2820	2620	2500	2610	2650	2650	2650	2650	2650	2650
15	2800	2800	2600	2500	2610	2650	2650	2650	2650	2650	2650
16	2780	2780	2580	2480	2590	2630	2630	2630	2630	2630	2630
17	2760	2760	2560	2460	2570	2610	2610	2610	2610	2610	2610
18	2760	2760	2560	2460	2570	2610	2610	2610	2610	2610	2610
19	2760	2760	2560	2460	2570	2610	2610	2610	2610	2610	2610
20	2760	2760	2560	2460	2570	2610	2610	2610	2610	2610	2610
21	2780	2780	2580	2480	2590	2630	2630	2630	2630	2630	2630
22	2880	2880	2680	2580	2690	2730	2730	2730	2730	2730	2730
23	2900	2900	2700	2600	2710	2750	2750	2750	2750	2750	2750
24	2860	2860	2660	2560	2670	2710	2710	2710	2710	2710	2710
25	2800	2800	2600	2500	2610	2650	2650	2650	2650	2650	2650
26	2740	2740	2540	2440	2550	2590	2590	2590	2590	2590	2590
27	2760	2760	2560	2460	2570	2610	2610	2610	2610	2610	2610
28	2740	2740	2540	2440	2550	2590	2590	2590	2590	2590	2590
29	2760	2760	2560	2460	2570	2610	2610	2610	2610	2610	2610
30	2760	2760	2560	2460	2570	2610	2610	2610	2610	2610	2610
31	2760	2760	2560	2460	2570	2610	2610	2610	2610	2610	2610

Year	Mean	Acid-Test	Period
1900	10.0	10.0	1900-1901
1901	10.0	10.0	1901-1902
1902	10.0	10.0	1902-1903
1903	10.0	10.0	1903-1904
1904	10.0	10.0	1904-1905
1905	10.0	10.0	1905-1906
1906	10.0	10.0	1906-1907
1907	10.0	10.0	1907-1908
1908	10.0	10.0	1908-1909
1909	10.0	10.0	1909-1910
1910	10.0	10.0	1910-1911
1911	10.0	10.0	1911-1912
1912	10.0	10.0	1912-1913
1913	10.0	10.0	1913-1914
1914	10.0	10.0	1914-1915
1915	10.0	10.0	1915-1916
1916	10.0	10.0	1916-1917
1917	10.0	10.0	1917-1918
1918	10.0	10.0	1918-1919
1919	10.0	10.0	1919-1920
1920	10.0	10.0	1920-1921
1921	10.0	10.0	1921-1922
1922	10.0	10.0	1922-1923
1923	10.0	10.0	1923-1924
1924	10.0	10.0	1924-1925
1925	10.0	10.0	1925-1926
1926	10.0	10.0	1926-1927
1927	10.0	10.0	1927-1928
1928	10.0	10.0	1928-1929
1929	10.0	10.0	1929-1930
1930	10.0	10.0	1930-1931
1931	10.0	10.0	1931-1932
1932	10.0	10.0	1932-1933
1933	10.0	10.0	1933-1934
1934	10.0	10.0	1934-1935
1935	10.0	10.0	1935-1936
1936	10.0	10.0	1936-1937
1937	10.0	10.0	1937-1938
1938	10.0	10.0	1938-1939
1939	10.0	10.0	1939-1940
1940	10.0	10.0	1940-1941
1941	10.0	10.0	1941-1942
1942	10.0	10.0	1942-1943
1943	10.0	10.0	1943-1944
1944	10.0	10.0	1944-1945
1945	10.0	10.0	1945-1946
1946	10.0	10.0	1946-1947
1947	10.0	10.0	1947-1948
1948	10.0	10.0	1948-1949
1949	10.0	10.0	1949-1950
1950	10.0	10.0	1950-1951
1951	10.0	10.0	1951-1952
1952	10.0	10.0	1952-1953
1953	10.0	10.0	1953-1954
1954	10.0	10.0	1954-1955
1955	10.0	10.0	1955-1956
1956	10.0	10.0	1956-1957
1957	10.0	10.0	1957-1958
1958	10.0	10.0	1958-1959
1959	10.0	10.0	1959-1960
1960	10.0	10.0	1960-1961
1961	10.0	10.0	1961-1962
1962	10.0	10.0	1962-1963
1963	10.0	10.0	1963-1964
1964	10.0	10.0	1964-1965
1965	10.0	10.0	1965-1966
1966	10.0	10.0	1966-1967
1967	10.0	10.0	1967-1968
1968	10.0	10.0	1968-1969
1969	10.0	10.0	1969-1970
1970	10.0	10.0	1970-1971
1971	10.0	10.0	1971-1972
1972	10.0	10.0	1972-1973
1973	10.0	10.0	1973-1974
1974	10.0	10.0	1974-1975
1975	10.0	10.0	1975-1976
1976	10.0	10.0	1976-1977
1977	10.0	10.0	197

[illegible]

* Interpolated

[illegible]

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

Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1938	12.0	est. 9.0	est. 9.3	est. 11	est. 13	est. 14.5	15.0	14.7	21.0	55.6	115	45.5
1939	738	536	571	676	748	893	893	902	1,250	3,420	7,060	2,710

Year 26.1
Mean 20,397
Acres 20,397

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	
1	27115	32375	58080	72070	99210	108800	110370	133590	137070	133030	97875	83520
2	27095	33510	59990	72235	100420	108875	110515	134235	136745	133110	95825	83450
3	27075	34605	60810	73260	101300	108875	110585	134745	136340	133110	95105	83450
4	27055	35500	61640	74355	102185	108875	110655	135045	136340	133110	94390	83270
5	27055	36450	62430	75410	102940	108945	110655	135530	135770	133030	93610	82850
6	27055	37195	63375	76360	103560	108945	110730	135770	135690	133030	92900	82200
7	27055	38015	64190	77260	104180	109015	110800	135770	135530	132950	92195	81430
8	27075	38850	65065	78230	104800	109085	111015	135690	135045	132950	91490	80780
9	27075	39675	65895	79150	105565	109085	111015	135690	134960	131990	90795	80195
10	27095	40615	66740	79845	106475	109085	111160	136175	134555	130640	90100	79965
11	27095	41420	67595	80780	106615	109085	111305	136260	134555	129615	89405	80020
12	27095	42270	68460	81605	106825	109155	111735	136260	134155	128360	88655	79905
13	27115	43040	69285	82675	107175	109230	112025	136015	134155	127655	87970	79845
14	27380	43930	69910	83810	107175	109300	112310	135855	134155	126485	87410	79730
15	28975	44800	69700	84960	107315	109370	113040	135770	134155	125320	86790	79615
16	29810	45315	69700	85870	107385	109370	113620	135450	134155	123935	86605	79615
17	30700	46215	69545	86730	107455	109440	114280	135450	134075	121650	86420	79615
18	31560	47095	69440	87720	107525	109440	114865	135365	133910	118860	86235	79675
19	32515	48180	69595	88590	107670	109515	115965	135770	133750	116410	86055	79615
20	32495	49135	69595	89470	107880	109585	117220	135855	133910	113985	85810	79675
21	32565	49965	69700	90350	107880	109585	118485	135855	133910	112170	85565	79675
22	32565	51115	69700	91300	107950	109655	119835	136175	133750	110440	85325	79845
23	32565	52050	70745	92195	108090	109725	121500	136500	133910	108590	84960	79845
24	32495	53045	71275	93160	108165	109800	123250	136905	133750	107175	85325	79790
25	32470	53815	71540	94065	108305	109870	125010	137150	133670	105705	85080	79790
26	32470	54675	71750	95040	108445	109940	127185	137230	133590	104455	84840	79730
27	32470	55510	71750	95895	108520	110015	130090	137230	133430	103145	84415	79675
28	32445	56350	71750	96750	110155	110155	131670	137230	133350	101575	83950	79905
29	32445	57165	71750	97545	110230	110230	132870	137475	133350	100355	83950	80020
30	32375											
31												

Year
or
Period
Mean
Acid-Test

23,780	2,280	11,750	2,650	12,840	21,580	20,570	57,180	43,350	64,420	50,890	33,450
387	38.3	21.0	43.1	223	351	346	930	729	1,048	828	562

YEAR	MEAN	ACRE-REV.
1979	479	347,740

Month	Day	Time	Temp	Wind	Dir	Hum	Pres	Cloud	Vis	Remarks
Oct	1	509	37.9	4.50	10	35.1	35.1	10	10	5.43
	2	486	4.2	20	35.1	35.1	10	10	10	5.43
	3	486	4.2	20	35.1	35.1	10	10	10	5.43
	4	486	4.2	20	35.1	35.1	10	10	10	5.43
	5	486	4.2	20	35.1	35.1	10	10	10	5.43
	6	486	4.2	20	35.1	35.1	10	10	10	5.43
	7	481	4.2	20	35.1	35.1	10	10	10	5.43
	8	468	4.2	20	35.1	35.1	10	10	10	5.43
	9	468	4.2	20	35.1	35.1	10	10	10	5.43
	10	468	4.2	20	35.1	35.1	10	10	10	5.43
	11	463	4.2	20	35.1	35.1	10	10	10	5.43
	12	463	20	30.3	35.1	35.1	10	10	10	6.74
	13	463	20	32.9	35.1	35.1	10	10	10	6.20
	14	250	20	35.1	35.1	35.1	10	10	10	5.38
	15	23	20	35.1	35.1	35.1	10	10	10	5.38
	16	23	20	31.2	35.1	35.1	10	10	10	5.33
	17	23	20	4.58	35.1	35.1	10	10	10	5.00
	18	23	20	4.58	35.1	35.1	10	10	10	4.90
	19	23	20	4.58	35.1	35.1	10	10	10	4.90
	20	316	20	4.58	35.1	35.1	10	10	10	4.90
	21	463	20	4.58	35.1	35.1	10	10	10	4.90
	22	463	20	4.58	35.1	35.1	10	10	10	4.90
	23	463	20	4.58	35.1	35.1	10	10	10	4.90
	24	463	20	4.58	35.1	35.1	10	10	10	4.86
	25	463	20	4.58	35.1	35.1	10	10	10	4.81
	26	463	20	4.50	35.1	35.1	10	10	10	4.76
	27	463	20	4.50	35.1	35.1	10	10	10	4.76
	28	463	20	4.50	35.1	35.1	10	10	10	4.75
	29	463	20	4.50	35.1	35.1	10	10	10	4.75
	30	463	20	4.50	35.1	35.1	10	10	10	4.75
	31	463	20	4.50	35.1	35.1	10	10	10	4.75

1,036	712	958	741	906	1,068	1,701	2,671	1,722	1,887	1,535	1,272
63,700	42,350	58,890	45,530	52,130	65,650	101,200	164,200	102,400	116,000	94,390	75,670

[illegible]

Year	Mean	Acres-Fert	Period
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[illegible]

* Interpolated
Estimated

[illegible]

25,580	29,090	31,590	28,260	22,480	24,800	53,390	152,100	149,300	55,330	38,210	39,290
616	489	514	460	391	403	897	2,474	2,509	900	621	660

Year	Mean	Acres-Fruit
895	64.9	720

415	425	511	506	380	390	445	1230	3140	1180	633	678
415	445	445	511	380	390	390	435	435	1530	610	699
410	465	465	480	390	390	495	1620	3430	1260	626	699
415	470	470	485	506	395	506	1960	3290	1180	633	685
410	450	450	490	410	400	490	2020	3030	1110	626	678
405	445	445	480	485	400	375	2090	430	1100	614	678
405	470	470	490	475	400	375	2310	2310	1070	607	672
400	475	475	475	395	395	445	2780	2780	1030	600	672
400	460	460	475	390	390	475	2470	2720	1000	600	692
470	475	475	475	385	385	522	2300	2780	952	607	706
415	475	475	475	390	390	555	1940	2890	938	607	713
405	420	420	460	395	385	581	1680	2970	945	614	692
400	410	410	425	395	385	640	1580	2800	900	620	692
400	400	400	430	390	385	744	1690	2800	848	620	672
400	465	465	480	390	387	828	1940	2760	804	626	640
396	465	465	490	385	390	820	2230	2760	804	633	652
391	391	391	391	385	395	888	2500	1890	748	620	626
391	522	522	495	400	405	985	2740	1900	727	626	620
485	594	594	490	388	405	1100	2930	2130	713	633	620
445	718	718	480	390	400	1250	3160	2390	706	607	614
475	588	588	533	395	405	1410	3350	2080	699	600	614
445	538	538	666	395	420	1480	3440	1700	594	607	607
415	528	528	737	395	435	1650	3480	1780	581	588	626
410	516	516	626	390	450	1570	3410	2050	588	588	633
415	516	516	581	390	465	1490	3490	1880	594	620	614
425	511	511	581	390	450	1630	3390	1800	633	614	666
415	506	506	550	390	440	1610	3290	1800	678	666	666
410	511	511	410	390	430	1480	3260	1700	659	685	685
420	506	506	400	390	425	3080	3140	1690	646	659	659
420	511	511	420	430	475	3080	3140	1690	626	646	646

PERIOD

MIAN

AGRICULTURE
336,060

1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576	1575	1574	1573	1572	1571	1570	1569	1568	1567	1566	1565	1564	1563	1562	1561	1560	1559	1558	1557	1556	1555	1554	1553	1552	1551	1550	1549	1548	1547	1546	1545	1544	1543	1542	1541	1540	1539	1538	1537	1536	1535	1534	1533	1532	1531	1530	1529	1528	1527	1526	1525	1524	1523	1522	1521	1520	1519	1518	1517	1516	1515	1514	1513	1512	1511	1510	1509	1508	1507	1506	1505	1504	1503	1502	1501	1500	1499	1498	1497	1496	1495	1494	1493	1492	1491	1490	1489	1488	1487	1486	1485	1484	1483	1482	1481	1480	1479	1478	1477	1476	1475	1474	1473	1472	1471	1470	1469	1468	1467	1466	1465	1464	1463	1462	1461	1460	1459	1458	1457	1456	1455	1454	1453	1452	1451	1450	1449	1448	1447	1446	1445	1444	1443	1442	1441	1440	1439	1438	1437	1436	1435	1434	1433	1432	1431	1430	1429	1428	1427	1426	1425	1424	1423	1422	1421	1420	1419	1418	1417	1416	1415	1414	1413	1412	1411	1410	1409	1408	1407	1406	1405	1404	1403	1402	1401	1400	1399	1398	1397	1396	1395	1394	1393	1392	1391	1390	1389	1388	1387	1386	1385	1384	1383	1382	1381	1380	1379	1378	1377	1376	1375	1374	1373	1372	1371	1370	1369	1368	1367	1366	1365	1364	1363	1362	1361	1360	1359	1358	1357	1356	1355	1354	1353	1352	1351	1350	1349	1348	1347	1346	1345	1344	1343	1342	1341	1340	1339	1338	1337	1336	1335	1334	1333	1332	1331	1330	1329	1328	1327	1326	1325	1324	1323	1322	1321	1320	1319	1318	1317	1316	1315	1314	1313	1312	1311	1310	1309	1308	1307	1306	1305	1304	1303	1302	1301	1300	1299	1298	1297	1296	1295	1294	1293	1292	1291	1290	1289	1288	1287	1286	1285	1284	1283	1282	1281	1280	1279	1278	1277	1276	1275	1274	1273	1272	1271	1270	1269	1268	1267	1266	1265	1264	1263	1262	1261	1260	1259	1258	1257	1256	1255	1254	1253	1252	1251	1250	1249	1248	1247	1246	1245	1244	1243	1242	1241	1240	1239	1238	1237	1236	1235	1234	1233	1232	1231	1230	1229	1228	1227	1226	1225	1224	1223	1222	1221	1220	1219	1218	1217	1216	1215	1214	1213	1212	1211	1210	1209	1208	1207	1206	1205	1204	1203	1202	1201	1200	1199	1198	1197	1196	1195	1194	1193	1192	1191	1190	1189	1188	1187	1186	1185	1184	1183	1182	1181	1180	1179	1178	1177	1176	1175	1174	1173	1172	1171	1170	1169	1168	1167	1166	1165	1164	1163	1162	1161	1160	1159	1158	1157	1156	1155	1154	1153	1152	1151	1150	1149	1148	1147	1146	1145	1144	1143	1142	1141	1140	1139	1138	1137	1136	1135	1134	1133	1132	1131	1130	1129	1128	1127	1126	1125	1124	1123	1122	1121	1120	1119	1118	1117	1116	1115	1114	1113	1112	1111	1110	1109	1108	1107	1106	1105	1104	1103	1102	1101	1100	1099	1098	1097	1096	1095	1094	1093	1092	1091	1090	1089	1088	1087	1086	1085	1084	1083	1082	1081	1080	1079	1078	1077	1076	1075	1074	1073	1072	1071	1070	1069	1068	1067	1066	1065	1064	1063	1062	1061	1060	1059	1058	1057	1056	1055	1054	1053	1052	1051	1050	1049	1048	1047	1046	1045	1044	1043	1042	1041	1040	1039	1038	1037	1036	1035	1034	1033	1032	1031	1030	1029	1028	1027	1026	1025	1024	1023	1022	1021	1020	1019	1018	1017	1016	1015	1014	1013	1012	1011	1010	1009	1008	1007	1006	1005	1004	1003	1002	1001	1000	999	998	997	996	995	994	993	992	991	990	989	988	987	986	985	984	983	982	981	980	979	978	977	976	975	974	973	972	971	970	969	968	967	966	965	964	963	962	961	960	959	958	957	956	955	954	953	952	951	950	949	948	947	946	945	944	943	942	941	940	939	938	937	936	935	934	933	932	931	930	929	928	927	926	925	924	923	922	921	920	919	918	917	916	915	914	913	912	911	910	909	908	907	906	905	904	903	902	901	900	899	898	897	896	895	894	893	892	891	890	889	888	887	886	885	884	883	882	881	880	879	878	877	876	875	874	873	872	871	870	869	868	867	866	865	864	863	862	861	860	859	858	857	856	855	854	853	852	851	850	849	848	847	846	845	844	843	842	841	840	839	838	837	836	835	834	833	832	831	830	829	828	827	826	825	824	823	822	821	820	819	818	817	816	815	814	813	812	811	810	809	808	807	806	805	804	803	802	801	800	799	798	797	796	795	794	793	792	791	790	789	788	787	786	785	784	783	782	781	780	779	778	777	776	775	774	773	772	771	770	769	768	767	766	765	764	763	762	761	760	759	758	757	756	755	754	753	752	751	750	749	748	747	746	745	744	743	742	741	740	739	738	737	736	735	734	733	732	731	730	729	728	727	726	725	724	723	722	721	720	719	718	717	716	715	714	713	712	711	710	709	708	707	706	705	704	703	702	701	700	699	698	697	696	695	694	693	692	691	690	689	688	687	686	685	684	683	682	681	680	679	678	677	676	675	674	673	672	671	670	669	668	667	666	665	664	663	662	661	660	659	658	657	656	655	654	653	652	651	650	649	648	647	646	645	644	643	642	641	640	639	638	637	636	635	634	633	632	631	630	629	628	627	626	625	624	623	622	621	620	619	618	617	616	615	614	613	612	611	610	609	608	607	606	605	604	603	602	601	600	599	598	597	596	595	594	593	592	591	590	589	588	587	586	585	584	583	582	581	580	579	578	577	576	575	574	573	572	571	570	569	568	567	566	565	564	563	562	561	560	559	558	557	556	555	554	553
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Year
Period
Mean
Acres-Feet
618,210

1.144	919	1,230	2,705	4,181	257,100	160,900	75,630	56,540	68,070
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Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Total
1	3010	3010	3110	3490	4100	4110	4430	4220	1350	941	1110
2	3010	3010	3110	3490	4100	4110	4430	4220	1440	953	1050
3	3010	3010	3110	3490	4100	4110	4430	4220	1930	963	1060
4	3490	3490	3490	3490	4100	4100	4100	4100	1740	941	1030
5	4170	4170	4170	4170	4170	4170	4170	4170	1600	910	1010
6	4430	4430	4430	4430	4430	4430	4430	4430	1420	930	1120
7	4430	4430	4430	4430	4430	4430	4430	4430	1380	900	1260
8	5180	5180	5180	5180	5180	5180	5180	5180	1170	880	1320
9	5080	5080	5080	5080	5080	5080	5080	5080	941	900	1340
10	4980	4980	4980	4980	4980	4980	4980	4980	1290	880	1350
11	4840	4840	4840	4840	4840	4840	4840	4840	1400	910	1300
12	4460	4460	4460	4460	4460	4460	4460	4460	1040	941	1290
13	3820	3820	3820	3820	3820	3820	3820	3820	1120	974	1240
14	3320	3320	3320	3320	3320	3320	3320	3320	890	996	1160
15	3320	3320	3320	3320	3320	3320	3320	3320	900	974	1170
16	3530	3530	3530	3530	3530	3530	3530	3530	941	910	1160
17	3750	3750	3750	3750	3750	3750	3750	3750	952	910	1160
18	3940	3940	3940	3940	3940	3940	3940	3940	1220	870	1120
19	4100	4100	4100	4100	4100	4100	4100	4100	1400	880	1140
20	4200	4200	4200	4200	4200	4200	4200	4200	1500	930	1090
21	4330	4330	4330	4330	4330	4330	4330	4330	1490	840	1090
22	4570	4570	4570	4570	4570	4570	4570	4570	1260	860	1040
23	4490	4490	4490	4490	4490	4490	4490	4490	1220	840	900
24	4430	4430	4430	4430	4430	4430	4430	4430	1280	758	1090
25	4520	4520	4520	4520	4520	4520	4520	4520	1120	758	1110
26	4600	4600	4600	4600	4600	4600	4600	4600	1020	785	1100
27	4600	4600	4600	4600	4600	4600	4600	4600	1020	840	1050
28	4570	4570	4570	4570	4570	4570	4570	4570	1020	1100	1140
29	4600	4600	4600	4600	4600	4600	4600	4600	1040	1140	1160
30	4460	4460	4460	4460	4460	4460	4460	4460	1060	1040	1160
31	4250	4250	4250	4250	4250	4250	4250	4250	974	1040	1160

[illegible]

DECEMBER
XXXX
PERIOD

MEAN

ACR-FAST

30,990

[illegible][illegible]

Year
or
Period
Mean
Acres-Feet
323,950
446

Year	Acres-Feet	Year	Acres-Feet	Year	Acres-Feet	Year	Acres-Feet	Year	Acres-Feet	Year	Acres-Feet
1920	270	1919	288	1918	235	1917	300	1916	280	1915	175
1914	266	1913	279	1912	204	1911	260	1910	180	1909	180
1908	262	1907	279	1906	310	1905	220	1904	250	1903	185
1902	266	1901	292	1900	292	1899	240	1898	185	1897	180
1896	283	1895	292	1894	270	1893	238	1892	185	1891	180
1890	262	1889	262	1888	230	1887	185	1886	180	1885	180
1884	266	1883	160	1882	200	1881	185	1880	180	1879	180
1878	262	1877	280	1876	329	1875	230	1874	200	1873	205
1872	296	1871	408	1870	260	1869	230	1868	200	1867	180
1866	310	1865	577	1864	280	1863	225	1862	205	1861	230
1860	324	1859	583	1858	340	1857	225	1856	210	1855	265
1854	314	1853	354	1852	600	1851	225	1850	205	1849	420
1848	292	1847	274	1846	700	1845	220	1844	180	1843	600
1842	283	1841	262	1840	600	1839	220	1838	180	1837	759
1836	274	1835	234	1834	540	1833	220	1832	180	1831	801
1830	283	1829	238	1828	470	1827	220	1826	180	1825	661
1824	288	1823	250	1822	410	1821	210	1820	180	1819	466
1818	288	1817	250	1816	375	1815	205	1814	205	1813	443
1812	288	1811	246	1810	360	1809	200	1808	200	1807	408
1806	292	1805	292	1804	340	1803	180	1802	545	1801	545

1	270	258	246	320	160	180	180	472	466	1410	837	545	123
2	266	305	225	280	175	180	180	359	437	1510	858	539	402
3	262	279	204	260	180	180	180	354	454	1480	866	515	386
4	266	310	220	250	185	180	180	386	466	1340	808	515	380
5	283	292	235	240	185	180	180	354	490	1240	787	515	380
6	283	292	270	238	185	180	180	339	490	1020	752	502	380
7	292	270	245	230	185	180	180	397	490	822	731	490	380
8	283	262	245	230	185	180	180	425	502	808	717	490	380
9	274	262	245	230	180	180	180	472	521	851	703	484	380
10	266	279	245	250	190	180	180	472	521	851	703	484	380
11	279	296	250	279	180	180	180	490	558	924	703	484	402
12	292	254	250	265	205	180	180	454	564	984	703	478	413
13	274	191	240	260	210	180	180	443	552	1010	703	466	402
14	270	170	220	240	216	180	180	425	566	1020	675	460	397
15	270	165	195	230	200	180	180	443	584	1010	648	460	380
16	266	160	190	230	190	180	180	437	572	1060	642	454	375
17	262	210	200	230	185	190	180	443	572	1020	622	460	364
18	262	280	220	230	190	195	195	431	515	917	609	448	359
19	262	329	240	230	195	200	200	425	515	837	602	443	364
20	296	408	260	230	212	200	200	431	583	822	583	443	359
21	310	577	280	225	205	205	205	448	773	977	583	437	349
22	324	583	340	225	210	205	205	472	947	1090	596	425	349
23	314	354	600	225	205	205	205	502	939	939	577	419	349
24	292	274	700	220	180	180	180	564	873	895	564	413	349
25	283	262	600	220	180	180	180	552	895	895	564	408	344
26	274	234	540	220	180	180	180	539	895	895	552	408	344
27	283	238	470	220	180	180	180	545	880	880	545	413	344
28	296	250	410	210	180	180	180	589	880	880	539	431	344
29	288	250	375	205	180	180	180	577	873	873	539	425	349
30	288	246	360	200	180	180	180	502	858	858	552	419	349
31	292	292	340	180	545	545	545	1400	1400	1400	545	413	349

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
1500	1480	1460	1400	1420	1470	1490	1420	1400	1370	1400	1410	1400	1330	1490	1210	998	974	1990	1020	1160	1580	1800	1860	1900	1910	1980	1990	1980	1990	2070
2080	2030	1600	1580	1690	1480	1370	1470	1470	1440	1630	1610	1400	1330	1100	742	1080	1580	1990	1990	2020	2260	2760	3780	4120	3460	1610	2980	1300	1250	1150
2480	2350	1000	1150	1250	2140	1840	1660	1450	1420	1380	1600	1650	1750	1750	1700	1670	1890	1870	1840	1860	1940	3530	4640	4220	4090	2790	2700	1700	1700	1700
932	1700	1700	1700	1700	1680	1680	1660	1700	1750	1750	1600	1650	1750	1750	2100	2330	2550	2750	2980	3280	3530	3860	3970	4220	4090	2790	2700	1700	1700	1700
2220	2160	1980	1890	1850	1840	1840	1660	1700	1750	1750	1900	2050	1990	2020	2100	2330	2550	2750	2980	3280	3530	3860	3970	4220	4090	2790	2700	1700	1700	1700
3550	3420	3330	3440	3780	3780	5040	5010	5040	5150	5220	5150	5220	4880	4190	3500	3250	3480	3810	4130	4370	4640	4910	5110	5310	5490	3830	4010	3970	3900	3900
5570	5490	5620	5670	5530	5210	3130	3090	3130	3190	3340	3190	3340	3560	3690	3530	3810	4240	4120	3420	3190	3590	3500	2970	2850	3020	2880	2550	2320	2110	2110
2020	2000	2680	2960	2780	2350	1020	1270	1020	1330	1190	1330	1060	1040	1040	914	878	797	1080	1270	1370	1440	1330	1350	1310	1140	1070	1110	1110	1300	1330
1330	1350	1260	1140	1040	1040	968	914	968	968	1030	968	1060	1140	1120	1170	1180	1160	1130	1100	1110	1060	1030	956	902	896	950	1090	1440	1400	1290
1290	1310	1160	1160	1040	1040	1380	1360	1380	1380	1420	1420	1440	1530	1510	1510	1530	1500	1470	1430	1420	1340	1300	1250	1280	1470	1480	1460	1580	1580	1580

MEAN	AGE	1,539	1,589	2,032	1,577	1,553	1,960	2,689	4,547	3,760	1,451	1,102	1,372
MEAN	AGE	1,539	1,589	2,032	1,577	1,553	1,960	2,689	4,547	3,760	1,451	1,102	1,372

YEAR
 XXXX
 MEAN
 2,098
 AGE-SEX
 1,522,970

Year	Mean	7,799
1975	2,358	175,000
1976	3,401	202,400
1977	4,430	272,400
1978	4,122	253,400
1979	2,816	162,000
1980	5,130	315,400
1981	12,930	769,600
1982	20,270	1,246,000
1983	22,660	1,348,000
1984	7,236	444,900
1985	4,585	281,900
1986	3,699	220,100

10%	333	233	173	99.6	194	385	106	74.5	22.1	40.7	75.8
6.390	19.820	11.320	10.660	5.730	11.950	22.910	6.520	4.430	1.360	2.500	4.510

[illegible]

Area	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576	1575	1574	1573	1572	1571	1570	1569	1568	1567	1566	1565	1564	1563	1562	1561	1560	1559	1558	1557	1556	1555	1554	1553	1552	1551	1550	1549	1548	1547	1546	1545	1544	1543	1542	1541	1540	1539	1538	1537	1536	1535	1534	1533	1532	1531	1530	1529	1528	1527	1526	1525	1524	1523	1522	1521	1520	1519	1518	1517	1516	1515	1514	1513	1512	1511	1510	1509	1508	1507	1506	1505	1504	1503	1502	1501	1500	1499	1498	1497	1496	1495	1494	1493	1492	1491	1490	1489	1488	1487	1486	1485	1484	1483	1482	1481	1480	1479	1478	1477	1476	1475	1474	1473	1472	1471	1470	1469	1468	1467	1466	1465	1464	1463	1462	1461	1460	1459	1458	1457	1456	1455	1454	1453	1452	1451	1450	1449	1448	1447	1446	1445	1444	1443	1442	1441	1440	1439	1438	1437	1436	1435	1434	1433	1432	1431	1430	1429	1428	1427	1426	1425	1424	1423	1422	1421	1420	1419	1418	1417	1416	1415	1414	1413	1412	1411	1410	1409	1408	1407	1406	1405	1404	1403	1402	1401	1400	1399	1398	1397	1396	1395	1394	1393	1392	1391	1390	1389	1388	1387	1386	1385	1384	1383	1382	1381	1380	1379	1378	1377	1376	1375	1374	1373	1372	1371	1370	1369	1368	1367	1366	1365	1364	1363	1362	1361	1360	1359	1358	1357	1356	1355	1354	1353	1352	1351	1350	1349	1348	1347	1346	1345	1344	1343	1342	1341	1340	1339	1338	1337	1336	1335	1334	1333	1332	1331	1330	1329	1328	1327	1326	1325	1324	1323	1322	1321	1320	1319	1318	1317	1316	1315	1314	1313	1312	1311	1310	1309	1308	1307	1306	1305	1304	1303	1302	1301	1300	1299	1298	1297	1296	1295	1294	1293	1292	1291	1290	1289	1288	1287	1286	1285	1284	1283	1282	1281	1280	1279	1278	1277	1276	1275	1274	1273	1272	1271	1270	1269	1268	1267	1266	1265	1264	1263	1262	1261	1260	1259	1258	1257	1256	1255	1254	1253	1252	1251	1250	1249	1248	1247	1246	1245	1244	1243	1242	1241	1240	1239	1238	1237	1236	1235	1234	1233	1232	1231	1230	1229	1228	1227	1226	1225	1224	1223	1222	1221	1220	1219	1218	1217	1216	1215	1214	1213	1212	1211	1210	1209	1208	1207	1206	1205	1204	1203	1202	1201	1200	1199	1198	1197	1196	1195	1194	1193	1192	1191	1190	1189	1188	1187	1186	1185	1184	1183	1182	1181	1180	1179	1178	1177	1176	1175	1174	1173	1172	1171	1170	1169	1168	1167	1166	1165	1164	1163	1162	1161	1160	1159	1158	1157	1156	1155	1154	1153	1152	1151	1150	1149	1148	1147	1146	1145	1144	1143	1142	1141	1140	1139	1138	1137	1136	1135	1134	1133	1132	1131	1130	1129	1128	1127	1126	1125	1124	1123	1122	1121	1120	1119	1118	1117	1116	1115	1114	1113	1112	1111	1110	1109	1108	1107	1106	1105	1104	1103	1102	1101	1100	1099	1098	1097	1096	1095	1094	1093	1092	1091	1090	1089	1088	1087	1086	1085	1084	1083	1082	1081	1080	1079	1078	1077	1076	1075	1074	1073	1072	1071	1070	1069	1068	1067	1066	1065	1064	1063	1062	1061	1060	1059	1058	1057	1056	1055	1054	1053	1052	1051	1050	1049	1048	1047	1046	1045	1044	1043	1042	1041	1040	1039	1038	1037	1036	1035	1034	1033	1032	1031	1030	1029	1028	1027	1026	1025	1024	1023	1022	1021	1020	1019	1018	1017	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Year	Month	Day	Time	Temp	Wind	Dir	Hum	Pres	Cloud	Vis	Bar	Wind	Dir	Temp	Time	Day	Month	Year
1907	Jan	1	11:23	1343	1343	1340	1154	1163	1171	1181	1190	1341	1413	1413	1415	1420	1425	1430
1907	Jan	2	11:36	1343	1340	1339	1154	1163	1171	1181	1190	1341	1413	1413	1415	1420	1425	1430
1907	Jan	3	11:47	1340	1332	1326	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324
1907	Jan	4	11:54	1339	1388	1386	1384	1384	1384	1384	1384	1384	1384	1384	1384	1384	1384	1384
1907	Jan	5	12:05	1338	1464	1463	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	6	12:10	1336	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	7	12:16	1334	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	8	12:29	1329	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	9	12:39	1251	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	10	12:51	1239	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	11	12:54	1237	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	12	12:57	1229	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	13	12:57	1229	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	14	12:57	1229	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	15	12:57	1229	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	16	12:57	1229	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	17	12:57	1229	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	18	12:57	1229	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	19	12:57	1229	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	20	12:57	1229	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	21	12:57	1229	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	22	12:57	1229	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	23	12:57	1229	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	24	12:57	1229	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	25	12:57	1229	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	26	12:57	1229	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	27	12:57	1229	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	28	12:57	1229	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	29	12:57	1229	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	30	12:57	1229	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452
1907	Jan	31	12:57	1229	1460	1464	1457	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452

Year
or
Period

MEAN

Year
or
Period

Mean
or
Average

6,098,060
8,400

135,900	2,210	1,081	53,940	3,328	4,453	6,747	12,390	17,250	21,130	12,240	11,140	8,000
64,320			877									
204,600												
256,100												
414,800												
737,000												
1,061,000												
1,257,000												
752,500												
684,900												
476,000												

Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
3860	2260	1160	152	4860	5100	12600	19300	27900	12800	13300	10800	10800
147	1100	1150	154	4750	5130	12600	19200	27900	13000	13300	10700	10700
2720	1140	1170	149	4850	2790	19200	19200	28100	13400	11500	10600	10600
3090	1140	1040	3570	1610	5840	9980	19100	27900	12700	11100	10400	10400
3150	1140	1010	3540	5110	5120	9550	19100	27900	12600	11000	10100	10100
4360	1170	152	242	4500	5160	9600	16900	27700	12100	10800	9790	9790
5730	1180	2180	285	4340	5140	9600	15600	27600	11200	10500	9460	9460
3250	1150	1010	3340	4340	5170	8900	15700	25400	11200	10500	9030	9030
168	1160	1010	3360	4310	4880	8530	15700	22500	11800	10800	8760	8760
3210	1170	154	3360	4310	4880	8530	15700	22500	11800	10800	8760	8760
150	150	150	3380	1860	2550	8580	15700	21700	12000	10900	8760	8760
3130	2050	141	3390	528	5790	8580	15700	21700	12000	10800	8400	8400
3170	141	130	3420	4350	5190	8670	15700	21800	12300	11100	7860	7860
3190	1630	1210	4350	5170	5170	8670	15800	21800	12600	11500	7600	7600
2960	1550	1220	600	5160	8710	15800	20400	12700	11800	7440	7440	7440
2920	1550	1220	600	5160	8710	15800	20400	12700	11800	7440	7440	7440
160	1560	1220	4090	4710	5480	8710	15900	18200	12300	11800	7520	7520
2500	1570	164	3890	4710	5860	8760	15900	17400	12100	11800	7390	7390
2510	1570	157	3830	4870	5160	8760	15900	19200	12100	11500	7390	7390
976	117	1210	3850	1680	6880	8760	13400	23000	12100	11400	7390	7390
977	76	1210	4330	5450	5840	11200	12000	25300	12200	11000	7350	7350
2700	1540	1230	4920	5270	5830	14400	12400	23400	12200	10800	7350	7350
137	1600	1220	691	5260	6420	15100	12500	20000	12100	11000	7350	7350
124	1610	1220	4950	5240	8440	16600	12300	16800	12400	11100	7480	7480
2940	1610	154	4950	5400	8480	17800	12400	14600	12400	11100	6790	6790
2960	1380	149	4960	5750	8900	18600	13100	13700	12400	11100	6220	6220
2520	157	1220	5010	4700	9600	19200	16900	13500	12400	11100	6030	6030
2480	143	1210	5000	6610	9890	19300	19200	13500	12400	11000	5990	5990
117	1130	1220	5020	740	11400	19300	19300	12500	12200	11100	5410	5410
73	1140	1230	740	5420	12600	19300	26600	12000	11900	11200	5020	5020
75	1140	1230	4970	5100	12600	19300	27900	12500	11500	11100	5020	5020
2220	1170	1220	5020	5020	12600	28000	27900	12500	11300	11100	5020	5020

Year	OR	PERIOD	MEAN	ACRE-FEET	Area	Perimeter	Volume	Weight	Value	Notes

Year	OR	PERIOD	MEAN	ACRE-FEET	Area	Perimeter	Volume	Weight	Value	Notes
1	94.90	864.50	94.250	676.50	70290	71280	72160	72720	72160	95790
2	91690	90760	94490	66770	72160	72160	72160	72160	72160	95430
3	85750	90760	94490	66770	72160	72160	72160	72160	72160	95430
4	82190	90640	93440	68970	72720	72720	72720	72720	72720	96150
5	78800	90640	91920	71280	72050	72050	72050	72050	72050	95670
6	80720	89830	92040	72720	68090	70510	70510	70510	70510	96390
7	87500	88780	92160	72260	70070	70730	70730	70730	70730	96270
8	89710	89360	91460	66330	70180	71280	71280	71280	71280	95910
9	90410	89600	93670	64580	70510	71610	71610	71610	71610	96630
10	86680	88660	94020	66330	70730	71170	71170	71170	71170	95670
11	88200	89600	92860	67870	69850	71500	71500	71500	71500	95550
12	90060	92740	91460	68090	65120	68310	68310	68310	68310	93790
13	91920	91690	91570	69850	59670	70730	70730	70730	70730	93090
14	94250	88900	91920	70510	60630	72600	72600	72600	72600	92270
15	95670	89830	92160	67650	61500	73620	73620	73620	73620	93200
16	96390	92390	92620	63920	61500	74520	74520	74520	74520	93550
17	93790	92860	92620	66990	63700	75420	75420	75420	75420	94250
18	94600	93790	90290	68640	65010	77450	77450	77450	77450	95070
19	94950	95180	87960	69410	65340	76770	76770	76770	76770	95180
20	94950	93320	86800	70730	61720	76320	76320	76320	76320	93790
21	94950	90640	86220	71610	64140	76770	76770	76770	76770	91690
22	96270	91690	85750	71500	65670	76100	76100	76100	76100	93790
23	93900	93320	82860	75340	67320	79370	79370	79370	79370	94840
24	91690	94250	85400	67870	68970	79710	79710	79710	79710	96030
25	94020	95310	83200	70400	70070	79480	79480	79480	79480	96630
26	95180	96150	80610	71280	72380	79140	79140	79140	79140	95790
27	96150	94140	79370	72160	72050	83090	83090	83090	83090	95550
28	94950	93440	79030	73170	73050	87500	87500	87500	87500	95180
29	92510	93900	77790	71940	72380	94250	94250	94250	94250	95180
30	87730	93790	75200	66770		96150	96150	96150	96150	94490
31	86330		70950	68530		95910	95910	95910	95910	

Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1887	487	535	609	692	681	653	642	599	602	594	594	871
1888	535	535	609	692	681	653	642	599	602	594	594	871
1889	535	535	609	692	681	653	642	599	602	594	594	871
1890	535	535	609	692	681	653	642	599	602	594	594	871
1891	535	535	609	692	681	653	642	599	602	594	594	871
1892	535	535	609	692	681	653	642	599	602	594	594	871
1893	535	535	609	692	681	653	642	599	602	594	594	871
1894	535	535	609	692	681	653	642	599	602	594	594	871
1895	535	535	609	692	681	653	642	599	602	594	594	871
1896	535	535	609	692	681	653	642	599	602	594	594	871
1897	535	535	609	692	681	653	642	599	602	594	594	871
1898	535	535	609	692	681	653	642	599	602	594	594	871
1899	535	535	609	692	681	653	642	599	602	594	594	871
1900	535	535	609	692	681	653	642	599	602	594	594	871
1901	535	535	609	692	681	653	642	599	602	594	594	871
1902	535	535	609	692	681	653	642	599	602	594	594	871
1903	535	535	609	692	681	653	642	599	602	594	594	871
1904	535	535	609	692	681	653	642	599	602	594	594	871
1905	535	535	609	692	681	653	642	599	602	594	594	871
1906	535	535	609	692	681	653	642	599	602	594	594	871
1907	535	535	609	692	681	653	642	599	602	594	594	871
1908	535	535	609	692	681	653	642	599	602	594	594	871
1909	535	535	609	692	681	653	642	599	602	594	594	871
1910	535	535	609	692	681	653	642	599	602	594	594	871
1911	535	535	609	692	681	653	642	599	602	594	594	871
1912	535	535	609	692	681	653	642	599	602	594	594	871
1913	535	535	609	692	681	653	642	599	602	594	594	871
1914	535	535	609	692	681	653	642	599	602	594	594	871
1915	535	535	609	692	681	653	642	599	602	594	594	871
1916	535	535	609	692	681	653	642	599	602	594	594	871
1917	535	535	609	692	681	653	642	599	602	594	594	871
1918	535	535	609	692	681	653	642	599	602	594	594	871
1919	535	535	609	692	681	653	642	599	602	594	594	871
1920	535	535	609	692	681	653	642	599	602	594	594	871
1921	535	535	609	692	681	653	642	599	602	594	594	871
1922	535	535	609	692	681	653	642	599	602	594	594	871
1923	535	535	609	692	681	653	642	599	602	594	594	871
1924	535	535	609	692	681	653	642	599	602	594	594	871
1925	535	535	609	692	681	653	642	599	602	594	594	871
1926	535	535	609	692	681	653	642	599	602	594	594	871
1927	535	535	609	692	681	653	642	599	602	594	594	871
1928	535	535	609	692	681	653	642	599	602	594	594	871
1929	535	535	609	692	681	653	642	599	602	594	594	871
1930	535	535	609	692	681	653	642	599	602	594	594	871
1931	535	535	609	692	681	653	642	599	602	594	594	871
1932	535	535	609	692	681	653	642	599	602	594	594	871
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1934	535	535	609	692	681	653	642	599	602	594	594	871
1935	535	535	609	692	681	653	642	599	602	594	594	871
1936	535	535	609	692	681	653	642	599	602	594	594	871
1937	535	535	609	692	681	653	642	599	602	594	594	871
1938	535	535	609	692	681	653	642	599	602	594	594	871
1939	535	535	609	692	681	653	642	599	602	594	594	871
1940	535	535	609	692	681	653	642	599	602	594	594	871
1941	535	535	609	692	681	653	642	599	602	594	594	871
1942	535	535	609	692	681	653	642	599	602	594	594	871
1943	535	535	609	692	681	653	642	599	602	594	594	871
1944	535	535	609	692	681	653	642	599	602	594	594	871
1945	535	535	609	692	681	653	642	599	602	594	594	871
1946	535	535	609	692	681	653	642	599	602	594	594	871
1947	535	535	609	692	681	653	642	599	602	594	594	871
1948	535	535	609	692	681	653	642	599	602	594	594	871
1949	535	535	609	692	681	653	642	599	602	594	594	871
1950	535	535	609	692	681	653	642	599	602	594	594	871
1951	535	535	609	692	681	653	642	599	602	594	594	871
1952	535	535	609	692	681	653	642	599	602	594	594	871
1953	535	535	609	692	681	653	642	599	602	594	594	871
1954	535	535	609	692	681	653	642	599	602	594	594	871
1955	535	535	609	692	681	653	642	599	602	594	594	871
1956	535	535	609	692	681	653	642	599	602	594	594	871
1957	535	535	609	692	681	653	642	599	602	594	594	871
1958	535	535	609	692	681	653	642	599	602	594	594	871
1959	535	535	609	692	681	653	642	599	602	594	594	871
1960	535	535	609	692	681	653	642	599	602	594	594	871
1961	535	535	609	692	681	653	642	599	602	594	594	871
1962	535	535	609	692	681	653	642	599	602	594	594	871
1963	535	535	609	692	681	653	642	599	602	594	594	871
1964	535	535	609	692	681	653	642	599	602	594	594	871
1965	535	535	609	692	681	653	642	599	602	594	594	871
1966	535	535	609	692	681	653	642	599	602	594	594	871
1967	535	535	609	692	681	653	642	599	602	594	594	871
1968	535	535	609	692	681	653	642	599	602	594	594	871
1969	535	535	609	692	681	653	642	599	602	594	594	871
1970	535	535	609	692	681	653	642	599	602	594	594	871
1971	535	535	609	692	681	653	642	599	602	594	594	871
1972	535	535	609	692	681	653	642	599	602	594	594	871
1973	535	535	609	692	681	653	642	599	602	594	594	871
1974	535	535	609	692	681	653	642	599	602	594	594	871
1975	535	535	609	692	681	653	642	599	602	594	594	871
1976	535	535	609	692	681	653	642	599	602	594	594	871
1977	535	535	609	692	681	653	642	599	602	594	594	871
1978	535	535	609	692	681	653	642	599	602	594	594	871
1979	535	535	609	692	681	653	642	599	602	594	594	871
1980	535	535	609	692	681	653	642	599	602	594	594	871
1981	535	535	609	692	681	653	642	599	602	594	594	871
1982	535	535	609	692	681	653	642	599	602	594	594	871
1983	535	535	609	692	681	653	642	599	602	594	594	871
1984	535	535	609	692	681	653	642	599	602	594	594	871
1985	535	535	609	692	681	653	642	599	602	594	594	871
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1987	535	535	609	692	681	653	642	599	602	594	594	871
1988	535	535	609	692	681	653	642	599	602	594	594	871
1989	535	535	609	692	681	653	642	599	602	594	594	871
1990	535	535	609	692	681	653	642	599	602	594	594	871
1991	535	535	609	692	681	653	642	599	602	594	594	871
1992	535	535	609	692	681	653	642	599	602	594	594	871
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1994	535	535	609	692	681	653	642	599	602	594	594	871
1995	535	535	609	692	681	653	642	599	602	594	594	871
1996	535	535	609	692	681	653	642	599	602	594	594	871
1997	535	535	609	692	681	653	642	599	602	594	594	871
1998	535	535	609	692	681	653	642	599	602	594	594	871
1999	535	535	609	692	681	653	642	599	602	594		

Year	Dec	Nov	Oct	Sept	Aug	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec	Nov	Oct	Sept	Aug	July	June	May	Apr.	Mar.	Feb.	Jan.
1	3140	1390	1060	1120	2610	4300	5480	12700	16200	16300	26700	26500	26700	26700	26500	26700	26500	26700	26500	26700	26500	26700	26500	26700
2	2750	1060	937	1070	2610	4400	5410	11900	16300	16300	26700	26500	26700	26500	26700	26500	26700	26500	26700	26500	26700	26500	26700	26500
3	2840	937	1070	2610	4400	5410	11900	16300	16300	26700	26500	26700	26500	26700	26500	26700	26500	26700	26500	26700	26500	26700	26500	26700
4	2880	925	1040	2760	4460	5240	11000	16300	16300	26700	26500	26700	26500	26700	26500	26700	26500	26700	26500	26700	26500	26700	26500	26700
5	2870	933	980	2850	4480	5000	10200	16300	16300	26700	26500	26700	26500	26700	26500	26700	26500	26700	26500	26700	26500	26700	26500	26700
6	2000	912	992	3190	4490	5000	10200	16300	16300	26700	26500	26700	26500	26700	26500	26700	26500	26700	26500	26700	26500	26700	26500	26700
7	1540	920	990	3150	4440	5100	9800	15000	15000	25700	25700	25700	25700	25700	25700	25700	25700	25700	25700	25700	25700	25700	25700	25700
8	1370	901	964	2660	4420	5220	9890	12900	12900	25500	25500	25500	25500	25500	25500	25500	25500	25500	25500	25500	25500	25500	25500	25500
9	1340	916	977	2590	4420	5260	9390	13100	13100	23700	23700	23700	23700	23700	23700	23700	23700	23700	23700	23700	23700	23700	23700	23700
10	1400	1130	979	2570	4470	5310	8700	13300	13300	20200	20200	20200	20200	20200	20200	20200	20200	20200	20200	20200	20200	20200	20200	20200
11	1330	1160	962	2580	4490	5120	8670	13500	13500	18700	18700	18700	18700	18700	18700	18700	18700	18700	18700	18700	18700	18700	18700	18700
12	1180	1120	998	2890	4400	4420	8240	13600	13600	18700	18700	18700	18700	18700	18700	18700	18700	18700	18700	18700	18700	18700	18700	18700
13	1000	1090	1110	3250	4290	4290	7820	14100	14100	18900	18900	18900	18900	18900	18900	18900	18900	18900	18900	18900	18900	18900	18900	18900
14	954	1130	1100	3060	4310	4580	7730	14000	14000	18800	18800	18800	18800	18800	18800	18800	18800	18800	18800	18800	18800	18800	18800	18800
15	925	1120	1100	2800	4250	4980	7900	13700	13700	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000
16	919	1080	1200	2950	4200	5440	7900	13300	13300	15100	15100	15100	15100	15100	15100	15100	15100	15100	15100	15100	15100	15100	15100	15100
17	910	1090	1740	3200	4250	5740	7900	12900	12900	15600	15600	15600	15600	15600	15600	15600	15600	15600	15600	15600	15600	15600	15600	15600
18	921	1090	1670	3320	4310	6260	7870	12700	12700	16800	16800	16800	16800	16800	16800	16800	16800	16800	16800	16800	16800	16800	16800	16800
19	963	1160	1700	3420	4290	6260	7480	11200	11200	19500	19500	19500	19500	19500	19500	19500	19500	19500	19500	19500	19500	19500	19500	19500
20	941	1130	1710	3710	4290	6450	8410	9170	22800	22800	22800	22800	22800	22800	22800	22800	22800	22800	22800	22800	22800	22800	22800	22800
21	1400	1150	1710	4440	4510	6450	11800	8930	22300	22300	22300	22300	22300	22300	22300	22300	22300	22300	22300	22300	22300	22300	22300	22300
22	1710	1100	1780	4420	4790	6210	12600	9320	18600	18600	18600	18600	18600	18600	18600	18600	18600	18600	18600	18600	18600	18600	18600	18600
23	1680	1070	2010	4380	4900	7930	13400	9230	15100	15100	15100	15100	15100	15100	15100	15100	15100	15100	15100	15100	15100	15100	15100	15100
24	1650	1060	1780	4240	4950	8730	14600	9230	12500	12500	12500	12500	12500	12500	12500	12500	12500	12500	12500	12500	12500	12500	12500	12500
25	1810	1020	1770	4380	4980	8730	15300	9390	11300	11300	11300	11300	11300	11300	11300	11300	11300	11300	11300	11300	11300	11300	11300	11300
26	2100	1030	1760	4490	5240	8460	16100	13300	10800	10800	10800	10800	10800	10800	10800	10800	10800	10800	10800	10800	10800	10800	10800	10800
27	2180	1090	1790	4700	5310	8670	16400	17000	10400	10400	10400	10400	10400	10400	10400	10400	10400	10400	10400	10400	10400	10400	10400	10400
28	2180	1090	1790	4700	5310	8670	16400	17000	10400	10400	10400	10400	10400	10400	10400	10400	10400	10400	10400	10400	10400	10400	10400	10400
29	1910	1080	2580	4700	5460	8410	16500	24400	9080	9080	9080	9080	9080	9080	9080	9080	9080	9080	9080	9080	9080	9080	9080	9080
30	1660	1020	2560	4270	5460	12500	16500	26800	9110	9110	9110	9110	9110	9110	9110	9110	9110	9110	9110	9110	9110	9110	9110	9110
31	1370	1020	2590	4280	5460	12900	16500	27000	8290	8290	8290	8290	8290	8290	8290	8290	8290	8290	8290	8290	8290	8290	8290	8290

Year	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
Mean	1,672	1,681	1,688	1,688	1,688	1,688	1,688	1,688	1,688	1,688	1,688	1,688	1,688	1,688	1,688	1,688	1,688	1,688	1,688	1,688	1,688	1,688	1,688	1,688	1,688
Acres-Feet	102,800	63,120	91,080	214,500	263,400	406,500	666,400	901,800	1,121,000	562,600	523,400	385,100	6,471	8,512	9,149	18,840	14,670	11,200	6,611	4,580	2,580	1,406	1,406	1,406	1,406
Year	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

MEAN 7,304
ACRES-Feet 5,301,700

[illegible][illegible]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	0	0	0	0	0	0	0	203	173	207	228	203
2	0	0	0	0	0	0	0	203	173	207	228	206
3	0	0	0	0	0	0	0	206	173	207	228	206
4	0	0	0	0	0	0	0	203	173	207	228	206
5	0	0	0	0	0	0	0	203	173	207	228	206
6	0	0	0	0	0	0	0	218	173	203	225	206
7	0	0	0	0	0	0	0	218	173	205	225	200
8	0	0	0	0	0	0	0	218	173	214	225	194
9	0	0	0	0	0	0	0	218	173	214	225	194
10	0	0	0	0	0	0	0	218	185	214	225	194
11	0	0	0	0	0	0	0	218	208	224	225	174
12	0	0	0	0	0	0	0	218	208	234	225	170
13	0	0	0	0	0	0	0	211	208	234	225	170
14	0	0	0	0	0	0	0	203	208	234	225	170
15	0	0	0	0	0	0	0	203	208	234	225	170
16	0	0	0	0	0	0	0	203	190	234	225	170
17	0	0	0	0	0	0	0	203	180	234	225	170
18	31	0	0	0	0	0	0	203	180	234	225	154
19	50	0	0	0	0	0	0	218	180	234	216	147
20	65	0	0	0	0	0	0	218	180	234	216	141
21	82	82	0	0	0	0	0	218	180	234	216	136
22	82	218	0	0	0	0	0	218	184	234	216	131
23	99	218	0	0	0	0	0	218	202	234	216	131
24	132	228	0	0	0	0	0	228	202	234	216	131
25	156	236	0	0	0	0	0	236	202	234	216	131
26	163	236	0	0	0	0	0	236	202	234	216	131
27	172	236	0	0	0	0	0	236	202	234	216	131
28	172	173	0	0	0	0	0	173	202	234	216	110
29	194	173	0	0	0	0	0	173	203	234	216	104
30	203	173	0	0	0	0	0	173	207	234	216	89
31		173	0	0	0	0	0			228	203	

MEAN LOW TIDE CANAL HEAD MEAN, ILLINOIS

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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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[illegible]

1380	1390	1590	1340	1070	0	1370	1210	1170	1340	1310	1210	1250	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1390	1600	1610	1310	1210	0	1370	1210	1170	1340	1310	1210	1250	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1390	1550	1620	1210	1210	0	1370	1210	1170	1340	1310	1210	1250	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1390	1540	1610	1250	1250	0	1370	1250	1170	1340	1310	1250	1250	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1390	1510	1600	1300	1300	0	1370	1300	1170	1340	1310	1300	1300	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1380	1480	1610	1330	1320	0	1370	1320	1170	1340	1310	1320	1320	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1370	1480	1610	1360	1310	0	1370	1310	1170	1340	1310	1310	1310	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1370	1480	1600	1420	1340	0	1370	1340	1170	1340	1310	1340	1340	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1360	1490	1590	1450	1350	0	1370	1350	1170	1340	1310	1350	1350	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1360	1460	1600	1450	1360	0	1370	1360	1170	1340	1310	1360	1360	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1350	1450	1620	1450	1370	0	1370	1370	1170	1340	1310	1370	1370	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1350	1440	1600	1450	1390	0	1370	1390	1170	1340	1310	1390	1390	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1300	1430	1610	1450	1380	0	1370	1380	1170	1340	1310	1380	1380	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1270	1430	1620	1440	1390	0	1370	1390	1170	1340	1310	1390	1390	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1270	1440	1620	1410	1390	0	1370	1390	1170	1340	1310	1390	1390	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1220	1440	1610	1410	1410	430	1370	1410	1170	1340	1310	1410	1410	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1200	1450	1620	1450	1450	580	1370	1450	1170	1340	1310	1450	1450	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1190	1450	1610	1470	1470	560	1370	1470	1170	1340	1310	1470	1470	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1180	1450	1600	1490	1460	630	1370	1460	1170	1340	1310	1460	1460	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1160	1470	1610	1490	1460	720	1370	1460	1170	1340	1310	1460	1460	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1190	1420	1610	1490	1470	790	1370	1470	1170	1340	1310	1470	1470	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1170	1420	1610	1480	1430	840	1370	1430	1170	1340	1310	1430	1430	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1160	1420	1620	1490	1410	870	1370	1410	1170	1340	1310	1410	1410	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1120	1420	1610	1500	1420	890	1370	1420	1170	1340	1310	1420	1420	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1100	1420	1610	1490	1380	920	1370	1380	1170	1340	1310	1380	1380	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1100	1430	1610	1490	1350	970	1370	1350	1170	1340	1310	1350	1350	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1100	1420	1610	1550	1340	980	1370	1340	1170	1340	1310	1340	1340	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
1000	1420	1610	1560	1330	1000	1370	1330	1170	1340	1310	1330	1330	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
780	1390	1610	1560	1340	1000	1370	1340	1170	1340	1310	1340	1340	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380
0	1380	1600	1590	1370	1000	1370	1370	1170	1340	1310	1370	1370	1260	1300	1320	1310	1340	1350	1340	1600	1590	1580	1380

1914

MEAN

MEAN	ACRE-FEET
613	474,710

[illegible][illegible]

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1900	467	464	405	25	3270	3350	3710	3520	3400	1520	543	584
1901	1340	467	405	25	3250	3260	3730	3500	3430	1340	594	584
1902	1290	462	376	25	3330	3180	3720	3440	3380	1290	508	499
1903	1300	462	376	283	3310	3110	3660	3360	3340	1300	499	376
1904	1270	464	390	744	3310	3070	3580	3370	3130	1270	502	379
1905	1240	464	390	865	3310	3130	3520	3380	3130	1240	502	397
1906	1240	459	400	1010	3340	3200	3510	3420	3140	1240	478	410
1907	1210	444	405	1300	3320	3230	3560	3460	3130	1210	444	405
1908	1070	441	405	1480	3210	3230	3610	3480	3060	1070	441	405
1909	795	438	423	214	1070	3250	3650	3480	2960	795	438	423
1910	221	425	400	543	3110	3250	3650	3480	2840	221	425	420
1911	413	420	400	1260	3140	3300	3680	3470	2730	413	420	420
1912	288	498	244	216	3210	3300	3670	3460	2640	288	498	420
1913	81	434	296	221	1740	3400	3670	3460	2620	81	434	434
1914	78	448	502	225	1780	3500	3670	3490	2590	78	448	448
1915	305	449	596	232	2050	3440	3680	3490	2560	305	449	449
1916	629	502	596	239	2390	3440	3670	3490	2480	629	502	449
1917	759	502	604	239	2490	3440	3690	3480	2380	759	502	449
1918	878	446	615	234	2690	3460	3690	3460	2190	878	446	446
1919	914	446	624	234	2830	3450	3690	3480	2150	914	446	446
1920	901	457	607	230	3060	3580	3690	3480	2150	901	457	457
1921	787	441	560	234	3160	3650	3690	3480	1920	787	441	441
1922	824	491	550	234	3140	3560	3700	3480	1730	824	491	449
1923	894	449	520	230	3090	3560	3690	3500	1690	894	449	449
1924	881	446	483	230	3120	3550	3670	3510	1650	881	446	446
1925	728	478	465	205	3270	3560	3660	3500	1640	728	478	449
1926	725	451	450	160	3370	3600	3630	3430	1620	725	451	451
1927	692	464	450	160	3400	3630	3570	3420	1630	692	464	452

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1928	451	401	243	1,748	3,365	3,321	3,654	3,459	2,595	53,450	869	494
1929	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1930	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1931	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1932	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1933	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1934	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1935	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1936	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1937	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1938	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1939	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1940	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1941	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1942	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1943	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1944	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1945	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1946	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1947	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1948	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1949	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1950	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1951	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1952	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1953	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1954	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1955	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1956	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1957	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1958	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1959	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1960	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1961	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1962	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1963	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1964	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1965	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1966	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1967	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1968	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1969	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1970	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1971	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1972	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1973	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1974	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1975	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1976	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1977	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1978	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1979	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1980	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1981	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1982	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1983	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1984	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1985	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1986	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1987	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1988	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1989	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1990	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1991	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1992	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1993	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1994	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1995	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1996	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1997	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1998	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
1999	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
2000	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
2001	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
2002	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
2003	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
2004	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
2005	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
2006	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
2007	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
2008	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
2009	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
2010	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
2011	27,740	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428
2012	26,290	23,090	14,920	104,000	206,900	197,600	224,700	212,700	154,400	29,380	494	428</

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