

3-2 sets of prints

WATER DISTRIBUTION
AND HYDROMETRIC WORK
DISTRICT NO. 36
SNAKE RIVER, IDAHO
1950

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INTRODUCTION

The annual water election of District No. 36 was held in Idaho Falls on March 6, 1950. Lynn Grandall was re-elected as Watermaster for his 21st term of office, and the following were elected as members of the Committee of Nine:

N. V. Sharp, Chairman; Ival V. Goslin, Vice-Chairman; Alex Coleman, Secretary; Hugh L. Crawford, Leonard Graham, Chas. E. Anderson, A. K. Van Orden, Chas. H. Welteroth, and R. Willis Walker.

Advisory members: James Spofford and L. W. Hastings.

A. E. Stanger, former member of the Committee, died in June 1950.

Principal resolutions adopted at the annual meeting included the following:

1. Fixed the stored water transmission losses as follows:
2½% Moran to Heise, 4.4% Heise to Lorenzo, 0.5% Lorenzo to Shelley, 6% Shelley to Blackfoot, 4% Lake to Island Park, 2% Island Park to Warm River, 0.5% Warm River to Ashton.
2. Adopted a budget of \$35,515.00 to cover expenses of operating the District during the ensuing year, of which it was estimated \$10,000.00 would be provided from Federal and State stream gaging funds.
3. Opposed any and all forms of C.V.A. and authority type of legislation for the Columbia River.
4. Asked the next state legislature to enact legislation to control the development and use of ground-water in Idaho.

The Idaho-Wyoming compact dividing the waters of the main or south fork of Snake River between the two states was approved during the year by the respective state legislatures, by Congress and the

President. An engineering sub-committee is now studying the situation in Teton basin which is not covered by the compact already enacted. The Bureau of Reclamation gathered some statistics during the summer of 1950 on acreage irrigated from the several interstate creeks in Teton Basin, and the Idaho Watermaster's office made a number of measurements of the flow of Teton Creek and diversions therefrom. These figures will be tabulated and presented to a meeting of the sub-committee prior to the 1951 irrigation season.

The Palisades bill in Congress was amended to meet objections by the Budget Bureau and in the amended form was passed by Congress and signed by the President in the fall of 1950. Construction work on the project can begin whenever Congress appropriates the necessary funds.

A tentative allocation of the Palisades reservoir space among the various applicants was made by a Committee consisting of R. J. Newell and Lynn Crandall. The allocation as recommended by this Committee was approved by the Bureau of Reclamation and the South Fork Reservoir Committee during May 1950.

The water supply in 1950 was ample for all needs. The use of stored water did not begin until July 18 and large holdovers remained in the reservoirs at the close of the irrigation season. From a water-supply standpoint it was one of the best years ever experienced on the river.

Water spilled to waste past Milner during the year ending September 30, 1950, in excess of Idaho Power Company rights, amounted to about 2,559,000 acre-feet. About 73% of this was spilled prior to the filling of American Falls reservoir on June 10 and about 27% thereafter.

Rains September 9-11 restored most irrigation priority rights, altho there was some storage that continued to be used at Milner by the Gooding Canal and Idaho Power Company until the end of September.

PERSONNEL

The persons engaged in water distribution during 1950 were as follows:

Lynn Crandall	Watermaster and Deputy Com. of Reclamation
Henry C. Eagle	Hydr. Engineer and Deputy Watermaster
Melvin Luke	Deputy Watermaster and Hydrographer at St. Anthony
Oleen Dummer	Hydrographer
A. H. Bush	Hydrographer
Charlotte M. Elg	Clerk
C. Drue Cooper	Deputy Watermaster & Hydrographer, Teton Basin
Seth Hansen	Deputy Watermaster, Teton Basin
Don Riggs	Deputy Watermaster, Henrys Fork
Joe Bohi	Deputy Watermaster, Lower Teton R.
Elmer Lenz	Deputy Watermaster, Upper Fall River
D. R. Anthony	Deputy Watermaster, Heise Division
H. M. Bramwell	Deputy Watermaster, Rigby Division
D. W. Dick	Deputy Watermaster, Idaho Falls Division
Carl J. Anderson	Deputy Watermaster, Blackfoot Division
R. H. Seymour	Deputy Watermaster, Milner Dam
George Weeks	Deputy Watermaster, Swan Valley Division
James Spofford	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
J. J. Taylor	Supt. Grassy Lake, Bureau of Reclamation

Gage Readers: Foster B. Randall, Chester Isaacs, D. L. Dutton, Mrs. Irvin Siepert, James Fugal, D. R. Anthony, J. T. Hobbs, Jos. H. Bahr, Jr., L. N. Worsham, T. E. Culley, Dean Ellis, Mose Disotel, Wm. Hall, K. Hutchison, Earl D. Sears.

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)

Year	Mid-Jan.		Mid-Feb.		Mid-Mar.		Apr. 1		Mid-Apr.	
	S	W	S	W	S	W	S	W	S	W
<u>Moran (Snake River)</u>										
1941	23	5.5	31	7.4	29	9.7			0	0
1942	24	5.8	33	8.4	33	9.3			13	5.1
1943	37	12.5	53	17.3	60	20.1			19	8.5
1944	11	2.2	19	4.1	29	6.6			14	5.1
1945	26	6.5	39	9.2	37	11.1			30	11.1
1946	27	6.2	39	9.9	41	11.6	31	11.2	18	6.7
1947	27	6.0	33	9.6	36	11.1	31	9.8	23	8.0
1948	22	5.4	26	6.2	36	8.8	37	10.5	30	9.5
1949	34	8.3	49	13.5	43	14.1	40	14.5	21	7.9
1950	26	3.8	32	8.5	37	10.9	45	13.1	25	8.9
Normal	25	5.9	35	9.1	36	10.9	37	11.8	23	8.4

<u>Moran Canyon (Snake River)</u>										
1941	44	11.6	53	15.3	50	16.0			28	11.0
1942	36	9.6	51	14.4	60	18.1			43	16.3
1943	71	23.9	94	33.1	96	35.7			68	33.7
1944	25	5.3	35	8.6	46	11.2			34	11.0
1945	34	8.8	57	12.3	54	19.4			56	20.8
1946	44	11.0	66	18.0	64	20.9	64	22.6	62	25.0
1947	42	11.0	52	15.5	78	21.9	68	24.1	69	25.6
1948	39	11.0	46	12.8	60	18.3	66	22.1	66	22.9
1949	43	13.3	66	19.2	69	21.3	65	23.9	55	21.8
1950	21	4.1	45	11.1	60	17.9	67	21.9	52	19.9
Normal	40	9.9	54	15.2	59	18.9	66	22.9	53	20.1

<u>Arizona Station (Snake River)</u>										
1941	36	8.5	49	13.6	44	13.0			25	11.0
1942	29	7.8	43	12.2	43	13.1			27	10.9
1943	57	18.7	73	25.5	89	31.7			49	23.7
1944	20	4.1	29	6.5	37	10.4			23	9.8
1945	29	6.9	52	12.5	46	15.0			43	15.0
1946	42	12.3	55	16.6	61	19.3	57	20.5	42	17.7
1947	38	9.7	45	13.1	51	15.8	51	17.2	46	17.0
1948	35	9.5	44	11.7	55	15.5	59	18.6	55	19.0
1949	44	12.5	64	18.5	63	21.1	60	22.1	41	17.2
1950	29	6.3	46	13.4	55	18.1	62	20.5	45	18.1
Normal	36	8.9	47	13.4	51	16.5	58	19.7	41	15.9

<u>Huckleberry Divide (Snake River)</u>										
1941	40	9.6	49	14.1	45	13.3			34	12.8
1942	31	8.3	47	13.4	48	14.5			36	13.8
1943	58	19.2	79	27.3	89	31.5			61	29.3
1944	25	5.8	35	8.1	46	12.4			39	13.0
1945	33	8.4	54	13.7	52	16.8			53	18.1
1946	40	11.2	55	16.2	64	19.9	52	20.2	49	19.1
1947	41	11.0	47	14.0	54	17.1	59	18.9	55	19.2
1948	35	8.8	44	12.2	57	15.1	61	18.4	59	19.5
1949	44	13.2	71	19.7	74	23.4	70	24.7	52	20.9
1950	33	7.8	52	15.4	67	20.5	77	24.0	59	22.4
Normal	39	9.7	52	14.8	57	17.9	64	21.3	50	18.8

Year	Mid-Jan.		Mid-Feb.		Mid-Mar.		April 1		Mid-Apr.	
	S	W	S	W	S	W	S	W	S	W
<u>Snake River Station (Snake River)</u>										
1941	44	9.7	50	12.5	47	14.1			26	9.3
1942	30	8.1	44	12.8	45	14.3			19	7.2
1943	61	20.2	78	28.8	90	32.6			48	25.2
1944	21	4.5	32	7.9	38	11.1			27	11.6
1945	35	9.8	61	15.2	51	18.1			51	18.9
1946	42	11.8	57	16.3	62	19.9	58	20.8	44	17.4
1947	44	11.1	48	14.5	57	17.8	58	19.7	55	20.1
1948	35	10.1	43	12.2	64	17.7	67	20.7	61	20.4
1949	47	14.3	70	20.1	82	25.0	77	26.8	56	23.3
1950	40	8.3	53	14.5	64	20.1	74	23.5	55	21.2
Normal	40	9.7	53	15.0	57	18.4	67	22.3	46	18.3

<u>Lewis Lake Divide (Snake River)</u>										
1941	64	19.2	77	26.8	75	28.5			64	27.6
1942	55	16.7	79	25.4	80	28.6			64	28.5
1943	109	42.0	140	55.4	155	62.6			118	62.5
1944	40	10.1	64	16.3	74	24.4			66	25.6
1945	52	13.5	90	26.0	84	29.9			87	33.3
1946	78	28.8	105	38.1	116	44.1	115	46.4	105	45.6
1947	92	32.9	101	39.1	120	47.9	126	48.9	117	49.6
1948	59	19.1	68	23.5	100	31.8	105	37.4	102	40.9
1949	73	25.3	120	39.7	131	47.3	130	52.1	102	47.1
1950	84	21.6	101	35.2	127	45.4	143	53.0	120	51.3
Normal	70	20.7	92	30.7	103	37.9	124	47.5	98	41.8

Aster Creek (Snake River)

1941	49	12.7	57	17.5	49	16.1			49	18.6
1942	43	13.2	60	18.0	64	21.1			48	19.1
1943	77	27.0	119	46.4	130	50.5			98	51.0
1944	29	6.7	45	11.6	61	18.3			54	20.1
1945	36	9.1	63	16.4	64	19.2			67	21.9
1946	59	19.6	79	27.9	91	33.0	90	33.7	81	34.7
1947	74	23.4	78	29.6	92	35.3	97	36.2	88	36.7
1948	42	12.0	54	15.8	79	22.7	83	27.2	81	30.0
1949	60	18.2	101	30.7	109	38.6	109	41.5	85	36.9
1950	75	16.9	93	31.8	106	38.8	116	43.6	99	42.8
Normal	52	14.5	68	22.1	77	27.2	99	36.4	73	29.8

Colter Creek (Snake River)

1941	45	10.7	52	13.8	49	14.8			35	15.7
1942	35	8.1	51	11.8	49	14.6			31	12.6
1943	68	24.1	94	33.7	97	36.4			69	34.4
1944	32	6.5	45	9.6	58	13.8			39	13.2
1945	36	8.1	69	16.4	58	20.9			63	23.6
1946	46	12.9	65	18.5	63	21.7	60	22.5	56	22.5
1947	48	12.0	57	19.9	71	23.7	-	-	60	24.2
1948	37	9.8	45	12.3	57	15.2	-	-	67	22.4
1949	43	13.0	73	20.1	81	25.5			62	25.5
1950	35	8.0	61	17.8	72	22.6	75	27.3	67	25.4
Normal	44	11.0	58	16.7	64	20.3	68	24.9	54	21.2

Year	Mid-Jan.		Mid-Feb.		Mid-Mar.		April 1		Mid-Apr.	
	S	W	S	W	S	W	S	W	S	W
<u>Glade Creek (Snake River)</u>										
1941	46	13.2	60	16.7	52	16.4			43	15.3
1942	32	8.7	47	13.8	51	16.3			31	12.6
1943	64	21.4	88	31.8	96	36.0			69	34.9
1944	25	4.9	35	8.4	48	13.4			42	13.4
1945	36	9.8	62	16.6	53	18.0			54	19.9
1946	46	14.1	64	18.9	70	22.0	67	24.4	62	24.2
1947	47	12.7	53	16.9	64	21.5	74	23.6	64	22.7
1948	39	11.3	47	14.3	67	19.8	72	23.1	68	23.6
1949	50	15.0	77	23.5	85	27.1	80	29.0	65	27.1
1950	34	8.6	54	15.1	67	21.0	74	25.3	63	24.8
Normal	45	11.6	60	17.4	66	21.4	73	25.0	57	22.8

Year	Feb. 1-6		Mar. 23-29	
	S	W	S	W
<u>Turpin Meadows (Buffalo River)</u>				
1941	27	6.0	27	8.5
1942	27	6.1	31	7.6
1943	50	15.2	56	19.9
1944	18	3.5	29	7.2
1945	28	6.0	37	8.6
1946	35	7.2	34	9.4
1947	31	7.7	32	8.8
1948	31	7.5	42	10.0
1949	36	9.2	37	12.3
1950	32	7.1	51	13.0
Normal	28	6.5	36	10.3

<u>Four Mile Meadows (Buffalo River)</u>				
1941	33	7.0	39	11.6
1942	32	6.8	39	9.4
1943	57	16.7	62	21.1
1944	30	5.5	41	9.4
1945	37	8.6	48	13.0
1946	42	9.6	45	13.4
1947	40	10.0	48	12.8
1948	34	8.6	48	12.3
1949	40	10.0	50	15.1
1950	46	11.1	63	16.8
Normal	33	8.0	45	12.9

<u>Black Rock (Buffalo River)</u>				
1941	41	10.8	55	17.5
1942	43	10.8	56	15.7
1943	79	26.6	80	34.6
1944	39	9.1	60	16.0
1945	39	10.0	62	19.3
1946	62	15.3	66	22.9
1947	63	19.2	76	28.2
1948	48	14.3	69	20.3
1949	52	15.7	72	23.6
1950	67	18.4	89	28.9
Normal	44	12.0	66	21.6

Year	Feb. 1-6		Mar. 23-29	
	S	W	S	W
<u>Twoqwotee Pass (Buffalo River)</u>				
1941	45	13.3	62	20.8
1942	52	13.9	64	20.7
1943	94	32.3	100	43.2
1944	53	13.3	71	20.4
1945	48	13.4	69	26.1
1946	70	19.7	78	28.8
1947	76	23.7	86	33.3
1948	56	17.6	81	27.4
1949	64	20.9	90	32.1
1950	88	26.4	116	38.4
Normal	60	18.4	79	27.9

	Jan. 1		Feb. 1		Mar. 1		Apr. 1	
	S	W	S	W	S	W	S	W
<u>Valley View Ranch (Henrys Fork)</u>								
1941	20	2.9	-	-	-	-	32	9.3
1942	21	4.0	-	-	-	-	38	10.9
1943	31	6.5	-	-	-	-	58	21.1
1944	14	2.6	-	-	-	-	41	10.5
1945	22	2.8	-	-	-	-	38	10.0
1946	34	7.2	-	-	46	12.4	50	15.5
1947	37	8.8	43	11.2	49	13.4	46	14.3
1948	26	4.7	32	6.6	39	8.8	50	12.8
1949	33	8.0	42	10.7	60	17.3	56	18.8
1950	32	6.2	45	12.0	52	15.3	62	19.5
Normal	25	4.7	37	8.9	46	12.5	47	14.6

<u>Big Springs (Henrys Fork)</u>								
1941	34	6.0	46	11.2	47	13.0	45	14.2
1942	30	5.1	47	10.4	55	15.4	48	16.0
1943	53	12.9	82	23.9	87	29.6	76	30.0
1944	11	1.6	29	6.1	48	12.0	52	15.2
1945	26	3.6	30	7.0	49	13.3	54	16.4
1946	47	9.9	54	13.6	60	18.7	65	23.2
1947	44	12.3	52	15.0	58	17.5	58	20.7
1948	32	7.4	39	10.1	48	13.2	59	18.1
1949	43	11.3	53	15.1	77	26.4	75	27.8
1950	37	7.1	55	14.9	65	20.4	74	25.9
Normal	32	6.8	47	12.0	59	17.5	60	20.4

<u>Island Park (Henrys Fork)</u>								
1941	28	4.1	38	8.4	40	10.3	32	9.6
1942	29	4.9	42	9.7	47	12.5	41	13.1
1943	42	9.8	70	19.1	70	23.3	59	20.6
1944	11	1.0	24	3.6	39	8.3	43	11.7
1945	22	3.1	26	5.2	42	10.5	35	11.3
1946	36	8.0	45	10.2	53	14.4	50	17.1
1947	37	8.9	42	10.6	47	13.8	46	15.1
1948	26	5.6	31	8.0	44	10.2	49	13.8
1949	37	8.4	43	11.6	66	21.8	66	22.5
1950	31	5.9	49	12.8	52	17.3	65	21.6
Normal	27	5.2	40	9.5	50	14.0	48	15.3

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W	S	W
<u>Grassy Lake (Fall River)</u>								
1941	61	18.2	72	23.7	75	27.5	64	23.9
1942	40	13.2	52	16.9	71	23.6	66	23.9
1943	74	19.4	114	36.1	113	42.3	106	42.8
1944	36	8.6	42	10.8	61	17.1	63	22.1
1945	60	11.1	60	17.1	79	27.3	84	31.6
1946	66	17.8	90	24.2	89	31.2	87	35.3
1947	49	13.5	63	19.2	65	22.7	77	29.2
1948	51	16.2	56	20.4	80	27.6	100	35.6
1949	71	20.7	70	25.0	102	37.2	112	44.3
1950	44	11.2	68	19.8	89	29.0	101	37.7
Normal	53	14.8	67	21.3	82	28.9	84	32.6

<u>Teton Pass (Teton River)</u>								
1941	51	12.0	64	15.3	71	19.7	70	23.9
1942	41	10.1	56	18.2	72	24.4	79	27.8
1943	76	24.4	125	47.0	131	55.0	149	66.4
1944	-	-	34	8.6	69	15.6	65	21.9
1945	51	10.1	54	15.6	77	24.1	95	30.8
1946	61	18.9	83	24.5	87	31.1	92	34.5
1947	66	21.8	78	27.0	89	31.0	107	42.0
1948	50	14.1	59	20.8	80	26.8	96	30.5
1949	70	22.9	78	28.1	106	42.4	128	49.9
1950	43	13.5	76	23.7	101	33.1	130	43.6
Normal	51	14.4	70	21.7	90	30.6	103	37.4

<u>State Line (Teton River)</u>								
1941	30	5.0	36	7.3	42	10.1	30	9.7
1942	24	4.0	33	9.1	39	12.0	39	12.4
1943	46	13.7	65	21.3	67	24.0	64	26.2
1944	-	-	24	5.1	35	8.3	36	8.4
1945	31	5.6	28	7.0	39	10.3	45	13.1
1946	30	7.1	49	11.0	46	13.2	40	14.0
1947	22	6.1	35	8.8	39	11.0	33	11.0
1948	27	5.8	37	7.2	40	9.9	47	13.1
1949	38	10.3	44	12.8	55	19.4	60	21.7
1950	17	4.6	36	9.2	43	12.2	59	18.3
Normal	26	5.7	38	9.3	45	13.2	46	15.6

<u>East Rim (Hoback River)</u>								
1941	-	-	-	-	35	10.4	32	11.0
1942	-	-	-	-	32	7.0	32	7.9
1943	-	-	-	-	51	15.9	54	18.1
1944	-	-	-	-	27	5.8	31	7.1
1945	-	-	-	-	31	6.8	33	8.6
1946	-	-	-	-	39	9.5	41	11.6
1947	-	-	-	-	32	8.2	35	9.7
1948	-	-	-	-	31	9.1	34	7.7
1949	-	-	-	-	41	11.4	42	12.5
1950	-	-	-	-	46	15.8	54	17.4
Normal	17	3.4	-	-	36	9.7	39	11.5

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W	S	W
<u>Bryan Flat (Hoback River)</u>								
1941	24	5.3	26	5.8	33	9.5	23	9.0
1942	19	3.2	23	5.2	29	5.4	28	7.4
1943	42	10.9	55	13.5	57	17.4	44	14.4
1944	5	0.8	14	2.0	19	3.2	21	5.2
1945	22	3.5	23	4.0	28	7.7	31	7.7
1946	25	5.4	35	7.2	38	7.2	33	9.4
1947	18	4.1	25	6.5	25	7.4	24	9.0
1948	17	4.1	22	4.1	31	7.1	29	7.8
1949	30	6.9	38	9.3	46	14.5	46	15.9
1950	13	2.0	28	7.9	31	9.9	33	11.4
Normal	18	3.8	27	6.2	33	9.1	32	10.0

<u>Yellowjacket Flat (Gros Ventre River)</u>								
1941	-	-	19	3.3	-	-	23	5.1
1942	-	-	21	3.3	-	-	21	4.3
1943	-	-	-	-	47	10.1	45	12.3
1944	-	-	-	-	16	1.0	20	4.7
1946	-	-	-	-	26	5.9	28	5.7
1947	-	-	-	-	24	5.4	25	5.9
1948	-	-	-	-	21	4.7	22	4.9
1949	-	-	27	4.8	30	6.9	30	8.2
1950	-	-	-	-	25	6.0	26	8.3
Normal	11	1.9	19	3.4	27	5.8	27	6.7

<u>Grover Park Divide (Salt River)</u>								
1941	27	4.6	30	7.0	31	9.1	21	8.0
1942	-	-	26	5.2	31	8.5	28	8.8
1943	33	7.6	46	13.8	43	13.9	45	15.2
1944	16	3.0	24	4.4	27	6.1	36	7.8
1945	31	4.2	28	5.4	32	8.2	42	11.2
1946	25	4.1	44	8.0	39	10.0	32	9.1
1947	20	4.8	30	6.8	34	8.1	26	8.3
1948	18	4.0	23	5.4	29	6.6	37	9.5
1949	29	6.8	35	8.9	42	12.6	42	13.4
1950	18	3.9	36	9.8	40	12.2	51	16.6
Normal	22	4.4	31	7.4	35	9.9	37	11.2

<u>CCC Camp FF12 (Salt River)</u>								
1941	23	4.4	25	6.6	31	8.1	23	8.2
1942	-	-	24	4.5	29	6.8	26	7.2
1943	33	7.4	50	14.7	46	14.2	48	15.7
1944	16	2.1	21	3.8	28	5.9	40	9.3
1945	-	-	26	5.3	34	9.3	40	10.5
1946	24	4.6	32	7.1	38	8.5	32	9.0
1947	25	5.3	37	8.4	38	9.9	32	10.6
1948	16	3.5	25	5.9	33	8.2	35	9.5
1949	27	6.4	34	8.5	42	12.0	38	12.5
1950	16	3.4	45	11.3	41	12.8	47	16.1
Normal	21	4.3	31	7.3	36	9.9	37	11.5

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W	S	W
<u>Deadman Ranch (Greys River)</u>								
1941	29	5.9	29	8.0	31	10.7	20	8.0
1942	19	2.0	24	3.8	31	5.8	29	6.7
1943	-	-	59	17.4	57	19.8	54	18.4
1944	-	-	16	1.3	18	2.9	20	5.3
1945	28	4.0	26	4.0	33	8.8	32	8.5
1946	29	3.9	34	7.5	37	10.6	25	9.2
1947	20	6.5	28	5.7	27	7.8	18	6.3
1948	-	-	-	-	33	7.8	33	9.5
1949	-	-	-	-	38	11.5	34	12.2
1950	-	-	-	-	33	12.2	47	14.5
Normal	20	3.4	30	6.4	34	9.8	30	9.6
<u>Greys Boundary (Greys River)</u>								
1941	-	-	26	5.6	28	8.9	16	5.9
1942	24	4.1	26	5.9	36	8.1	31	8.9
1943	44	10.5	46	12.2	47	15.5	41	14.7
1944	7	1.0	18	3.0	20	4.9	18	5.3
1945	26	4.8	25	5.5	32	9.1	40	13.1
1946	28	6.9	42	8.6	42	12.9	30	11.5
1947	14	3.7	20	5.7	21	6.7	16	6.6
1948	19	4.5	23	6.6	32	9.0	34	11.6
1949	33	8.1	39	10.7	51	16.6	39	16.5
1950	21	3.1	28	6.1	32	9.3	40	13.9
Normal	21	4.6	30	7.0	35	10.5	30	11.0

On April 1, 1950 the snow supply averaged about the following percentages of normal on different sections of the watershed: Jackson Lake 115%, Tributaries Moran to Heise 125%, Island Park 130%, Fall River 115%, Teton River 115%. Run-off for year ending September 30, 1950 was the following percentage of normal: Moran 113%, Heise 120%, Island Park 104%, Fall River 107%, Teton River 114%.

1950 REGULATION SCHEDULE

July 18	Cut off rights later than Jan. 22, 1916
" 19	Cut off rights later than Aug. 6, 1908
" 20	Cut off rights later than Oct. 7, 1905
" 25	Cut off rights later than Mar. 26, 1903
" 27	Cut off rights later than Oct. 11, 1900
Aug. 2	Cut off all 1900 rights above Blackfoot
" 5	Restored July 5, 1900 rights
" 8	Cut off 1900 rights above Blackfoot
" 9	Cut off 1898 rights
" 10	Cut off rights later than July 1, 1896
" 17	Cut off June 1, 1895 rights

Aug. 18	Filled 80% Feb. 6, 1895 rights
" 24	Filled 50% Feb. 6, 1895 rights
" 30	Filled 40% Feb. 6, 1895 rights
Sept. 5	Cut off Feb. 6, 1895 rights.
" 6	Cut off Aug. 18, 1894 rights
" 9	Restored 1900 priority rights
" 10	Restored 1902 priority rights
" 11	Restored June 1, 1905 rights
" 15	Restored 1920 rights

From September 15th to 30th the natural flow was sufficient to partly fill the U. S. right of Mar. 30, 1921 priority. During this period the available supply for this right was divided 50-50 between the Gooding Canal and American Falls Reservoir in accordance with the order of the Secretary of the Interior.

It was necessary to cut off June 1, 1900 rights on Henrys Fork on July 21, about 10 days in advance of similar cut on Snake River. The supply on Teton River was sufficient to satisfy requirements on that stream without delivering any water thru the Cross Cut canal into Teton River during 1950.

Storage releases from the various reservoirs began on the following dates: American Falls, July 18; Jackson Lake, July 21; Island Park, July 21; Henrys Lake, July 28; Grassy Lake, August 9. The release from Grassy Lake was made to draw the lake level down for the winter rather than from any need on Fall River for the water.

River regulation in 1950 did not begin until 20 days later than in 1949. The natural flow diminished at a gradual rate thruout the season until the low point was reached Sept. 6-9 when the Aug. 18, 1894 rights were cut off. Rains Sept. 9-11 greatly reduced the irrigation demand in the upper valley and resulted in restoration of all rights in that section.

WATER SUPPLY

Run-off at various gaging stations during the year ending September 30, 1950, was as follows:

<u>Station</u>	<u>1950 run-off (acre-feet)</u>	<u>Average run-off past years (acre-feet)</u>	<u>Years of record</u>	<u>1950 % of average</u>
Snake R. at Moran	1,168,000	1,032,000	47	113
Snake R. at Heise	6,057,000	5,047,000	47	120
Snake R. at Neeley	6,571,000	5,676,000	54	116
Fall R. near Squirrel	579,400	542,200	37	107
Teton R. near St. Anthony	622,900	548,300	23	114
Henry's Fk. at Warm River	751,000	720,200	36	104
Henry's Fk. nr. Rexburg	1,617,000	1,399,000	42	116

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

The peak floodwater discharge at the Moran gaging station occurred on June 30 and amounted to 7,910 second-feet, at which time Jackson Lake was full. A peak of about 10,000 second-feet would have occurred June 7-8 except for water being stored in Jackson Lake. About half of Jackson Lake capacity was held in 1950 for flood water storage which began about May 24. In addition to reducing the floodwater peak that would have otherwise occurred this greatly decreased the length of the flood water period so that a flow in excess of 6,000 second-feet at the Moran gaging station only lasted for seven days in 1950.

The peak flow at the Heise station, amounting to 28,300 second-feet, occurred July 3, at which time Jackson Lake was full and spilling about 7,000 second-feet. Except for water being stored in Jackson Lake, however, a floodwater flow of about 36,000 second-feet would have occurred at Heise on June 8 and about 33,000 second-feet on June 18.

Due to channel improvements and levees constructed by the U. S. Corps of Engineers during recent years there was no serious flood water damages reported in the Heise-Roberts section during the 1950 flood water season altho any further substantial increase in river flow would likely have caused some damage.

The maximum flow of Snake River at the Blackfoot station occurred June 10 and amounted to 26,100 second-feet. This caused some overflow and erosion at several points along the river banks between Shelley and the mouth of Blackfoot River. Some overflow along the Blackfoot River near Blackfoot damaged the crops on irrigated lands in that vicinity.

The maximum discharge of 18,400 second-feet in Snake River below Milner dam occurred on June 28 but caused no damage as far as known.

The following tabulation shows the comparison between run-off estimates by the Weather Bureau last spring and actual run-off at the various gaging stations where such estimates were made for gaging stations in District No. 36:

Comparison of run-off estimates by U. S. Weather Bureau,
Year ending September 30, 1950. Thousands of acre-feet.

<u>Station</u>	<u>April 1 estimate</u>	<u>May 1 estimate</u>	<u>Actual Run-off</u>	<u>% variation from actual run-off</u>	
				<u>April 1 estimate</u>	<u>May 1 estimate</u>
SNAKE - Moran	1,060	1,020	1,168	- 9	- 13
Heise	4,960	4,840	5,760	- 14	- 16
Shelley	3,920	3,800	5,225	- 25	- 27
Blackfoot	2,980	2,840	4,415	- 32	- 36
Neeley	5,300	5,170	6,571	- 19	- 21
Minidoka	4,250	4,070	5,941	- 28	- 31
Milner	1,720	1,540	3,103	- 45	- 50
Henrys Fk - Warm R.	746	727	751	- 1	- 3
Rexburg	1,560	1,510	1,541	✓ 1	- 2
Fall R. - Squirrel	608	603	579	✓ 5	✓ 4
Teton - St. Anthony	578	562	623	- 7	- 10

At the stations in the headwater areas the estimates proved to be fairly close to the actual run-off but they became progressively greater in error going downstream. The April 1st estimates were generally more accurate than the May 1st estimates. The fact that the run-off at most points was greater than the estimates was due in part to greater than usual return-flows to the river. It may also be worthy of note that the temperatures during the snow melting months of May, June and July averaged about 3° below normal in the headwater areas and about 2° below normal in the irrigated valley areas. This no doubt resulted in less than normal evaporation and transpiration losses. The average precipitation during these three months did not vary greatly from normal.

The difficulties inherent in accurate predictions of run-off prior to the snow melting period may be expected to become more apparent in future years when Palisades reservoir is operated under the plan for flood control proposed by the Bureau of Reclamation and the Army Engineers. It appears likely that future experience may indicate the need for some revision in the details of the plan as now proposed.

Water spilled to waste past Milner during the year ending September 30, 1950, in excess of Idaho Power Company rights, amounted to 2,559,000 acre-feet. There have been only two years since 1926 when American Falls reservoir was built that a greater spill past Milner has occurred: 1928 when the spill was 3,830,000 acre-feet and 1943 when the spill was 2,680,000 acre-feet.

Holdovers on Sept. 30 in acre-feet

<u>Year</u>	<u>Jackson Lake</u>	<u>American Falls</u>	<u>Lake Walcott</u>	<u>Henrys Lake</u>	<u>Island Park</u>	<u>Grassy Lake</u>	<u>Total</u>
1941	226,110	319,800	18,850	38,900	39,230	8,170	651,060
1942	321,330	410,360	93,550	43,810	60,620	10,910	940,580
1943	650,340	897,050	42,710	76,200	84,050	14,750	1,765,100
1944	300,570	534,450	78,020	55,900	51,900	6,420	1,027,260
1945	568,030	924,820	91,460	64,200	56,775	13,400	1,718,685
1946	402,740	718,970	83,770	62,700	51,465	12,110	1,331,755
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
Average	401,900	661,760	78,040	57,180	56,950	11,520	1,267,350

The combined capacity of these reservoirs when full is 2,872,000 acre-feet. The 1950 holdover was about 61% of capacity.

TRANSFERS AND EXCHANGES

The following water right transfers were granted by the State Reclamation Engineer in accordance with statutory procedure:

Transfer Certificate No. 755.— 0.4 second-feet June 1, 1886 of waters of Snake River transferred by Donald N. Anderson from lands under Watson Slough to lands under Danskin Ditch.

Transfer Certificate No. 757.— 3.246 second-feet Oct. 3, 1904 of waters of Henrys Fork transferred by Hugh C. and Royal Sorensen from lands in Sec. 2, T. 5 N., R. 38 E., and Sec. 35, T. 6 N., R. 38 E. to lands in Sec. 36, T. 6 N., R. 38 E. No change in point of diversion.

Transfer Certificate No. 764.— 1.44 second-feet June 1, 1885 of waters of Snake River, transferred by Ralph S. and Veta Moss from lands under Steele Ditch to lands under Great Western Canal, subject to a deduction of 10% for transmission losses between old and new points of diversion.

Change in Point of Diversion. Order No. 204.— By Edgar Barney. 4 second-feet June 1, 1890 of waters of Fall River and 1.2 second-feet June 1, 1894 of waters of Black Spring Creek. Former point of diversion in Sec. 18, T. 8 N., R. 42 E.; new point of diversion in Sec. 35, T. 9 N., R. 43 E.

LITIGATION

The following summary decree was awarded in the Idaho District Court, Ninth Judicial District, State of Idaho, in an uncontested

suit against the Watermaster:

Hal Rasmussen, 3.2 second-feet of waters of Pearl Creek,
June 1, 1914 priority;

L. N. Ballard, 3.2 second-feet of waters of Pearl Creek,
June 1, 1914 priority.

These are flood waters which have been used for irrigation of
lands in Teton Basin.

COMMUNITY LATERAL MANAGERS

The following appointments were made by the Watermaster for the
1950 irrigation season upon the request of water-users under the
several laterals:

M. E. Burkeman	Johnson High Line lateral from New Lava Side Canal
Byrd Colson	Old highline ditch from Peoples Canal
Wallace Lindsay	Roseview lateral from New Lava Side Canal.

CANAL DELIVERIES

Daily diversions from Snake River during the 1950 irrigation
season by canals between Heise and Blackfoot are shown on Plates 6-10
inclusive. No records of diversions by these canals during non-
irrigation season have been secured since those made by the Bureau of
Reclamation and shown in the annual District No. 36 reports for 1943
and 1944. The winter diversions may have decreased somewhat since
that time as there have been a number of domestic wells drilled since
then, decreasing the demand upon the canals for domestic water. It
is noted that on May 1, 1950 most of the canals above Shelley were
practically dry and the total diversions above that point at that
time were several hundred second-feet less than on the same date in
1943 and 1944.

Records for the entire years of diversions by canals below
American Falls are shown on Plates 35 to 45 inclusive. Measurements

on some of the principal canals and streams in the headwater areas are shown on Plate 24.

Total diversions during the 1950 irrigation season by all water-users in the District, as tabulated in the annual watermaster's bill, amounted to 7,450,000 acre-feet, about 90,000 acre-feet less than in 1949. Except on the headwater creeks the water-users diverted all the water they wanted under 1950 weather and crop conditions, limited only by canal capacities.

Diversions during 1950 irrigation season by Snake
River Canals (downstream order from Heise)

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

Canal	Diversions (acre-feet)	Acres Irrigated	Acre-feet per acre
Riley	4,810	870	5.5
Anderson & Eagle Rock	185,000 (a)	31,538	5.9
Farmers Friend	83,500	10,500	7.9
Enterprise	38,200	5,000 (b)	7.6
Nelson	740	80	9.3
Mattson & Arnsberger	3,810	500	7.6
Ross & Rand	1,040	170	6.1
Butler Island	10,700	1,200	8.9
Steele	1,940	280	6.9
Harrison	106,000	12,750	8.3
Cheney	1,430	200	7.1
Boomer & Rudy	48,700	5,500	8.8
Kite & Nord	1,630	200	8.1
Burgess	207,000	22,000	9.4
Clark & Edwards	19,100	1,800	10.6
Lowder & Jennings	12,100	1,100	11.0
East Labelle	31,600	2,600	12.1
Sunnydell	34,200	3,800	9.0
Lenroot	28,200	4,200	6.7
Reid	38,000	5,300	7.2
Texas Feeder	75,600	9,000	8.4
Nelson-Corey	2,050	460	4.5
Hill-Pettinger	930	160	5.8
Rigby	40,100	4,000	10.0
Dilts	7,080	700	10.1
Island	42,200	3,600	11.7
W. Labelle-Long Island	125,000	10,000	12.5
Parks & Lewisville	95,400	7,000	13.6
North Rigby	14,700	1,500	9.8
White	1,000	160	6.2
Ellis	1,350	120	11.2

Canal	Diversions (acre-feet)	Acres Irrigated	Acre-feet per acre
Bramwell	2,290	200	11.4
Butte & Market Lake	83,600	20,000	4.2
Osgood	29,200	6,400	4.6
Bear Island & Smith	990	240	4.1
Idaho	242,000 (a)	35,849	6.6
Kennedy	11,600	2,600	4.5
Great Western & Porter	197,000	30,000	6.6
Coy & Kellar	370	70	5.3
Woodville	20,600	3,000	6.9
Snake River Valley	138,000 (a)	21,211	6.5
Reservation	54,400 (c)	32,500	1.7
Blackfoot	84,000	14,000	6.0
New Lava Side	39,000	6,000	6.5
Peoples	136,000	18,000	7.6
Aberdeen	323,000	63,000	5.1
Corbett	47,900	6,000	8.0
Nielsen-Hansen	1,890	460	4.1
Riverside	34,700	3,500	9.9
Danskin	57,400	6,000	9.6
Trego	16,700	1,600	10.4
Wearyrick	15,700	1,600	9.8
Watson	27,900	3,000	9.3
Parsons	9,540	800	11.9
Minidoka Irr. Dist.	458,000	70,940	6.5
Burley Irr. Dist.	301,600	46,000	6.5
North Side Canal Co.	1,084,000	161,480	6.7
Twin Falls Canal	1,053,000	202,706	5.2
Milner Low Lift	52,970	9,133	5.8
Gooding Project	448,000	65,062	6.9
Total	6,234,460	977,639	6.4

(a) Received some additional water from Willow and Sand Creeks

(b) About 1,900 acres of this supplied thru Eagle Rock Canal after August 18

(c) Received additional water from Blackfoot River and Sand Creek.

Total diversions by the main river canals were about 100,000 acre-feet less in 1950 than in 1949. All of this decrease occurred in the upper valley above American Falls. While the 1950 diversions were less than in 1949 they were still above the average diversions for the past 10 years. Of 3,397,570 acre-feet diverted by lower valley canals 887,410 acre-feet, or 26%, was stored water. Of 2,836,890 acre-feet diverted by upper valley main river canals

between Heise and Blackfoot 160,870 acre-feet, or 6%, was stored water. These percentages are about the same as in the high water year of 1943.

The following tabulation shows the monthly diversions in various sections of the District during the past 10 years:

Diversions in Thousands of Acre-feet
Heise to Blackfoot

<u>Year</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
1941	444	618	648	492	434	2636
1942	314	684	720	588	391	2697
1943	417	545	750	666	510	2888
1944	327	406	679	610	415	2437
1945	337	455	700	629	453	2574
1946	504	585	738	606	400	2833
1947	573	565	774	626	424	2962
1948	301	588	738	627	410	2664
1949	459	646	766	622	466	2959
1950	417	550	746	699	426	2838
Average	409	564	726	616	433	2748

Henrys Fork and Tributaries
(excluding headwater creeks)

1941	209	216	183	146	93	847
1942	151	243	211	176	103	884
1943	165	209	218	188	119	899
1944	157	176	192	178	102	805
1945	141	181	206	168	109	805
1946	215	212	206	175	93	901
1947	198	195	223	173	102	891
1948	144	229	215	173	109	870
1949	201	218	216	174	116	925
1950	181	225	240	205	103	954
Average	176	210	211	176	105	878

1941-50 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>
1941	20	152	125	169	148	90	704
1942	15	87	155	181	170	101	709
1943	33	162	105	182	167	103	752
1944	16	115	85	180	167	106	669
1945	7	121	122	178	167	102	697
1946	30	154	136	180	160	82	742
1947	50	164	93	182	164	101	754
1948	24	152	150	181	162	94	763
1949	53	139	144	175	153	96	760
1950	34	150	136	184	161	97	762
Average	28	140	125	179	162	97	731

North Side Canal Co. Project

1941	67	186	172	206	194	110	935
1942	71	178	189	217	221	161	1037
1943	70	195	180	222	225	170	1062
1944	47	156	159	219	219	163	963
1945	54	185	177	223	220	154	1013
1946	61	206	201	226	226	137	1057
1947	81	211	175	228	223	159	1077
1948	67	201	210	224	224	153	1079
1949	65	215	204	231	232	142	1089
1950	73	195	206	233	225	171	1103
Average	66	193	187	223	221	152	1042

Twin Falls Project

1941	101	194	174	209	214	138	1030
1942	82	175	177	212	216	149	1011
1943	97	200	166	214	221	156	1054
1944	53	160	148	212	218	161	952
1945	53	184	175	214	217	156	999
1946	78	202	194	213	217	133	1037
1947	91	212	170	220	220	141	1054
1948	84	202	195	215	223	150	1069
1949	86	211	193	219	217	145	1071
1950	68	194	201	222	219	164	1068
Average	80	193	179	215	218	149	1034

Gooding Project

1941	21	71	75	96	88	63	414
1942	18	77	78	96	90	67	426
1943	2	64	62	91	92	57	368
1944	5	63	73	93	90	67	391
1945	14	75	77	90	80	61	397
1946	19	80	85	90	79	57	410
1947	28	79	71	88	78	59	403
1948	21	76	77	89	83	67	413
1949	25	76	84	93	84	65	427
1950	21	79	89	96	90	73	448
Average	17	74	77	92	85	64	409

Upper valley diversions Heise to Blackfoot did not vary greatly from average except during August when due to good growing weather and slight precipitation they were the greatest ever recorded for that month and about 83,000 acre-feet above average.

Henrys Fork diversions were above average every month except September when heavy rains reduced the use of irrigation water. Total diversions for the season were 76,000 acre-feet in excess of average due to fully sustained natural flow until after mid-July.

Seasonal diversions by lower valley projects ranged from 3% to 9% above average, the greatest increase being in the Gooding Canal where some increase in irrigated acreage was reported.

RIVER DATA

Daily segregation of stored water and normal flow at the various gaging stations is shown on Plates 12-13. The losses charged on stored water between gaging stations are based on the transmission loss schedule adopted at the annual water meeting and shown on page 1 of this report.

The segregation of stored water and normal flow at Moran is based on the daily drop in Jackson Lake, which is converted to second-feet and the balance of the flow at the Moran station is listed as stored water. The computed quantities are smoothed out over short periods to eliminate irregularities due to wind effect on the Lake gage, etc. From the stored water so computed are subtracted daily the storage diversions and storage loss Moran to Heise, giving daily storage at Heise. This practice is continued on downstream as far as Blackfoot, giving a theoretical daily storage flow that should be in the river at Blackfoot. At the Blackfoot gaging station after the

1900 priority rights are cut the normal flow for 1950 conditions was computed as 180 second-feet ground-water inflow plus flow in Blackfoot River, and subtracted from total flow to get storage. The seasonal totals of storage passing the Blackfoot station are made to equal the total seasonal theoretical storage balance at Blackfoot. It is the practice, however, when storage draft first begins at Jackson Lake to let the priority cuts lag a day or so behind, holding the rights on with stored water until 10,000 to 15,000 acre-feet of storage has been used for that purpose. This is to compensate for additional evaporation losses caused by building the Jackson Lake reservoir, and lag in return flow along the river due to maintaining high river levels with stored water releases. Later on in the season when Jackson Lake has been lowered so that there is some bank storage return from its shores and also at times when cuts in storage releases from that Lake result in return flow from bank storage along the river channel, an equal quantity of such return flow is delivered as stored water. This procedure is designed to restore pre-reservoir conditions insofar as determining natural flow is concerned and is based on special studies and investigations made in by-gone years.

Stored water discharged past the Blackfoot station during 1950 amounted to 53,288 second-feet or 105,800 acre-feet. If the necessity had existed this could have been reduced somewhat by closer river operation but the holdover in Jackson Lake was sufficient to insure the filling of that reservoir in 1951 so a little extra water was kept in the river passing Blackfoot, enabling the canals in that section to divert a steady flow and saving them the expense of building and maintaining temporary gravel dams in the river. After August 1st the

Reservation Canal diverted at an irregular and fluctuating rate of flow which also resulted in some excess spill past Blackfoot.

The inflow from Blackfoot to Neeley stations is shown on Plate 11. Daily records were secured of the flow of the Portneuf River at Pocatello and the Aberdeen-Springfield Canal Company furnished daily estimates of flow in its wasteways. The flow of the various spring creeks was measured on May 16, June 5, 16, July 7, 24, August 11, 25, Sept. 25, and the discharge interpolated on intervening days.

STORED WATER DELIVERIES

The contract amounts of water were allotted by the Bureau of Reclamation in American Falls and Jackson Lake reservoirs as follows:

1950 Allotment in Acre-feet (Downstream order from Heise)

<u>Canal</u>	<u>American Falls</u>		<u>Jackson</u>	<u>Total</u>
	<u>Regular</u>	<u>Lease</u>	<u>Lake</u>	
Poplar Irr. Dist.	793	350	1,200	2,343
Progressive Irr. Dist.	14,609	6,110	0	20,719
Farmers Friend	0	0	2,000	2,000
Enterprise Canal Co.	10,509	4,800	6,100	21,409
Harrison Canal Co	11,994	6,084	5,000	23,078
Rudy	2,000	3,735	2,000	7,735
Burgess	7,496	10,300	5,120	22,916
Lowder	0	0	1,040	1,040
Sunnydell	0	0	4,000	4,000
Lenroot	4,504	2,200	3,000	9,704
Reid	3,002	1,320	0	4,322
Dilts	1,034	432	0	1,466
Enterprise Irr. Dist.	12,000	3,000	0	15,000
Butte & Market Lake	3,002	11,156	0	14,158
Osgood	15,852	8,600	0	24,452
Bear Island	225	105	0	330
Smith	79	32	0	111
Kennedy	0	0	355	355
Idaho	26,986	9,910	0	36,896
Martin	2,250	1,260	1,500	5,010
New Sweden Irr. Dist.	28,528	14,000	5,000	47,528
Woodville	9,000	740	0	9,740
Snake River Valley	27,643	13,000	15,000	55,643
Blackfoot	15,033	6,600	0	21,633
Peoples	22,519	14,710	8,000	45,229
Aberdeen	41,333	67,420	42,685	151,438

<u>Canal</u>	<u>American Falls</u>		<u>Jackson Lake</u>	<u>Total</u>
	<u>Regular</u>	<u>Lease</u>		
Corbett	4,000	1,540	0	5,540
Trego	1,462	563	0	2,025
Minidoka District	50,000	21,000	186,030	257,030
Burley District	0	24,000	139,780	163,780
Milner Low Lift	34,113	15,000	0	49,113
Twin Falls Canal	151,185	0	97,183	248,368
Hillsdale Irr. Dist.	41,146	0	0	41,146
N. S. Canal Co.	279,110	172,033	322,007	773,150
Gooding Project	400,000	0	0	400,000
Idaho Power Co.	45,000	0	0	45,000
U. S.	0	13,593	0	13,593
Total	1,266,407	433,593	847,000	2,547,000

The United States withheld 13,593 acre-feet of the lease water which it rented to non-lease holders. The distribution of the rented Government water was as follows:

Swan Valley	109 acre-feet
Main river upper valley	11,184 "
Island Park	200 "
Canyon Creek	1,200 "
Lower valley below American Falls	900 "
Total	13,593 acre-feet

The Twin Falls Canal Company rented 990 acre-feet of its Jackson Lake water to upper valley users. The owner of Market Lake Spring rented 900 acre-feet to several upper valley canals.

The details of the water rented by individual canals are shown under the notes on Plate 14. All rentals were for 30¢ per acre-foot.

Total leases and rentals of American Falls water by upper valley canals (including Henrys Fork) in 1950 amounted to 200,660 acre-feet. Due to the large natural flow run-off very little of this lease water was used and most of it still remained in the reservoirs at the close of the season.

The allotment from Lake Walcott to the Minidoka Project was 93,090 acre-feet on July 18 when storage use started. Lake Walcott

still held this much water on September 30 so no storage draft occurred from that Lake in 1950. The gain from Neeley to Milner during period of storage draft by the Minidoka project July 18 to September 11, amounting to 41,700 acre-feet, was allotted to that project as part of its storage supply.

Water from Market Lake Springs delivered to Snake River during period of storage use amounted to 900 acre-feet which was rented to various users.

Due to higher than usual levels of American Falls Reservoir during the months July to September a loss of 16,750 acre-feet or about 1% of capacity occurred in that reservoir during the period of storage draft. About 19,000 acre-feet of storage water, classed as operation waste, was spilled past Milner during the period of storage use July 18-September 30.

There were about 20,800 acre-feet of natural flow credited to American Falls Reservoir September 14-30 under its storage priority right and there was also an unallocated gain Neeley to Milner September 12-30 of 24,100 acre-feet. These various items at and below American Falls were not charged or credited to specific rights as the large holdovers by all companies rendered it unnecessary under conditions existing in 1950.

Summarized details of stored water supply and use during the 1950 season are shown in the following tabulation:

Supply and disposal of stored water, 1950
(acre-feet)

Supply

Jackson Lake, July 21	851,580
American Falls, July 17	1,700,560
Lake Walcott, July 18	93,090
Grassy Lake, Aug. 9	15,182

Supply (continued)

Island Park, July 21	133,270
Henrys Lake, July 28	78,972
Sheridan Creek right	1,357*
Credited to American Falls, Sept. 14-30	20,800
Gain Neeley to Milner July 18-Sept. 11)	
allotted to Minidoka Project)	41,700*
Gain Neeley to Milner Sept. 12-30)	
unallocated)	24,100*
Market Lake Springs	900*
Boom Creek	66*
Indian Lake	127*
Total	2,961,704

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

Disposal

Used by Snake River rights	1,092,668
Used by Henrys Fork rights	61,794
Transmission losses Snake River	28,414
Transmission losses Henrys Fork	1,743
Henrys Lake loss	869
American Falls loss	16,750
Storage waste past Milner	19,000
Holdovers:	
Jackson Lake, Sept. 10	552,960
American Falls, Sept. 30	925,620
Lake Walcott, Sept. 30	93,200
Grassy Lake, Sept. 29	12,158
Island Park, Sept. 13	87,720
Henrys Lake, Sept. 12	68,842
Total	2,961,738

The following tabulation shows storage used from Jackson Lake and American Falls reservoirs during 1950. In preparing this table all upper valley canals were charged 7.26% loss from Moran to Shelley as provided in their storage contracts. No storage losses were charged to canals below American Falls.

Storage used during 1950 irrigation season
from Jackson Lake and American Falls Reservoirs
 (acre-feet)

<u>Canal</u>	<u>Jackson Lake</u>		<u>American Falls</u>	
	<u>at Reservoir</u>	<u>at Headgate</u>	<u>at Reservoir</u>	<u>at Headgate</u>
Aberdeen	29,604	27,451	0	0
Am. Falls Dist. #2	0	0	192,474	192,474
John E. Austin	50	46	0	0
Clara E. Austin	105	97	0	0
John H. Austin	0	0	90	83
Blackfoot	0	0	746	692
Burgess	5,120	4,749	6,340	5,877
Butte & Market Lake	0	0	1,342	1,244
Corbett	0	0	0	0
Dilts	0	0	0	0
Enterprise Canal Co.	6,100	5,658	9,098	8,438
Enterprise Irr. Dist.	0	0	15,000	13,910
Farmers Friend	1,576	1,472	0	0
Harrison	2,844	2,638	0	0
Idaho Irr. Dist.	0	0	13,540	12,556
Idaho Power Co.	0	0	43,438	43,438
Klussman	0	0	130	121
Lenroot	3,000	2,783	884	819
Lowder	47	44	0	0
Martin	1,500	1,391	2,195	2,031
Milner Low Lift	0	0	21,664	21,664
Minidoka Project (a)	154,758	154,758	50,000	50,000
New Sweden Dist.	5,000	4,637	15,717	14,577
N. S. Canal Co. (b)	0	0	350,047	350,047
Owners Mutual	200	186	0	0
Peoples Canal	8,000	7,419	4,973	4,613
Poplar Irr. Dist.	1,200	1,113	1,026	951
Progressive Irr. Dist.	0	0	9,658	8,958
Reid	0	0	740	686
Rudy	2,000	1,855	2,913	2,702
S. R. Valley Dist.	15,000	13,910	6,046	5,609
Sunnydell	3,475	3,223	0	0
Trego	0	0	100	93
Twin Falls Canal (c)	990	918	76,768	76,768
Utah-Idaho Sugar Co.	0	0	7,880	7,307
Woodville	0	0	107	99
Miscell. U.S.rentals	0	0	10,600	9,884
Total	240,569	234,348	843,516	835,641

(a) Exchanged for American Falls after using 41,700 gain
 Neeley to Milner. Did not use any Lake Walcott water
 in 1950.

(b) Includes Hillsdale District.

(c) Rented to upper valley users.

RIVER LOSSES AND GAINS

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

Gain in Snake River, Moran to Heise, 1950
(Heise dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Total
Moran	43,291	54,549	137,700	130,510	48,993	415,043
Heise & Riley	454,110	687,194	561,038	308,679	181,635	2,192,656
Tot. gain s.f.	410,819	632,645	423,338	178,169	132,642	1,777,613
Mean gain s.f.	13,250	21,090	13,660	5,747	4,421	11,620
Tot. gain ac.ft.	814,847	1,254,833	839,678	353,393	263,091	3,525,842

The daily gain averaged about 3,400 second-feet greater than in 1949. It was 81% of the run-off at Heise compared to 71% for the same period a year ago. This large inflow between Moran and Heise greatly reduced the stored water draft on Jackson Lake in 1950 compared to that in 1949.

Gain in Snake River, Heise to Shelley, 1950
(Heise dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Total
Heise & Riley	454,110	687,194	561,038	308,679	181,635	2,192,656
Rexburg	89,910	135,600	68,693	37,327	61,770	393,300
Tot. Supply	544,020	822,794	629,731	346,006	243,405	2,585,956
Diversions	135,347	193,611	268,828	252,545	153,166	1,003,497
Shelley	409,960	659,800	405,260	137,940	133,840	1,746,800
Total use	545,307	853,411	674,088	390,485	287,006	2,750,297
Total gain	1,287	30,617	44,357	44,479	43,601	164,341
Mean gain s.f.	42	1,021	1,431	1,435	1,453	1,074
Tot. gain ac.ft.	2,552	60,728	87,981	88,223	86,481	325,965

The mean gain was about 200 second-feet greater than in 1949. It averaged about 1,440 second-feet during the upper valley regulation period July 18-Sept. 11. Due to unrestricted supply of water until July 18 there was probably more surface waste spilled back from the canals to the river than is the case in years when regulation begins at an earlier date.

Gain or loss in Snake River, Shelley to Blackfoot, 1950
(Shelley dates and 24-hr. sec.-ft. except as noted)
Loss is -

Station	May	June	July	Aug.	Sept.	Total
Shelley	402,500	658,900	416,230	139,280	133,510	1,750,420
Blackfoot R.	17,922	12,191	2,395	3,345	7,139	42,992
Total supply	420,422	671,091	418,625	142,625	140,649	1,793,412

Gain or loss Snake River, Shelley to Blackfoot (continued)

Station	May	June	July	Aug.	Sept.	Season
Diversions	74,683	83,819	107,179	99,776	62,053	427,510
Blackfoot	336,280	577,990	310,016	52,950	89,597	1,366,833
Total Use	410,963	661,809	417,195	152,726	151,650	1,794,343
Tot.diff.s.f. -	9,459	- 9,282	- 1,430	10,101	11,001	931
Mean diff.s.f. -	305	- 309	- 46	326	367	6
Tot.diff.a.f. -	18,761	-18,410	- 2,836	20,035	21,820	1,848

A daily loss of about 300 second-feet occurred during the flood period, followed by a daily gain of about 345 second-feet during the regulation period when the discharge past Blackfoot was reduced to as small a flow as feasible.

Loss in Snake River, Blackfoot to Neeley, 1950
(Neeley dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Season
Blackfoot	328,990	578,050	322,561	55,155	87,332	1,372,088
Inflow	109,035	98,328	89,707	89,898	92,090	479,058
Res. draft	30,452	-108,618	107,035	208,796	78,257	315,922
Total supply	468,477	567,760	519,303	353,849	257,679	2,167,068
Neeley	456,920	561,140	513,600	353,600	252,050	2,137,310
Tot.loss s.f.	11,557	6,620	5,703	249	5,629	29,758
Mean loss s.f.	373	221	184	8	188	194
Tot.loss a.f.	22,923	13,131	11,311	494	11,165	59,024

Due to higher than average levels of American Falls reservoir thruout the season there was an indicated loss each month. The loss during the period of storage draft July 18 to Sept. 30 amounted to 16,750 acre-feet or about 1% of reservoir capacity.

Gain or Loss in Snake River, Neeley to Minidoka, 1950
(Minidoka dates and 24-hr. sec.-ft. except as noted)
Loss is -

Station	May	June	July	Aug.	Sept.	Season
Neeley	456,187	558,340	517,233	354,000	253,870	2,139,630
Walcott rel.	-2,990	- 610	- 303	1,145	766	-1,992
Total supply	453,197	557,730	516,930	355,145	254,636	2,137,638
Thornton-Nelson	80	100	124	124	60	488
N.Minidoka	41,897	36,108	51,660	43,430	26,302	199,397
S.Minidoka	33,891	32,289	41,030	37,650	22,470	167,330
Minidoka	386,000	499,680	419,610	272,990	211,130	1,789,410
Total Use	461,868	568,177	512,424	354,194	259,962	2,156,625
Tot.diff.s.f.	8,671	10,447	-4,506	- 951	5,326	18,987
Mean diff.s.f.	280	348	- 145	- 31	178	124
Tot.diff.a.f.	17,199	20,722	-8,938	-1,886	10,564	37,661

Apparently due to greater unmeasured inflow there was a seasonal gain in this section of 37,860 acre-feet compared to a seasonal loss during the same period in 1949 of 3,924 acre-feet. The gain occurred during the flood period in May and June and during September.

Gain in Snake River, Minidoka to Milner, 1950
(Milner dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Total
Minidoka	384,750	496,130	425,470	273,160	212,790	1,792,300
P. A.	1,892	1,860	2,180	2,174	1,362	9,468
Wahl	60	90	93	93	30	366
Milner Low Lift	4,978	5,153	5,812	5,731	4,593	26,267
Gooding	66,850	72,590	78,880	77,090	65,560	360,970
No. Side	69,190	74,730	84,580	79,560	55,978	364,038
So. Side	98,050	101,440	111,890	110,530	82,920	504,830
Milner	149,799	252,201	149,877	11,435	16,193	579,505
Tot. use s.f.	390,819	508,064	433,312	286,613	226,636	1,845,444
Tot. gain s.f.	6,069	11,934	7,842	13,453	13,846	53,144
Mean gain s.f.	196	398	253	434	461	347
Tot. gain ac.ft.	12,038	23,671	15,554	26,684	27,463	105,410

The daily gain in this section averaged 347 second-feet compared to 332 second-feet in 1949. The net gain Neeley to Milner during the period of storage use by the Minidoka Project, July 18 to September 11, amounting to 41,700 acre-feet, was credited to that project.

DISTRIBUTION ON HENRYS FORK

Melvin Luke, Deputy Watermaster, with office at St. Anthony, was again in immediate charge of water distribution on Henrys Fork and tributaries, except Teton Basin. All reservoirs filled with stored water release beginning July 21 at Island Park, July 28 at Henrys Lake, and August 9 at Grassy Lake. The release from Grassy Lake was made only for the purpose of drawing the lake level down as it was deemed inadvisable to go thru the winter with the lake full of water.

The methods of segregating stored water and natural flow at the several reservoirs which have been fully described in the annual reports for previous years were continued during 1950.

On July 21 rights of June 1, 1900 priority were cut off on Henrys Fork and Fall River, about 10 days in advance of similar cuts on Snake

River. During the balance of the season the priority cuts on Henrys Fork and tributaries followed the Snake River regulation schedule shown on pages 10 and 11. No water was carried thru the Cross Cut Canal to Teton River during 1950. A slight shortage existed on the lower Teton River for a week or so after July 21 when the canals could not get quite as much water as they would have liked, but they managed to get along with the supply available without requiring the Cross Cut Canal to be put in operation.

The long continued high water season on Teton River resulted in well maintained "sub" levels, consequently so much surface water was not required during the latter part of the season as is needed in drier years. Under these conditions all stored water diverted from Teton River in 1950 came from the natural flow of that stream that would otherwise have been carried down Teton River to fill earlier priorities on Snake River and Henrys Fork.

Only one trip, on August 9-10, was made into the Island Park section for regulation in that area. A number of the users there have acquired water rights in the Fremont-Madison Irrigation District that they exchange for natural flow, and consequently get along with less trouble than formerly was the case. The water supply on Sheridan Creek in 1950 appeared to be adequate for local needs. No request was received for appointment of a deputy on that stream as has been made during the past several years.

Stored water allotments from Henrys Fork reservoirs in 1950 were made as follows:

Henrys Lake Allotment 1950

Lake contents July 28	78,972 acre-feet
Estimate dead storage and loss	<u>3,000</u> "
Net available	75,972 acre-feet

Allotted:

Dewey	1.43%	1,086	acre-feet
Last Chance	13.87	10,537	"
St. Anthony Union	6.8	5,166	"
Salem Union	24.2	18,385	"
Egin	6.8	5,166	"
Independent	26.8	20,361	"
Consolidated Farmers	20.1	15,271	"
Total		75,972	acre-feet

The drop in Henrys Lake from July 28 to September 12 amounted to 10,130 acre-feet. At the outflow station during this period there were 9,261 acre-feet of storage released under the inflow-outflow method of segregation being used. This left an indicated loss in Henrys Lake of 869 acre-feet. It is possible that there was more ground-water inflow into the lake than calculated and that the lake loss was really somewhat greater than above indicated. The amounts of water involved at Henrys Lake are so small that it is not worth the expense necessary to get continuous, accurate inflow records into that lake.

Fremont-Madison District Allotment
1950

Island Park, July 21	133,270	acre-feet
Sheridan Creek right	1,357	"
Greassy Lake, August 9	15,182	"
Total	149,809	acre-feet

The District allotted 124,093 acre-feet of its stored water in 1950, leaving about 25,000 acre-feet unallotted. There are a number of the canals serving lands within this district that do not have enough stored water for dry years and it may reasonably be anticipated that the district will rapidly dispose of its presently unallocated water as soon as a dry year or two occurs. Pending such time individual landowners are reluctant to assume the additional financial burden of

making payments on stored water not needed during the present series of years of bountiful run-off.

The storage balance for the season at the Rexburg gaging station amounted to -2,178 second-feet or -4,320 acre-feet, indicating that Henrys Fork canals actually used 4,320 acre-feet of American Falls storage, Rexburg measurement, exchanged for Jackson Lake water, during 1950. There were about 5,000 acre-feet of Henrys Fork storage that spilled past Rexburg September 10-14, due to rains reducing irrigation demand, before the stored water release was finally all shut off at Island Park.

Diversions during 1950 irrigation season on
Henrys Fork, Fall River and lower Teton River.

Canal	Diversions (acre-feet)	Area Irrigated (acres)	Acre-feet per acre
<u>Fall River Canals</u>			
Yellowstone	2,040	700	2.9
Marysville	42,400	15,000	2.8
Farmers Own	13,500	4,600	2.9
Enterprise	33,400	5,900	5.7
Bell	1,750	320	5.5
Fall River	92,600 (a)	8,600	10.7
Chester	15,600	1,350	11.5
McBee	580	120	4.8
Silkey	2,200	680	3.2
Cur	9,160	1,300	7.0
Total Fall River	213,230	38,570	5.5

(a) includes 18,600 diverted thru Cross Cut.

<u>Henrys Fork Canals</u>			
Dewey	6,180	1,000	6.2
Last Chance	17,200	1,840	9.3
St. Anthony Union	128,000	10,000	12.8
Farmers Friend	28,600	2,800	10.2
Twin Groves	35,500	2,500	14.2
Salem Union	48,300	5,200	9.3
Egin	74,600	6,000	12.4
St. Anthony Un. Feeder	17,800	2,000	8.9
Independent	83,800	7,000	12.0
Consol. Farmers	51,600	6,000	8.6
Total Henrys Fork	491,580	44,340	11.1

1950 Diversions on Henrys Fork, Fall R. & lower Teton R. - cont'd.

Canal	Diversions (acre-feet)	Area Irrigated (acres)	Acre-feet per acre
<u>Lower Teton Canals</u>			
Siddoway	2,670	500	5.3
Wilford	29,500	2,500	11.8
Teton Irrig.	20,700	2,000	10.3
Good Luck	3,840	360	10.6
Pioneer	2,690	300	9.0
Stewart	3,580	390	9.2
Pincock-Byington	1,860	320	5.8
Pincock-Garner	4,370	400	10.9
Teton Isl. Feeder	96,000	10,400	9.2
North Salem	0	500 (b)	0
Roxana	3,080	720	4.3
Island Ward	9,750 (c)	3,000	3.2
Woodmansee-Johnson	8,740 (d)	1,000	8.7
City of Rexburg	8,560	1,200	7.1
Rexburg Irrigation	50,900	5,400	9.4
McCormick Rowe	700	150	4.7
Saurey Sommers	3,320	600	5.5
Gardner	80	200	0.4
Thompson-Eames	60	40	1.5
Total Lower Teton	250,400	29,980	8.3
Total Henrys Fork, Fall River, & Lower Teton R.	955,210	112,890	8.5

(b) No diversions. Land sub-irrigated.

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

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

Total Diversions were about 30,000 acre-feet greater than a year ago. The above canals used 61,300 acre-feet of stored water or 6.4% of their seasonal diversions, compared to 134,800 acre-feet of storage in 1949.

Diversions by some of the larger canals in the headwater areas for the period May 15-September 30, were as follows:

Canal	Diversions (acre-feet)	Area (acres)	Acre-feet per acre
String Canal	16,400	2,400	6.8
Trail Cr. Irrig.	39,100	5,000	7.8
Fox Cr. canals	18,100	3,800	4.8
Darby Cr. Canals	24,800	4,900	5.1
Grand Teton	39,400	6,500	6.1
Canyon Creek	6,450	2,400	2.7
Conant Creek	3,160	2,000	1.6
Squirrel Creek	1,170	400	2.9

Practically all of these canals diverted substantially greater amounts of water than they did in 1949. They are entirely dependent on the natural flow of the streams which held up to better sustained levels in 1950 than in the previous year.

Gain in Henrys Fork Basin, 1950

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

Lake to Island Park	20 hrs.
Island Park to Warm River	14 "
Warm River to Ashton	5 "
Ashton to St. Anthony	5 "
St. Anthony to Rexburg	12 "
Squirrel to Chester	8 "
Tetonia to St. Anthony	10 "

Gain in Henrys Fork, Lake to Island Park, 1950

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

Station	May	June	July	Aug.	Sept.	Season
Lake	385	546	3,206	4,484	1,999	10,620
I. P. release	- 4,863	204	4,111	13,716	5,859	19,027
Total supply	- 4,478	750	7,317	18,200	7,858	29,647
Island Park	23,485	24,787	21,422	31,869	21,643	123,206
Tot. gain s.f.	27,963	24,037	14,105	13,669	13,785	93,559
Mean gain s.f.	902	801	455	441	460	611
Tot. gain ac.ft.	55,464	47,676	27,977	27,112	27,342	185,571

The total gain for the season was about the same as in 1949 altho more of the flood-water run-off occurred in June and less in May than during these months a year ago. The average gain during the regular period after July 18 was almost identical with the 1949 figures.

Gain in Henrys Fork, Island Park to Warm River, 1950

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

Station	May	June	July	Aug.	Sept.	Season
Island Park	23,344	24,847	21,299	31,767	22,029	123,286
Warm River	46,735	42,870	35,952	43,560	34,205	203,322
Tot.gain s.f.	23,391	18,023	14,653	11,793	12,176	80,036
Mean gain s.f.	755	601	473	380	406	523
Tot.gain ac.ft.	46,396	35,748	29,064	23,391	24,151	158,750

The gain was greater each month than in 1949, being about 18,000 acre-feet greater during the five months period, an average daily increase of 60 second-feet.

Gain in Henrys Fork, Warm River to Ashton, 1950

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

Station	May	June	July	Aug.	Sept.	Season
Warm River	46,666	42,945	35,912	43,548	34,307	203,378
Ashton	69,880	61,260	47,370	55,190	45,310	279,010
Tot.gain s.f.	23,214	18,315	11,458	11,642	11,003	75,632
Mean gain s.f.	749	610	370	376	367	494
Tot.gain ac.ft.	46,044	36,327	22,726	23,091	21,824	150,012

The gain for the season was 25,000 acre-feet less than during the same period in 1949.

Gain in Henrys Fork, Ashton to St. Anthony, 1950

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

Station	May	June	July	Aug.	Sept.	Season
Ashton	69,763	61,381	47,361	55,165	45,450	279,120
Chester	45,456	62,092	27,905	5,612	12,082	153,147
Total supply	115,219	123,473	75,266	60,777	57,532	432,267
Diversions	32,246	30,537	32,060	31,592	15,792	142,227
St. Anthony	86,100	95,550	49,825	32,955	46,190	310,620
Total use	118,346	126,087	81,885	64,547	61,982	452,847
Tot.gain s.f.	3,127	2,614	6,619	3,770	4,450	20,580
Mean gain s.f.	101	87	214	122	148	135
Tot.gain ac.ft.	6,202	5,185	13,129	7,477	8,827	40,820

The seasonal gain was practically the same as in 1949, apparently the result of the higher ground-water levels during the past two years.

Gain in Fall River, Squirrel to Chester, 1950

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

Station	May	June	July	Aug.	Sept.	Season
Squirrel	44,871	69,233	43,704	16,503	17,585	191,896
Diversions	10,106	19,434	22,082	15,369	8,722	75,713
Chester	45,753	62,100	27,487	5,633	12,133	153,106
Tot. acct. for	55,859	81,534	49,569	21,002	20,855	228,819
Tot. gain s.f.	10,988	12,301	5,865	4,499	3,270	36,923
Mean gain s.f.	354	410	189	145	109	242
Tot. gain ac. ft.	21,795	24,399	11,633	8,924	6,486	73,237

The gain in this section was slightly greater than a year ago, the average daily increase amounting to 15 second-feet.

Gain in Teton River, Tetonia to St. Anthony, 1950

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

Station	May	June	July	Aug.	Sept.	Season
Tetonia	13,733	25,756	29,418	16,588	13,359	98,854
St. Anthony	37,833	66,430	48,297	24,640	20,971	198,171
Tot. gain s.f.	24,100	40,674	18,879	8,052	7,612	99,317
Mean gain s.f.	777	1,356	609	260	254	649
Tot. gain ac. ft.	47,801	80,676	37,445	15,971	15,098	196,991

The total gain for the season was 2,000 acre-feet or about 1% greater than in 1949. During July and August, however, the gain was substantially greater than during those months a year ago, making it unnecessary to augment the supply by deliveries thru the Cross Cut Canal.

Gain in Henrys Fork and Teton River, St. Anthony to Rexburg, 1950

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

Station	May	June	July	Aug.	Sept.	Season
Teton River	37,833	66,430	48,297	24,640	20,971	198,171
St. Anthony	86,100	95,550	49,825	32,955	46,190	310,620
Total Supply	123,933	161,980	98,122	57,595	67,161	508,791
H. Fork diver.	28,581	27,304	25,051	22,433	11,502	114,871
Teton diver.	19,985	31,927	33,960	26,416	13,786	126,074
Rexburg	91,130	135,275	67,413	37,397	62,235	393,450
Tot. acct. for	139,696	194,506	126,424	86,246	87,523	634,395
Tot. gain s.f.	15,763	32,526	28,302	28,651	20,362	125,604
Mean gain s.f.	508	1,084	913	924	679	821
Tot. gain ac. ft.	31,265	64,514	56,136	56,828	40,387	249,130

The seasonal gain was about 63,000 acre-feet greater than in 1949, due to greater diversions, higher ground-water levels, and probably less transpiration losses in the "sub" area due to cooler temperatures.

MISCELLANEOUS MEASUREMENTS 1950

<u>Date</u>	<u>Stream</u>	<u>Discharge</u> (sec.-ft.)
June 22	Stanley Loosli pump from Black Springs near Ashton	3.2
July 14	Big Springs at Big Springs, Island Park	187

TETON BASIN

C. D. Cooper again filled the position of deputy watermaster in Teton Basin during 1950. There was a well sustained stream flow until after mid-July which furnished more water than has been available during the past several years, consequently less trouble was experienced in its distribution.

The users on the interstate streams of Teton Creek and South Leigh Creek where some trouble arose in 1949 got along quite peaceably in 1950 largely due to the more abundant water supply.

Daily discharge records of the flow of the Grand Teton Canal and Teton Creek below Grand Teton Canal during 1950 were secured and occasional measurements were made of the various Wyoming diversions from Teton Creek. This information will be made available to the engineering sub-committee of the Idaho-Wyoming compact commissions which is engaged in a study of the inter-state water situation in Teton Basin.

In accordance with the agreement arrived at during the preceding year between upper and lower users on Teton River, stored water was diverted in Teton Basin during 1950 by exchange for natural flow on

the basis of 1.625 times the amount of storage delivered at the St. Anthony gaging station on Teton River.

The water right regulation schedule in Teton Basin was the same as the Snake River schedule shown on pages 10 and 11. Inasmuch as all natural flow priority rights continued to be filled until after mid-summer and rights of earlier than 1894 priority were never cut at all there was less storage used in Teton Basin in 1950 than usual. Total storage diversions were 3,336 acre-feet equivalent to 2,104 acre-feet in Island Park Reservoir. The reservoir allotment in Teton Basin, including 70 acre-feet of rented storage, amounted to 6,767 acre-feet.

Interstate regulation on Teton Creek was handled by C. D. Cooper for Idaho and T. Ross Wilson for Wyoming. Records of various diversions from this stream are shown on Plate 24.

The following measurement of loss in Teton Creek was made on June 27, 1950: (second-feet)

Teton Creek below Grand Teton Canal		234
Price Fairbanks Canal	29	
Central (Idaho) Canal	40	
Christensen-Cordon Canal	1	
Teton Creek at live water 1/4 mi. east of highway	65	
	135	135
Loss Grand Teton Canal to live water		99

The following miscellaneous measurements, not shown on Plate 24, were made at the points indicated in Teton basin during 1950: (flow in second-feet)

	<u>June 15</u>	<u>June 30</u>	<u>July 19</u>	<u>Aug. 14</u>
Horseshoe Cr. above diversions	56	32.3	10.9	9.3

	<u>June 15</u>	<u>June 30</u>	<u>July 19</u>	<u>Aug. 14</u>
Packsaddle Cr. above diver.		(June 29) 39.4	13.3	4.1
Mahogany Cr. above diversions	30.5	(June 30) 46.4	17.6	14.2
Teton Cr. at highway South of Driggs			<u>July 13</u> 195	

Seth Hansen was appointed as local deputy watermaster on South Leigh Creek. The local water-users paid \$2.50 per day of his salary to cover his services distributing water down the canals. This arrangement resulted in more satisfactory service than has occurred in past years on this stream.

DISTRIBUTION IN SWAN VALLEY SECTION

George Weeks acted as deputy watermaster in this section. He also acted as watermaster on the local canals for which service the water-users concerned paid \$2.25 per day of his salary as a special charge.

Due to the high natural flow run-off and relatively late priority rights being filled thruout the season the users in this section had to rent only 234 acre-feet of storage in 1950.

PRECIPITATION IN INCHES
(Actual and normal for year ending September 30, 1950)

Month	<u>Snake R., Wyo.</u>		<u>Moran, Wyo.</u>		<u>Jackson, Wyo.</u>		<u>Bedford, Wyo.</u>		<u>Irwin, Ida.</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.	2.58	2.01	2.57	1.59	2.41	1.19	4.02	1.56	2.52	1.26
Nov.	3.06	2.69	1.52	1.78	.14	1.04	1.18	1.43	1.46	1.15
Dec.	2.71	3.01	1.37	1.95	.92	1.53	2.57	1.69	1.16	1.25
Jan.	4.50	4.10	3.16	2.31	1.58	1.62	4.06	1.97	2.20	1.42
Feb.	4.00	2.90	2.60	2.23	1.67	1.57	1.93	1.77	1.22	1.15
Mar.	5.77	3.29	2.96	2.08	1.68	1.32	3.15	1.74	2.65	1.14
Apr.	1.48	2.19	1.46	1.77	.54	1.35	1.05	1.61	.65	1.06
May	1.84	2.37	1.65	1.87	1.07	1.76	.94	2.01	.89	1.67
June	3.00	2.45	1.92	1.83	.77	1.35	1.73	1.72	1.73	1.53
July	4.39	1.48	1.03	1.21	1.64	.92	1.23	.97	1.07	.97
Aug.	.31	1.58	.42	1.40	.36	1.43	.49	1.16	.62	.87
Sept.	5.30	1.69	3.11	1.65	2.63	1.48	2.91	1.26	2.84	1.18
Year	38.94	29.76	23.77	21.67	15.41	16.56	25.26	18.89	19.01	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.	2.81	1.28	.81	.98	1.17	1.68	.85	.91	2.19	1.38
Nov.	2.26	1.30	.76	.79	.76	1.03	.95	1.08	1.34	1.36
Dec.	1.95	1.64	.62	1.06	.56	1.15	.16	.90	1.33	1.58
Jan.	.92	1.88	.61	1.31	2.54	1.34	2.61	1.10	2.46	1.89
Feb.	2.11	1.52	.69	.97	.34	1.20	.21	.88	1.64	1.57
Mar.	2.50	1.21	1.40	1.08	1.48	1.28	1.71	.85	2.59	1.55
Apr.	.98	1.16	.34	.94	.44	1.47	.48	1.11	.82	1.41
May	1.73	1.71	.50	1.24	.77	1.73	.39	1.03	1.09	1.71
June	2.20	1.66	1.62	1.21	1.21	1.09	.74	.81	1.66	1.51
July	.31	.94	.38	.62	.68	.77	.27	.35	1.22	.91
Aug.	.49	.79	.25	.59	.09	.50	.12	.22	.35	.95
Sept.	2.24	1.12	1.27	.82	.81	.74	.77	.57	2.43	1.17
Year	20.50	16.21	9.25	11.61	10.85	13.98	9.26	9.81	19.12	16.99

Precipitation was generally well above normal in October, January, March and September. It was considerably deficient in April, May, and August. The precipitation for the year was about 13% above normal as an average for the nine stations.

EXPENDITURES DURING YEAR ENDING DECEMBER 31, 1950

Engineers and Hydrographers

Lynn Crandall	Salary 1 year	\$7,961.49
Henry C. Eagle	Salary 1 year	5,599.88
Melvin Luke	Salary 5 months @ \$300.00	1,500.00
A. H. Bush	Salary 3.23 " @ \$250.00	806.45
Oleen Dummer	Salary 3.96 " @ \$250.00	990.47
C. D. Cooper	Salary 3.26 " @ \$250.00	816.13

Clerk

Charlotte M. Elg	Salary 1 year	3,231.84
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River Riders:

D. R. Anthony	62 days @ \$8.75 incl. mileage	542.50
H. M. Bramwell	62 days @ \$8.75 " "	542.50
D. W. Dick	31 days @ \$9.75 " "	302.25
Carl J. Anderson	62 days @ \$8.50 " "	527.00
Geo. Weeks	88 days @ \$8.50 " "	748.00
Elmer Lenz	1.78 mos. @ \$60 mo. " "	107.10
Joe Bohi	62 days @ \$9.25 " "	573.50
Don Riggs	63 days @ \$8.75 " "	551.25
Seth Hansen	(44 days @ \$2.50) (93 hrs. @ \$2.00) " "	296.00

Miscellaneous

Transportation, 40,078 miles @ 7¢ a mile	2,805.46
Telephone and Telegraph	297.65
Supplies and Equipment	1,313.43
Gage Readers	638.42
Bond Premium and Insurance	60.11
Construction and Repairs	467.65
Miscellaneous	550.85

Total	\$31,229.93
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Expenditures from various funds

Water-users funds	\$17,306.79
State of Idaho Stream Gaging Fund	3,125.01
U. S. Geological Survey	10,798.13

Total	\$31,229.93
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In addition to the foregoing, upper valley members of the Committee of Nine were paid \$897.71 for services at \$10.00 per day, and expenses, which was pro-rated among upper valley canals.

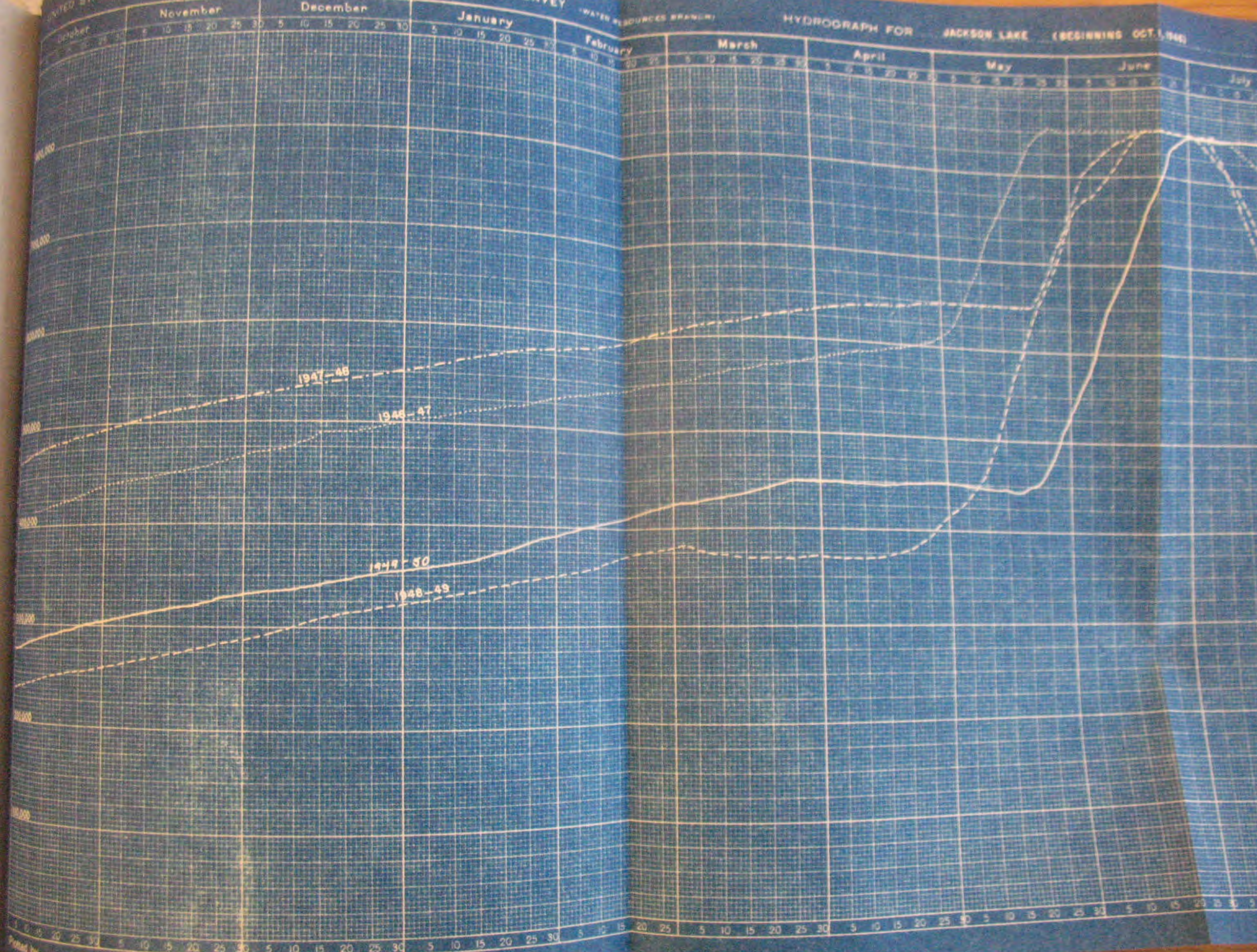
Funds on hand January 1, 1951

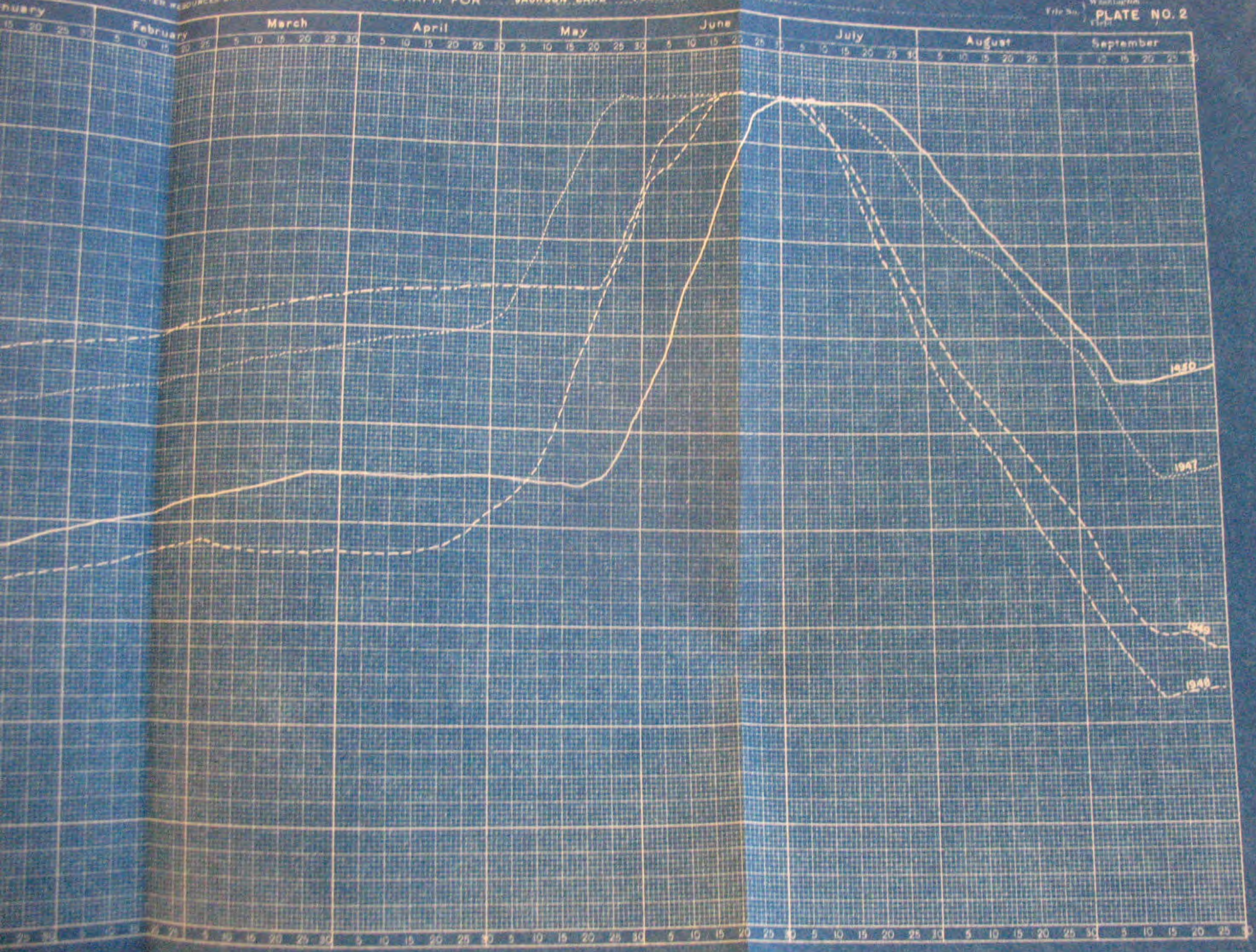
District No. 36 Water Distribution Fund	\$ 9,707.45
State of Idaho Stream Gaging Fund	1,666.66
U. S. Geological Survey	<u>4,070.04</u>
Total	\$15,444.15

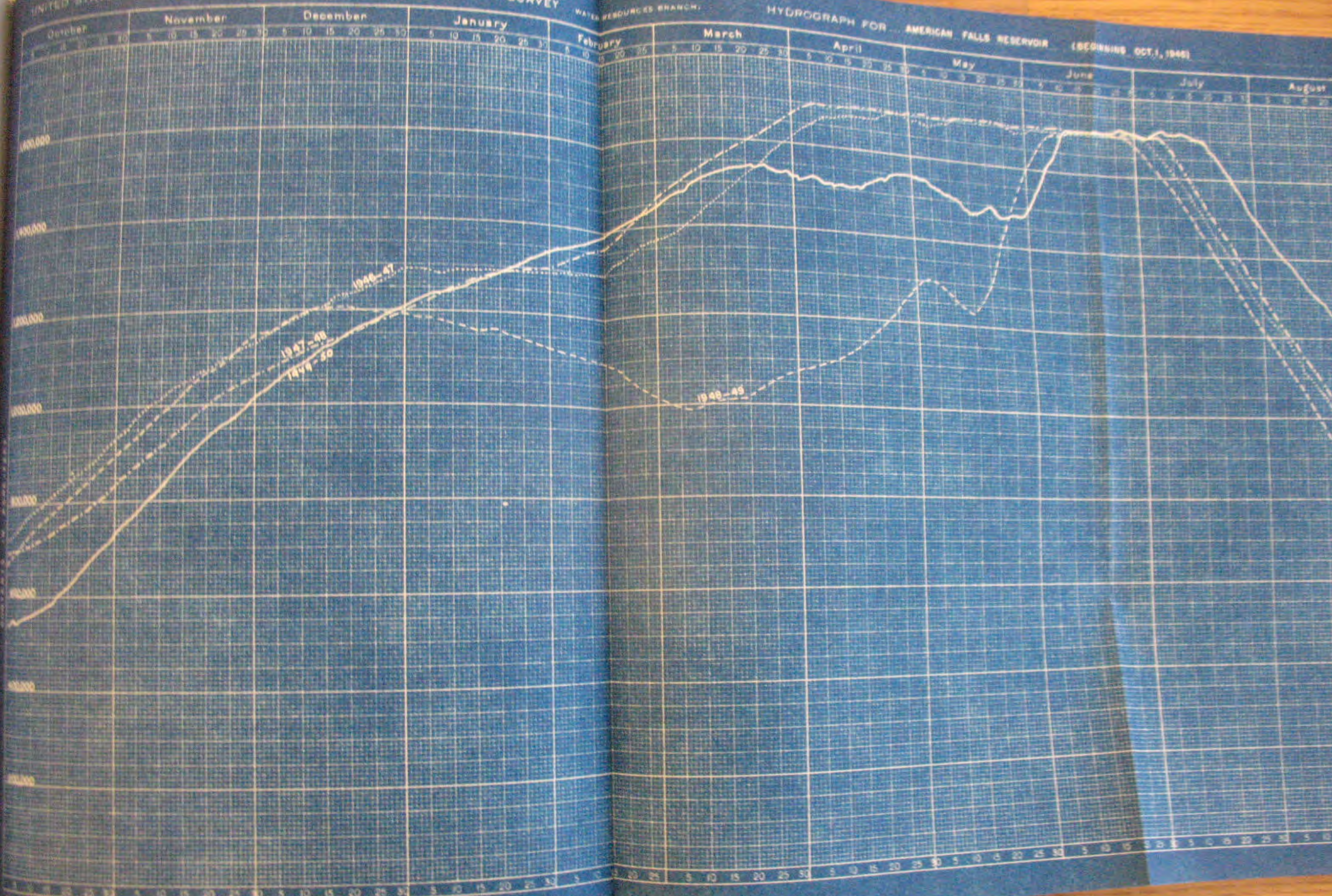
PRINCIPAL STREAMS AND GAGING STATIONS WATER DISTRICT NO. 36

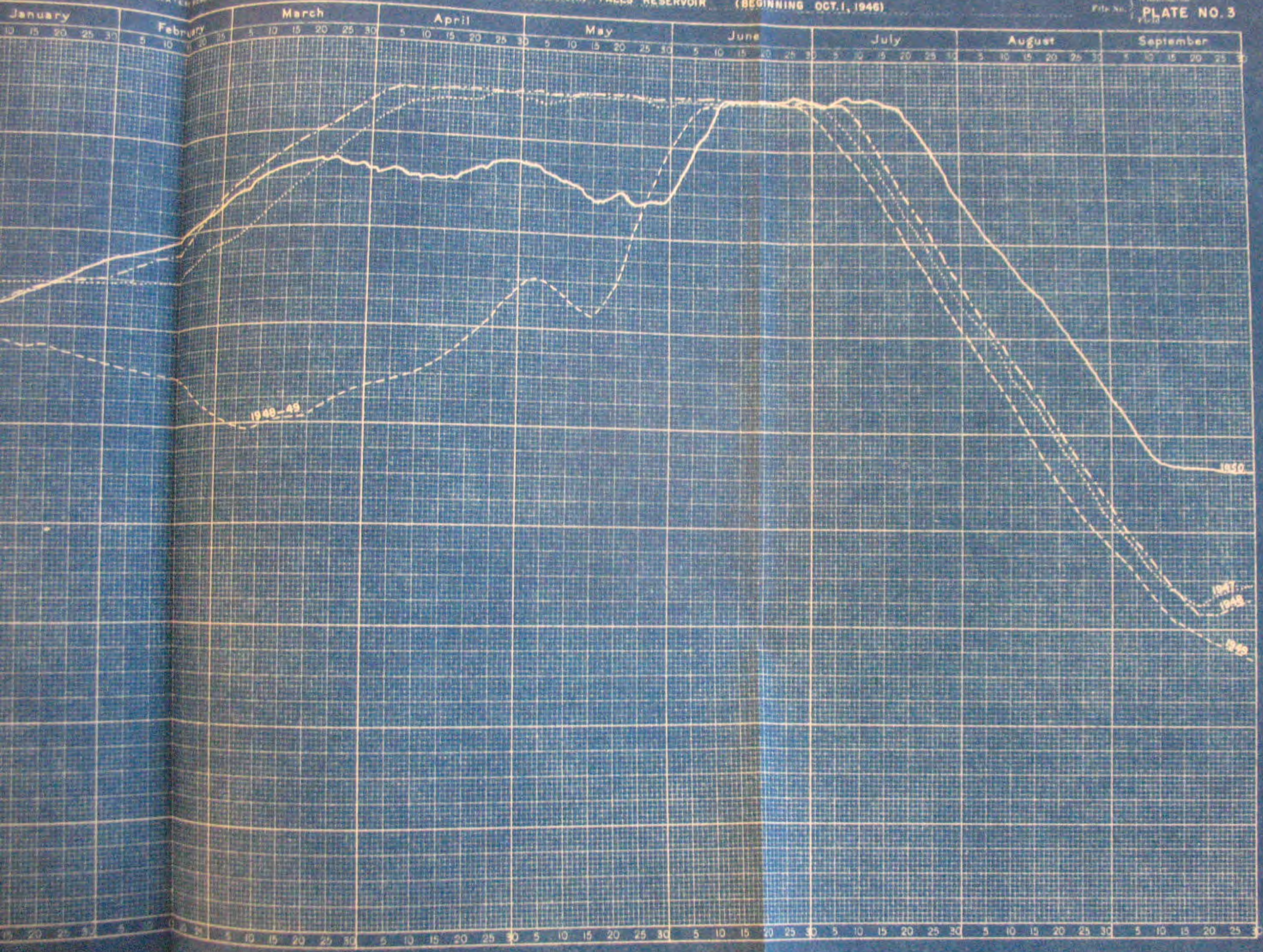
NO.	STATION
1	JACKSON LAKE AT MORAN
2	SNAKE RIVER AT MORAN
3	SNAKE RIVER NEAR HEISE
4	SNAKE RIVER NEAR SHELLEY
5	SNAKE RIVER AT CLOUGH RANCH, NEAR BLACKFOOT
6	AMERICAN FALLS RESERVOIR AT AMERICAN FALLS
7	SNAKE RIVER AT NEEDLEY
8	LAKE WALCOTT NEAR MINIDOKA
9	NORTH SIDE CANAL NEAR MINIDOKA
10	SOUTH SIDE CANAL NEAR MINIDOKA
11	SNAKE RIVER NEAR MINIDOKA
12	P.A. LATERAL NEAR MILNER
13	GOODING CANAL AT MILNER
14	NORTH SIDE CANAL AT MILNER
15	SOUTH SIDE CANAL AT MILNER
16	MILNER LOW LIFT CANAL AT MILNER
17	SNAKE RIVER AT MILNER
18	HENRY'S LAKE NEAR LAKE
19	HENRY'S FORK NEAR LAKE
20	ISLAND PARK RESERVOIR NEAR ISLAND PARK
21	HENRY'S FORK NEAR ISLAND PARK
22	HENRY'S FORK AT WARM RIVER
23	HENRY'S FORK NEAR ASHTON
24	GRASSY LAKE NEAR MORAN
25	FALL RIVER NEAR SQUIRREL
26	FALL RIVER NEAR CHESTER
27	HENRY'S FORK AT ST. ANTHONY
28	TETON RIVER NEAR TETONIA
29	TETON RIVER NEAR ST. ANTHONY
30	HENRY'S FORK NEAR REXBURG
31	BLACKFOOT RIVER NEAR BLACKFOOT
32	SNAKE RIVER NEAR IRWIN



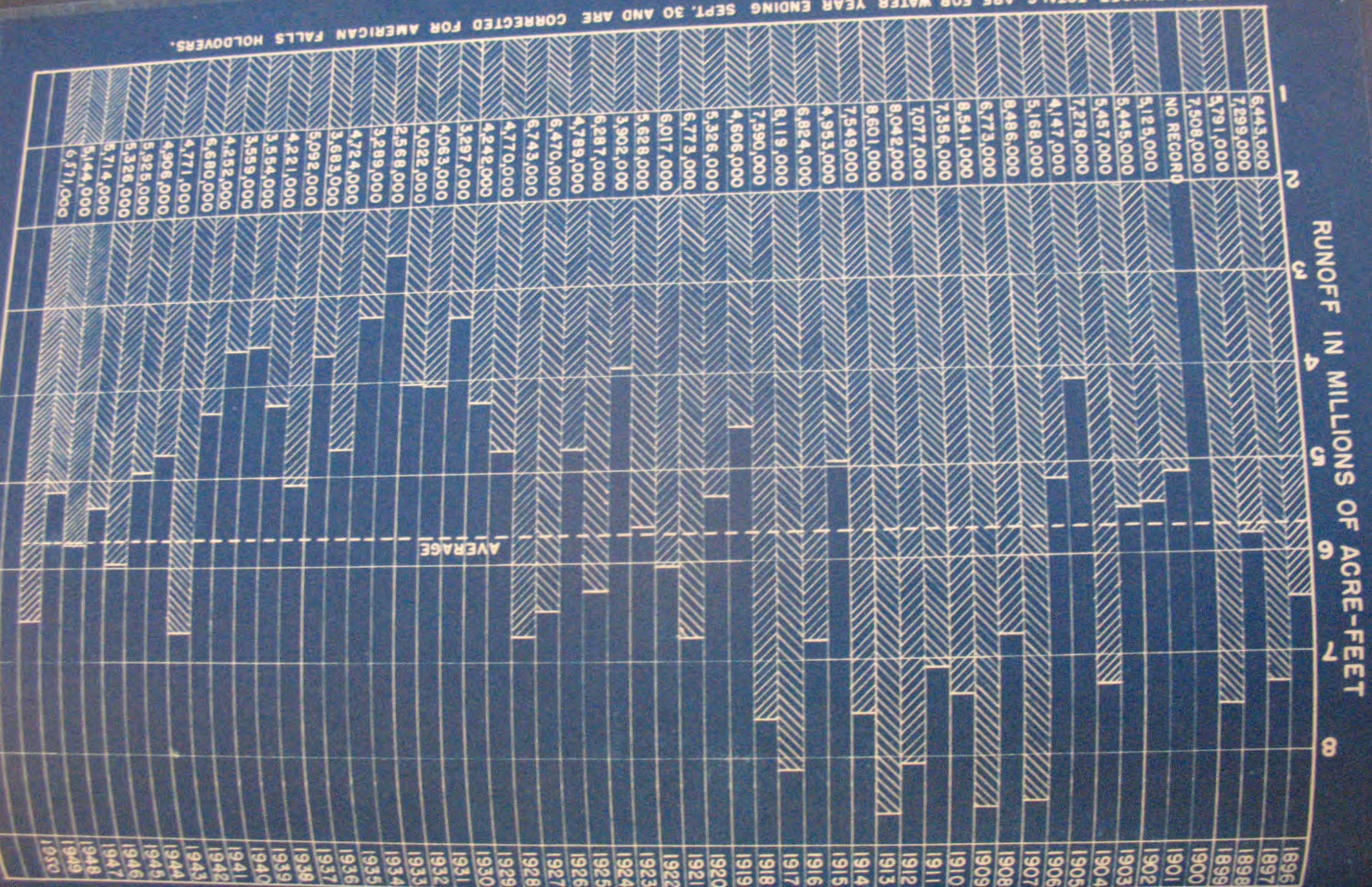








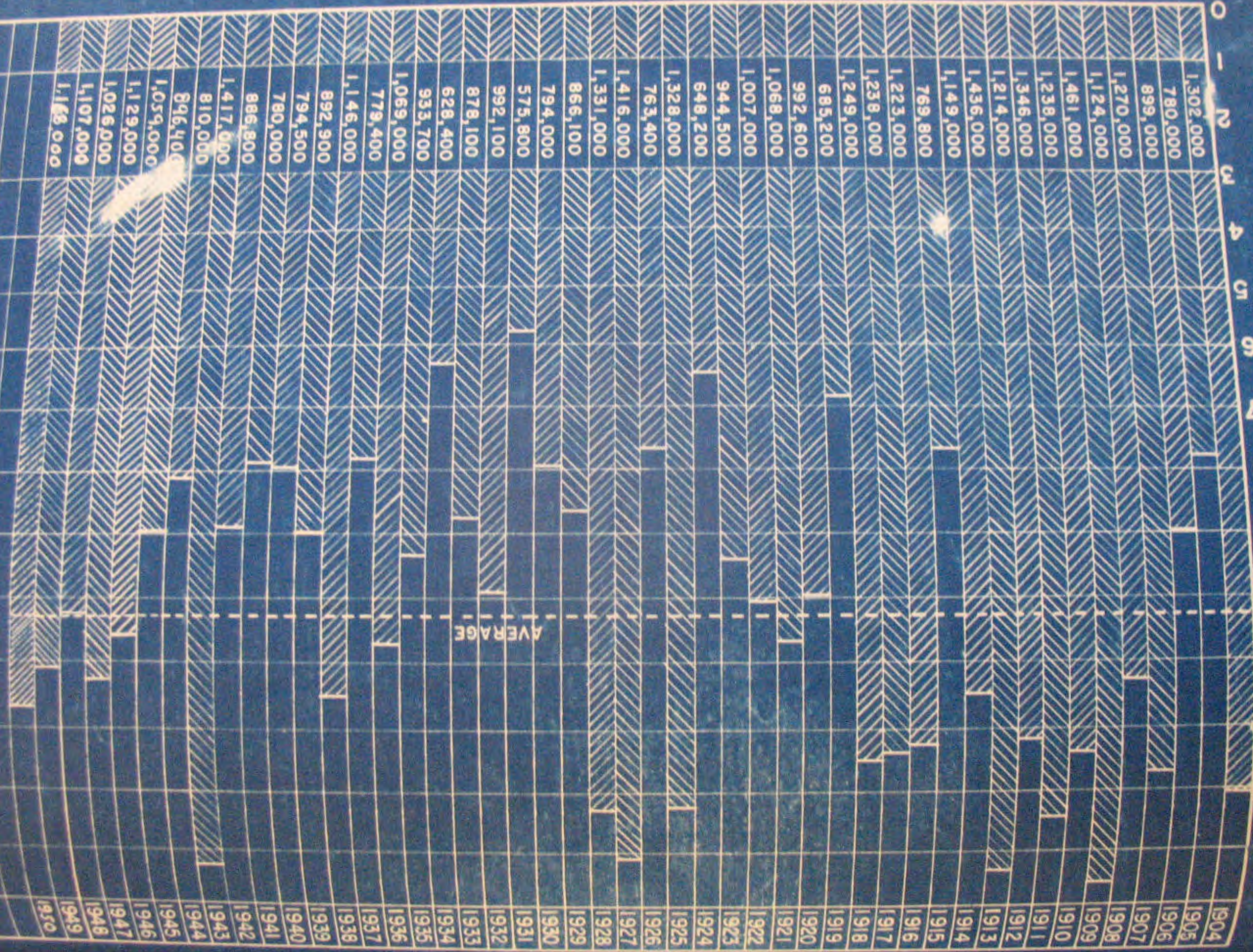
ANNUAL RUNOFF OF SNAKE RIVER AT NEELEY, IDAHO



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

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

RUNOFF IN HUNDREDS OF THOUSANDS OF ACRES- FEET



ANNUAL RUNOFF OF SNAKE RIVER AT MORAN, WYO.

DAILY DISCHARGE IN SECOND-FOOT OF SNAKE RIVER CANALS

MAY 1950

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
RILEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANDERSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
EAGLE ROCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
FARMERS FRIEND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ENTERPRISE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HEISE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NELSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MATTSON & CRAIG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ARNESBERGER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BUTLER ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ROSS & RAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
STEELE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HARRISON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CHENEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BOOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
RUDY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KITE & NORD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BURGESS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CLARK & EDWARDS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LOWDER & JENNINGS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
EAST LABELLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SUNNYDELL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LENRROOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
REID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TEXAS FEEDER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NELSON COREY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HILL PETTINGER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
RIGBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DILLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WEST LABELLE & LONG ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PARKS & LEWISVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NORTH RIGBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WHITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ELLIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BRAMWELL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BUTTE & MARKET LAKE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
OSGOOD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BEAR ISLAND & SMITH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KENNEDY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
IDAH0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GREAT WESTERN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PORTER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
COY & KELLER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WOODVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SNAKE RIVER VALLEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL HEISE TO SHELLEY	411	413	582	787	1114	1400	1523	1809	2241	2558	2907	3241	3571	3891	4201	4501	4801	5101	5401	5701	6001	6301	6601	6901	7201	7501	7801	8101	8401	8701	9001	
RESERVATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BLACKFOOT	160	100	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	
NEW LAVA SIDE	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	
PEOPLES	150	175	200	245	323	372	391	391	415	441	472	431	441	431	431	431	431	431	431	431	431	431	431	431	431	431	431	431	431	431	431	
ABERDEEN - SPRINGFIELD	576	602	662	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	688	
CORBETT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NIELSEN - HANSEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
RIVERSIDE	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	
DANSKIN	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
TRIGO	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
WEAVERICK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WATSON	56	55	50																													

DAILY DISCHARGE IN SECOND- FEET OF SNAKE RIVER CANALS
JUNE 1950

NAME OF CANAL	RILEY												TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	
ANDERSON	160	158	158	132	132	133	25	25	25	25	25	25	1494
EAGLE ROCK	141	130	120	110	110	116	106	97	97	97	97	97	8122
FARMERS FRIEND	314	356	340	328	310	290	282	182	149	140	130	123	4368
ENTERPRISE	170	180	180	180	180	180	180	63	63	63	63	63	4368
HEISE	5	5	5	5	5	5	5	5	5	5	5	5	45
NELSON	5	5	5	5	5	5	5	5	5	5	5	5	45
MATTSON & CRAIG	20	20	20	20	20	20	20	20	20	20	20	20	335
ARNESBERGER	0	0	0	0	0	0	0	0	0	0	0	0	10
BUTLER ISLAND	55	50	50	50	50	45	45	28	28	0	0	0	1043
ROSS & RAND	5	5	5	5	5	6	6	1	1	1	1	1	122
STEELE	385	469	460	450	420	408	398	350	280	280	280	280	11954
HARRISON	8	8	8	7	7	7	7	5	5	5	5	5	155
CHENEY	151	159	128	115	131	153	25	25	25	25	25	25	3939
BOOMER	20	20	20	20	25	57	14	14	14	14	14	14	992
RUDY	5	9	9	9	5	0	0	0	0	0	0	0	19155
KITE & NORD	724	812	699	662	630	801	542	210	210	210	210	210	19155
BURGESS	53	51	55	73	81	79	29	26	24	24	24	24	1738
CLARK & EDWARDS	53	51	55	73	81	79	29	26	24	24	24	24	1738
LOWDER & JENNINGS	40	40	40	50	50	55	40	20	15	15	15	15	1163
EAST LABELLE	80	100	110	110	130	130	80	80	80	80	80	80	3177
SUNNYDELL	139	142	72	84	96	100	127	68	60	56	75	127	3681
LENNROOT	104	94	93	94	94	102	91	84	79	79	73	85	3045
REID	136	116	95	100	120	144	168	92	92	92	92	92	4301
TEXAS FEEDER	295	294	159	328	325	328	296	312	303	300	309	312	8642
NELSON COREY	4	4	4	4	4	4	4	0	0	0	0	0	155
HILL PETTINGER	4	4	4	4	4	4	4	0	0	0	0	0	106
RIGBY	111	128	153	153	153	151	154	145	153	141	143	141	3469
ISLAND	154	136	134	152	153	151	154	145	153	141	143	141	4679
DILTS	28	27	26	27	27	14	14	16	15	13	12	14	11703
WEST LABELLE & LONG ISLAND	382	405	405	421	459	459	448	432	343	395	212	212	10543
PARKS & LEWISVILLE	371	353	371	353	389	389	389	336	336	336	336	336	1532
NORTH RIGBY	42	42	40	43	46	45	41	38	42	38	37	37	144
WHITE	8	8	6	6	6	6	6	0	0	0	0	0	119
ELLIS	5	5	5	5	5	5	5	5	5	5	5	5	183
BRAMWELL	12	12	12	12	12	12	12	1	1	1	1	1	8499
BUTTE & MARKET LAKE	436	435	405	381	359	415	451	451	310	147	163	147	8499
OSGOOD	117	110	106	106	105	105	100	47	0	0	0	0	124
BEAR ISLAND & SMITH	5	5	5	5	5	5	5	5	5	5	5	5	1315
KENNEDY	765	699	637	593	593	864	1030	235	227	257	235	268	21630
IDAHO	49	49	49	49	49	50	52	52	52	25	25	25	12870
GREAT WESTERN	438	424	408	399	406	421	438	399	360	345	343	342	6652
PORTER	207	201	181	170	174	188	200	186	174	174	175	171	1893
COY & KELLER	2	2	2	2	2	2	2	2	2	2	2	2	1893
WOODVILLE	72	65	59	58	58	69	68	70	61	48	40	82	12528
SNAKE RIVER VALLEY	514	421	369	364	502	616	389	193	168	168	165	295	193611
TOTAL HEISE TO SHELLEY	6165	6780	6235	6117	6320	7010	6498	4304	3632	3789	3521	3827	193611
RESERVATION	0	0	0	0	0	0	0	0	0	0	0	0	1160
BLACKFOOT	280	260	248	296	235	351	374	237	122	150	182	192	9279
NEW LAVA SIDE	145	142	113	112	143	159	118	102	86	79	79	96	3553
PEOPLES	498	513	480	473	473	528	444	425	400	387	368	366	41420
ABERDEEN - SPRINGFIELD	1090	1100	1020	968	1060	1170	1250	1170	1080	1070	1070	1116	4999
CORBETT	142	186	195	197	184	184	149	116	109	110	110	110	3740
NIELSEN - HANSEN	5	5	5	5	5	5	5	5	5	5	5	5	6052
RIVERSIDE	126	124	122	122	122	127	136	104	100	95	95	95	1727
DANSKIN	227	215	219	215	212	239	251	158	125	135	145	159	1655
TREGO	66	66	67	67	67	67	67	50	47	47	47	47	3375
WEARYRICK	50	50	50	50	50	50	50	50	50	50	50	50	1123
WATSON	120	120	120	120	120	121	122	83	83	83	83	83	83819
PARSONS	37	37	37	37	37	37	37	37	37	37	37	37	83819
TOTAL SHELLEY TO BLACKFOOT	2786	2828	2440	2675	2725	3061	3071	2524	2224	2252	2244	2244	83819

DAILY DISCHARGE IN SECOND-FOOT OF SNAKE RIVER CANALS	JULY 1950
TOTAL	6012
FARMERS FRIEND	11534
AGLE ROCK	17234
NORRISON	15525
WILEY	138
NAME OF CANAL	1
USE	5
LINSON	6
TILSON & CRAIG	21
MURBERGER	0
FLER ISLAND	56
S&B RAND	12
ELF	12
ARRISON	500
KNEY	8
WERNER	183
JOY	54
E & NORD	9
GESS	812
RK & EDWARDS	80
DER & JENNINGS	60
ST LABELLE	140
NYDELL	158
NRROT	137
ID	218
KAS FEEDER	325
SON COREY	12
L PETTINGER	6
GBY	171
LAND	176
LIS	41
ST LABELLE BONG ISLAND	397
RKS & LEWISVILLE	346
RTH RIBBY	60
HTE	8
LIS	6
RAMWELL	8
UTTE & MARKET LAKE	369
SGOOD	0
PEAR ISLAND & SMITH	6
KENNEY	46
IDAHQ	1090
GREAT WESTERN	438
PORTER	277
COY & KELLER	277
WOODVILLE	59
SNAKE RIVER VALLEY	472
TOTAL HEISE TO SHELLEY	812
RESERVATION	359
BLACKFOOT	411
NEW LAVA SIDE	130
PEOPLES	530
ABERDEEN-SPRINGFIELD	1110
CORBETT	181
NIELSEN-HANSEN	10
RIVERSIDE	130
DANSKIN	219
TREGO	70
WEARYRICK	60
WATSON	109
PARSONS	37
TOTAL SHELLEY TO BLACKFOOT	5356

DAILY DISCHARGE IN SECOND-FOOT OF SNAKE RIVER CANALS AUGUST 1950

NAME OF CANAL		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
RILEY		25	25	24	25	25	19	25	25	25	25	19	18	25	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
ANDERSON		673	666	654	625	540	509	450	454	541	584	431	428	426	426	426	426	426	426	426	426	426	426	426	426	426	426	426	426	426	426	426	426
EAGLE ROCK		392	392	390	390	388	386	381	378	372	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357
FARMERS FRIEND		215	214	211	213	195	176	191	204	160	156	178	177	164	164	170	176	177	184	118	118	119	118	120	121	122	109	106	107	107	124	155	4869
ENTERPRISE		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
HEISE		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
NELSON & CRAIG		10	17	16	7	7	7	15	14	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
MATTSON & CRAIG		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARNESBERGER		43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
BUTLER ISLAND		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
ROSS & RAND		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
STEELE		535	526	524	529	522	483	476	452	473	480	483	465	432	421	423	421	438	436	438	423	392	392	388	383	351	375	372	326	324	326	320	1327
HARRISON		535	526	524	529	522	483	476	452	473	480	483	465	432	421	423	421	438	436	438	423	392	392	388	383	351	375	372	326	324	326	320	1327
CHENEY		147	144	145	154	151	151	148	156	156	164	162	161	162	140	119	117	116	142	141	140	145	144	148	151	121	145	155	145	130	117	131	4448
BOOMER		64	63	62	61	60	59	60	65	65	52	52	52	48	48	48	48	48	48	48	56	56	56	55	9	28	39	36	36	47	55	1594	
RUDY		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
KITE & NORD		878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878
BURGESS		878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878
CLARK & EDWARDS		74	77	76	75	76	75	76	75	76	75	76	75	76	75	76	75	76	75	76	75	76	75	76	75	76	75	76	75	76	75	76	75
LOWDER & JENNINGS		53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
EAST LABELLE		125	125	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
SUNNYDELL		149	186	190	142	134	131	145	128	147	159	152	117	97	117	124	124	137	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
LENRROOT		165	164	159	130	127	110	125	128	117	130	124	122	98	100	105	108	116	136	124	124	124	124	124	124	124	124	124	124	124	124	124	124
REID		164	158	166	170	165	165	157	170	161	150	143	139	110	132	135	126	132	141	152	127	136	142	105	120	118	112	116	112	112	105	103	4244
TEXAS FEEDER		246	266	280	288	286	286	274	282	256	270	282	283	177	271	277	258	246	244	247	283	276	221	250	220	210	205	208	205	219	205	195	7816
NELSON COREY		8	12	12	13	13	12	12	10	12	12	11	12	19	14	10	10	9	8	10	8	5	5	5	4	3	4	4	3	4	3	4	274
HILL PETTINGER		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	3	3	3	3
RIGBY		171	174	169	177	168	169	165	165	168	163	165	167	162	165	165	160	160	161	170	170	170	170	170	170	170	170	170	170	170	170	170	170
ISLAND		163	173	171	174	172	177	166	166	168	167	167	172	170	168	171	171	163	161	165	163	162	160	154	152	154	162	165	165	167	163	166	5138
DILTS		40	42	41	39	39	40	35	34	32	33	33	36	32	36	32	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
WEST LABELLE & LONG ISLAND		517	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505
PARKS & LEWISVILLE		374	370	366	370	375	331	348	350	350	352	352	352	352	352	352	352	352	352	352	352	352	352	352	352	352	352	352	352	352	352	352	352
NORTH RIGBY		52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
WHITE		2	0	0	0	0	0	0	0																								

DAILY DISCHARGE IN SECOND- FEET OF SNAKE RIVER CANALS

SEPTEMBER 1950

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL		
RILEY	380	380	378	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376		
FARMERS FRIEND	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307		
ENTERPRISE	154	153	153	152	154	153	154	153	154	153	154	153	154	153	154	153	154	153	154	153	154	153	154	153	154	153	154	153	154	153	154		
HEISE	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
NELSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MATTSON & CRAIG	12	17	17	12	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		
ARNESBERGER	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
BUTLER ISLAND	41	42	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41		
ROSS & RAND	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
STEELE	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
HARRISON	318	316	347	454	452	456	456	456	456	456	456	456	456	456	456	456	456	456	456	456	456	456	456	456	456	456	456	456	456	456	456		
KITE & NORD	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
BURGESS	794	794	781	781	775	781	777	786	597	523	523	523	523	523	523	523	523	523	523	523	523	523	523	523	523	523	523	523	523	523	523		
CLARK & EDWARDS	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70		
LOWDER & JENNINGS	35	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38		
EAST LABELLE	122	122	122	121	122	121	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122		
SUNNYDELL	110	112	117	118	120	127	134	142	130	102	48	52	57	61	65	50	45	35	27	16	14	14	13	12	12	12	12	12	12	12	12	12	
LENNROOT	94	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98		
REID	99	99	105	107	122	114	114	120	129	113	92	82	73	73	78	40	32	27	16	14	14	13	12	12	12	12	12	12	12	12	12	12	
TEXAS FEEDER	181	190	192	195	190	205	216	238	262	274	191	158	124	120	115	105	95	91	82	72	66	60	55	50	45	40	35	30	25	20	15	10	
NELSON COREY	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
HILL PETTINGER	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
RIGBY	162	160	163	163	161	161	161	165	169	146	143	142	147	125	100	98	96	95	102	112	102	102	102	102	102	102	102	102	102	102	102	102	
ISLAND	163	163	161	156	152	152	149	157	167	145	139	142	146	152	158	154	149	145	141	137	134	130	100	98	95	95	95	95	95	95	95	95	
DILLS	29	28	29	31	32	32	32	31	38	25	23	25	27	26	24	24	24	24	24	22	20	20	19	15	7	7	7	7	7	7	7	7	
WEST LABELLE & LONG ISLAND	470	470	475	470	472	467	441	446	467	424	435	435	435	435	435	435	435	435	435	435	435	435	435	435	435	435	435	435	435	435	435	435	
PARKS & LEWISVILLE	340	311	322	328	326	328	322	332	336	277	300	288	275	264	253	243	233	223	216	210	210	210	210	210	210	210	210	210	210	210	210	210	
NORTH RIGBY	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	
WHITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ELLIS	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
BRAMWELL	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	
BUTTE & MARKET LAKE	243	243	247	252	244	240	244	248	210	175	144	137	130	132	134	127	127	127	127	123	123	123	123	123	123	123	123	123	123	123	123	123	
OSGOOD	116	116	116	116	115	113	115	116	115	115	117	117	115	111	110	110	110	110	109	110	110	110	110	110	110	110	110	110	110	110	110	110	
BEAR ISLAND & SMITH	5	3	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
KENNEDY	54	52	45	39	42	47	51	54	50	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	
IDAHO	932	932	928	925	922	922	918	875	848	829	829	829	829	829	829	829	829	829	829	829	829	829	829	829	829	829	829	829	829	829	829	829	
GREAT WESTERN	486	488	488	489	491	491	491	491	491	491	491	491	491	491	491	491	491	491	491	491	491	491	491	491	491	491	491	491	491	491	491	491	
PORTER	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	
COY & KELLER	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
WOODVILLE	72	71	63	70	72	73	85	83	74	67	61	57	59	57	63	63	59	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	
SNAKE RIVER VALLEY	467	465	461	449	512	512	548	554	541	284	284	276	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	
TOTAL HEISE TO SHELLEY	1235	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	
RESERVATION	247	192	196	249	247	264	298	275	135	90	90	90	87	86	84	85	84	85	116	123	170	218	220	229	200	180	162	160	160	160	160	160	
BLACKFOOT	236	236	233	233	230	300	313	300	248	114	118	120	112	109	110	116	123	170	218	220	229	200	180	162	160	160	160	160	160	160	160	160	160
NEW LAVA SIDE	135	144	144	144	144	154	164	154	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	
PEOPLES	445	450	450	455	450	445	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	
ABERDEEN - SPRINGFIELD	1210	1190	1160	1190	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210	
CORBETT	137	136	132	132	138	139	144	155	135	149	135	130	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	
NIELSEN - HANSEN	9	8	9	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
RIVERSIDE	110	106	108	104	101	170	95	108	112	137	108	106																					

STREAM	MAY																																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	
BIG JIMMY CREEK	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	37	37	37	37	37	37	37
PORTNEUF RIVER INFLOW BELOW POCATELLO	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	289	290	290	300	300	300	310	310	310	310	310	310	310	310	310	310	320	320	330	330	330	331	331
BIG SPRING CREEK	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	450	450	450	450	460	460	460	460	460	470	470	470	470	480	480	480	490	490	495	496	500
CLEAR CREEK	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122
FORD CREEK	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
KINNEY CREEK	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
WIDE CREEK	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
PYLE SPRINGS	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
MC TUCKER SPRINGS	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
HULL SPRINGS	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
TANNER SPRINGS	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PORTNEUF RIVER AT POCATELLO	693	686	686	678	669	658	645	629	618	649	645	616	629	693	769	812	840	861	881	895	893	886	881	891	884	881	868	852	828	808	796	778	769	764	735	711	680	680	680
CRYSTAL DITCH	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRYSTAL WASTE	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	27	27	27	27	27	27	28	28	28	29	29	29	30	30	30	30	30
DANIELSEN SPRINGS	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	52	52	52	52	52	53	53	53	53	53	53	54	54	54	55	55	55	55	55	55
ARTESIAN SPRINGS	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	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	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
COLBURN WASTE	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3
ABERDEEN WASTE	125	115	123	112	102	97	87	60	48	38	16	20	15	20	23	30	26	40	95	96	85	90	93	75	70	70	70	100	100	90	75	50	55	90	85	85	30	30	30
TARTAR WASTE	14	15	40	32	24	24	12	18	8	8	8	8	8	8	7	6	6	7	15	6	12	15	10	6	6	6	6	10	15	20	20	15	16	25	24	24	15	15	15
SCHILTZ WASTE	0	0	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
CEDAR WASTE	38	46	50	43	37	36	38	45	40	46	42	37	27	26	20	8	8	5	5	3	6	13	13	14	11	11	17	18	20	20	12	8	9	9	2	2	2	2	
ROSS FORK	80	80	80	80	80	80	80	80	78	78	78	78	78	78	78	78	78	78	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
TRIPLE CREEK	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
BANNOCK CREEK	55	55	55	54	54	54	54	53	53	53	53	53	52	52	52	51	51	51	51	51	51	51	51	50	50	50	50	50	48	48	46	44	43	42	41	40	3	3	3
RUEGAR SPRINGS	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
TOTAL MEASURED	2162	2154	2192	2157	2124	2108	2076	2045	2005	2032	2002	1971	1967	2033	2105	2141	2164	2197	2293	2309	2306	2316	2329	2317	2303	2301	2304	2323	2304	2280	2265	2212	2209	2267	2225	2205	2100	2100	
UNMEASURED INFLOW	1330	1330	1330	1330	1330	1330	1330	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1330	1330	1330	1330	1340	1340	1340	1340	1340	1340	
TOTAL INFLOW BLACKFOOT TO NEELEY	3492	3484	3522	3487	3454	3438	3406	3385	3345	3372	3342	3311	3307	3373	3445	3481	3504	3537	3633	3649	3646	3656	3669	3657	3643	3641	3644	3663	3644	3610	3595	3542	3539	3607	3565	3545	3400	3400	
TOTAL FOR MONTH	109,035																																						

INFLOW TO AMERICAN FALLS

BETWEEN BLACKFOOT AND NEE
24 HOUR SECOND-FEE

JUNE

JUNE																														JULY																													
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15																
17	37	37	37	37	37	37	37	36	36	36	35	35	35	35	34	34	34	34	34	35	35	35	35	35	35	35	35	35	35	35	36	36	36	36	35	35	35	35	35	35	35	35	35	35															
20	320	330	330	330	331	330	330	320	320	320	310	310	310	305	303	300	300	300	300	300	300	300	300	300	300	300	300	300	300	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290														
30	480	490	490	495	496	500	500	500	500	500	500	500	500	500	501	505	505	510	510	510	510	510	510	510	510	520	520	520	520	520	520	520	530	530	530	530	530	520	520	510	510	510	510	510	510														
12	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122														
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															
10	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30															
12	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62														
6	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16														
29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29														
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8														
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SEPTEMBER																																												
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	26	27	28	29	30			
31	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32		
330	330	330	340	350	360	366	360	360	350	350	350	350	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	340	336	336	336	336	336	336	336	336	336	
520	520	520	520	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	
122	122	122	122	122	123	124	124	124	124	124	125	125	125	125	125	125	125	125	130	130	130	130	130	130	130	130	130	130	130	132	132	132	132	132	132	132	133	133	134	134	134	134	134	134
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		
30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
62	62	62	62	61	61	61	61	61	61	61	61	61	61	61	61	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	
12	12	12	12	12	12	12	12	13	13	13	13	13	13	13	13	13	13	13	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
27	28	28	28	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
69	160	160	158	157	157	151	160	156	156	154	155	168	166	150	145	138	125	127	154	175	216	228	224	220	229	235	253	267	270	274	277	277	277	285	295	295	306	313	300	270	280	280	280	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	37	37	37	37	37	37	37	37	37	37	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	
64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	62	62	62	60	60	60	58	58	57	57	57	57	56	56	55	55	55	55	55	55	55	55	
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	14	14	14	14	14	14	14	14	14	14	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
30	30	30	30	30	44	30	30	30	30	30	25	25	25	30	25	25	25	20	20	30	55	40	60	60	60	60	50	40	50	45	45	45	45	60	60	70	70	70	70	70	70	70		
15	15	15	20	22	26	26	26	26	20	10	10	10	10	10	10	10	10	10	10	10	10	15	20	20	20	15	15	15	15	15	15	10	10	10	25	31	30	31	31	40	40	40		
2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	5	5	5	4	4	3	3		
10	14	12	8	8	8	8	8	5	3	3	3	3	11	8	5	3	3	3	3	5	4	9	18	23	25	19	20	25	26	24	28	28	20	20	23	26	26	36	36	39	36			
72	72	72	72	73	73	73	73	73	73	73	73	73	73	73	73	73	73	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75		
3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
11	12	12	13	14	15	15	15	15	15	15	15	15	15	15	15	15	15	15	18	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21		
25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	24	24	24	24	24	24	24	24	24	24	24	23	23	23	23	23	23	23	23	23		
58	1605	1605	1616	1634	1654	1655	1654	1647	1630	1618	1618	1629	1625	1611	1596	1587	1571	1575	1617	1659	1701	1721	1750	1757	1765	1758	1769	1771	1786	1784	1790	1784	1776	1798	1824	1845	1852	1869	1856	1837	1844	1844		
0	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1350	1350	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340		
8	2916	2916	2926	2944	2974	2965	2964	2957	2940	2928	2928	2939	2935	2921	2906	2897	2881	2888	2927	3009	3051	3061	3090	3097	3105	3096	3109	3111	3126	3124	3130	3124	3116	3138	3164	3185	3192	3209	3196	3177	3184	3184		

DAILY SEGREGATION OF

DATE	JACKSON LAKE CONTENTS ACRE-FEET	SNAKE RIVER AT MORAN			MORAN TO HEISE		DATE	HEISE & RILEY			STORAGE INFLOW HEISE TO SHELLEY		STORAGE LOSS HEISE TO SHELLEY	DIVERSIONS HEISE TO SHELLEY			DATE	SNAKE RIVER NEAR SHELLEY			
		STORED	NORMAL	TOTAL	STORED LOSS	STORED DIVERSION		STORED	NORMAL	TOTAL	MARKET LAKE	HENRYS FORK NEAR REXBURG		STORED	NORMAL	TOTAL		STORED	NORMAL	TOTAL	STORED
JULY 13	849,280																				
14	849,790						JULY 14														
15	851,070						15														
16	851,840						16														
17	851,840						17														
18	851,840						18														
19	851,330						19														
20	852,350	0					20														
21	851,580	1168	2052	3220	23		21			11630		-10				9345					
22	849,280	1280	2000	3280	32		22	1139	11491	12630		-4	56			9591					
23	847,000	1740	1930	3670	44		23	1248	11282	12530		-405	61			9438					
24	842,900	2220	1860	4080	55		24	1696	10734	12430		-121	83			9474					
25	838,830	2330	1800	4130	58		25	2165	10465	12630		-13	106			9606					
26	834,250	2541	1759	4300	64		26	2272	10258	12530		-30	111			9430					
27	829,160	2940	1720	4660	73		27	2477	9953	12430	13	31	121			9265					
28	823,560	2950	1690	4640	74		28	2667	9951	12618	12	-21	140			9566					
29	818,240	2820	1680	4500	71		29	2876	10349	13225	12	-44	140			9587					
30	812,940	2720	1650	4370	68		30	2749	10181	12930	12	-16	134			9555					
31	807,130	2630	1620	4250	66		31	2652	9673	12325	11	31	129			9386					
AUG. 1	801,320	2766	1614	4380	69		AUG. 1	2564	9161	11725	11	79	125			9151					
2	795,010	3580	1560	5140	90		2	2697	8628	11325	10	14	132			9058					
3	787,740	3810	1520	5330	95		3	3490	8434	11924	10	14	171			9282					
4	780,460	3550	1480	5030	89		4	3715	8610	12325	10	25	181			9300					
5	773,690	3370	1420	4790	84		5	3461	8564	12025	10	51	169			9287					
6	767,450	2976	1364	4340	74		6	3286	8439	11725	10	73	160			9183					
7	762,220	2620	1360	3980	66		7	2902	8217	11119	10	109	142			8987					
8	756,740	2610	1340	3950	65	4	8	2554	7971	10525	10	152	125			8525					
9	751,020	3360	1310	4670	84	4	9	2541	7684	10225	10	157	124			8536					
10	743,810	3720	1280	5000	93	4	10	3272	7453	10725	10	-142	160			8625					
11	736,400	3830	1280	5110	96	4	11	3623	7302	10925	10	-343	177			8578					
12	729,280	3370	1250	4620	84	4	12	3730	7489	11219	10	-157	182			8644					
13	722,800	3030	1220	4250	76	4	13	3282	7436	10718	9	-167	160			8719					
14	717,140	2740	1200	3940	68	4	14	2950	7375	10325	9	-140	144			8647					
15	711,980	2680	1180	3860	67	4	15	2668	7217	9885	9	-120	130			8193					
16	706,090	2936	1134	4070	73	4	16	2609	6937	9546	10	-56	127			8198					
17	700,200	3120	1100	4220	78	4	17	2859	6787	9646	10	26	140			8041					
18	693,830	3240	1080	4320	81	4	18	3038	6608	9646	10	-573	148			7993					
19	687,250	3240	1060	4300	81	4	19	1155	6525	9680	10	-634	154			8041					
20	680,910	3160	1030	4190	79	4	20	1155	6386	9541	10	-361	154			8004					
21	675,060	3010	1010	4020	75	4	21	1077	6364	9441	10	11	150			7776					
22	668,990	2900	940	3840	72	4	22	1931	6210	9141	10	13	143			7916					
23	662,930	2660	900	3560	67	4	23	1824	6026	8850	10	100	138			7771					
24	658,330	2530	880	3410	63	4	24	1589	5974	8563	10	83	126			7580					
25	653,000	2720	870	3590	68	4	25	1463	5817	8280	10	-30	120			7590					
26	647,680	2770	860	3630	69	4	26	1648	5633	8281	10	-103	129			7282					
27	641,670	2963	847	3810	74	4	27	1697	5624	8321	10	-201	132			7339					
28	636,380	2990	830	3820	75	4	28	1885	5466	8351	10	23	141			7413					
							29	1911	5471	8382	10	-98	142			7281					
																7252					

ON OF DATA AT AND BETWEEN SNAKE R

24 HOUR SECOND-FEET EXCEPT AS NOTED

SNAKE RIVER NEAR 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	DATE	AMERICAN FALLS RESERVOIR CONTENTS ACRE-Feet	SNAKE RIVER AT NEELEY			THORNTON NELSON	LAKE WALCOTT CONTENTS ACRE-Feet
STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL					STORED	NORMAL	TOTAL				STORED	NORMAL	TOTAL		
					3678			JULY 16												
		7800	22	3625	3647	- 1	- 21	17		0		5580	2936	JULY 17	1,700,560	0	11300	11300	0	92,380
- 319	6859	6540	259	3360	3619	- 41	- 537	18	64	0		5520	2925	18	1,595,520	2355	9445	11800	4	92,090
-1242	7192	5950	272	3562	3834	- 91	- 1423	19	34	0		5010	2892	19	1,682,820	4598	7902	12500	4	92,390
-1212	6082	4870	253	3487	3740	- 86	- 1377	20	37	- 21	3711	3690	2881	20	1,670,870	6108	6892	12700	4	94,250
-1197	5467	4270	161	3316	3477	- 82	- 1276	21	26	- 537	3117	2580	2833	21	1,657,050	6350	5950	12300	4	95,430
- 647	5647	5000	278	3513	3791	- 55	- 870	22	22	- 1423	3453	2030	2814	22	1,642,120	5833	6267	12100	4	95,910
- 205	5265	5080	208	3587	3795	- 25	- 388	23	27	- 1377	2437	1060	2793	23	1,624,590	6670	5230	12100	4	94,950
416	4424	4840	205	3590	3795	13	198	24	39	- 1276	2172	898	2787	24	1,609,090	7141	4959	12100	4	95,670
505	4335	4840	220	3625	3845	17	268	25	34	- 870	2770	1900	2800	25	1,593,330	6530	5570	12100	4	95,670
649	4131	4780	205	3627	3832	27	417	26	29	- 388	2188	1800	2796	26	1,577,580	7016	4984	12000	4	95,790
730	4170	4900	221	3665	3886	30	479	27	31	198	852	1050	2803	27	1,560,760	6345	3655	12000	4	95,670
1073	4367	5440	232	3752	3984	51	790	28	38	268	822	1090	2800	28	1,544,790	6776	3622	12400	4	94,950
1226	5014	6240	246	3708	3952	59	921	29	51	417	633	1050	2804	29	1,519,770	9263	3437	12700	4	94,020
1335	4815	6150	224	3578	3802	67	1044	30	104	479	1071	1550	2804	30	1,507,590	8725	3675	12600	4	95,670
1240	4200	5440	188	3386	3574	63	989	31	101	790	1480	2270	2808	31	1,494,380	8115	4285	12400	4	96,990
1107	3443	4550	165	3571	3736	56	886	AUG. 1	180	921	1949	2870	2814	AUG. 1	1,481,370	7337	4763	12100	4	97,110
1078	3192	4270	165	3559	3724	55	858	2	76	1044	1526	2570	2800	2	1,467,230	7776	4324	12100	4	97,110
1855	3085	4940	159	3638	3797	102	1594	3	59	989	1671	1660	2798	3	1,449,560	7531	4469	12000	4	97,350
2174	3556	5730	179	3527	3706	120	1875	4	93	631	239	1070	2805	4	1,437,730	8656	3044	11900	4	97,110
2216	4054	6270	125	3325	3450	125	1966	5	152	967	273	1240	2808	5	1,419,220	8815	3081	11900	4	96,390
2458	3562	6020	92	3299	3391	142	2224	6	180	1788	332	2120	2816	6	1,407,910	8652	3148	11800	4	97,110
2138	3052	5190	100	3319	3419	122	1916	7	174	2598	402	3000	2831	7	1,396,770	8167	3233	11400	4	97,590
1698	2792	4490	94	3349	3443	96	1508	8	152	1966	1404	3370	2847	8	1,386,180	8649	4251	10900	4	97,590
1572	2628	4200	126	3372	3498	87	1359	9	109	2188	332	2580	2845	9	1,374,070	7723	3177	10900	4	96,750
1552	2718	4270	104	3415	3519	87	1361	10	94	1631	289	1820	2839	10	1,361,970	7972	3128	11100	4	96,630
1581	3139	4720	55	3264	3319	92	1434	11	92	976	284	1240	2837	11	1,348,470	8199	3101	11300	4	96,390
1958	3192	5150	66	2997	3063	114	1778	12	130	828	272	1100	2884	12	1,334,120	8144	3156	11300	4	96,630
1860	3290	5150	104	2917	3021	105	1651	13	183	1170	310	1480	2897	13	1,321,350	7993	3207	11200	4	97,110
1606	3204	4810	95	2929	3024	91	1420	14	183	2017	363	2380	2933	14	1,310,380	7304	3296	10600	4	97,350
1504	2856	4360	97	2960	3057	84	1323	15	180	2437	363	2800	2955	15	1,301,510	6882	3318	10200	4	96,150
1507	2463	3970	94	2995	3089	85	1328	16	153	2090	360	2450	2944	16	1,291,770	7298	3301	10600	4	94,350
1637	2283	3920	232	2792	3024	84	1321	17	116	1737	333	2070	3009	17	1,281,050	7858	3342	11200	4	94,490
1045	2855	3900	226	2795	3021	49	770	18	106	1824	296	1520	2975	18	1,267,420	8229	3271	11500	4	94,910
1195	3075	4270	238	2819	3057	57	900	19	100	974	286	1260	2904	19	1,252,870	8410	3190	11500	4	94,910
1593	3047	4640	262	2850	3112	80	1251	20	106	980	280	1230	2893	20	1,238,010	8327	3173	11500	4	94,910
1818	2562	4380	250	2749	2999	94	1474	21	113	1164	286	1450	2918	21	1,224,100	8196	3204	11400	4	94,810
1741	2619	4360	246	2911	3157	90	1405	22	81	1667	293	1960	2916	22	1,211,150	8191	3209	11400	4	94,710
1790	2410	4200	623	2358	2981	70	1097	23	69	1649	261	1910	2918	23	1,192,740	8221	3179	11400	4	93,410
1522	2428	3950	622	2305	2927	54	846	24	62	1451	249	1700	2926	24	1,182,380	8125	3175	11300	4	93,110
1484	2176	3660	622	2310	2932	52	814	25	61	1368	262	1630	2944	25	1,169,870	8294	3206	11500	4	93,110
1618	2042	3680	632	2297	2929	59	927	26	49	1299	241	1540	2974	26	1,156,130	8585	3215	11800	4	93,110
1454	2315	3780	617	2345	2962	51	796	27	44	981	229	1210	2965	27	1,139,070	8706	3194	11900	4	93,110
1904	1896	3800	611	2295	2906	77	1216	28	55	876	222	1100	2964	28	1,123,400	8614	3186	11800	4	94,110
1829	1851	3680	738	2232	2970	66	1025	29	66	1045	235	1280	2957	29	1,108,800	8308	3192	11500	4	93,110
								30	66	1002	248	1250	2940	30	1,095,270	8112	3188	11300	4	93,110
								31	69	994	246	1240	2928	31	1,080,840	8026	3174	11200	4	93,110
										851	249	1100	2928	SEPT. 1	1,067,390	8023	3177	11200	4	93,110

THE RIVER GAGING STATIONS 1950

STATION NEAR STORED	LAKE WALCOTT CONTENTS ACRE-Feet	MINIDOKA CANALS					SNAKE RIVER NEAR MINIDOKA			DATE	MILNER LAKE GAGE FEET	WAHL STORED	GOODING PROJECT			NORTH SIDE CANAL COMPANY					TWIN CANAL STORED	
		NORTH	SOUTH	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL				STORED	NORMAL	TOTAL	P. A.	GOODING	MAIN	TOTAL	STORED		NORMAL
0	92,390	1670	1290	2960	0	2960	0		8990	JULY 18 19 20 21 22 23 24 25 26 27 28 29 30 31	10.96	3	0	1540	1540	70	1010	2770	3850	0	3850	
4	93,090	1690	1330	3020	294	2726	2001	6719	8720		10.92	3	1530	0	1530	72	1000	2760	3832	713	3119	50
4	92,390	1690	1330	3020	1118	1902	3300	6000	9300		11.10	3	1580	0	1580	72	1020	2850	3942	942	3000	610
4	94,250	1690	1340	3030	1304	1726	4344	4866	9210		10.95	3	1590	0	1590	72	1030	2820	3922	2056	1866	610
-315	95,430	1690	1350	3040	1314	1726	4986	4224	9210		10.88	3	1590	0	1590	72	1030	2790	3892	2668	1224	630
-1242	95,910	1690	1340	3030	1304	1726	4569	4541	9110		10.87	3	1590	0	1590	72	1030	2770	3872	2331	1541	630
-1212	94,950	1690	1330	3020	1294	1726	5706	3504	9210		10.90	3	1590	0	1590	72	980	2760	3812	3308	504	640
-1197	95,670	1690	1200	2890	1331	1559	5680	3400	9080		10.99	3	1590	0	1590	73	950	2760	3783	3383	400	650
-647	95,670	1690	1370	3060	1334	1726	5236	3844	9080		11.00	3	1590	0	1590	73	950	2760	3783	2939	844	650
-204	95,790	1690	1350	3040	1456	1584	5710	3400	9110		10.94	3	1580	0	1580	73	940	2780	3793	3393	400	710
416	95,670	1680	1340	3020	2765	255	5710	3400	9110	10.82	3	1580	0	1580	73	940	2800	3813	3413	400	720	
505	94,950	1640	1340	2980	2758	222	5900	3400	9300	10.69	3	1560	0	1560	73	940	2720	3733	3333	400	690	
649	94,020	1640	1350	2990	2953	37	6080	3400	9480	10.88	3	1580	0	1580	72	950	2810	3832	3432	400	680	
730	95,670	1640	1340	2980	2505	475	6050	3400	9450	11.02	3	1580	0	1580	72	950	2800	3822	3422	400	670	
1073	96,990	1650	1340	2990	2105	885	5810	3400	9210	AUG. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	11.02	3	1570	0	1570	73	1000	2780	3853	3453	400	650
1226	97,110	1630	1340	2970	1607	1363	5780	3400	9180		11.00	3	1570	0	1570	69	1040	2780	3889	3489	400	620
1335	97,110	1610	1320	2930	2004	926	5780	3400	9180		11.01	3	1570	0	1570	69	1030	2780	3879	3479	400	600
1240	97,350	1610	1320	2930	1861	1069	5840	3400	9240		11.01	3	1570	0	1570	71	1040	2720	3831	3431	400	580
1107	97,110	1610	1310	2920	2920	0	6096	3044	9140		11.04	3	1560	0	1560	71	1030	2680	3781	3413	368	874
1078	96,390	1460	1310	2770	2770	0	6059	3081	9140		11.00	3	1550	0	1550	71	1040	2680	3791	3428	363	922
1855	97,110	1360	1300	2660	2660	0	5872	3148	9020		11.02	3	1550	0	1550	71	1050	2670	3791	3421	370	742
2174	97,590	1360	1210	2570	2570	0	5667	3233	8900		10.98	3	1540	0	1540	71	1030	2580	3681	3301	380	687
2216	97,590	1360	1120	2480	1629	851	5320	3400	8720		10.90	3	1510	0	1510	70	1020	2520	3610	3210	400	500
2458	96,750	1360	1100	2460	2460	0	5513	3177	8690		10.97	3	1510	0	1510	70	1040	2550	3660	3286	374	677
2138	96,630	1350	1090	2440	2440	0	5502	3128	8630	10.97	3	1500	0	1500	70	1040	2540	3650	3282	368	720	
1698	96,990	1350	1110	2460	2460	0	5529	3101	8630	10.96	3	1500	0	1500	70	1040	2480	3590	3225	366	764	
1572	96,630	1270	1130	2400	2400	0	5444	3156	8600	11.02	3	1500	0	1500	70	1040	2450	3560	3189	371	731	
1552	97,110	1230	1100	2330	2330	0	5363	3207	8570	11.01	3	1450	0	1450	69	1030	2450	3549	3171	378	69	
1581	97,350	1230	1060	2290	2290	0	5154	3296	8450	10.94	3	1430	0	1430	69	1020	2430	3519	3131	388	611	
1958	96,150	1260	1050	2310	2310	0	4952	3318	8270	10.83	3	1420	0	1420	70	1010	2430	3510	3120	390	60	
1860	94,950	1350	1070	2420	2420	0	5176	3304	8480	10.80	3	1420	0	1420	70	1000	2430	3500	3112	388	58	
1606	94,490	1390	1160	2550	2550	0	5168	3342	8510	10.80	3	1420	0	1420	70	990	2460	3520	3127	393	62	
1504	94,490	1390	1220	2610	2610	0	5329	3271	8600	10.80	3	1420	0	1420	70	980	2480	3530	3145	385	73	
1507	94,950	1390	1250	2640	2640	0	5560	3190	8750	10.83	3	1420	0	1420	70	980	2520	3570	3195	375	79	
1637	94,950	1390	1290	2680	2680	0	5607	3173	8780	10.86	3	1420	0	1420	70	990	2540	3600	3227	373	83	
1045	94,600	1390	1310	2700	2700	0	5606	3204	8810	10.96	3	1430	0	1430	70	1000	2580	3650	3273	377	79	
1195	94,720	1410	1310	2720	2720	0	5601	3209	8810	10.84	3	1420	0	1420	70	990	2580	3640	3262	378	70	
1593	93,440	1430	1310	2740	2740	0	5751	3179	8930	10.90	3	1420	0	1420	70	990	2590	3650	3276	374	71	
1818	93,550	1430	1310	2740	2740	0	5635	3175	8810	10.90	3	1420	0	1420	70	1000	2580	3650	3276	374	71	
1741	93,090	1430	1300	2730	2730	0	5634	3206	8840	10.96	3	1420	0	1420	70	1010	2550	3630	3253	377	71	
1790	93,790	1440	1280	2720	2720	0	5595	3215	8810	10.98	3	1410	0	1410	70	1020	2550	3640	3264	376	71	
1522	93,790	1440	1220	2660	2660	0	5736	3194	8930	11.03	3	1410	0	1410	70	1030	2550	3650	3275	375	71	
1484	94,490	1440	1160	2600	2600	0	5774	3186	8960	11.01	3	1410	0	1410	70	1030	2540	3640	3264	376	71	
1618	95,180	1370	1180	2530	2530	0	5738	3192	8930	11.00	3	1400	0	1390	70	1040	2540	3650	3275	375	71	
1464	95,430	1330	1190	2520	2520	0	5652	3188	8840	10.96	3	1390	0	1390	61	1030	2560	3651	3278	373	71	
1904	94,720	1360	1240	2600	2600	0	5666	3174	8840	11.00	3	1390	0	1390	61	1040	2570	3671	3297	374	71	
1829	94,490	1380	1260	2640	2640	0	5663	3177	8840	11.02	3	1390	0	1390	61							

GOODING STATIONS 1950

PLATE NO. 12

SNAKE RIVER AT MINIDOKA			DATE	MILNER LAKE GAGE FEET	WAHL STORED	GOODING PROJECT			NORTH SIDE CANAL COMPANY					TWIN FALLS CANAL COMPANY			MILNER LOW LIFT			SNAKE RIVER AT MILNER			
RED	NORMAL	TOTAL				STORED	NORMAL	TOTAL	P. A.	GOODING	MAIN	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL
0		8990	JULY 18	10.96	3	0	1540	1540	70	1010	2770	3850	0	3850	0	3650	3650	0	200	200	0	26	26
01	6719	8720	19	10.92	3	1530	0	1530	72	1000	2760	3832	713	3119	50	3600	3650	200	0	200	26	0	26
00	6000	9300	20	11.10	3	1580	0	1580	72	1020	2850	3942	942	3000	610	3000	3610	200	0	200	290	0	290
0	4866	9210	21	10.95	3	1590	0	1590	72	1030	2820	3922	2056	1866	610	3000	3610	200	0	200	431	0	431
0	4224	9210	22	10.88	3	1590	0	1590	72	1030	2790	3892	2668	1224	630	3000	3630	200	0	200	262	0	262
0	4541	9110	23	10.87	3	1590	0	1590	72	1030	2770	3872	2331	1541	630	3000	3630	200	0	200	296	0	296
0	3504	9210	24	10.90	3	1590	0	1590	72	980	2760	3812	3308	504	640	3000	3640	200	0	200	293	0	293
0	3400	9080	25	10.99	3	1590	0	1590	73	950	2760	3783	3383	400	650	3000	3650	199	0	199	296	0	296
0	3844	9080	26	11.00	3	1590	0	1590	73	950	2760	3783	2939	844	650	3000	3650	199	0	199	296	0	296
0	3400	9110	27	10.94	3	1580	0	1580	73	940	2780	3793	3393	400	710	3000	3710	199	0	199	291	0	291
0	3400	9110	28	10.82	3	1580	0	1580	73	940	2800	3813	3413	400	720	3000	3720	199	0	199	285	0	285
0	3400	9300	29	10.69	3	1560	0	1560	73	940	2720	3733	3333	400	690	3000	3690	199	0	199	277	0	277
0	3400	9480	30	10.88	3	1580	0	1580	72	950	2810	3832	3432	400	680	3000	3680	199	0	199	307	0	307
0	3400	9450	31	11.02	3	1580	0	1580	72	950	2800	3822	3422	400	670	3000	3670	199	0	199	560	0	560
0	3400	9210	AUG. 1	11.02	3	1570	0	1570	73	1000	2780	3853	3453	400	650	3000	3650	199	0	199	386	0	386
0	3400	9180	2	11.00	3	1570	0	1570	69	1040	2780	3889	3489	400	620	3000	3620	199	0	199	307	0	307
0	3400	9180	3	11.01	3	1570	0	1570	69	1030	2780	3879	3479	400	600	3000	3600	199	0	199	302	0	302
0	3400	9240	4	11.01	3	1570	0	1570	71	1040	2720	3831	3431	400	580	3000	3580	199	0	199	523	0	523
0	3044	9140	5	11.04	3	1560	0	1560	71	1030	2680	3781	3413	368	874	2676	3550	186	0	186	452	0	452
0	3081	9140	6	11.00	3	1550	0	1550	71	1040	2680	3791	3428	363	922	2618	3540	199	0	199	646	0	646
0	3148	9020	7	11.02	3	1550	0	1550	71	1050	2670	3791	3421	370	742	2778	3520	193	0	193	572	0	572
0	3233	8900	8	10.98	3	1540	0	1540	71	1030	2580	3681	3301	380	667	2853	3520	191	0	191	441	0	441
0	3400	8720	9	10.90	3	1510	0	1510	70	1020	2520	3610	3210	400	500	3000	3500	191	0	191	316	0	316
0	3177	8690	10	10.97	3	1510	0	1510	70	1040	2550	3660	3286	374	677	2803	3480	191	0	191	319	0	319
0	3128	8630	11	10.97	3	1500	0	1500	70	1040	2540	3650	3282	368	720	2760	3480	191	0	191	316	0	316
0	3101	8630	12	10.96	3	1500	0	1500	70	1040	2480	3590	3225	365	764	2736	3500	191	0	191	310	0	310
0	3156	8600	13	11.02	3	1500	0	1500	70	1040	2450	3560	3189	371	735	2785	3520	191	0	191	425	0	425
0	3207	8570	14	11.01	3	1450	0	1450	69	1030	2450	3549	3171	378	691	2829	3520	191	0	191	530	0	530
0	3296	8450	15	10.94	3	1430	0	1430	69	1020	2430	3519	3131	388	612	2908	3520	178	0	178	322	0	322
0	3318	8270	16	10.83	3	1420	0	1420	70	1010	2430	3510	3120	390	602	2928	3530	178	0	178	293	0	293
0	3304	8480	17	10.80	3	1420	0	1420	70	1000	2430	3500	3112	388	644	2916	3560	178	0	178	296	0	296
0	3342	8510	18	10.80	3	1420	0	1420	70	990	2460	3520	3127	393	621	2949	3570	178	0	178	296	0	296
0	3271	8600	19	10.80	3	1420	0	1420	70	980	2480	3530	3145	385	724	2886	3610	178	0	178	296	0	296
0	3190	8750	20	10.83	3	1420	0	1420	70	980	2520	3570	3195	375	795	2815	3610	178	0	178	299	0	299
0	3173	8780	21	10.86	3	1420	0	1420	70	990	2540	3600	3227	373	820	2800	3620	178	0	178	299	0	299
0	3204	8810	22	10.96	3	1430	0	1430	70	1000	2580	3650	3273	377	793	2827	3620	178	0	178	305	0	305
0	3209	8810	23	10.84	3	1420	0	1420	70	990	2580	3640	3262	378	769	2831	3600	178	0	178	296	0	296
0	3179	8930	24	10.90	3	1420	0	1420	70	990	2590	3650	3276	374	795	2805	3600	178	0	178	288	0	288
0	3175	8810	25	10.90	3	1420	0	1420	70	1000	2580	3650	3276	374	779	2801	3580	178	0	178	296	0	296
0	3206	8840	26	10.96	3	1420	0	1420	70	1010	2550	3630	3253	377	731	2829	3560	177	0	177	307	0	307
0	3215	8810	27	10.98	3	1410	0	1410	70	1010	2550	3630	3252	378	733	2837	3570	177	0	177	310	0	310
0	3194	8930	28	11.03	3	1410	0	1410	70	1020	2550	3640	3264	376	762	2818	3580	177	0	177	512	0	512
0	3186	8960	29	11.01	3	1410	0	1410	70	1030	2550	3650	3275	375	789	2811	3600	177	0	177	418	0	418
0	3192	8930	30	11.00	3	1400	0	1400	70	1030	2540	3640	3264	376	794	2816	3610	177	0	177	418	0	418
0	3188	8840	31	10.96	3	1390	0	1390	70	1040	2540	3650	3275	375	797	2813	3610	177	0	177	339	0	339
0	3174	8840	SEPT. 1	11.00	3	1390	0	1390	61	1030	2560	3651	3278	373	819	2801	3620	177	0	177	313	0	313
0	3177	8840	2	11.02	3	1390	0	1390	61	1040	2570	3671	3297	374	807	2803	3610	177	0	177	389	0	389

DAILY SEGREGATION OF

ON OF DATA AT AND BETWEEN SNAKE RI

24 HOUR SECOND-FEET EXCEPT AS NOTED

24 HOUR SECOND-FEET EXCEPT AS NOTED																									
SNAKE RIVER NEAR 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 HEELEY	DATE	AMERICAN FALLS RESERVOIR CONTENTS ACRE-Feet	SNAKE RIVER AT HEELEY			THORNTON HEELEY STORAGE	LAKE WALCOTT STORAGE MAY-1941					
STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL					STORED	NORMAL	TOTAL				STORED	NORMAL	TOTAL							
1627	1928	3550	738	2831	2969	53	836	SEPT. 1	76	722	256	978	2939	SEPT. 2	1,055,740	8005	3195	11200	4	96,440					
1645	1815	3460	731	2829	2960	55	859	2	66	618	246	864	2936	3	1,032,220	8315	3181	11500	4	95,350					
1715	1685	3400	716	2165	2881	60	939	3	54	582	234	816	2921	4	1,022,590	8545	3155	11750	4	94,000					
1750	1560	3310	686	2165	2851	64	1000	4	50	511	240	751	2908	5	1,003,850	8454	3146	11600	4	94,400					
1965	1475	3440	721	2225	2946	75	1169	5	51	497	231	688	2897	6	990,400	8272	3128	11600	4	95,400					
1966	1344	3310	1236	1735	2971	44	686	6	46	386	222	588	2881	7	976,020	8097	3105	11200	4	95,400					
2151	1159	3310	1633	1344	2977	31	487	7	54	404	244	648	2888	8	961,830	7558	3132	10750	4	95,400					
2375	1245	3620	1643	1436	3079	44	688	8	62	702	242	944	2927	9	951,600	7131	3165	10300		95,310					
2481	1489	3970	1627	1467	3094	51	803	9	115	803	1157	1940	3009	10	946,390	5794	4146	9940		94,600					
2340	2660	5000	60	2681	2741	137	2143	10	213	2143	2137	4280	3051	11	941,600	4232	5188	9420		95,500					
2917	4343	7260	0	2308	2308	176	2742	11	301	2742	3376	6120	3061	12	936,160	2741	6439	9180		95,500					
1549	5841	7390				95	1456	12	462	1456	4234	5690	3090	13	927,350	1396	7394	8720		95,500					
461	5979	6440				28	435	13	476	435	4577	5010	3097	14	936,160	106	7674	7780		95,500					
494	5136	5630				30	464	14	477	464	4206	4670	3105	15	935,730	159	7311	7470		95,500					
559	4911	5470				34	525	15	456	525	4165	4690	3098	16	936,840	217	7363	7470		95,500					
559	4951	5510				34	525	16	381	525	4165	4690	3109	17	935,230	156	7214	7470		95,500					
		5316						17		4390	4390		3111	18	935,730	0	7430	7430		95,500					
								18		4210	4210		3126	19	933,710	94	7336	7430		95,500					
								19		3830	3830		3124	20	932,500	476	6954	7430		95,500					
								20		3379	3379		3130	21	931,090	670	6560	7170		95,500					
								21		2930	2930		3124	22	928,800	646	6034	6750		95,500					
								22		2740	2740		3116	23	927,630	504	5856	6360		95,500					
								23		2750	2750		3136	24	927,250	332	5858	6190		95,500					
								24		2900	2900		3164	25	927,250	0	5990	5990		95,500					
								25		2900	2900		3185	26	922,800	0	5940	5940		95,500					
								26		2900	2900		3192	27	924,510	0	5940	5940		95,500					
								27		2900	2900		3209	28	925,630	0	5780	5780		94,700					
								28		2960	2960		3196	29	925,630	0	5750	5700		94,700					
								29		3170	3170		3177	30	925,630	0	5740	5740		95,200					
										53,288													2.16		
77,410			20,724			3,398		53,288																	

ONE RIVER GAGING STATIONS 1950

SNANTON NEAR SON STORED	LAKE WALCOTT CONTENTS ACRE- FEET	MINIDOKA CANALS					SNAKE RIVER NEAR MINIDOKA			DATE	MILNER LAKE GAGE FEET	WAHL STORED	GOODING PROJECT			NORTH SIDE CANAL COMPANY						TWIN CANAL STORED
		NORTH	SOUTH	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL				STORED	NORMAL	TOTAL	P. A.	GOODING	MAIN	TOTAL	STORED	NORMAL	
1623	94,140	1380	1250	2630	2630	0	5615	3195	8810	SEPT. 3	11.01	3	1380	0	1380	48	1030	2560	3638	3262	371	791
1643	93,900	1380	1240	2620	2620	0	5629	3181	8810	4	10.99	3	1380	0	1380	60	1030	2570	3660	3286	371	791
1715	94,020	1320	1210	2530	2530	0	5715	3155	8870	5	11.00	3	1380	0	1380	59	1030	2580	3669	3298	371	791
1754	94,490	1270	1240	2510	2510	0	5844	3146	8990	6	11.02	1	1380	0	1380	59	1040	2600	3699	3329	371	791
1964	95,180	1270	1260	2530	2530	0	5892	3128	9020	7	11.02		1380	0	1380	59	1020	2600	3679	3311	368	787
1968	95,180	1280	1230	2510	2510	0	5767	3103	8870	8	10.98		1380	0	1380	59	1020	2590	3669	3304	368	787
2151	95,670	1200	1230	2430	2430	0	5528	3132	8660	9	10.98		1380	0	1380	59	1030	2450	3539	3171	368	787
2371	95,310	1070	1020	2090	2090	0	5161	3169	8330	10	10.96		1370	0	1370	59	1020	2330	3409	3036	371	791
2481	96,630	935	871	1806	1060	746	4570	3400	7970	11	10.96		1370	0	1370	59	1030	2260	3349	2949	401	801
2341	96,630	903	803	1706	0	1706	4428	3482	7910	12	10.92		1380	0	1380	59	1020	2200	3279	2797	481	881
2911	95,910	844	718	1562	0	1562	2913	4877	7790	13	10.98		1360	0	1360	59	1010	2090	3159	1262	1897	997
1549	96,390	780	679	1459	0	1459	1695	5865	7580	14	10.76		1320	0	1320	58	990	1980	3029	64	298	798
461	95,670	750	656	1406	0	1406	1116	6044	7160	15	10.70		1066	224	1290	55	990	1780	2825	0	282	782
494	94,840	748	646	1394	0	1394	1037	5753	6790	16	10.75		1127	163	1290	55	1000	1690	2745	0	274	774
559	94,020	746	648	1394	0	1394	1056	5704	6760	17	10.79		1125	165	1290	54	1010	1700	2764	0	276	776
559	93,200	680	648	1328	0	1328	1057	5683	6740	18	10.87		1026	264	1290	54	1030	1690	2774	0	277	777
	92,860	640	597	1237	0	1237	956	5674	6630	19	10.84		732	518	1250	51	1000	1680	2731	0	273	773
	92,390	638	509	1147	0	1147	728	5582	6310	20	10.74		594	606	1200	51	970	1670	2691	0	269	769
	93,320	638	468	1106	0	1106	590	5240	5830	21	10.74		570	610	1180	45	950	1480	2475	0	247	747
	95,430	644	444	1088	0	1088	676	4964	5640	22	10.72		732	448	1180	41	940	1390	2371	0	237	737
	96,150	648	485	1133	0	1133	870	4620	5490	23	10.64		840	300	1140	35	940	1160	2135	0	213	713
	96,870	650	499	1149	0	1149	846	4484	5330	24	10.66		866	224	1090	35	960	1070	2065	0	206	706
	96,990	648	418	1066	0	1066	824	4526	5350	25	10.66		824	266	1090	35	970	1080	2085	0	208	708
	96,870	648	340	988	0	988	803	4547	5350	26	10.52		624	456	1080	32	970	984	1986	0	198	698
	96,390	646	342	988	0	988	1007	4433	5440	27	10.59		571	519	1090	0	990	859	1849	0	184	684
	95,180	642	362	1004	0	1004	1124	4396	5520	28	10.77		559	541	1100	0	980	885	1865	0	186	686
	95,180	642	374	1016	0	1016	1073	4327	5400	29	10.70		483	437	920	0	800	1180	1980	0	198	698
	94,020	642	413	1055	0	1055	870	4570	5440	30	10.76				0	0	0	1740	1740	0	174	674
	93,200	640	610	1250	0	1250	830	4690	5520													
77,4106					124,256							151	97,039							176,482		

ING STATIONS 1950

PLATE NO. 13

SNAKE RIVER EAR MINIDOKA			DATE	MILNER LAKE GAGE FEET	WAHL STORED	GOODING PROJECT			NORTH SIDE CANAL COMPANY					TWIN FALLS CANAL COMPANY			MILNER LOW LIFT			SNAKE RIVER AT MILNER			
STORED	NORMAL	TOTAL				STORED	NORMAL	TOTAL	P. A.	GOODING	MAIN	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL
615	3195	8810	SEPT. 3	11.01	3	1380	0	1380	48	1030	2560	3638	3262	376	791	2819	3610	176	0	176	512	0	512
629	3181	8810	4	10.99	3	1380	0	1380	60	1030	2570	3660	3286	374	843	2807	3650	176	0	176	307	0	307
715	3155	8870	5	11.00	3	1380	0	1380	59	1030	2580	3669	3298	371	856	2784	3640	176	0	176	376	0	376
844	3146	8990	6	11.02	1	1380	0	1380	59	1040	2600	3699	3311	368	854	2776	3630	175	0	175	462	0	462
892	3128	9020	7	11.02		1380	0	1380	59	1020	2600	3679	3304	365	870	2760	3630	175	0	175	462	0	462
967	3103	8870	8	10.98		1380	0	1380	59	1030	2450	3539	3171	368	842	2738	3580	175	0	175	462	0	462
128	3132	8660	9	10.98		1380	0	1380	59	1020	2330	3409	3036	373	736	2764	3500	174	0	174	490	0	490
161	3169	8330	10	10.96		1370	0	1370	59	1030	2260	3349	2949	400	674	2796	3470	174	0	174	572	0	572
170	3400	7970	11	10.96		1370	0	1370	59	1030	2260	3349	2949	400	280	3000	3280	174	0	174	445	0	445
188	3482	7910	12	10.92		1380	0	1380	59	1020	2200	3279	2797	482	90	3000	3090	174	0	174	526	0	526
193	4677	7790	13	10.98		1360	0	1360	59	1010	2090	3159	1262	1897	0	2980	2980	174	0	174	333	0	333
195	5865	7560	14	10.76		1320	0	1320	58	990	1980	3029	64	2965	0	2900	2900	174	0	174	630	0	630
196	6044	7160	15	10.70		1066	224	1290	55	990	1780	2825	0	2825	0	2860	2860	174	0	174	497	0	497
197	5753	6790	16	10.75		1127	163	1290	55	1000	1690	2745	0	2745	0	2710	2710	39	135	174	293	0	293
198	5704	6760	17	10.79		1125	165	1290	54	1010	1700	2764	0	2764	0	2640	2640	34	135	169	302	0	302
199	5683	6740	18	10.87		1026	264	1290	54	1030	1690	2774	0	2774	0	2510	2510	34	135	169	305	0	305
200	5674	6630	19	10.84		732	518	1250	51	1000	1680	2731	0	2731	0	2290	2290	23	135	158	494	0	494
201	5582	6310	20	10.74		594	606	1200	51	970	1670	2691	0	2691	0	2150	2150	11	135	146	646	0	646
202	5240	5830	21	10.74		570	610	1180	45	950	1480	2475	0	2475	0	2020	2020	3	135	138	508	0	508
203	4964	5640	22	10.72		732	448	1180	41	940	1390	2371	0	2371	0	2020	2020	3	135	138	476	0	476
204	4620	5490	23	10.64		840	300	1140	35	940	1160	2135	0	2135	0	2060	2060	0	125	125	455	0	455
205	4484	5330	24	10.66		866	224	1090	35	960	1070	2065	0	2065	0	2070	2070	0	125	125	386	0	386
206	4526	5350	25	10.66		824	266	1090	35	970	1080	2085	0	2085	0	2050	2050	0	125	125	501	0	501
207	4547	5350	26	10.52		624	456	1080	32	970	984	1986	0	1986	0	1980	1980	0	125	125	504	0	504
208	4433	5440	27	10.59		571	519	1090	0	990	859	1849	0	1849	0	1940	1940	0	125	125	512	0	512
209	4396	5520	28	10.77		559	541	1100	0	980	885	1865	0	1865	0	1890	1890	0	100	100	441	0	441
210	4327	5400	29	10.70		483	437	920	0	800	1180	1980	0	1980	0	1810	1810	0	100	100	776	0	776
211	4570	5440	30	10.76				0	0	0	1740	1740	0	1740	0	1730	1730	0	100	100	1090	0	1090
212	4690	5520						0	0	0			0					0			2190	0	2190
					151	97,039						176,482	38,704	10,922	31,538								

DAILY STOP

[illegible]

1950

24 HOUR SECOND-FEET EXCEPT AS NOTED

SEPTEMBER

570	732	840
301	301	301

S 1950

PLATE NO. 14

											NO.	TOTAL		JACKSON LAKE EQUIVALENT ACRE-FEET	JACKSON LAKE RIGHT ACRE-FEET	AMERICAN FALLS RIGHT		OTHER RIGHTS ACRE-FEET	RENTALS AND EXCHANGES ACRE-FEET	TOTAL RIGHTS ACRE-FEET
1	2	3	4	5	6	7	8	9	10	11		SECOND- FEET	ACRE- FEET			OWNED ACRE-FEET	LEASED ACRE-FEET			
4	4										1	109	217	234					① 234	234
15	19										2	1,041	2,064	2,226		793	350		② 7,900	2,343
5	272										3	8,209	16,283	17,558	1,200	14,609	6,110		③ 296	28,619
5	5										4	875	1,736	1,872					④ -7,400	2,296
18	57										5	3,647	7,233	7,798	2,000	10,509	4,800		⑤ 73	14,009
											6	34	68	73	6,100				⑥ 113	73
12	0										7	53	105	113					⑦ 360	113
38	87										8	1,498	2,971	3,204	5,000	11,994	6,084		⑧ 2,545	23,438
30	45										9	3,487	6,916	7,458	2,000	2,000	3,735		⑨ 40	10,280
1	1										10	5,376	10,663	11,500	5,120	7,496	10,300		⑩ 90	22,956
											11	42	83	90						90
5	20										12	22	44	47	1,040					1,040
6	64										13	1,625	3,223	3,475	4,000					4,000
											14	1,816	3,602	3,884	3,000	4,504	2,200			9,704
											15	346	686	740		3,002	1,320			4,322
											16	25	50	54					③ 220	220
											17	97	192	207					④ 207	207
											18	195	387	417					⑤ 1,200	1,200
											19	0	0	0		1,034	432			1,466
											20	461	914	985					⑦ 985	985
											21	49	97	105					⑧ 105	105
110											22	721	1,430	1,542		3,002	11,156		⑨ 200	14,358
											23	3,684	7,307	7,880		13,852	8,600			24,452
											24	61	121	130		225	105			330
											25	42	83	90		79	32			111
											26	761	1,509	1,627	355			⑧ 570	③ 1,350	2,275
											27	6,330	12,556	13,540		26,986	9,910			36,896
											28	1,728	3,427	3,695	1,500	2,250	1,260			5,010
											29	8,269	16,402	17,687	5,000	28,528	14,000		③ 1,970	49,498
											30	50	99	107		9,000	740			9,740
											31	9,841	19,519	21,046	15,000	27,643	13,000			55,643
											32	60,385	119,770	129,150	51,315	169,506	94,134	570	10,254	325,779
											33	349	692	746		15,033	6,600		③ 2,000	21,633
											34	364	722	778						2,000
											35	6,066	12,032	12,973	8,000	22,519	14,710			45,229
											36	13,840	27,451	29,604	42,685	41,333	67,420			151,438
											37	0	0	0		4,000	1,540			5,540
											38	47	93	100		1,462	563			2,025
											39	58	116	125					③ 125	125
											40	20,724	41,106	44,326	50,685	84,347	90,833		2,125	227,990
											41	216	426						③ 600	600
											42	124,256	246,458		325,810	50,000	45,000	⑨ 134,790		555,600
											43	10,922	21,664			34,113	15,000			49,113
											44	38,704	76,768		97,183	151,185			- 990	247,378
											45	176,482	350,047		322,007	320,256	172,033			814,296
											46	97,039	192,474			400,000				400,000
											47	21,900	43,438			45,000				45,000
											48	151	300						③ 300	300
											49								⑩ 43,593	0
											GRAND TOTALS	550,888	1,092,668		947,000	1,254,407	430,593	135,360	-1,070	2,666,290

NOTES

- ① 109 A.F. FROM U.S.; 125 A.F. FROM MARKET LAKE SPRINGS
- ② 500 A.F. FROM U.S.; 7,000 A.F. FROM ENTERPRISE RENTED FROM U.S.
- ③ TO PROGRESSIVE IRR. DIST.
- ④ 50 A.F. FROM U.S.; 23 A.F. FROM MARKET LAKE SPRINGS
- ⑤ JACKSON, CHENEY 77 A.F. FROM MARKET LAKE SPRINGS; BROWN 5 A.F. FROM T.F. CANAL CO.; QUINN, TERRY 125 A.F. FROM U.S.
- ⑥ FROM T.F. CANAL CO.
- ⑦ FROM MARKET LAKE SPRINGS
- ⑧ LAKE WILCOTT CONTENTS ON JULY 18 OF 93,090 A.F. PLUS 41,700 A.F. GAIN NEELEY TO WILNER
- ⑨ SEE PLATES 22 & 23 FOR SNAKE RIVER STORAGE USED ON HENRY'S FORK
- ⑩

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

File _____
Number _____
District _____

TIME INTERVAL BETWEEN GAGING STATIONS ON SNAKE RIVER

Plate No 15

TIME: CLOUGH TO RUEGAR - 12 Hrs.
RUEGAR TO MINIDOKA - 8 Hrs.
MINIDOKA TO MILNER - 12 Hrs.

Marion to Heise - Disch. at Heise

Heise to Shelley - Disch. at Shelley

Shelley to Cloughs - Disch. at Shelley

TIME INTERVAL IN HOURS

Checked by _____

Date _____

Prepared by _____

of _____ Sheets.

Sheet No. _____

MAY - 1950

MAY - 1950

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
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[illegible]

HENRYS FORK CANALS

[illegible]

TETON RIVER CANALS

SIDOWAY	WILFORD	TETON IRRIGATION	GOOD LUCK	PIONEER	STEWART	PINCOCK-BYINGTON	PINCOCK-GARNER	GARDNER	TETON ISLAND FEEDER	NORTH SALEM	ROXANA	ISLAND WARD	WOODMANSEE-JOHNSON	EAMES-THOMPSON	MC CORMICK-ROWE	CITY OF REXBURG	REXBURG IRRIGATION	SAURY-SOMMERS	TOTAL TETON RIVER
116	2587	1166	106	105	178	146	324	8374	0	316	1473	365	48	3974	510	3974	192	14785	
9	111	85	20	0	0	9	23	420	0	0	0	55	3	32	32	180	13	1068	
10	111	85	0	0	10	10	23	447	0	0	0	55	3	32	26	175	18	1063	
12	117	80	0	16	16	9	18	447	0	0	0	53	3	32	26	173	14	1054	
12	122	70	0	16	16	16	13	341	0	0	0	53	3	32	26	173	14	1054	
12	119	62	0	15	17	20	10	350	0	0	0	54	3	32	26	180	14	945	
0	126	85	0	10	16	16	15	360	0	0	0	54	3	32	25	200	8	945	
7	80	36	0	14	14	14	15	0	0	0	0	74	3	32	23	216	7	867	
7	80	36	0	14	14	14	15	0	0	0	0	74	3	32	23	216	7	867	
0	84	35	0	14	14	14	13	0	0	0	0	74	3	32	23	216	7	867	
0	89	34	0	14	14	14	13	0	0	0	0	74	3	32	23	216	7	867	
0	88	34	0	14	14	14	13	0	0	0	0	74	3	32	23	216	7	867	
0	88	34	0	13	13	13	13	328	0	0	0	68	45	0	0	0	10	585	
0	83	24	0	13	13	13	13	250	0	0	0	62	45	0	0	0	10	585	
0	80	23	0	13	13	13	13	200	0	0	0	52	45	0	0	0	10	503	
0	76	22	0	13	13	13	13	130	0	0	0	48	45	0	0	0	10	503	
0	74	21	0	10	10	10	10	130	0	0	0	48	45	0	0	0	10	410	
0	72	37	0	10	10	10	10	190	0	0	0	43	45	0	0	0	10	346	
0	70	37	0	10	10	10	10	166	0	0	0	43	45	0	0	0	10	346	
0	50	37	0	10	10	10	10	130	0	0	0	43	45	0	0	0	10	346	
0	50	37	0	10	10	10	10	130	0	0	0	43	45	0	0	0	10	346	
0	42	42	14	14	14	14	14	129	129	130	130	15	15	0	0	0	0	0	0
0	43	42	14	14	14	14	14	129	129	130	130	15	15	0	0	0	0	0	0
0	45	43	14	14	14	14	14	129	129	130	130	15	15	0	0	0	0	0	0
0	45	43	14	14	14	14	14	129	129	130	130	15	15	0	0	0	0	0	0
0	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
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0	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
0	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
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0	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
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0	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
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0	38	38	38	38	38	38	38	38	38	38	38	38	38	38</					

DAILY DISCHARGE IN SECOND-FOOT OF HENRY'S FORK CANALS		JUNE 1950
1	10	10
2	10	10
3	10	10
4	10	10
5	10	10
6	10	10
7	10	10
8	10	10
9	10	10
10	10	10
11	10	10
12	10	10
13	10	10
14	10	10
15	10	10
16	10	10
17	10	10
18	10	10
19	10	10
20	10	10
21	10	10
22	10	10
23	10	10
24	10	10
25	10	10
26	10	10
27	10	10
28	10	10
29	10	10
30	10	10
31	10	10

JUNE 1950

CANAL

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

[illegible][illegible][illegible]

FALL RIVER CANALS

0561 1950 JULY

CANAL	
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TOTAL	

YELLOWSTONE	MARYSVILLE	TOTAL ABOVE SQUIRREL	FARMERS OWN	ENTERPRISE	BELL	FALL RIVER	MC BEE	CHESTER	SILKEY	CURR	TOTAL SQUIRREL TO CHESTER
10	10	220	76	158	11	442	3	82	11	39	82
10	10	220	73	157	11	430	3	83	11	39	82
10	10	250	85	155	11	417	3	84	11	38	80
10	10	250	85	154	11	417	3	86	10	36	80
10	10	250	88	152	11	366	3	84	9	36	79
10	10	250	88	152	11	357	3	80	9	36	74
10	10	250	89	151	10	357	3	78	9	35	72
10	10	250	90	150	1	352	3	74	9	35	71
10	10	252	88	149	0	357	3	72	9	36	71
10	10	252	83	148	0	343	3	71	9	36	69
9	9	262	83	147	0	343	3	70	9	36	69
9	9	262	83	146	0	343	3	68	9	39	70
8	8	253	79	145	0	360	3	65	10	39	70
8	8	253	72	144	0	364	3	64	12	39	70
7	7	270	72	144	0	355	2	62	13	38	70
7	7	271	72	151	11	374	2	68	13	37	71
6	6	259	76	157	11	412	1	95	13	37	71
6	6	259	77	157	11	412	2	82	13	37	79
8	8	254	77	157	11	417	2	82	13	37	79
9	9	257	80	157	5	360	1	56	10	39	70
17	17	265	79	167	5	342	1	51	9	44	69
17	17	265	79	167	4	200	2	81	11	44	68
15	15	267	81	173	5	198	3	88	11	44	59
15	15	267	82	171	6	184	3	84	11	44	59
329	7675	8004	2508	4867	201	10586	82	2367	335	1196	22082

HENRY'S FORK CANALS

[illegible]

TETON RIVER CANALS

[illegible]

SEPTEMBER 1950

FALL RIVER CANALS

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

	207	1945	2202	674	2581	83	4462	31	403	72	416	8722
YELLOWSTONE	12	12	12	12	12	12	12	12	12	12	12	12
MARYSVILLE	208	208	208	208	208	208	208	208	208	208	208	208
TOTAL ABOVE SQUIRREL	220	220	220	220	220	220	220	220	220	220	220	220
FARMERS OWN	43	43	43	43	43	43	43	43	43	43	43	43
ENTERPRISE	136	125	129	129	129	129	129	129	129	129	129	129
BELL	2	6	2	2	2	2	2	2	2	2	2	2
FALL RIVER	166	166	166	166	166	166	166	166	166	166	166	166
MC BEE	1	1	1	1	1	1	1	1	1	1	1	1
CHESTER	8	9	14	14	14	14	14	14	14	14	14	14
SILKEY	5	5	5	5	5	5	5	5	5	5	5	5
CURR	25	25	25	25	25	25	25	25	25	25	25	25
TOTAL SQUIRREL TO CHESTER	386	380	385	381	382	382	382	382	382	382	382	382

HENRY'S FORK CANALS

	408	1366	2698	6519	624	1882	2295	15792	3097	1383	3642	3380	11502
DEWEY	11	11	11	11	11	11	11	11	11	11	11	11	11
LAST CHANGE	46	46	46	46	46	46	46	46	46	46	46	46	46
CROSS CUT	201	194	191	191	191	191	191	191	191	191	191	191	191
ST. ANTHONY UNION	411	404	411	413	388	390	347	349	293	164	164	164	164
FARMERS FRIEND	62	62	64	64	65	47	47	47	19	10	10	10	10
TWIN GROVES	106	101	103	103	100	90	92	46	47	46	46	46	46
SALEM UNION	157	157	157	157	157	157	157	157	157	157	157	157	157
TOTAL ASHTON TO ST. ANTHONY	994	975	985	987	960	945	946	896	874	656	524	532	531
EGIN	233	243	230	230	245	235	238	224	197	119	119	119	119
ST. ANTHONY UNION FEEDER	66	66	66	66	66	66	66	66	66	66	66	66	66
INDEPENDENT	236	236	240	240	185	182	143	143	143	157	85	85	85
CONSOLIDATED FARMERS	154	154	135	135	135	135	135	135	135	135	135	135	135
TOTAL ST. ANTHONY TO REXBURG	689	699	671	671	631	615	579	565	542	445	359	252	252

TETON RIVER CANALS

	124	1512	1327	58	112	84	29	62	11	5650	66	0	124
SIDOWAY	7	8	8	8	8	8	8	8	8	8	8	8	8
WILFORD	59	59	56	50	51	47	47	52	51	56	59	59	59
TETON IRRIGATION	78	78	73	73	73	73	73	73	73	73	73	73	73
GOOD LUCK	13	13	13	13	13	13	13	13	13	13	13	13	13
PIONEER	10	10	10	10	10	10	10	10	10	10	10	10	10
STEWART	1	1	1	1	1	1	1	1	1	1	1	1	1
PINCOCK-BYINGTON	2	2	2	2	2	2	2	2	2	2	2	2	2
PINCOCK-GARNER	10	13	13	13	13	13	13	13	13	13	13	13	13
GARDNER	106	186	189	189	189	189	189	189	189	189	189	189	189
TETON ISLAND FEEDER	106	186	189	189	189	189	189	189	189	189	189	189	189
NORTH SALEM	0	0	0	0	0	0	0	0	0	0	0	0	0
ROXANA	4	4	4	4	4	4	4	4	4	4	4	4	4
ISLAND WARD	34	35	35	35	35	35	35	35	35	35	35	35	35
WOODMANSEE-JOHNSON	10	12	14	14	14	14	14	14	14	14	14	14	14
EAMES-THOMPSON	0	0	0	0	0	0	0	0	0	0	0	0	0
MC CORMICK-ROWE	3	3	3	3	3	3	3	3	3	3	3	3	3
CITY OF REXBURG	18	26	26	26	26	26	26	26	26	26	26	26	26
REXBURG IRRIGATION	156	145	148	148	148	148	148	148	148	148	148	148	148
SAURY-SOMMERS	13	13	13	13	13	13	13	13	13	13	13	13	13
TOTAL TETON RIVER	708	711	702	692	664	620	571	625	602	497	471	458	449

HENRY'S FORK — DAILY SEGREGATION OF FLOW

195

24 HOUR SECOND-FOOT EXCEPT AS NOTED

24 HOUR SECOND-FOOT EXCEPT AS NOTED																								
DATE	HENRYS LAKE CONTENTS ACRE-FOET	HENRYS FORK NEAR LAKE			STORED LOSS LAKE TO ISLAND PARK	STORAGE DIVERSIONS ABOVE ISLAND PARK	F.M. DIST. SHERIDAN CREEK RIGHT	STORAGE INFLOW TO ISLAND PARK RESERVOIR	DATE	ISLAND PARK RESERVOIR CONTENTS ACRE-FOET	HENRYS FORK NEAR ISLAND PARK			STORED LOSS ISLAND PARK TO ASHTON	DATE	HENRYS FORK NEAR ASHTON			GRASSY LAKE STORAGE RELEASE	STORAGE DIVERSIONS ASHTON TO ST. ANTHONY	HENRYS FORK AT ST. ANTHONY			
		STORED	NORMAL	TOTAL							STORED	NORMAL	TOTAL			STORED	NORMAL	TOTAL			STORED	NORMAL	TOTAL	
JULY 17																								
18																								
19																								
20																								
21						5	12	7	JULY 19	133,750														
22						5	12	7	19	133,750	7	536	543		JULY 19	20	7	1313	1320		10	-10	973	963
23						5	12	7	20	133,430	7	521	528		21	7	1353	1360		11	-4	874	870	
24						5	12	7	21	133,270	277	476	753		22	279	1410	1589		324	-317	1009	692	
25						5	12	7	22	132,550	375	476	851	7	23	346	1334	1700		336	-66	936	870	
26						5	12	7	23	131,750	360	476	836	9	24	351	1309	1660		332	34	856	890	
27						5	12	7	24	131,115	360	476	836	9	25	351	1299	1650		337	14	856	870	
28	78,972	141	60	201		5	12	7	25	130,325	370	476	846	9	26	361	1299	1650		321	30	870	900	
29		237	55	292	6	5	12	7	26	129,460	384	476	860	10	27	374	1286	1640		318	43	787	830	
30		231	54	285	10	5	12	7	27	128,675	365	476	841	9	28	366	1274	1630		339	35	795	830	
31		224	54	278	9	5	12	142	29	128,045	365	476	841	9	29	356	1304	1640		342	14	771	785	
AUG. 1		216	53	269	9	5	12	234	30	127,500	394	476	870	10	30	364	1316	1700		310	46	784	830	
2		214	53	267	9	5	12	229	31	127,185	434	476	910	11	31	423	1237	1720		318	66	814	880	
3	76,578	134	52	186	5	5	12	222	AUG. 1	125,940	429	476	905	11	AUG. 1	419	1232	1650		311	112	758	870	
4		78	52	130	3	5	12	214	2	125,535	439	476	915	11	2	428	1232	1680		309	59	744	800	
5		79	52	131	3	5	12	212	3	125,010	444	476	920	11	3	433	1227	1680		354	74	776	850	
6		80	51	131	3	5	12	136	4	124,395	449	476	925	11	4	438	1222	1700		321	112	728	840	
7		80	51	131	3	5	12	82	5	124,010	459	476	935	11	5	448	1272	1720		332	106	754	860	
8		67	65	132	3	5	12	83	6	123,170	474	476	950	12	6	462	1288	1730		332	118	814	930	
9	76,200	72	60	132	3	5	12	84	7	122,260	490	476	966	12	7	478	1222	1750		308	154	820	970	
10		77	55	132	3	5	12	84	8	121,350	490	476	966	12	8	478	1242	1720		335	193	803	920	
11		82	50	132	3	5	12	71	9	120,970	360	476	836	9	9	351	1009	1360	0	285	193	817	1000	
12		85	49	134	3	5	12	76	10	120,440	223	476	699	9	10	217	1303	1520	47	287	54	656	740	
13		82	49	131	3	5	12	81	11	119,835	374	477	851	9	11	365	1245	1610	54	286	-132	800	900	
14		83	48	131	3	5	12	85	12	119,160	379	477	856	9	12	370	1260	1630	63	421	-2	796	770	
15		84	48	132	3	5	12	89	13	118,785	383	477	860	10	13	373	1277	1630	63	406	28	872	940	
16		84	47	131	3	5	12	86	14	118,190	388	477	865	10	14	378	1252	1630	47	394	71	839	910	
17		84	47	131	3	5	12	87	15	117,520	393	477	870	10	15	383	1247	1630	47	337	93	846	940	
18		86	46	132	3	5	12	88	16	116,780	398	477	875	10	16	388	1222	1610	55	385	117	773	890	
19		86	46	132	3	5	12	88	17	116,110	403	477	880	10	17	393	1217	1610	54	382	-235	1125	890	
20		86	45	131	3	5	12	90	18	115,450	403	477	880	10	18	393	1237	1630	53	371	-225	1115	890	
21		85	45	130	3	5	12	90	19	113,915	603	477	1080	15	19	588	1512	2100	53	385	48	1122	1170	
22		84	44	128	3	5	12	90	20	112,310	953	477	1430	24	20	929	1511	2240	53	381	400	1040	1440	
23		84	44	128	3	5	12	90	21	110,655	953	477	1430	24	21	929	1291	2220	61	579	411	1089	1500	
24	73,050	84	43	127	3	5	12	89	22	108,875	893	477	1370	22	22	929	1331	2260	53	579	407	1133	1500	
25	72,802	84	43	127	3	5	12	88	23	106,755	763	477	1240	19	23	871	1189	2080	61	546	387	1013	1410	
26		84	42	126	3	5	12	88	24	106,125	703	477	1180	17	24	744	1276	2020	61	546	261	1099	1410	
27		86	41	127	3	5	12	88	25	105,150	603	477	1080	15	25	686	1174	1880	53	544	195	1065	1360	
28		87	40	127	4	5	12	88	26	104,180	603	477	1080	15	26	588	1242	1830	45	538	100	1140	1310	
29		86	40	126	3	5	12	88	27	103,215	603	477	1080	15	27	588	1242	1830	53	335	336	1004	1340	
30		89	38	127	4	5	12	90	28	102,320	603	477	1080	15	28	588	1242	1830	52	403	212	1078	1390	
31		90	37	127	4	5	12	90	29	101,165	603	477	1080	15	29	588	1242	1830	51	511	129	1081	1310	
SEPT. 1		91	36	127																				

PLATE NO. 21

24 HOUR SECOND-FEET EXCEPT AS NOTED

(A) LISTED HERE ONE DAY LATER THAN ACTUAL RELEASE

STORAGE DIVERSIONS ON HENRYS

24 HOUR SECOND-FEET

NAME OF CANAL	NO.	JULY																															AUGUST																
		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																	
USERS ABOVE ISLAND PARK	1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5																	
BOOM CREEK	2																																																
SQUIRREL CREEK	3										8	11	10	5	5	5	4	4	3	3	3	3	0																										
CONANT CREEK	4				7	7	7	7	11	11	13	5	10	7	6	6	6	8	5	4	4	2	7	5	5	4	5	4	5	5	4	9																	
YELLOWSTONE	5				20	20	19	19	19	19	21	20	23	19	19	16	16	14	12	10	14	14	14	14	16	16	15	15	15	14	14	14																	
MARYSVILLE	6																																																
FARMERS OWN	7																																																
ENTERPRISE	8																																																
BELL	9		9	11	157	157	157	157	157	167	167	171	173	167	161	161	159	153	167	163	161	159	157	157	153	163	158	158	156	155	156	153																	
MC BEE	10				6	6	6	6									7	7	7	7	7	7	7	7	7	7	7	6	7	7	0																		
FALL RIVER	11				14	52	52	57	0	0	12	30	0	17	17	8	6	0	0	2	3	2	1	0																									
CHESTER	12																																																
SILKEY	13																																																
CURR	14																																																
DEWEY	15																																																
LAST CHANCE	16																																																
ST. ANTHONY UNION	17																																																
FARMERS FRIEND	18				120	94	91	90	98	85	82	69	56	65	65	74	76	59	58	57	56	48	47	38	79	50	51	50	51	51	39	31																	
TWIN GROVES	19																																																
SALEM UNION	20																																																
STEWART	21		1					1		1	1	1	1		1			1	1				1		1							1																	
TOTAL ASHTON TO ST. ANTHONY	22	0	10	11	324	336	332	337	321	318	339	342	310	318	311	359	354	321	332	332	308	285	285	297	396	421	415	408	354	337	326	68																	
EGIN	23																																																
INDEPENDENT	24																																																
CONSOLIDATED FARMERS	25																																																
TOTAL ST. ANTHONY TO REXBURG	26																																																

1950

24 HOUR SECOND-FEET EXCEPT AS NOTED

SEPTEMBER

①	RENTED FROM U.S.	⑤	FROM
②	33 A.F. FROM F.M.DIST.; 66 A.F. FROM BOOM CREEK	⑥	40 A.F.
③	400 A.F. FROM F.M.DIST.; 127 A.F. FROM INDIAN LAKE	⑦	757 A.F.
④	TRANSFERRED FROM FARMERS OWN TO MARYSVILLE	⑧	FROM

FORK AND FALL RIVER

1950

PLATE NO. 22

EXCEPT AS NOTED

												SEPTEMBER								NO.	TOTAL		RESERVOIR RIGHTS IN ACRE- FEET							
19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7		8	SECOND- FEET	ACRE- FEET	FREMONT MADISON	HENRYS LAKE	AMERICAN FALLS OWNED LEASED		RENTALS & EXCHANGE	TOTAL RIGHT	HEADGATE EQUIVALENT
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0			1	250	496	360		① 200	⑤ 30	590	575	
																					2	64	127	30			② 99	129	127	
11	12	11	7	10	9	11	10	8	5	4	2	4	2	2	2	2	2	2	2	2	3	308	611	100			③ 527	627	615	
13	13	12	12	12	12	12	13	13	14	14	15	14	14	14	14	14	14	14	14	14	4	755	1,498	1,856					1,856	1,810
10	9	9	12	13	16	16	17	16	16	15	15	12	12	12	12	15	15	12	12	5	296	587	1,490						1,490	1,453
237	237	223	223	221	221	221	219	0	143	219	219	208	208	208	208	201	183	179	177	6	4,637	9,197	19,455			④ 25	19,480	18,995		
58	58	58	58	53	50	48	43	43	37	35	35	35	34	34	34	30	30	30	30	30	7	1,774	3,518	8,345			④ -25	8,320	8,113	
53	155	154	152	153	152	152	147	147	134	131	132	136	136	125	129	129	129	129	129	125	8	7,582	15,038	10,206		12,000	3,000		25,206	23,866
		0	5	5	5	5	5	5	5	4	4	0									9	171	339	50			⑤ 370	420	410	
																					10	0	0	80				80	78	
									0	12	12	9	7	0							11	313	621	8,234			⑥ -467	7,767	7,574	
0	4	4	4	4	8	9	9	6	6	8	8	7	8	9	14	14	14	14	14	14	12	335	664	1,277					1,277	1,245
																					13	0	0	504					504	492
																					14	0	0	60					60	59
4	24	24	12	12	12	12	12	12	12	12	12	12	11	11	11	11	11	14	17	17	15	566	1,123	619	1,086				1,705	1,622
6	54	52	51	48	48	47	46	48	50	50	46	46	46	46	48	48	48	48	48	50	16	1,595	3,163	1,774	10,537				12,311	11,592
7	3	18	26	0																	17	482	956	3,487	5,166				8,653	8,236
4	13	13	13	14	11	11	12	7	7	7	13	9	62	62	64	64	65	47	46	47	18	2,481	4,921	5,876			⑦ 1,022	6,898	6,726	
																					19	0	0	6,037			⑧ 40	6,077	5,926	
																					20	0	0	7,739	18,385				26,124	24,755
																					21	15	30				⑤ 153	153	149	
3	582	579	575	545	544	544	533	305	429	511	513	492	540	524	536	533	529	496	491	488	22	21,374	42,393	77,219	35,174	12,000	3,200	1,574	129,167	123,873
																					23	0	0	2,403	5,166				7,569	7,179
5	256	254	202	202	194	194	191	214	214	206	206	191	236	236	240	240	185	182	143	143	24	4,926	9,771	9,068	20,361				29,429	27,901
																					25	0	0	4,960	15,271				20,231	19,130
5	256	254	202	202	194	194	191	214	214	206	206	191	236	236	240	240	185	182	143	143	26	4,926	9,771	16,431	40,798				57,229	54,210

① RENTED FROM U.S.

② 33 A.F. FROM F.M.DIST.; 66 A.F. FROM BOOM CREEK

③ 400 A.F. FROM F.M.DIST.; 127 A.F. FROM INDIAN LAKE

④ TRANSFERRED FROM FARMERS OWN TO MARYSVILLE

⑤ FROM F.M.DIST.

⑥ 40 A.F. TO TWIN GROVES; 427 A.F. TO FARMERS FRIEND

⑦ 757 A.F. FROM F.M.DIST.; 427 A.F. FROM FALL RIVER; 162 A.F. TO WILFORD

⑧ FROM FALL RIVER

STORAGE DIVERSIONS FROM T

24 HOUR SECOND-FOOT EXCEPT

CANAL	NO.	JULY														AUGUST																
		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
TRAIL CREEK IRRIGATION CO.	1																															
STRING CANAL	2		0	16	16	11	11	1	1	0														0	14	14	14	2	2	2	4	
GRAND TETON	3		0	16	16	24	22	18	18	18	11	14	14	14	14	14	14	14	14	14	14	8	8	8	8	8	8	8	8	8	8	
SOUTH LEIGH	4		0	112	56	42	23	8	0															0	8	8	8	8	8	8	8	
NORTH LEIGH & SPRING CREEK	5																															
CACHE & SWAMPS	6																															
TOTAL IN TETON BASIN	7		0	144	90	77	56	25	19	18	11	14	14	14	14	14	14	14	14	14	14	8	8	8	8	30	30	30	7	7	5	
EQUIVALENT AT ST. ANTHONY GAGE (2)	8			0	88	55	47	44	22	12	11	7	9	9	9	9	9	9	9	9	9	9	5	5	5	5	5	18	18	18	4	4
CANYON CREEK CANAL	9									0	6	6	6	6	5	5	21	21	21	20	20	20	19	19	19	18	18	17	17	16	16	
WILFORD	10																						0	43	53	0	0	0	19	17	15	
SIDDOWAY	11																															
TETON IRRIGATION	12																															
GOOD LUCK	13																						0	1	1	2	2	3	11	9		
PIONEER	14																						0	2	5	4	0	0	6	6		
STEWART	15																						0	3	14	0	0	1	0			
THOMPSON-EAMES	16										0	3	4	4	4	0					0	3	0	0	0	3	0	0	0	0	0	
GARDNER	17																0	9	0													
PINCOCK-BYINGTON	18																						0	2	2	3	3	3	3	3		
PINCOCK-GARNER	19																						0	6	6	5	6	6	5	5		
TETON ISLAND FEEDER	20																															
ROXANA	21																						0	7	1	0	11	11	11	3		
WOODMANSEE-JOHNSON	22									0	39	42	43	16	15	31	30	48	25	14	13	12	12	37	40	34	33	24	19	18		
ISLAND WARD	23																						0	74	73	70	54	55	51	55		
REXBURG IRRIGATION	24																															
MC CORMICK-ROWE	25																															
TOTAL BELOW ST. ANTHONY GAGE	26									0	39	45	47	20	19	31	30	57	25	14	16	12	12	172	167	132	149	133	155	129		
TOTAL TETON RIVER	27		0	0	88	55	47	44	22	12	56	58	62	35	33	45	60	87	55	43	45	41	36	196	211	155	185	168	191	149		

RAGE DIVERSIONS FROM TETON RIVER

24 HOUR SECOND-FOOT EXCEPT AS NOTED

1950

AUGUST

SEPTEMBER

SEPTEMBER																															NO.	SE															
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	1	2	3	4	5	6	7	8	NO.	SE				
14	14	14	14	14	14	14	14	14	8	8	8	8	8	14	14	2	2	2	49	49	49	49	44	44	44	41	41	41	41	41	41	34	34	36	33	31	31	31	31	31	31	31	1				
												0	8	8	8	5	5	3	3	9	9	9	0																						2		
																			0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3			
																																												4			
																																												5			
14	14	14	14	14	14	14	14	14	8	8	8	8	30	30	30	7	7	5	52	60	60	60	46	46	46	43	43	43	43	43	43	36	36	38	35	33	33	33	33	33	33	33	33	33	6		
9	9	9	9	9	9	9	9	9	9	5	5	5	5	18	18	19	4	4	3	32	37	37	37	28	28	28	27	26	27	26	26	22	22	23	22	20	20	20	20	20	20	20	20	20	7		
6	6	5	5	21	21	21	20	20	20	19	19	19	18	18	17	17	16	16	16	16	15	15	15	14	13	13	13	13	13	13	12	12	12	12	12	12	12	12	11	11	10	10	10	10	8		
										0	43	53	0	0	0	19	17	15	2	2	0	2	0	0	0	0	0	3	0																9		
																																													10		
																																													11		
																																													12		
																																													13		
																																													14		
																																													15		
4	4	4	0				0	3	0	0	0	3	0	0	0	0	2	0				0	1	1	1	0																		16			
				0	9	0																																							17		
																																														18	
																																														19	
																																														20	
																																														21	
																																														22	
3	16	15	31	30	48	25	14	13	12	12	37	40	34	33	24	18	18	17	17	35	45	27	25	25	25	25	24	39	33	27	25	26	26	34	35	35	35	36	39	40	40	23					
																																														24	
																																														25	
7	20	19	31	30	57	25	14	16	12	12	172	187	132	149	133	155	129	71	55	84	101	81	92	63	61	56	64	71	59	58	53	56	51	58	58	57	58	63	64	59	52	26					
2	35	33	45	60	87	55	43	45	41	36	196	211	155	185	168	191	149	91	74	132	153	133	144	105	102	97	104	110	99	96	91	90	85	93	92	89	89	94	94	89	82	27					

- ① RENTED FROM F.M. DISTRICT
 ② LISTED HERE ONE DAY LATER T

FROM TETON RIVER

1950

PLATE NO. 25

EXCEPT AS NOTED

AUGUST

SEPTEMBER

AUGUST										SEPTEMBER										TOTAL		RESERVOIR RIGHTS IN MORE-FEET		RESERVOIR RIGHTS IN MORE-FEET								
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	NO.	555-NO- FEET	555- FEET	555-NO- FEET	555- FEET	555-NO- FEET	555- FEET	
2	2	49	49	49	49	46	44	44	41	41	41	41	41	34	34	30	35	31	31	31	31	31	31	31	1	981	1,866	1,240	3,124		3,124	
																									2	339	872	424	1,319		1,319	
5	5	5	5	5	5	6																			3	241	478	361	889		889	
		6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	67	155	84	861	(5)	927	
																									5	44	67	56	372		372	
																									6	0	0	0	145		145	
7	9	52	60	60	60	46	46	46	43	43	43	43	43	34	34	30	30	33	33	33	33	33	33	33	7	1,892	2,936	2,104	6,891		6,891	
4	4	3	32	31	31	31	28	28	28	27	26	27	26	26	22	22	23	22	23	23	23	23	23	23	8	1,530	2,843	2,092	6,891		6,891	
16	16	16	16	16	16	15	14	13	13	13	13	13	12	12	12	12	12	12	12	11	11	10	10	10	9	808	1,056	1,096		(5) 1,200	(5) 651	1,857
17	16	2	2	0	2	0	0	0	0	0	0														10	156	359	347	1,848	(5) 142	2,110	
																									11	0	0	0	400		400	
																									12	0	0	0	1,800		1,800	
9	0	0	5	5	5	6	6	7	6	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	13	168	214	226	331		331	
6	0				0	5	2	2	1	3	0						0	2	2	3	1	0			14	44	87	89	161		161	
6	0	0	2	6	7	13	3	2	1	2	1	0	0	0	0	0	0	0	0						15	75	145	149	412		412	
2	0				0	1	1	1	0				0	1	1	1	0						0	2	16	91	61	62	126		126	
9	7	5	0									0	4	5	0				0	7	4	0			17	41	81	89	152		152	
8	2	5	2	2	0	2	1	1	1	1	1	0													18	37	73	75	275		275	
0	0	0	0	2	3	3	2	2	5	5	4	4	3	3	2	2	1	1	2	2	1	2	2	2	19	163	254	269	432		432	
																									20	0	0	0	9,124		9,124	
																									21	0	0	0	699		699	
0	0	2	0																						22	51	191	164	1,345		1,345	
17	17	35	45	27	25	25	25	25	24	30	35	35	27	25	24	26	34	35	35	35	34	39	40	40	23	1,279	2,534	2,801	9,899		9,899	
24	18	36	39	35	35	21	21	15	20	20	22	24	19	16	18	20	19	18	18	19	14	12	8	24	1,046	2,674	2,127	2,806		2,806		
																									25	0	0	0	109		109	
41	55	84	101	81	92	89	61	56	64	71	59	58	55	56	51	54	58	57	58	59	64	59	52	26	2,869	5,825	6,356	29,391		29,391		
61	74	122	155	139	144	155	152	97	104	110	99	95	91	90	85	90	92	89	89	94	94	89	82	27	4,807	9,134	9,124	30,008	1,259	31,277		

① RENTED FROM F.M. DISTRICT

② LISTED HERE ONE DAY LATER THAN ACTUAL INVERSION

③ RENTED FROM U.S.

④ FROM FARMERS FRIENDS

MISCELLANEOUS

STREAM	MAY											JUNE																												
	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
UPPER TETON RIVER																																								
TRAIL CREEK ABOVE STRING CANAL													225					500				280	290					400												
GAME CREEK AT MOUTH													114					156				78	290					160												
STRING CANAL													54					56				66			104			114												
KIMBALL													27															60												
RICKS-KIRSLEY																																								
TOWN																																								
SPENCER																																								
HUMBLE																																								
TONKS																																								
PORTER (FROM TONKS)													8								5																			
FOX CREEK ABOVE DIVERSIONS													34								42																			
NORTH CANAL																					15																			
MIDDLE (VAIL) CANAL													35																											
SOUTH CANAL													5																											
DARBY CREEK ABOVE DIVERSIONS																																								
HILL CANAL													52																											
TODD													10																											
CANNON													12																											
CHERRY GROVE													10																											
TETON CREEK ABOVE DIVERSIONS																																								
NORTH CANAL	122	104	220	382	430	520	334	414	473	355	311	356	389	379	308	367	539	706	713	532	404	300	283	376	423	490	555	728	725	625	425	662	680	740	650	596	532	460		
SOUTH																																								
CENTRAL																																								
WADDELL																																								
TOTAL WYOMING DIVERSIONS																																								
GRAND TETON CANAL	77	72	77	88	91	80	98	120	171	153	136	146	178	178	199	240	298	234	286	262	246	178	167	216	231	296	355	395	360	328	346	346	355	330	346	296	289	2		
TETON CREEK BELOW GRAND TETON CANAL	143	121	200	300	300	300	280	351	394	326	247	283	347	254	194	175	287	360	493	322	272	206	138	215	250	254	287	372	550	339	326	322	377	360	351	247	240	2		
PRICE-FAIRBANKS CANAL																																								
CENTRAL (IDAHO)																																								
CHRISTENSEN-CORDON																																								
TETON CREEK AT HIGHWAY																																								
SOUTH LEIGH CREEK AT STATE LINE																																								
LEIGH CREEK CANAL HALF MILE EAST OF STATE LINE																																								
BIG HOG																																								
LITTLE HOG																																								
LON FULLMER																																								
KILPACK																																								
DESERT																																								
NORTH LEIGH CREEK AT FOREST BOUNDARY																																								
SPRING CREEK AT HIGHWAY																																								
TETONIA CANAL																																								
BADGER CREEK 2 MILES EAST OF HONEYDALE SCHOOL																																								
CANYON CREEK CANAL																																								
SWAN VALLEY																																								
NORTH FORK OF INDIAN CREEK																																								
SOUTH FORK OF INDIAN CREEK																																								
PALISADE CANAL																																								
PALISADE CREEK BELOW CANAL																																								
RAINEY CREEK ABOVE DIVERSIONS																																								
UPPER FALL RIVER																																								
BOOM CREEK CANAL																																								
SQUIRREL CREEK CANAL																																								
CONANT CREEK CANAL																																								
UPPER HENRYS FORK																																								
SHERIDAN CREEK ABOVE DIVERSIONS																																								
MORAIN CREEK																																								
SHERID																																								

① INCLUDES DIVERSION FROM WARM CREEK

DS 1950

PLATE NO. 24

AUGUST

SEPTEMBER

[illegible]

Year	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	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Trade Discharge, in accordance, of

SHANE RIVER NEAR HILLS, IOWA

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4120	3170	3100	2400	2050	2520	3230	7430	22700	27400	11700	8050
2	3680	3140	2900	2350	1910	2110	4030	7160	21600	28300	11900	8240
3	3400	3100	3080	2310	1850	2520	3710	7020	19000	26900	12300	8240
4	3300	3080	2780	1980	2210	2610	3540	6890	19000	25500	12000	8300
5	3300	3050	2660	2000	2640	2830	3640	6760	21400	24700	11700	8580
6	3400	3010	2640	2100	2740	2690	4030	6680	25100	24100	11100	8700
7	3360	2970	2640	2200	2580	2550	4660	6940	26300	24200	10500	8960
8	3340	3030	2640	2250	2460	2550	5110	6910	23100	23800	10200	9490
9	3300	3150	2710	2250	2360	2530	5020	6890	19200	22700	10700	8800
10	3320	3270	2760	2250	2360	2500	4820	6990	17500	22600	10900	6940
11	3340	3340	2760	2250	2110	2110	5110	7960	17900	21700	11200	5810
12	3300	3210	2600	2250	2280	2140	5780	9970	19600	20000	10700	5510
13	3340	3100	2580	2150	2340	2110	6810	13700	20400	17500	10300	5380
14	3280	3030	2560	2080	2400	2140	7050	16100	20700	15800	9860	5240
15	3230	2990	2520	2150	2380	2120	7840	19400	22400	15000	9520	5260
16	3210	2960	2500	2150	2170	2550	8920	20700	25000	14500	9620	4920
17	3230	2920	2550	2220	2460	2760	9940	21600	26100	13800	9620	4680
18	3790	2880	2500	2400	2400	2870	9590	21000	24900	13400	9660	4560
19	4120	2830	2400	2580	2110	2810	9420	17500	24200	12500	9520	4520
20	3970	2210	2300	2580	2710	2680	10300	14100	23900	11600	9420	4410
21	3770	2780	2350	2710	2360	2640	12300	16700	24300	12600	9120	4340
22	3580	2730	2370	2900	2640	2640	12000	21100	25400	12500	8830	4320
23	3480	2740	2390	2870	2380	2600	10900	25600	26700	12400	8540	4320
24	3440	2970	2380	2410	2740	2640	9550	23700	26700	12600	8270	4270
25	3360	3190	2350	2180	2740	2740	8860	20200	23500	12500	8270	4230
26	3340	3170	2400	2180	2680	2970	8920	19800	22700	12800	8330	4160
27	3280	3080	2530	2290	3050	3050	8960	21600	22700	13200	8360	4190
28	3270	3170	2440	2270	2580	2990	8450	22500	23400	13200	8170	4190
29	3320	3540	2410	2270	2270	2990	7780	21100	22900	12900	8170	4730
30	3380	3280	2420	2160	2160	2960	2960	21100	21100	12300	8080	
31	3270							22500				

Year	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	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Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3290	4170	3800	3000	2450	4900	4000	9010	20600	21900	5440	3460
2	3620	4100	3620	2900	2350	4750	4520	8660	21000	23300	4550	3400
3	3570	4070	3480	2500	2250	4020	6180	8350	21500	24300	4270	3310
4	3310	4000	3420	2200	2150	3830	6050	7330	18200	23700	5730	3310
5	3070	3950	3270	2100	2300	4170	5410	6930	17100	22200	6270	3310
6	3210	3920	3150	2000	2700	4520	5440	6700	19200	22100	6020	3620
7	3330	3950	3640	1900	2700	4250	6310	6400	24000	22100	5190	3970
8	3460	3920	3290	2100	3350	3830	7060	6050	27300	22500	4490	5000
9	3480	4000	3480	2200	3250	3730	7630	5790	27100	22100	4200	7260
10	3570	4300	3480	2300	3100	3750	5510	5000	23900	21100	4270	7390
11	3710	4440	2940	2300	3100	3620	6800	5000	20900	20700	4720	6440
12	3970	4610	2700	2400	2950	3460	7000	5830	20200	19300	5150	5630
13	4020	4300	2900	2150	2950	3420	7800	8010	20200	16800	5150	5470
14	4020	4140	3150	1800	2900	3420	9010	11400	20100	13100	4810	5510
15	3950	4070	3100	1900	2900	3350	9040	14400	19400	10700	4360	5310
16	3870	3950	2810	1750	3000	3310	10000	17200	20200	9150	3970	5250
17	3850	3780	2900	1800	3050	3400	11300	18900	21800	7800	3920	4840
18	3900	3420	3100	1950	3100	4250	12300	20200	23000	6540	3900	4440
19	4460	3290	3200	2200	3150	4200	11700	19800	21800	5950	4270	4170
20	4940	3270	3150	2700	3100	4100	11700	15400	20800	4870	4640	3950
21	4840	3190	2900	2700	3100	3950	12500	11900	20300	4270	4380	3800
22	4660	3110	2700	3500	3050	3800	14300	14400	21000	5000	4360	3870
23	4520	3130	2700	3550	3050	3650	14300	19100	22900	5060	4200	3900
24	4520	3090	2750	3400	3100	3590	14300	22600	25400	4840	3950	3970
25	4440	3330	3100	3200	3250	3620	11700	22400	27000	4840	3660	3870
26	4360	3500	2900	2950	3600	3750	10700	19100	26500	4780	3780	3850
27	4300	3520	2700	2600	4200	4000	10800	18000	24000	4900	3780	3850
28	4200	3520	2900	2400	4200	4070	10700	19400	21700	5440	3680	3900
29	4170	3640	3000	2450	4070	4020	10700	19400	21700	6240	3680	4040
30	4140	3970	3000	2550	3950	9860	20900	20200	20800	6150	3550	
31	4220											

Mean	Acres	Feet
4.450	264,800	4.493
12,980	21,960	13,430
9,037	537,700	825,600
3,888	239,100	276,300
3,007	167,000	264,800
2,427	149,300	264,800
3,007	167,000	264,800
3,888	239,100	264,800
9,037	537,700	264,800
12,980	798,300	264,800
21,960	1,307,000	264,800
13,430	825,600	264,800
4.493	276,300	264,800
4.450	264,800	264,800

MEAN YEAR
ACRE-Feet 5,225,100
7,217

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	66	150	336	105	80	200	160	582	574	100	160	76
2	66	150	330	100	80	184	197	566	532	104	76	66
3	71	150	314	95	82	161	382	576	560	103	59	54
4	80	150	278	90	85	179	449	582	590	108	93	60
5	86	150	220	85	90	210	307	584	609	97	152	51
6	95	150	224	80	94	239	207	585	597	127	180	44
7	100	150	227	80	110	225	197	579	590	118	174	64
8	110	150	250	80	105	227	250	566	607	107	152	62
9	150	170	230	80	105	210	332	560	640	93	109	116
10	200	200	200	80	100	194	364	576	670	95	84	213
11	235	230	170	70	100	183	400	574	683	93	92	301
12	269	260	156	70	100	152	410	568	695	107	130	462
13	242	300	134	70	100	136	433	525	678	112	183	476
14	229	290	140	70	100	150	452	525	560	96	183	477
15	236	280	140	70	100	156	496	548	313	88	180	456
16	225	274	135	80	100	167	545	553	456	108	153	381
17	193	270	135	80	105	176	568	579	161	102	116	280
18	183	263	135	80	105	218	576	579	72	64	106	257
19	178	260	130	80	115	246	585	588	124	34	100	257
20	174	240	130	80	150	292	592	598	215	37	106	238
21	170	220	130	100	200	286	593	597	172	26	113	224
22	170	231	140	100	250	249	600	592	188	22	81	222
23	170	238	145	100	315	227	604	582	243	27	69	231
24	160	242	140	100	288	208	612	588	249	39	82	273
25	150	242	120	100	144	194	602	593	314	34	61	280
26	143	248	110	90	157	190	570	597	401	29	49	280
27	139	256	105	90	190	180	566	612	290	31	44	290
28	149	283	104	90	203	180	577	612	174	38	55	302
29	149	320	102	90	---	173	580	584	127	51	68	332
30	150	344	100	90	---	167	582	588	107	104	66	314
31	150	---	102	90	---	165	---	597	---	101	69	---

MEAN	9,700	13,610	10,540	5,290	7,470	12,150	27,350	35,550	24,180	4,750	6,630	14,160
MEAN	158	229	171	86.0	134	198	460	578	406	77.3	108	238

YEAR 1937
MEAN 237
ACRE-FEET 171,350

3,567	3,887	3,031	2,265	2,997	3,878	8,730	10,740	19,260	10,170	1,751	2,947
219,400	231,300	186,300	139,300	166,400	238,500	519,500	660,500	1,146,000	625,100	107,600	175,400
6,099											
4,415,300											

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug
1	1740	4150	3990	3010	2350	4940	3790	8960	17800	18000	2570
2	2200	4100	3830	2870	2300	4630	3990	8260	18200	19500	1660
3	2690	4060	3670	1870	2050	4060	5010	6270	19400	21300	1240
4	2670	4030	3540	1900	2030	4230	5990	6500	17300	20800	2120
5	2390	4100	3460	2170	2170	4230	5330	6050	14800	19100	3000
6	2370	4100	3240	1490	2600	4350	5070	5710	15400	18600	3370
7	2140	4100	3220	1460	2600	4350	5070	5310	15400	18500	2520
8	2570	4080	3240	1470	3140	4410	5550	5740	18500	18500	1820
9	2880	4120	3650	1870	3420	3960	6290	4740	21100	18500	1240
10	3080	4120	3490	2000	3290	3780	7070	4480	26100	18900	1240
11	3080	4600	2870	2210	3170	3720	7250	4100	24000	18000	1100
12	3110	4690	2570	2280	2960	3630	6790	3300	20200	17500	1480
13	3400	4500	2820	2370	2880	3460	6760	3040	18300	16400	2380
14	3700	4280	2950	2130	2920	3370	7350	4300	17700	14200	2800
15	3750	4150	3160	1750	2860	3390	8440	6990	17200	11000	2450
16	3750	4080	3040	1560	2860	3410	8960	9920	16500	8580	2070
17	3790	3990	2690	1760	3010	3390	9410	12900	17400	5010	1260
18	3780	3740	2820	1490	3080	3460	10600	14800	19200	3690	1230
19	4150	3480	3110	1640	3120	3940	11700	16400	17400	2580	1450
20	4740	3400	3090	2030	3200	4330	11800	17400	18700	2580	1450
21	4840	3350	3040	2410	3140	4150	12400	14500	17500	2030	1960
22	4740	3220	2750	2980	3090	3920	12000	10500	16700	1060	1910
23	4590	3200	2540	3480	3110	3700	13300	10700	17400	896	1700
24	4480	3190	2600	3420	3160	3610	14100	13900	19000	1900	1630
25	4710	3250	2600	3320	3290	3540	13600	18000	21800	1800	1540
26	4230	3460	2870	3040	3700	3490	12100	20200	23900	1050	1210
27	4260	3610	2520	2740	4300	3580	10900	18600	24500	1090	1100
28	4190	3580	2420	2480	4480	3780	10500	16100	22800	1050	1280
29	4170	3580	2510	2040	--	3900	10600	16400	19700	1550	1250
30	4150	3940	2810	2350	3870	9980	18100	18000	17700	2270	1100

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	95180	90060	58480	68090	68750	67760	85870	89130	95070	95550	97110	94490
2	95070	86800	58810	65670	69190	67650	85400	89360	95180	95310	97350	93900
3	87500	86100	58910	66990	69520	67870	86100	87850	94020	95180	97110	94020
4	88660	84940	58910	67650	69850	68530	86800	88900	93670	95430	96390	94490
5	88900	84590	54400	67650	69850	68530	86800	88900	93670	95430	96390	94490
6	90530	83660	55040	67870	68750	65010	87270	89600	93900	95180	97110	95180
7	90880	79260	55470	68090	69740	68090	89010	88900	93900	95180	97110	95180
8	93320	78240	55900	68090	69850	69850	88550	87850	96870	95790	96630	95310
9	92620	78350	56010	66770	69740	69630	88660	86570	97470	95670	96630	96630
10	86100	78580	55900	67430	69740	69630	88660	86570	97470	95670	96630	96630
11	89480	77680	55690	67650	69190	69850	88900	85290	97230	94250	96990	96630
12	91230	77230	52250	68090	68750	69190	88660	86450	97720	95310	96630	95910
13	93900	75980	52780	68090	68970	69850	88430	86100	95790	94020	97350	95670
14	96150	71830	53540	68420	68970	69850	88430	86100	95790	94020	97350	95670
15	98320	71170	55040	68090	68970	69630	88660	85640	95910	94370	96150	94840
16	97840	70950	53750	68310	68970	69850	87270	89130	94600	92390	94490	93200
17	94490	70400	55790	69190	68970	73730	89600	89360	95310	93090	94490	92860
18	95670	69850	52030	68970	72160	74180	89360	93200	95790	92390	94490	92390
19	96390	69190	53640	68750	74970	74970	89600	95670	96150	94250	94950	93320
20	98680	64470	55260	68750	74970	74970	89360	95910	96510	95430	94600	95430
21	99280	63920	56660	68750	74290	74290	90990	95180	95430	95910	93440	96870
22	99280	63920	56660	68750	74290	74290	90990	95180	95430	95910	93440	96870
23	98320	63480	58050	67430	73840	73840	88660	94490	95070	95670	93550	96990
24	94140	61720	59130	67870	77000	77000	89830	94720	96750	95670	93090	96870
25	94950	62710	61280	68310	79260	79260	90290	94950	96750	95790	93790	96390
26	95910	62160	60960	68310	79260	79260	90290	94950	96750	95790	93790	96390
27	96150	60420	65010	68530	80160	80160	90180	94250	96870	94950	95180	95180
28	96510	56660	66770	68530	82110	82110	90410	94250	96870	94950	95180	95180
29	96990	57110	66770	68530	82110	82110	90410	94250	96870	94950	95180	95180
30	97230	56980	67540	68200	82200	82200	90410	94250	96870	94950	95180	95180

Year	Mean	Acute-Test
1980	10.0	10.0
1981	10.0	10.0
1982	10.0	10.0
1983	10.0	10.0
1984	10.0	10.0
1985	10.0	10.0
1986	10.0	10.0
1987	10.0	10.0
1988	10.0	10.0
1989	10.0	10.0
1990	10.0	10.0
1991	10.0	10.0
1992	10.0	10.0
1993	10.0	10.0
1994	10.0	10.0
1995	10.0	10.0
1996	10.0	10.0
1997	10.0	10.0
1998	10.0	10.0
1999	10.0	10.0
2000	10.0	10.0
2001	10.0	10.0
2002	10.0	10.0
2003	10.0	10.0
2004	10.0	10.0
2005	10.0	10.0
2006	10.0	10.0
2007	10.0	10.0
2008	10.0	10.0
2009	10.0	10.0
2010	10.0	10.0
2011	10.0	10.0
2012	10.0	10.0
2013	10.0	10.0
2014	10.0	10.0
2015	10.0	10.0
2016	10.0	10.0
2017	10.0	10.0
2018	10.0	10.0
2019	10.0	10.0
2020	10.0	10.0

1907	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	692	670	652	656	656	622	570	466	430	374	306	284
2	670	652	656	656	622	570	466	430	374	306	284	288
3	652	656	656	622	570	466	430	374	306	284	288	290
4	656	656	622	570	466	430	374	306	284	288	290	297
5	656	622	570	466	430	374	306	284	288	290	297	292
6	622	570	466	430	374	306	284	288	290	297	292	288
7	570	466	430	374	306	284	288	290	297	292	288	255
8	466	430	374	306	284	288	290	297	292	288	255	222
9	430	374	306	284	288	290	297	292	288	255	222	93
10	374	306	284	288	290	297	292	288	255	222	93	0
11	306	284	288	290	297	292	288	255	222	93	0	0
12	284	288	290	297	292	288	255	222	93	0	0	0
13	288	290	297	292	288	255	222	93	0	0	0	0
14	290	297	292	288	255	222	93	0	0	0	0	0
15	297	292	288	255	222	93	0	0	0	0	0	0
16	292	288	255	222	93	0	0	0	0	0	0	0
17	288	255	222	93	0	0	0	0	0	0	0	0
18	255	222	93	0	0	0	0	0	0	0	0	0
19	222	93	0	0	0	0	0	0	0	0	0	0
20	93	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0

16,660	271	0	0	0	0	0	0	0	0	0	0	0
16,660	271	0	0	0	0	0	0	0	0	0	0	0
1,666	1,401	877	52,170	86,140	102,500	1,204	1,352	266	15,840	83,100	71,620	102,500

Year
Mean
Acres-Feet
591
428,030

Each day's discharge in second feet, of

SOUTH SIDE KENDOKA CANAL NEAR KITHLEA, IOWA

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	491						0	777	1300	1340	1340	1260
2	482						0	777	1250	1370	1320	1250
3	475						0	777	1120	1380	1310	1210
4	484						0	777	963	1340	1310	1240
5	487						0	765	939	1320	1300	1260
6	487						0	765	970	1320	1210	1230
7	452						0	765	892	1310	1120	1230
8	288						0	632	847	1310	1100	1020
9	275						0	554	841	1310	1090	871
10	273						62	656	865	1310	1110	803
11	281						175	832	1050	1300	1130	718
12	293						304	1000	1200	1280	1100	679
13	293						399	1140	1230	1280	1060	656
14	288						422	1240	1250	1270	1050	646
15	279						430	1310	1250	1260	1070	648
16	279						390	1330	1250	1290	1160	648
17	273						430	1360	1280	1330	1220	597
18	279						430	1370	1310	1330	1250	509
19	279						430	1360	1240	1340	1290	468
20	104						437	1370	1210	1350	1310	444
21	0						437	1360	1170	1340	1310	485
22	0						446	1360	1120	1330	1310	499
23	0						434	1360	1040	1200	1310	418
24	0						504	1350	832	1370	1300	340
25	0						552	1350	735	1350	1280	342
26	0						605	1340	783	1340	1220	362
27	0						726	1360	979	1340	1160	374
28	0						777	1360	1150	1350	1160	413
29	0						777	1360	1260	1340	1190	610
30	0											
31	0											

MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN
221	221	0	0	0	0	0	0	0	0	0	0	0
13,570	13,570	0	0	0	0	0	0	0	0	0	0	0
749	749	1,215	1,324	1,076	1,093	306	18,180	67,220	64,040	81,380	74,680	44,570

MEAN 502
ACRE-Feet 363,640

Meas	3,094	2,945	2,743	3,512	4,454	5,707	11,000	12,450	16,660	13,540	8,810	7,038
Aggr-	190,200	175,200	168,700	215,900	247,400	350,900	654,500	765,600	991,100	832,300	541,500	418,800

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3310	4230	2800	3340	4160	4590	8390	11200	9140	20100	9180	8840
2	3310	2940	2790	2800	4160	4540	8330	11300	18200	9240	8810	8810
3	3330	2900	2760	2800	4160	4520	8540	11100	17400	9140	8870	8870
4	3350	2900	2800	3100	4650	4720	8930	11400	16800	9140	8990	8840
5	3350	2900	2800	3300	4110	4760	9670	11700	16600	9020	9020	8810
6	3330	2880	2870	3400	4590	4320	10200	11500	18300	8900	9020	8870
7	3370	2870	2810	3210	4620	4410	10500	11200	21700	8720	8750	8750
8	3370	2860	2880	3200	4600	4540	10400	10200	20900	8690	8780	8780
9	3370	2880	2780	3270	4590	4520	10500	8810	18700	8630	8790	8790
10	3370	2880	2700	3410	4560	4520	10600	8000	17600	8630	7910	7910
11	3330	2880	2700	3480	4110	4540	10400	8180	21900	8600	7790	7790
12	3370	2860	2790	3400	3870	4230	10300	8660	17000	8570	7560	7560
13	3310	2860	2770	3350	4140	4610	10500	8600	17900	8450	7160	7160
14	3310	2860	2290	3350	4250	4670	10500	8630	17000	8270	6790	6790
15	3310	2860	3770	3350	4170	4670	10600	9110	11400	8480	6760	6760
16	3230	2830	3030	3610	4190	4670	10200	9140	8930	8510	6740	6740
17	2710	2830	2850	3960	4220	6080	11100	9670	8690	8600	6630	6630
18	2750	2840	2960	3770	5580	6930	11000	11900	9300	8750	6310	6310
19	2750	2810	2850	3690	4590	7270	11100	14000	9210	8780	5830	5830
20	2740	2830	2850	3690	4390	7130	11200	17000	9180	8810	5640	5640
21	2770	2830	2850	3720	4850	7730	12300	16800	9080	8810	5490	5490
22	2840	2860	2930	3760	4630	7700	13200	16600	9140	8930	5330	5330
23	2770	2900	2900	3700	4590	6460	14400	16600	9020	8810	5350	5350
24	2740	2840	1170	3400	4650	6310	14100	16200	8990	8840	5350	5350
25	2790	2840	940	3950	4720	7070	14000	16300	9020	8810	5440	5440
26	2840	2890	2500	4100	4670	6540	13900	16500	9020	8930	5520	5520
27	2870	2850	2900	4360	4740	7790	13500	16700	9240	8960	5400	5400
28	2890	2800	3000	4080	7790	7130	11800	16900	9420	8930	5440	5440
29	3000	3050	3160	4080	7130	7500	11300	17100	9390	8840	5520	5520
30	2980	3050	3160	4080	7130	7500	11300	17100	9390	8840	5520	5520
31	3160	2980	3200	4100	7100	7500	13800	17800	9480	8840	5520	5520

MEAN	2.63	61.0	62.0	70.3	70.1	45.4
ACRES						
FEET						

MEAN 26.2
ACRES-FEET 18,927

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	61	61	61	62	62	66	61	73	61
2	48	69	70	62	62	70	70	69	60
3	60	71	70	62	62	70	70	71	59
4	59	71	70	62	62	70	70	71	59
5	59	71	70	62	62	68	68	71	59
6	59	71	70	62	62	68	68	71	59
7	59	71	70	62	62	68	68	71	59
8	59	70	70	62	62	68	68	70	59
9	59	70	70	62	62	68	68	70	59
10	59	70	70	62	62	70	70	70	59
11	59	70	70	62	62	70	70	70	59
12	59	70	70	62	62	70	70	70	58
13	58	69	70	62	62	70	70	69	55
14	55	69	70	62	62	70	70	69	55
15	55	70	70	62	62	70	70	70	55
16	54	70	70	62	62	70	70	70	54
17	54	70	70	62	62	70	70	70	54
18	51	70	70	62	62	70	70	70	51
19	51	70	70	62	62	70	70	70	51
20	45	70	70	62	62	70	70	70	45
21	41	70	70	62	62	70	70	70	41
22	35	70	70	62	62	70	70	70	35
23	35	70	70	62	62	70	70	70	35
24	35	70	70	62	62	70	70	70	35
25	32	70	70	62	62	70	70	70	32
26	0	70	70	62	62	70	70	70	0
27	0	70	70	62	62	70	70	70	0
28	0	70	70	62	62	70	70	70	0
29	0	70	70	62	62	70	70	70	0
30	0	70	70	62	62	70	70	70	0
31	0	70	70	62	62	70	70	70	0

1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							0	107	175	160	199	177
2							0	132	175	160	199	176
3							0	132	175	160	199	176
4							0	132	175	160	186	176
5							0	132	175	160	199	175
6							0	132	175	169	193	175
7							0	132	175	177	191	175
8							0	154	175	177	191	174
9							0	154	175	177	191	174
10							0	154	175	177	191	174
11							0	154	175	192	191	174
12							0	170	175	198	191	174
13							0	178	175	198	191	174
14							0	178	175	198	178	174
15							0	178	175	198	178	169
16							0	178	175	198	178	169
17							0	178	174	200	178	158
18							0	178	172	200	178	146
19							0	178	171	200	178	138
20							0	178	171	200	178	138
21							0	178	171	200	178	138
22							0	178	171	200	178	125
23							0	178	171	200	178	125
24							30	178	171	200	178	125
25							52	178	171	199	178	125
26							52	175	166	199	177	125
27							66	175	160	199	177	125
28							80	175	160	199	177	100
29							80	175	160	199	177	100
30							80	175	160	199	177	100
31							80	175	160	199	177	100

MEAN				14.7	161	172	187	165	153
STDEV				873	9,870	10,220	11,530	11,370	9,110

Year	Mean	Agrib-Elect
1973.2	52,973	

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							0	1080	1600	1530	1570	1390
2							0	1090	1600	1540	1570	1380
3							0	1110	1600	1540	1570	1380
4							0	1120	1600	1540	1560	1380
5							0	1120	1620	1550	1550	1380
6							0	1150	1630	1550	1550	1380
7							0	1280	1660	1550	1540	1380
8							0	1280	1660	1550	1510	1380
9							0	1270	1660	1560	1510	1370
10							0	1270	1490	1550	1500	1370
11							0	1280	1530	1540	1500	1360
12							0	1280	1550	1530	1500	1320
13							0	1280	1540	1530	1450	1290
14							0	1280	1540	1540	1420	1290
15							0	1290	1530	1540	1420	1290
16							500	1270	1550	1540	1420	1290
17							500	1290	1550	1530	1420	1250
18							580	1300	1540	1580	1420	1200
19							620	1300	1550	1590	1420	1180
20							740	1370	1550	1590	1430	1180
21							770	1400	1550	1590	1420	1140
22							790	1420	1550	1590	1420	1090
23							850	1400	1550	1590	1420	1080
24							950	1410	1550	1590	1420	1090
25							960	1410	1550	1580	1410	1100
26							1070	1390	1540	1560	1410	920
27							1100	1400	1540	1580	1400	0
28							1090	1400	1530	1580	1390	
29								1400	1530	1580		
30								1410	1530	1580		
31								1410	1530	1580		

[illegible]

0037—9

1158X

АВТОРИ

1.67.970

619

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							0	1062	1380	1510	1550	1370
2							0	1071	1390	1530	1550	1370
3							0	1088	1380	1520	1550	1360
4							0	1096	1380	1520	1550	1360
5							0	1102	1400	1530	1540	1360
6							0	1130	1410	1530	1530	1360
7							0	1265	1440	1530	1520	1360
8							0	1259	1440	1530	1490	1360
9							0	1250	1440	1540	1490	1350
10							0	1246	1470	1530	1480	1350
11							0	1248	1510	1520	1480	1360
12							0	1261	1530	1510	1480	1340
13							0	1257	1520	1510	1430	1300
14							0	1263	1520	1520	1410	1270
15							0	1268	1520	1520	1400	1270
16							0	1268	1510	1520	1400	1270
17							4.80	1252	1530	1520	1400	1270
18							4.73	1272	1530	1510	1400	1230
19							5.56	1276	1520	1560	1400	1180
20							5.92	1281	1530	1570	1400	1160
21							7.12	134.9	1530	1570	1410	1160
22							7.38	1375	1530	1570	1400	1120
23							7.64	1398	1530	1570	1400	1070
24							8.25	1378	1530	1570	1400	1070
25							9.28	1389	1530	1570	1400	1060
26							94.3	1387	1530	1560	1390	1070
27							1052	1373	1520	1560	1390	1080
28							1075	1380	1520	1540	1390	900
29							1069	1378	1510	1560	1380	0
31								1394				

1,205	1,449	1,538	1,482	1,261	340	0	0	0	0	0	0	0
71,680	89,080	94,570	88,180	77,520	20,250	0	0	0	0	0	0	0

MEAN
610
ACRE-FOOT
441,280

Partial discharges in record-fee of NORTH SIDE CANAL PROJECT IN GOODING CANAL BASIN, WISCONSIN

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	4.80	900	920	1000	1030
2	0	0	0	0	0	0	0	540	910	930	1040	1040
3	0	0	0	0	0	0	0	590	900	920	1030	1030
4	0	0	0	0	0	0	0	610	880	960	1040	1030
5	0	0	0	0	0	0	0	630	880	990	1030	1030
6	0	0	0	0	0	0	0	650	870	990	1040	1040
7	0	0	0	0	0	0	0	660	880	980	1050	1020
8	0	0	0	0	0	0	0	690	900	990	1030	1020
9	0	0	0	0	0	0	0	670	920	1010	1020	1030
10	0	0	0	0	0	0	0	660	930	1010	1040	1020
11	0	0	0	0	0	0	0	800	920	1010	1040	1030
12	0	0	0	0	0	0	0	880	920	1040	1040	1020
13	310	280	0	0	0	0	0	890	910	1020	1030	990
14	100	100	0	0	0	0	0	990	920	1030	1020	990
15	100	100	0	0	0	0	0	1060	910	1020	1010	1000
16	100	100	0	0	0	0	0	1080	920	1010	1000	1010
17	100	100	0	0	0	0	0	1040	920	1010	990	1030
18	100	100	0	0	0	0	0	1080	940	1000	980	1000
19	100	100	0	0	0	0	0	1100	940	1020	980	970
20	100	100	0	0	0	0	0	1100	940	1030	990	950
21	100	50	0	0	0	0	0	1110	940	1030	1000	940
22	0	0	0	0	0	0	0	1110	930	1030	990	940
23	0	0	0	0	0	0	0	1090	930	1030	990	960
24	0	0	0	0	0	0	0	1110	940	950	1000	970
25	0	0	0	0	0	0	0	1110	940	950	1010	970
26	0	0	0	0	0	0	0	1090	930	950	1010	990
27	0	0	0	0	0	0	0	970	930	940	1020	980
28	0	0	0	0	0	0	0	880	920	940	1030	800
29	0	0	0	0	0	0	0	890	930	950	1030	0
30	0	0	0	0	0	0	0	890	930	950	1030	0
31	0	0	0	0	0	0	0	900	900	920	1040	0

MEAN	43.2	0	0	0	0	0	0	77.0	875	918	986	1,018	961
AGRE-	2,660	0	0	0	0	0	0	4,580	53,810	54,600	60,650	62,600	57,200
FEET													

YEAR 1909
AGRE- FEET 296,100

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1380	765	555	501	387	413	323	1830	2460	2530	2780	2560
2	1270	784	552	455	387	413	428	1830	2490	2560	2780	2560
3	1100	674	555	430	387	422	434	2020	2450	2580	2720	2570
4	1020	657	555	430	387	428	431	2180	2500	2620	2680	2580
5	1060	654	548	430	360	404	498	2260	2450	2620	2680	2600
6	1130	654	548	430	339	449	542	2210	2470	2660	2670	2600
7	1140	654	555	430	334	440	622	2220	2540	2720	2580	2590
8	1260	646	548	430	336	434	800	2210	2520	2720	2520	2450
9	1230	602	548	430	334	434	911	2210	2540	2730	2550	2330
10	1040	598	539	430	334	437	927	2210	2530	2740	2540	2260
11	1040	608	542	410	328	437	919	2210	2530	2760	2480	2200
12	992	615	530	390	325	434	900	2270	2530	2760	2450	2090
13	451	612	490	390	307	428	930	2240	2510	2740	2450	1980
14	0	615	460	390	310	428	969	2230	2500	2770	2430	1780
15	0	615	460	390	312	428	1090	2250	2490	2780	2430	1690
16	0	615	458	390	312	428	1270	2240	2470	2760	2430	1700
17	0	562	467	390	390	431	1350	2170	2520	2770	2460	1690
18	0	536	470	390	392	434	1380	2260	2510	2760	2480	1680
19	0	555	476	385	407	413	1380	2290	2500	2850	2520	1670
20	0	555	434	385	407	425	1470	2300	2510	2820	2540	1480
21	0	555	390	381	410	416	1560	2260	2500	2790	2580	1390
22	311	552	404	381	413	416	1720	2210	2490	2770	2580	1160
23	545	549	410	378	404	428	1920	2300	2480	2760	2590	1070
24	956	549	410	367	407	419	1910	2290	2490	2760	2580	1080
25	1320	558	398	344	407	387	1770	2320	2470	2760	2550	964
26	1170	558	336	344	407	395	1690	2430	2470	2780	2550	859
27	1020	545	336	347	404	315	1920	2430	2440	2720	2550	1180
28	784	552	443	360	404	110	1910	2450	2430	2720	2540	1740
29	674	565	480	387	387	25	1830	2430	2430	2810	2540	
30	735	555	492	387	387	25		2500	2430	2800		
31	735											

1,866	111,000	1,866	111,000	1,866	111,000	1,866	111,000	1,866	111,000	1,866	111,000	1,866	111,000
2,728	157,800	2,728	157,800	2,728	157,800	2,728	157,800	2,728	157,800	2,728	157,800	2,728	157,800
2,491	148,200	2,491	148,200	2,491	148,200	2,491	148,200	2,491	148,200	2,491	148,200	2,491	148,200
2,232	137,200	2,232	137,200	2,232	137,200	2,232	137,200	2,232	137,200	2,232	137,200	2,232	137,200
1,342	67,940	1,342	67,940	1,342	67,940	1,342	67,940	1,342	67,940	1,342	67,940	1,342	67,940
372	22,850	372	22,850	372	22,850	372	22,850	372	22,850	372	22,850	372	22,850
371	20,620	371	20,620	371	20,620	371	20,620	371	20,620	371	20,620	371	20,620
399	24,540	399	24,540	399	24,540	399	24,540	399	24,540	399	24,540	399	24,540
483	29,690	483	29,690	483	29,690	483	29,690	483	29,690	483	29,690	483	29,690
604	35,930	604	35,930	604	35,930	604	35,930	604	35,930	604	35,930	604	35,930
721	44,360	721	44,360	721	44,360	721	44,360	721	44,360	721	44,360	721	44,360
1,337	967,930	1,337	967,930	1,337	967,930	1,337	967,930	1,337	967,930	1,337	967,930	1,337	967,930



South Side Twin Falls Dam, at Milling, Idaho

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1530	654	587	518	442	394	472	2470	3640	3440	3650	3620
2	1360	570	556	489	449	399	508	2600	3640	3450	3600	3610
3	1240	576	579	534	442	402	486	2660	3440	3500	3580	3650
4	1240	579	534	534	466	405	502	2640	3460	3560	3550	3640
5	1330	582	534	477	473	410	576	2780	3460	3610	3540	3630
6	1290	579	534	479	462	407	607	2810	3480	3610	3520	3630
7	1210	598	582	495	471	399	646	2820	3530	3610	3520	3580
8	1120	618	579	480	468	392	579	2800	3500	3610	3500	3500
9	1060	621	618	478	473	394	590	2960	3470	3610	3480	3470
10	954	626	618	473	466	405	584	3200	3460	3600	3480	3280
11	862	379	536	473	466	405	587	3150	3450	3610	3500	3090
12	821	19	508	495	477	672	587	3090	3420	3610	3520	2980
13	818	19	544	483	449	693	672	3080	3410	3600	3520	2900
14	815	19	551	472	439	693	693	3160	3400	3610	3520	2860
15	835	229	518	474	445	693	693	3240	3400	3610	3530	2710
16	818	582	464	465	445	693	758	3230	3380	3610	3560	2640
17	821	587	524	458	445	733	866	3200	3370	3650	3570	2510
18	828	526	497	424	446	866	866	3240	3310	3650	3610	2290
19	821	499	497	446	412	1040	1040	3260	3280	3610	3610	2150
20	534	554	482	427	402	1350	1350	3270	3290	3610	3620	2020
21	15	582	484	419	366	1610	1610	3270	3240	3630	3620	2020
22	15	587	522	433	405	1690	1690	3420	3220	3630	3600	2060
23	15	590	541	431	438	1700	1700	3420	3220	3640	3600	2070
24	15	590	533	417	410	1700	1700	3540	3190	3650	3580	2050
25	316	598	498	388	402	2010	2010	3580	3170	3650	3560	1980
26	818	590	463	413	394	2480	2480	3610	3170	3710	3570	1940
27	933	587	426	495	394	2480	2480	3630	3220	3720	3580	1890
28	711	590	455	488	394	2370	2370	3640	3330	3690	3600	1810
29	702	590	502	471	24	2390	2390	3650	3420	3680	3610	1730
30	684	587	499	469	24	2390	2390	3650	3420	3680	3610	1730
31	687	587	489	435	---	273	273	3650	3420	3670	3610	1730

MEAN	813	510	511	457	311	1,140	3,163	3,381	3,609	3,565	2,764	
AGRE-	50,020	30,360	31,410	28,110	24,240	19,110	67,860	194,500	201,200	221,900	219,200	164,500
YEAR	1,730											



Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Oct.	942	2170	2260	2240	2150	2370	1960	1750	1750	1860	2010	2320	2550	3230	3320	3160	2540	2020	2240	3020	3700	3070	2720	1920	913	1060	1260	1810	1890	1910	1950
Nov.	2120	3300	2490	1950	1970	1960	1950	1910	1930	1950	2130	2540	2470	2470	2270	1940	1890	1920	1970	1950	1960	1950	1910	1830	1820	1910	1870	1880	1910	1880	1910
Dec.	1900	1890	1940	1970	1930	1950	2090	2010	1940	1760	1690	1690	2610	2610	2070	2020	2090	2230	2170	2090	2090	2090	2250	2260	2140	1310	519	894	2070	2260	2520
Jan.	2680	2630	2020	1980	2310	2630	2740	2610	2540	2650	2610	2640	2610	2590	2610	2690	2680	2740	3080	3400	3470	3680	3660	3290	2720	2850	3350	3680	3640	3400	2980
Feb.	3080	3280	3360	3460	3880	4040	3990	4040	4200	3920	4110	4080	3990	3920	3630	3600	3590	3730	3970	3930	3930	4040	4010	3920	3940	3950	3830	3960	--	--	7200
Mar.	4060	3990	3960	4040	3980	3550	3920	3860	3880	3920	3920	3910	3920	3840	3850	3960	4060	5770	6340	6740	6570	7100	7370	5960	5960	6220	6720	7740	7760	7200	
Apr.	6680	7080	7170	7560	8120	8240	8650	8900	8680	8650	9040	9040	8850	8730	8830	8910	8120	7810	7780	7530	7560	7940	9250	9680	8760	8420	8420	7030	7220	5870	5870
May	5690	4970	4530	4530	4960	4930	4660	3880	2220	538	9040	9040	8850	8730	8830	8910	8120	7810	7780	7530	7560	7940	9250	9680	8760	8420	8420	7030	7220	5870	5870
June	796	960	1360	277	195	163	364	1850	5700	9770	13000	16400	10800	8820	8420	8240	8690	10300	12500	12800	9160	8640	9330	12100	13300	17800	18400	17000	17200	17200	17200
July	10900	12200	8870	8590	7470	8820	12400	13200	10100	9030	8520	8010	7380	5990	3610	451	26	26	290	431	262	296	293	296	296	291	285	277	307	560	560
Aug.	386	307	523	452	646	572	441	316	319	316	310	425	530	322	293	296	296	299	299	299	305	296	288	296	307	310	512	418	418	339	339
Sept.	313	389	307	376	462	490	572	445	526	526	333	630	497	293	302	305	494	646	508	476	455	386	504	512	441	776	1090	2190	2190	2190	

Year	Mean	Year	Mean
1935,000	2,196	1935,000	2,196
123,100	2,068	123,100	2,068
119,200	1,939	119,200	1,939
176,800	2,876	176,800	2,876
212,900	3,834	212,900	3,834
313,600	5,101	313,600	5,101
484,100	8,136	484,100	8,136
297,100	4,832	297,100	4,832
500,200	8,407	500,200	8,407
297,300	4,835	297,300	4,835
22,680	369	22,680	369
32,120	540	32,120	540

[illegible]

YAM
ON
FRIED
MEAT
PLANT

NEW YORK, N.Y. (AP) —

ACQUA-TECH

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	70	5	5	5	5	5	5	13	10	57	269	127
2	69	5	5	5	5	5	5	13	10	59	267	127
3	68	5	5	5	5	5	5	13	10	59	267	127
4	67	5	5	5	5	5	5	13	10	63	131	126
5	67	5	5	5	5	5	5	13	10	65	131	125
6	66	5	5	5	5	5	5	13	11	69	131	126
7	65	5	5	5	5	5	5	13	11	76	132	125
8	64	5	5	5	5	5	5	13	11	81	132	123
9	64	5	5	5	5	5	5	13	12	93	132	117
10	64	5	5	5	5	5	5	13	12	90	134	84
11	63	5	5	5	5	5	5	13	13	91	131	29
12	62	5	5	5	5	5	5	13	13	95	131	28
13	62	5	5	5	5	5	5	13	13	96	132	28
14	62	5	5	5	5	5	5	13	14	96	131	28
15	36	5	5	5	5	5	5	13	14	96	131	28
16	5	5	5	5	5	5	5	13	14	95	132	28
17	5	5	5	5	5	5	5	13	16	96	132	28
18	5	5	5	5	5	5	5	13	16	97	131	28
19	5	5	5	5	5	5	5	13	18	97	130	28
20	5	5	5	5	5	5	5	13	20	101	128	28
21	5	5	5	5	5	5	5	13	21	102	128	28
22	5	5	5	5	5	5	5	11	25	104	127	28
23	5	5	5	5	5	5	5	11	28	105	127	28
24	5	5	5	5	5	5	5	11	32	107	126	21
25	5	5	5	5	5	5	5	11	41	109	127	15
26	5	5	5	5	5	5	5	11	50	201	126	15
27	5	5	5	5	5	5	5	11	51	292	127	15
28	5	5	5	5	5	5	5	10	53	285	127	15
29	5	5	5	5	5	5	5	10	10	278	127	15
30	5	5	5	5	5	5	5	10	10	278	127	15
31	5	5	5	5	5	5	5	10	10	278	127	15

MEAN	33.2	5.0	Est. 6	Est. 7	Est. 8	Est. 10	Est. 12	714	12.4	19.4	109	141	63.5
MEAN	2,010	298	369	430	444	615	714	764	1,150	6,730	8,640	3,780	
MEAN	35.9												
MEAN	25.974												

Partial discharge, in amount, of
 HAVING FOR NEAR LANE, LANE

[illegible]

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	557	476	7	9	10	14	334	806	684	915	1070	1070
2	562	476	7	9	10	14	338	767	684	920	1070	1070
3	562	476	7	9	10	14	338	836	655	925	1070	1070
4	562	476	7	9	10	14	338	836	630	935	1070	1070
5	567	476	7	9	10	14	342	836	625	950	1060	1060
6	567	476	7	9	11	14	346	836	625	966	1060	1060
7	572	476	7	9	11	14	346	885	635	966	1060	1060
8	572	472	7	9	11	14	364	1000	620	836	1060	1060
9	572	472	7	9	11	11	373	997	610	699	1050	1050
10	572	472	7	9	11	11	382	930	645	856	1050	1050
11	572	472	7	9	11	11	396	890	615	860	1050	1050
12	572	472	7	9	11	11	404	870	606	865	705	705
13	576	472	8	9	11	11	418	860	586	870	528	528
14	576	472	8	9	11	11	1300	846	572	875	519	519
15	576	161	8	9	11	11	1480	811	548	880	514	514
16	576	6	8	9	11	11	1580	816	528	880	519	519
17	543	6	8	9	13	13	1620	821	528	1080	519	519
18	509	6	8	9	13	13	1080	821	543	1430	519	519
19	495	6	8	9	13	13	738	811	528	1430	519	504
20	490	6	8	9	13	13	743	787	753	1370	495	495
21	490	6	8	9	13	13	797	797	851	1370	490	490
22	490	6	8	10	13	13	846	777	836	1180	476	476
23	490	6	8	10	13	13	865	797	846	1080	463	463
24	472	6	8	10	13	13	538	777	860	1080	436	436
25	472	6	8	10	13	13	454	748	841	1080	418	418
26	472	6	8	10	13	13	601	723	870	1080	418	418
27	476	6	9	10	13	13	708	708	910	1080	418	418
28	476	6	9	10	13	13	717	694	905	1080	418	418
29	476	6	9	10	13	13	777	797	905	1080	418	418
30	476	6	9	10	13	13	777	797	905	1080	418	418
31	476	6	9	10	13	13	797	797	905	1080	418	418

Year	Mean	Acres-Feet	933
1,140	1,405	67,840	1,140
929	660	39,280	57,150
413	25,390	26,240	23,910
431	36,810	599	63,260
1,063	92,700	1,508	85,030
1,429	71,310	1,160	86,400
1,405	67,840	1,140	67,840

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	981	867	422	417	413	404	801	1090	1500	1160	1360	1410
2	969	867	426	426	413	426	813	690	1500	1160	1360	1410
3	957	867	384	396	409	430	807	945	1500	1150	1360	1410
4	960	867	353	372	439	422	801	1040	1500	1100	1380	1410
5	963	867	417	400	493	443	801	1070	1500	1090	1400	1410
6	969	867	404	417	488	456	807	1110	1510	1090	1380	1400
7	963	867	392	439	448	400	825	1070	1570	1090	1390	1410
8	957	885	452	456	426	434	861	1100	1700	1090	1400	1430
9	951	927	426	461	417	663	849	1150	1650	1070	1060	1470
10	981	963	409	418	413	602	837	1190	1620	1070	1240	1470
11	969	903	297	430	417	520	837	1250	1570	1130	1260	1420
12	969	885	439	413	426	582	843	1460	1530	1120	1270	1420
13	963	879	456	413	413	597	867	1700	1500	1100	1270	1350
14	957	873	439	380	422	602	891	2080	1470	1080	1260	987
15	951	849	404	392	422	592	885	2220	1450	1060	1260	951
16	951	466	430	439	430	577	915	2350	1420	1050	1260	957
17	963	434	409	470	443	627	957	2430	1400	1020	1260	955
18	957	434	413	456	430	622	975	2460	1390	1000	1260	953
19	903	430	417	413	413	602	999	2160	1370	999	1710	951
20	885	430	404	439	439	592	1140	1500	1360	993	1750	957
21	891	422	396	443	400	577	1300	1470	1350	1070	1760	945
22	885	426	422	448	434	582	1560	1480	1310	1320	1760	927
23	885	439	434	443	422	587	1600	1600	1330	1320	1600	921
24	891	434	434	448	426	602	1620	1690	1380	1320	1580	921
25	879	434	413	364	434	761	1560	1610	1380	1310	1450	903
26	879	434	396	384	443	831	1410	1600	1330	1340	1420	903
27	879	434	422	461	456	825	1460	1550	1270	1290	1420	855
28	873	456	452	452	426	819	1320	1450	1240	1290	1420	850
29	891	456	426	426	426	789	1230	1550	1210	1310	1420	930
30	873	417	417	426	426	795	1200	1540	1170	1370	1420	
31	867	417	422	426	426			1530		1360		

MAKING FOR BE WARE PLEASE, JORDAN

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1380	1230	717	697	592	686	1120	1600	2260	1630	1650	1810
2	1330	1210	698	689	645	707	1190	1240	2280	1660	1660	1840
3	1300	1200	698	680	680	707	1170	1520	2100	1530	1700	1830
4	1320	1200	623	614	666	749	1200	1550	2120	1500	1720	1830
5	1340	1200	739	743	776	803	1280	1650	2140	1480	1750	1840
6	1360	1210	709	720	719	696	1320	1600	2220	1480	1700	1840
7	1330	1210	709	720	719	696	1320	1600	2220	1480	1700	1840
8	1360	1240	731	693	693	892	1380	1750	2440	1470	1360	2000
9	1360	1300	732	761	892	814	1320	1900	2260	1520	1610	1880
10	1400	1420	742	728	696	770	1380	2200	2180	1470	1630	1860
11	1380	1230	581	716	665	770	1380	2200	2180	1470	1630	1860
12	1380	1240	738	627	676	858	1470	2470	2100	1650	1790	1990
13	1360	1240	718	663	646	904	1520	2930	2020	1400	1630	1320
14	1340	1230	718	556	686	858	1450	3100	2060	1400	1610	1330
15	1380	1210	667	676	665	869	1560	3440	1980	1360	1610	1320
16	1340	814	749	710	707	964	1680	3470	1960	1280	1630	1300
17	1360	637	707	724	696	1010	1680	3100	1920	1340	2100	1300
18	1450	710	718	690	665	916	1600	2180	1940	1320	2240	1270
19	1300	688	728	729	686	880	2020	2100	1810	1360	2220	1240
20	1280	709	676	729	686	880	2020	2100	1810	1680	2260	1210
21	1300	719	676	792	665	880	2320	2680	1880	1700	2060	1260
22	1270	711	748	803	696	869	2510	2680	1940	1660	2020	1230
23	1270	749	749	714	696	880	2220	2740	2100	1650	1860	1160
24	1270	728	728	627	686	1060	2220	2510	2100	1660	1830	1190
25	1260	728	665	453	718	1120	1960	2400	1860	1660	1830	1100
26	1210	739	679	652	749	1120	2160	1880	1750	1630	1810	1090
27	1280	760	707	716	718	1120	1940	2330	1750	1660	1830	1090
28	1230	758	718	686	718	1060	1790	2510	1680	1660	1830	1090
29	1270	738	707	703	703	1080	1790	2510	1680	1660	1830	1090
30	1210	758	716	688	688	1090	1700	2260	1680	1720	1870	1170

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.	1780	1780	1780	1780	1810	1880	1950	1990	2020	2120	2300	2310	2310	2290	2230	2200	2170	2320	2450	2350	2290	2250	2210	2200	2210	2200	2200	2200	2160	2150	2110	
Nov.	2080	2080	2080	2060	2040	2040	2030	2030	2120	2200	2300	2190	2120	2080	2020	1900	1550	1400	1540	1460	1420	1400	1320	1380	1430	1480	1470	1460	1520	1500		
Dec.	1430	1360	1320	1300	1290	1260	1350	1360	1430	1410	1410	1220	1290	1330	1300	1270	1330	1300	1280	1270	1270	1270	1300	1330	1260	1240	1300	1300	1320	1320		
Jan.	1260	1200	1150	1100	1050	1150	1300	1600	1520	1500	1480	1360	1320	1280	1200	1150	1250	1350	1370	1400	1420	1440	1540	1450	1300	1200	1150	1300	1300	1250	1200	
Feb.	1150	1100	1080	1300	1600	1520	1500	1490	1490	1490	1490	1490	1490	1480	1500	1550	1550	1550	1500	1450	1480	1500	1500	1500	2020	2370	2920	2870	--	--		
Mar.	2330	2060	1900	1830	1950	2310	2240	2870	1810	1900	1790	1730	1710	1740	1750	1720	2200	2060	1950	1790	1760	1710	1680	1680	1780	1870	1850	1830	1780	1780		
Apr.	1830	2770	3450	2990	2270	2570	2870	3220	2990	2580	2470	2590	2810	2740	2740	2910	2760	2590	2670	2670	2830	3140	3130	2840	2600	2390	2480	2270	2030	2030		
May	1880	1780	1420	1460	1440	1360	1390	1430	1410	1410	1550	1840	2370	3120	3690	4150	4600	4060	2720	2720	2600	3410	4410	5100	4470	3690	3350	4260	4790	4470		
June	4320	4340	4060	3740	4080	5340	6440	6370	5820	5240	4710	4410	4410	4340	4330	4500	4480	4200	3840	3830	4000	4000	4360	5140	5590	4880	3890	3480	3470	3470		
July	3670	3890	3650	3510	3580	3700	3830	3710	3590	3390	3060	2690	2300	1930	1640	1290	1110	996	879	781	798	814	820	825	861	855	904	1010	1010	1160		
Aug.	1110	989	1090	1260	1320	1240	1130	855	837	873	1000	1110	1120	1100	1050	1010	1010	1380	1500	1530	1600	1460	1460	1330	1330	2100	2120	2100	1340	1300	1290	
Sept.	1250	1180	1210	1250	1400	1440	1650	2410	2630	2720	2720	2670	2520	2480	2470	2430	2390	2310	2290	2230	2230	2190	2160	2100	2100	2180	2180	2180	2180	2180	2180	

Year	Mean	Acme-Point
1900	2,128	1,540,930
1901	2,129	1,540,930
1902	1,790	1,540,930
1903	1,314	1,540,930
1904	1,287	1,540,930
1905	1,589	1,540,930
1906	1,874	1,540,930
1907	2,688	1,540,930
1908	2,900	1,540,930
1909	4,520	1,540,930
1910	2,216	1,540,930
1911	1,204	1,540,930
1912	2,059	1,540,930

MEAN
1,570,930
2,128

1,204
2,216
4,520
2,900
2,688
160,000
178,300
269,000
136,300
74,040
122,500
2,059

[illegible]

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	632	509	488	390	320	402	415	580	2310	2930	566	493
2	580	502	469	350	310	402	420	587	2300	2560	552	493
3	558	502	456	324	300	402	420	552	1940	2540	545	486
4	544	502	430	340	350	408	415	538	1940	2640	566	493
5	544	495	456	380	400	419	415	552	2160	2340	566	500
6	558	488	450	430	430	450	420	566	2430	2270	545	486
7	544	488	436	450	430	419	436	545	2700	2100	532	464
8	537	516	450	450	431	419	464	566	2650	2030	519	480
9	537	537	456	450	430	424	573	573	2160	1890	512	552
10	572	558	456	450	430	414	452	566	1850	1890	545	594
11	544	530	436	450	425	419	452	645	1730	1700	552	532
12	565	509	424	450	425	408	469	843	1860	1550	566	594
13	588	509	419	450	425	408	526	1110	1950	1420	573	645
14	551	502	410	410	430	408	580	1400	2090	1420	559	682
15	537	502	410	350	450	408	552	1670	2210	1330	538	690
16	537	495	420	400	460	402	608	1940	2430	1200	532	675
17	544	488	425	420	450	443	690	2090	2730	1060	526	652
18	632	488	425	440	440	436	675	1900	2590	1060	526	660
19	572	488	425	460	430	419	645	1450	2510	986	526	645
20	572	482	400	480	420	408	668	1250	2420	896	526	638
21	558	476	410	500	410	408	758	1530	2620	800	526	622
22	537	476	420	490	400	414	887	2240	2730	741	519	622
23	537	488	420	470	405	414	784	2760	2860	675	506	622
24	544	523	410	450	405	414	716	2830	2720	660	500	615
25	544	530	400	420	408	414	660	2200	2620	638	500	608
26	544	516	410	420	414	414	652	2070	1990	622	500	608
27	530	509	420	420	424	414	698	2130	1820	608	580	601
28	523	565	425	400	408	408	652	2780	2020	622	512	594
29	537	530	425	370	402	402	601	2490	2320	622	480	622
30	516	530	425	340	402	402	573	2180	2700	608	486	682
31	509		430	320		408		2320		594		

MEAN	33,970	30,170	26,450	25,630	22,740	25,450	34,040	90,150	137,600	85,290	32,660	35,010
MEAN	552	507	430	417	410	414	572	1,466	2,312	1,387	531	588

YEAR
MEAN
ACRE-FEET
800
579,160

[illegible]

Year	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

303, 710

이제부터

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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1	359	344	288	279	170	130	1100	305	700	1210	629	419
2	329	283	260	100	165	310	600	301	657	1220	615	408
3	319	283	240	110	190	430	425	296	503	1210	615	402
4	319	283	250	140	220	480	375	292	516	1190	615	402
5	319	283	250	170	240	420	301	301	657	1230	595	397
6	334	283	245	170	240	380	670	296	864	1250	588	392
7	334	279	260	200	250	340	847	296	1200	1420	581	397
8	334	288	260	200	250	300	650	339	1240	1350	561	478
9	334	359	246	200	250	270	324	913	1220	1220	548	615
10	344	448	240	200	250	270	310	657	1220	1220	554	601
11	359	454	230	195	250	250	425	310	657	1220	554	601
12	349	375	220	190	250	235	431	305	588	1250	588	528
13	334	349	210	180	260	230	431	324	608	1160	595	478
14	319	339	200	170	275	230	419	375	608	1030	581	454
15	310	319	200	170	280	230	397	408	643	972	561	466
16	305	310	210	180	270	260	364	437	723	905	535	472
17	314	301	210	190	250	360	349	454	897	831	516	460
18	478	292	210	200	240	397	516	454	1020	769	510	454
19	466	292	205	207	240	340	329	510	963	723	503	443
20	437	288	195	230	257	300	314	466	930	686	503	431
21	408	279	195	250	280	280	314	425	980	678	497	419
22	397	279	210	260	270	260	329	425	1040	664	484	425
23	408	288	210	260	260	260	319	478	1070	657	472	431
24	386	370	200	260	400	256	319	622	1160	650	466	425
25	364	364	190	255	600	254	319	708	1160	643	460	419
26	344	329	200	250	550	240	305	629	997	629	454	408
27	329	319	210	260	450	220	305	615	921	643	448	402
28	319	310	220	230	400	205	301	693	1030	650	437	408
29	314	296	220	190	215	210	296	815	1030	650	437	408
30	296	296	220	155	225	215	296	678	1140	643	431	497
31	296	296	220	130	225	225	296	636				

MEAN	18,900	21,580	13,780	12,010	15,460	18,020	25,930	27,520	51,500	57,940	32,730	26,550
AGRE-	318	351	224	195	278	293	436	448	866	942	532	446
MEAN												

Year
MEAN
ACRE-Feet
321,920
17.5

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	602	507	466	340	300	558	2440	592	2210	2340	902	666
2	597	507	462	270	300	535	1190	582	1990	2300	983	655
3	582	503	417	240	340	628	796	554	1730	2280	998	644
4	568	498	410	280	400	1010	683	535	1880	2160	924	634
5	568	498	426	320	430	983	776	539	2360	2160	866	634
6	573	503	422	360	445	582	1180	530	2810	2230	859	634
7	578	494	458	380	445	554	1370	516	2950	2300	837	634
8	573	498	440	380	445	507	1180	544	2660	2280	823	694
9	573	549	628	380	445	476	888	563	2030	1990	803	852
10	578	678	410	380	445	448	750	544	1680	1910	796	909
11	582	608	400	370	440	444	750	549	1790	1890	830	837
12	573	558	395	365	440	426	756	634	1960	1760	866	769
13	563	514	380	360	450	430	776	844	1960	1600	844	743
14	539	514	380	350	480	435	655	1060	2010	1490	816	725
15	526	530	380	350	480	417	634	1280	2160	1400	789	737
16	526	512	390	350	500	417	683	1430	2160	1310	769	725
17	530	498	400	370	490	539	700	1570	2160	1310	762	725
18	628	489	400	420	480	602	655	1480	2390	1180	756	712
19	706	480	400	450	426	602	655	1480	2390	1130	750	694
20	666	471	375	460	444	539	623	1170	2270	1130	743	683
21	644	462	375	470	458	503	650	1040	2280	1090	712	672
22	623	462	380	480	422	484	743	1310	2430	1060	725	683
23	618	466	400	475	422	476	769	1900	2470	1040	719	678
24	618	507	390	470	484	462	712	2420	2470	1020	712	672
25	592	573	370	450	458	700	700	2080	2430	1010	712	672
26	578	535	380	430	458	700	700	1760	2190	983	700	655
27	563	512	390	430	458	694	694	1830	1930	976	700	650
28	549	512	395	450	426	689	634	2290	1890	961	683	644
29	539	498	400	420	404	602	634	2730	2040	946	678	706
30	526	480	400	450	422	422	2170	2170	2250	932	672	
31	516	480	400	420	422	422	2190	2190	2250	932	672	

Year	Mean	Ague-Point	860
1900	581	35.700	43.600
1901	519	30.860	48.870
1902	408	25.110	43.600
1903	386	23.720	43.600
1904	556	30.880	43.600
1905	527	32.410	43.600
1906	859	51.090	43.600
1907	1,220	75.040	43.600
1908	2,214	131.800	43.600
1909	1,558	95.800	43.600
1910	795	48.870	43.600

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	95	258	281	304	311	689	510	693	778	257	115	168
2	97	250	277	309	265	616	558	686	769	246	116	166
3	100	248	275	304	267	573	667	678	735	210	125	145
4	97	246	268	260	333	573	658	669	711	199	123	138
5	97	243	268	260	369	612	631	658	680	194	113	122
6	112	241	275	270	388	671	651	645	671	194	127	127
7	129	243	277	270	448	680	651	629	667	204	127	154
8	145	246	279	270	506	616	708	618	678	236	119	178
9	189	260	282	280	495	567	730	649	651	248	115	216
10	223	306	286	290	485	529	730	645	601	279	120	228
11	226	322	282	290	408	508	708	616	556	279	129	224
12	248	315	267	280	360	481	693	629	525	253	142	220
13	252	300	274	280	339	458	708	693	485	243	160	229
14	241	291	277	280	331	446	730	649	464	253	150	238
15	236	286	272	270	331	444	728	769	432	245	213	253
16	233	284	277	270	350	442	728	840	410	226	207	267
17	223	281	288	280	394	464	724	861	396	207	169	270
18	229	277	290	290	434	560	735	881	380	194	157	274
19	255	275	297	300	456	627	741	895	365	158	169	277
20	279	272	293	300	450	642	739	893	346	140	160	277
21	290	272	267	320	450	627	741	886	324	119	160	277
22	286	268	281	400	428	590	744	881	308	108	158	285
23	284	268	308	460	406	567	735	884	126	157	295	
24	281	279	293	491	410	531	739	891	313	123	157	
25	279	297	238	450	500	548	730	884	333	123	151	306
26	279	286	277	394	588	571	717	881	342	126	160	313
27	277	284	299	369	689	556	711	868	317	127	156	300
28	274	284	326	388	711	542	713	852	299	127	156	270
29	267	290	326	344	481	497	713	828	277	125	154	280
30	263	284	308	309	331	487	704	808		125	158	
31	265							796				

232	232	232	232	232	232	232	232	232	232	232	232	232
13,780	147	191	497	765	699	555	34,110	41,570	47,050	29,570	11,740	9,020
218	275	284	320	425	555	555	34,110	41,570	47,050	29,570	11,740	9,020
13,390	16,380	17,190	19,660	23,610	34,110	41,570	47,050	29,570	11,740	9,020	13,780	232

MEAN
ON
YEAR
ACRE-FOOT
277,370

County drainage, in general, of
Teton Creek near bridge, Idaho

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	27	18	16	9.5	7.2	6.5	7.0	28	389	793	126	41
2	23	17	16	9.1	7.2	6.5	7.0	26	379	801	137	40
3	25	17	14	9.0	7.2	6.5	7.0	24	367	766	133	39
4	23	16	11	9.0	6.9	6.5	7.0	23	539	801	137	36
5	27	16	15	8.7	6.9	6.5	7.0	22	706	751	118	35
6	24	16	14	8.7	6.9	6.5	7.0	22	713	759	106	34
7	23	16	12	8.7	6.6	6.5	7.0	23	532	647	100	35
8	22	17	14	9.1	6.3	6.5	7.5	23	404	614	94	41
9	22	17	14	8.3	6.3	6.5	8.0	22	300	625	90	54
10	22	18	14	8.3	6.3	6.5	9.0	23	283	647	86	47
11	22	17	12	8.3	6.3	6.5	10	31	376	564	78	37
12	23	17	12	8.3	6.5	6.5	14	45	423	504	76	33
13	23	16	12	8.7	6.5	6.5	14	82	490	463	72	32
14	21	16	11	8.0	6.5	6.5	20	137	593	423	74	32
15	21	15	12	8.3	6.5	7.0	20	183	728	411	72	31
16	21	15	12	8.3	6.5	7.0	24	215	725	376	70	30
17	24	15	12	8.3	6.5	7.0	34	233	625	361	66	30
18	26	15	11	8.3	6.5	7.0	33	165	629	346	65	28
19	23	15	11	8.3	6.5	7.0	36	122	662	343	64	26
20	24	14	11	8.7	6.5	7.0	46	124	680	311	62	25
21	22	13	11	8.7	6.5	7.0	61	220	740	289	60	24
22	21	13	10	8.3	6.5	7.0	55	382	650	280	58	24
23	21	15	11	8.3	6.5	7.0	47	430	596	272	55	23
24	21	18	11	7.5	6.5	7.0	42	320	532	248	52	22
25	21	18	10	7.5	6.5	7.0	39	334	469	235	50	22
26	21	17	10	7.7	6.5	7.0	37	414	575	225	47	21
27	21	17	10	7.7	6.5	7.0	35	473	691	208	45	20
28	20	20	10	7.7	6.5	7.0	32	355	785	193	43	23
29	18	20	17	7.5	6.5	7.0	30	311	716	158	41	22
30	18	18	18	7.0	7.0	7.0						
31	18	18	18	7.0	7.0	7.0						

Mean	117	117	117	117	117	117	117	117	117	117	117	117
Mean	22.3	16.3	11.9	8.36	6.60	6.76	26.4	1.58	33,130	557	462	79.3
Aggr-	1,370	970	729	514	366	416	1,450	10,310	33,130	28,410	4,880	1,870
Per-	22.3	16.3	11.9	8.36	6.60	6.76	26.4	1.58	33,130	557	462	79.3

Year
Period
Aggr-Per
Mean
117
84,415

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								0	347	351		
2								0	254	322		
3								0	194	322		
4								0	175	322		
5								0	287	322		
6								0	360	306		
7								0	493	299		
8								0	272	299		
9								0	206	283		
10								0	138	268		
11								1	215	228		
12								0	250	218		
13								54	254	188		
14								178	287	162		
15								148	372	138		
16								194	550	117		
17								237	339	82		
18								200	326	44		
19								143	322	43		
20								121	377	24		
21								200	360	24		
22								300	351	24		
23								300	247	16		
24								300	240	12		
25								280	206	8		
26								351	244	4		
27								394	364	0		
28								326	398	0		
29								247		0		
30								247		0		
31								283		0		

MEAN

3.2

137

306

153

9,390

0

0

8,440

18,180

0

75 9104

THE UNIVERSITY OF CHICAGO PRESS

