

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

1348

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INTRODUCTION

The annual water meeting of District 36 was held in Idaho Falls on March 1, 1948. Lynn Crandall was elected as watermaster and the following were elected as members of the Committee of Nine:

John E. Kelley, Chairman; N. V. Sharp, vice-chairman; Alex Coleman, Ival V. Goslin, Roy Marquess, Eph Ricks (Willis Walker, alternate), Hyrum Severson (Leonard Graham, alternate), A. E. Stanger, and Chas. Welteroth.

Advisory members: S. R. Marean and L. W. Hastings.
Secretary: John Lee.

Eph Ricks, who was first elected a member of the Committee in 1928, died early in September 1948 and was succeeded in this position by Willis Walker of Rexburg.

The same schedule of stored water transmission losses in use for some years past was again approved by the waterusers: $2\frac{1}{2}\%$ 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.

The meeting adopted a budget for the ensuing year of \$32,194.88 to cover expenses of operating the District. This was about 6% greater than the budget for the previous year and was the result of the creeping inflation affecting our national economy at this time.

Other resolutions adopted by the waterusers included the following:

1. Reiterated their opposition to any further attempts to establish a Columbia Valley Authority.
2. Recommended that the Government sell its American Falls space to those who have been leasing it.

3. Asked for more effective control of noxious weeds in irrigated areas.

Water supplies were ample and no crop losses were suffered due to water shortages in any areas that could be supplied with stored water. All reservoirs filled to capacity, with use of stored water beginning on July 7. The holdover remaining in the reservoirs on September 30, 1948 was 1,086,190 acre-feet or 38% of capacity. Water spilled past Milner during the year ending September 30, 1948, in excess of about 155,000 acre-feet allowance for Idaho Power Co. rights, amounted to 2,010,000 acre-feet, nearly half of which occurred prior to the beginning of the irrigation season.

A general rain on September 18 brought an end to river regulation for the 1948 season except for some stored water being spilled past Milner thereafter for the Idaho Power Co.

Total stored water used in the district during the season amounted to 1,842,687 acre-feet or about 20% greater than in 1947. Most of the additional use occurred in the upper valley above American Falls Reservoir.

As the year drew to a close most of the important groups of waterusers were in close agreement between themselves and with the Bureau of Reclamation on matters relating to building Palisades Reservoir and disposal of the Government owned space in American Falls Reservoir. It is hoped that any remaining questions can be settled early in 1949 so that the construction program at Palisades dam can get under way that year.

PERSONNEL

The persons engaged in water distribution during 1948 were as follows:

Lynn Crandall	Watermaster & Deputy Com. of Reclamation
Henry C. Eagle	Hydr. Engineer and Deputy Watermaster
Melvin Luke	Deputy Watermaster & Hydrographer at St. Anthony
Oleen Dummer	Hydrographer
A. H. Bush	Hydrographer
Charlotte M. Elg	Clerk
J. Dean Hill	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
Eugene Liljenquist	Deputy Watermaster, Blackfoot Division
R. H. Seymour	Deputy Watermaster, Milner dam
Paul Wendell	Deputy Watermaster, Milner dam
George Weeks	Deputy Watermaster, Swan Valley Division
Thos. W. Stoddard	Deputy Watermaster, Sheridan Creek
S. R. Marean	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: Joseph H. Bahr, Jr., Foster B. Randall, H. F. Reimann, D. L. Dutton, Mrs. Irvin Siepert, James Fugal, D. R. Anthony, Chester Isaacs, Paul Bolland, J. T. Hobbs, T. E. Culley, A. J. Ayers, Wm. Hall, K. Hutchison.

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</u> (Snake River)										
1939	32	6.5	39	10.5	37	11.3			14	6.3
1940	20	4.4	31	8.1	31	11.3			9	3.5
1941	23	5.5	31	7.4	29	9.7			0	0

Year	Mid-Jan.		Mid-Feb.		Mid-Mar.		April 1		Mid-Apr.	
	S	W	S	W	S	W	S	W	S	W
<u>Moran (Snake River) - continued</u>										
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
Long time average	25	5.9	35	9.0	36	10.8	33	10.5	23	8.5

<u>Moran Canyon (Snake River)</u>										
1939	45	10.3	62	18.5	71	22.7			46	20.7
1940	36	7.3	49	12.3	61	19.5			52	21.7
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
Normal	41	10.0	54	15.2	59	18.8	66	22.9	53	20.1

<u>Arizona Station (Snake River)</u>										
1939	37	9.6	55	15.0	64	19.2			32	15.4
1940	23	4.8	37	9.0	42	15.0			24	10.9
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
Normal	36	8.9	46	13.3	51	16.3	56	18.8	41	15.8

<u>Huckleberry Divide (Snake River)</u>										
1939	38	9.7	67	17.1	67	20.2			41	17.5
1940	25	5.4	40	9.9	50	15.7			37	16.1
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
Normal	39	9.7	51	14.7	56	17.7	57	19.2	50	18.6

Year	Mid-Jan.		Mid-Feb.		Mid-Mar.		April 1		Mid-April	
	S	W	S	W	S	W	S	W	S	W
<u>Snake River Station (Snake River)</u>										
1939	47	10.5	74	20.9	72	22.5			37	17.2
1940	27	5.9	43	11.3	50	16.4			30	14.2
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
Normal	40	9.7	52	14.9	56	18.2	61	20.4	45	18.0

<u>Lewis Lake Divide (Snake River)</u>										
1939	75	21.0	111	35.1	123	44.2			81	36.5
1940	39	9.9	58	16.4	87	30.0			89	37.2
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
Normal	69	20.5	91	30.3	101	37.4	115	44.2	97	41.3

<u>Aster Creek (Snake River)</u>										
1939	48	13.0	74	24.2	81	28.0			50	22.2
1940	27	5.9	37	11.4	62	19.6			40	18.2
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	-	-	81	30.0
Normal	51	14.2	66	21.5	75	26.4	93	35.0	72	29.2

<u>Colter Creek (Snake River)</u>										
1939	47	11.5	69	20.6	71	22.9			37	15.8
1940	27	5.5	42	11.3	52	17.6			35	15.7
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
Normal	45	11.1	57	16.5	63	20.1			53	20.9

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>										
1939	50	12.7	69	21.7	76	25.2			44	20.0
1940	29	7.5	49	11.8	57	21.4			47	21.0
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
Normal	46	11.6	60	17.3	65	21.2	71	23.7	57	22.6

Year	Feb. 1-6		Mar. 23-29	
	S	W	S	W
<u>Turpin Meadows (Buffalo River)</u>				
1939	33	7.2	36	10.4
1940	24	5.0	24	7.3
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
Normal	28	6.4	35	10.0

<u>Four Mile Meadows (Buffalo River)</u>				
1939	38	8.0	38	12.6
1940	25	5.4	32	9.7
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
Normal	33	7.8	43	12.5

<u>Black Rock (Buffalo River)</u>				
1939	52	14.7	59	19.6
1940	32	7.0	47	14.1
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
Normal	43	11.5	63	20.9

<u>Year</u>	<u>Feb. 1-6</u>		<u>Mar. 23-29</u>	
	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>
<u>Twoowotee Pass (Buffalo River)</u>				
1939	59	18.9	73	26.8
1940	35	7.9	55	16.9
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
Normal	59	18.0	76	26.8

	<u>Jan. 1</u>		<u>Feb. 1</u>		<u>Mar. 1</u>		<u>April 1</u>	
	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>
<u>Valley View Ranch (Henrys Fork)</u>								
1939	22	3.8	-	-	-	-	40	12.2
1940	8	0.7	21	4.0	33	7.8	31	10.1
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
Normal	23	4.3	32	7.3	42	10.6	45	13.9

<u>Big Springs (Henrys Fork)</u>								
1939	31	7.8	48	11.4	60	18.3	50	17.8
1940	11	0.9	27	6.1	46	11.9	41	14.0
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
Normal	30	6.4	46	11.6	57	16.7	58	19.4

<u>Island Park (Henrys Fork)</u>								
1939	24	4.9	48	10.1	53	14.4	33	11.2
1940	10	1.0	27	5.1	41	10.9	35	11.7
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

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W	S	W
<u>Island Park</u> (Henrys Fork) - continued								
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
Normal	26	5.0	40	9.1	48	13.1	45	14.3

<u>Grassy Lake</u> (Fall River)								
1940	34	13.3	50	21.5	78	32.6	66	33.0
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
Normal	52	14.6	67	21.1	79	28.0	79	30.8

<u>Bechler Ranger Sta.</u> (Fall River)								
1939	39	10.0	69	17.2	85	25.1	57	24.4
1940	31	6.1	43	12.8	56	18.0	63	25.0
1941	42	9.4	58	15.3	59	18.8	46	16.4
1942	30	6.9	46	12.4	62	18.3	58	20.2
1943	-	-	-	-	99	34.0	82	35.0
1944	-	-	32	7.5	45	12.3	48	15.4
1945	40	6.4	38	9.9	58	18.7	63	20.5
1946	37	8.1	54	15.4	74	23.5	65	25.0
1947	37	10.9	52	14.4	49	16.1	51	17.9
1948	-	-	-	-	-	-	73	26.8
Normal	35	8.0	52	13.9	67	21.3	66	24.0

<u>Teton Pass</u> (Teton River)								
1939	61	17.1	69	20.8	97	34.3	96	37.1
1940	18	1.3	60	14.3	76	21.5	79	28.8
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
Normal	50	13.7	69	21.0	88	29.5	99	36.0

<u>State Line</u> (Teton River)								
1939	31	6.1	34	7.1	46	12.1	35	12.8
1940	6	0.4	31	5.2	36	8.6	27	10.1
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

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W	S	W
<u>State Line (Teton River) - Continued</u>								
1944	-	-	24	5.1	35	8.3	36	8.4
1945	31	5.6	28	7.0	39	10.3	45	13.1
1946	30	7.1	49	11.0	46	13.2	40	14.0
1947	22	6.1	35	8.8	39	11.0	33	11.0
1948	27	5.8	37	7.2	40	9.9	47	13.1
Normal	26	5.4	38	9.1	45	12.8	44	14.9

<u>East Rim (Hoback River)</u>								
1939	23	4.9	-	-	-	-	33	7.2
1940	-	-	-	-	25	7.0	24	6.0
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
Normal	17	3.4	-	-	34	8.9	38	11.0

<u>Bryan Flat (Hoback River)</u>								
1939	17	3.9	30	6.6	31	8.4	24	8.0
1940	4	0.3	20	4.6	20	6.5	16	4.3
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
Normal	18	3.7	27	5.9	32	8.6	31	9.5

<u>Yellowjacket Flat (Gros Ventre River)</u>								
1939	16	2.6	20	3.9	26	5.2	19	5.1
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
Normal	11	1.9	18	3.2	27	5.7	27	6.5

<u>Grover Park Divide (Salt River)</u>								
1939	-	-	23	6.4	36	9.4	20	7.6
1940	13	2.0	26	6.6	31	9.9	25	9.8
1941	27	4.6	30	7.0	31	9.1	21	8.0
1942	-	-	26	5.2	31	8.5	28	8.8

<u>Year</u>	<u>Jan. 1</u>		<u>Feb. 1</u>		<u>Mar. 1</u>		<u>April 1</u>	
	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>
<u>Grover Park Divide (Salt River) - continued</u>								
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
Normal	22	4.2	30	7.0	34	9.6	35	10.7

<u>CCC CAMP FF12 (Salt River)</u>								
1939	-	-	29	5.7	36	10.2	21	7.8
1940	9	1.0	26	5.9	27	8.8	22	8.4
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	3.3	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
Normal	20	4.2	29	6.9	35	9.6	36	11.1

<u>Deadman Ranch (Greys River)</u>								
1939	28	4.1	36	6.6	36	9.4	T	T
1940	T	T	22	3.4	20	3.1	0	0
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
Normal	20	3.4	30	6.4	34	9.4	29	9.0

<u>Greys Boundary (Greys River)</u>								
1939	-	-	41	8.0	44	13.3	23	7.6
1940	2	0.2	29	7.2	28	9.5	14	6.1
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
Normal	20	4.4	30	6.7	34	10.1	29	10.3

On April 1, 1948, the snow supply averaged approximately as follows as percent of normal on different sections of the watershed: Jackson Lake 91%, Tributaries Jackson Lake to Heise 96%, Island Park 94%, Fall River 113%, Teton River 87%. The river runoff for the year ending September 30, 1948, was 100% of normal at Moran, 95% at Heise, 102% from Island Park, 105% on Fall River, and 105% on Teton River. Heavy June precipitation at many points on the watershed and good groundwater holdovers from 1947 were probably contributing factors in causing the runoff to somewhat exceed that indicated by the 1948 snow surveys. The comparison between snow surveys and runoff, expressed as percentage of normal, is also affected by the fact that the records upon which the normal runoff is based extend back over many more years than do the snow survey records.

REGULATION SCHEDULE FOR 1948

July	7	Cut off rights later than 1908 priority
"	8	Cut off rights later than 1905 priority
"	9	Cut off rights later than March 26, 1903 priority
"	10	Cut off 1899 rights.
"	11	Cut off 1896 rights
"	12	Cut off rights later than Feb. 6, 1895
"	13	Filled 50% Aug. 18, 1894 right
"	14	Cut off 1893 rights
"	20	Restored 1893 rights
"	22	Cut off June 1, 1892 rights
"	23	Filled 2/3 of Dec. 14, 1891 right
"	25	Filled Dec. 14, 1891 right
"	28	Filled 2/3 of Dec. 14, 1891 right
"	31	Filled 1/3 of Dec. 14, 1891 right
Aug.	2	Cut off June 1, 1891 rights
"	5	Filled 50% Dec. 14, 1891 right
"	9	Restored all 1891 rights
"	10	Filled Aug. 18, 1894 right
"	11	Filled 80% Feb. 6, 1895 right
"	12	Filled 70% Feb. 6, 1895 right
"	14	Filled 50% Feb. 6, 1895 right
"	16	Cut off Dec. 14, 1891 rights
"	17	Cut off June 1, 1891 rights
"	18	Filled 50% Jan. 24, 1891 rights
"	19	Cut off all 1891 rights

Regulation Schedule - continued:

Aug. 20	Filled 30% Oct. 16, 1890 right
" 21	Cut off Oct. 16, 1890 right
" 24	Filled 50% Oct. 16, 1890 right
" 25	Filled 50% Dec. 14, 1891 right
" 27	Filled 50% June 1, 1891 right
" 31	Filled 50% Jan. 24, 1891 right
Sept. 1	Cut off Oct. 16, 1890 rights
" 2	Cut off July 12, 1890 rights
" 10	Filled 50% July 12, 1890 rights
" 11	Filled July 12, 1890 rights
" 13	Filled all 1890 rights
" 15	Cut off July 12, 1890 rights
" 17	Restored all 1890 rights
" 18	Discontinued regulation above American Falls reservoir

There was a period of a week or so beginning July 9 when rights on Henrys Fork were cut to slightly earlier priorities than the above schedule. Rights on Teton River were also cut to earlier priorities than this schedule for the balance of the season after July 22. It was necessary to divert stored water thru the Cross Cut canal for Teton River canals from July 13 to Aug. 30.

Storage release from the various reservoirs began on the following dates: American Falls, July 6; Jackson Lake, July 6; Island Park, July 9; Henrys Lake, July 15; Grassy Lake, July 27.

Altho regulation did not begin until July 7, the river flow dropped rapidly after that date and by July 10 the 1900 rights were cut, breaking the river in two at Blackfoot for the purposes of natural flow regulation. By August 2, the June 1, 1891 rights were cut off but moderate rains then reduced the demand for water in the upper valley and by August 11 the Feb. 6, 1895 rights were partly filled. Priority cuts were resumed on August 15 and continued until the low point was reached on September 15, when the July 12, 1890 rights were cut off. Heavy and widespread rains made it possible to

discontinue regulation on September 18 at which time the Jackson Lake gates were closed for the season. The available natural flow in the upper valley after regulation began was less than in 1947, hence there was more stored water used by upper valley canals in 1948 than during the preceding year.

WATER SUPPLY

Run-off at various gaging stations during the year ending September 30, 1948, was as follows:

<u>Station</u>	<u>1947 run-off (acre-ft.)</u>	<u>Average run-off past years (acre-ft.)</u>	<u>Years of record</u>	<u>1948 per- cent of average</u>
Snake R. at Moran	1,026,100	1,028,000	45	100
Snake R. at Heise	4,785,000	5,029,000	45	95
Snake R. at Neeley	5,714,000	5,669,000	52	99
Fall R. nr. Squirrel	567,900	539,260	35	105
Teton R. nr. St. Anthony	567,750	542,400	21	105
Henrys Fk. at Warm River	735,520	718,700	34	102
Henrys Fk. nr. Rexburg	1,482,390	1,391,000	40	106

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

The run-off from Henrys Fork and tributaries was somewhat higher relatively than from the main river, but considering District No. 36 as a whole it may be said that 1948 was but slightly below an average or normal year as far as the annual run-off is concerned.

The peak floodwater discharge of Snake River at the Heise gaging station occurred on June 4 and amounted to 30,500 second-feet, of which 7,400 second-feet was being spilled from Jackson Lake. This discharge caused some flooding of irrigated lands put under cultivation in recent years, particularly in the section on the south side of

Snake River between the mouth of Henrys Fork and the Roberts bridge. Except for water being stored in Jackson Lake at the time, however, the peak flow at Heise would have been about 32,500 second-feet and would have continued at a rate in excess of 27,000 second-feet for 20 days instead of 11 days as was the actual case. On account of heavy canal diversions at the time of the maximum flow the floodwater peak passing Blackfoot was only 23,400 second-feet, which was slightly less than in 1947. The snow water run-off in 1948 was concentrated in a shorter period than usual due to cool weather in May and the absence of the usual periods of freezing temperatures that ordinarily interrupt the flood water run-off and thereby spread it over a longer time interval. On this account the floodwater peak at Heise in 1948 was greater than has usually occurred in past years of similar snow supply. Due to canal diversions, however, the maximum flow spilled past Milner during the peak of the flood was less than 15,000 second-feet or only 1.5% of the Columbia River flood flow that caused so much damage at Portland, Oregon.

Canals on the north side of the river below Heise experienced the usual difficulties late in the season in trying to divert an adequate amount of water. Water spilled past Milner, in excess of Idaho Power Company rights, during the year ending September 30, 1948 was 2,010,000 acre-feet. In only three years, 1928, 1943, and 1946, since American Falls Reservoir was built has the spill past Milner exceeded that which occurred in 1948. No serious water shortages have been experienced on Snake River since 1935. As a result the ground water levels on the watershed and in the irrigated areas are well sustained at present and the waterusers have enjoyed during recent

years an adequate supply of irrigation water.

This fact is further demonstrated by the following table showing holdovers in the various reservoirs at the close of the irrigation season for the past 10 years.

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>
1939	313,170	252,050	76,770	49,200	52,700	0	743,890
1940	166,350	264,380	- 900	36,500	17,050	520	483,900
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
Average	364,690	567,340	66,770	53,630	52,250	10,180 (a)	1,114,860

(a) 9 years

The combined capacity of these reservoirs when full is 2,872,000 acre-feet. The 1948 holdover was about 38% of capacity.

TRANSFERS AND EXCHANGES

There were no transfers during the year under the provisions of the Idaho transfer statute. The action of the Idaho Legislature a few years ago requiring the consent of a canal company to any water transfers by its stockholders has proved an effective obstacle to water transfers on Snake River, limiting them to occasional isolated instances where the owner of an individually decreed right desires to transfer same to other lands of better quality.

There were a few temporary exchanges of natural flow rights between small neighboring ditches in the Heise section where such procedure would result in more efficient delivery and saving of water.

LITIGATION

For the second time during the present watermaster's tenure of office, covering the past 19 years, he failed during 1948 to be a defendant in any water suit.

COMMUNITY LATERAL MANAGERS

Under the provisions of the Idaho Code, the watermasters in the various water districts thruout the state are authorized to appoint canal managers on community laterals where the users have not themselves selected a manager by April 1, when so requested by a wateruser on such lateral. Under this provision the following appointments were made during 1948:

J. A. Jones	Rupe Lateral from Aberdeen Canal
Noble Barrus	First Lateral from Peoples Canal
Noble Barrus	Augustine Ditch from Danskin Canal
Noble Barrus	Old Highline Ditch from Peoples Canal
Claude Beasley	Hennebold Lateral from Aberdeen Canal

CANAL DELIVERIES

Daily diversions from Snake River during the 1948 irrigation season by canals between Heise and Blackfoot are shown on Plates 6 to 10 inclusive. Records of the flow in these canals are not kept outside of the irrigation season. Daily diversions thruout the year by lower valley canals are shown on Plates 34 to 44 inclusive. Measurements on some of the principal canals and streams on the headwater areas are shown on Plate 24.

Total diversions during the irrigation season by all users in the District including numerous individual rights in the headwater areas, as computed for the 1948 watermaster bill, amounted to 7,160,000 acre-feet, which is 280,000 acre-feet less than in 1947. Much of the difference is due to reduced use during May in the upper valley on account of weather conditions.

Diversions during 1948 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-ft.)	Acres Irrigated	Acre-feet per acre
Riley	4,100	870	4.7
Anderson & Eagle Rock	207,000 (a)	31,525	6.6
Farmers Friend	77,400	10,300	7.5
Enterprise	29,100	5,000 (b)	5.8
Nelson	330	60	5.5
Mattson & Arnsberger	3,020	500	6.0
Ross and Rand	1,150	170	6.8
Butler Island	13,000	1,200	10.8
Steele	1,650	280	5.9
Harrison	97,100	12,750	7.6
Cheney	1,420	200	7.1
Rudy & Boomer	47,400	5,500	8.6
Kite & Nord	1,180	200	5.9
Burgess	191,000	22,000	8.7
Clark & Edwards	18,400	1,800	10.2
Lowder & Jennings	9,540	1,000	9.5
East Labelle	27,500	2,400	11.4
Sunnydell	30,100	3,770	8.0
Lenroot	29,000	4,200	6.9
Reid	34,400	5,200	6.6
Texas Feeder	58,500	9,000	6.5
Nelson Corey	1,900	460	4.1
Hill Pettinger	720	160	4.5
Rigby	42,900	4,000	10.7
Dilts	6,580	600	11.0
Island	30,900	3,500	8.8
W. Labelle & Long Island	109,500	10,000	11.0
Parks & Lewisville	83,100	7,000	11.9
North Rigby	13,800	1,500	9.2
White	770	160	4.8
Ellis	1,290	120	10.7
Bramwell	1,860	180	10.3
Butte & Market Lake	83,200	20,000	4.2
Osgood	26,600	6,440	4.1
Bear Island & Smith	660	170	3.9
Idaho	247,000 (a)	35,628	6.9
Kennedy	10,100	2,600	3.9
Great Western & Porter	182,000	28,900	6.3
Coy & Kellar	190	70	2.7
Woodville	21,200	3,000	7.1
Snake River Valley	139,000 (a)	21,000	6.6
Reservation	220,700 (c)	32,000	6.9
Blackfoot	79,400	13,000	6.1
New Lava Side	34,200	5,500	6.2
Peoples	119,000	18,000	6.6

for Dist 36
 175,366 from 17th Biennial Report

Canal	Diversions (acre-feet)	Acres Irrigated	Acre-feet per acre
Aberdeen	305,000	61,000	5.0
Corbett	39,700	6,000	6.6
Nielsen-Hansen	2,000	460	4.3
Riverside	28,200	3,200	8.8
Danskin	52,000	6,000	8.7
Trego	15,200	1,500	10.1
Wearyrick	16,100	1,500	10.7
Watson	27,300	4,000	6.8
Parsons	7,310	800	9.1
Minidoka Irr. Dist.	462,970	70,619	6.6
Burley Irr. Dist.	301,070	46,000	6.6
No. Side Canal Co.	1,064,000	161,480	6.6
Twin Falls Canal	1,051,500	202,706	5.2
Milner Low Lift	53,190	9,033	5.9
Gooding Project	413,600	60,830	6.8
Total	6,178,000	967,041	6.4

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

(b) About 1,900 acres of this supplied thru Eagle Rock canal after July 14.

(c) 28,200 from Snake River. Balance from Blackfoot River and Sand Creek.

Total diversions by the foregoing canals were 187,000 acre-feet less than a year ago due to less diversions by upper valley canals. Lower valley diversions, except the Minidoka Irrigation District, were a little greater than in 1947.

Of 3,346,330 acre-feet diverted by lower valley canals, 1,212,410 acre-feet or 36% was stored water. Of the 2,831,670 acre-feet diverted by upper valley canals from Heise to Blackfoot, 453,660 acre-feet or 16% was stored water.

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

32000
60830
92830

967041
92830
874211

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>
1939	585	620	691	564	393	2853
1940	548	630	594	462	289	2523
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
Average	435	570	703	587	412	2707

Henrys Fork and Tributaries
(excluding headwater creeks)

1939	228	225	206	167	117	943
1940	230	213	182	136	92	853
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
Average	184	210	204	168	104	870

1939-48 figures are after deduction for water spilled from
Cross Cut Canal into Teton River.

Minidoka Project

<u>Year</u>	<u>Apr.</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
1939	77	164	130	165	159	97	792
1940	35	162	156	173	159	50	735
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
Average	31	143	126	177	162	93	732

North Side Canal Co. Project

<u>Year</u>	<u>Apr.</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
1939	95	208	197	217	215	111	1043
1940	61	176	194	208	193	103	935
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
Average	67	190	185	219	216	142	1019

Twin Falls Project

1939	126	208	195	215	221	150	1115
1940	70	191	201	220	220	126	1028
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
Average	84	193	179	214	219	146	1035

Gooding Project

1939	31	76	69	79	75	53	383
1940	18	71	82	91	83	57	402
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
Average	18	73	75	90	84	61	401

The upper valley canal diversions were characterized by a very low use in May due to cold weather. This resulted in lower total diversions for the season than has been the case during the past several years. In the lower valley the diversions each month were equal to or in excess of normal resulting in total seasonal diversions appreciably above normal in that portion of the District.

RIVER DATA

Daily segregation of stored water and normal flow at the various gaging stations is shown on Plates 12-13. The computed losses between gaging stations as shown on these plates are based on the transmission loss schedule shown on Page 1 of this report.

The segregation of stored water and natural flow at the various gaging stations was made on the same basis used for many years past, and which has been described in detail in the annual reports prior to 1947.

The normal flow at the station on Snake River near Blackfoot was taken as 170 second-feet plus flow in Blackfoot River, after the 1900 priority rights were cut.

Stored water discharged past the Clough station during 1948 amounted to 53,350 second-feet or 105,800 acre-feet.

The inflow from Clough to Neeley is shown on Plate 11. Daily records are available on the Portneuf River at Pocatello and the Aberdeen wasteways. The flow of the various spring creeks was measured on or about May 11, June 7, 29, July 15, Aug. 9, Sept. 16, and the discharge interpolated on intervening days to get the figures shown on Plate 11. The unmeasured gain was taken as 1,310 second-feet but this figure was increased somewhat during rainy periods when irrigators on the Aberdeen and Fort Hall projects were wasting water from their farms.

The net gain from Neeley to Milner during the period of storage use by the Minidoka Project, July 7 to Sept. 20, amounting to 50,120 acre-feet, was credited to that project as part of its storage allotment.

STORED WATER DELIVERIES

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

1948 Allotment in Acre-feet (Downstream order from Heise)

<u>Canal</u>	<u>American Falls</u>		<u>Jackson Lake</u>	<u>Total</u>
	<u>Regular</u>	<u>Lease</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
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	-	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 Twin Falls Canal Company rented 15,563 acre-feet of its Jackson Lake storage to various individuals and canals in the upper valley. Details of these rentals are shown on Plates 14, 22 and 23. All of the rentals were made for 30¢ per acre-foot, measured in the reservoir.

Lower valley owners of Jackson Lake storage rights agreed that their water in Jackson Lake might be exchanged during 1948 for Government-owned American Falls storage water leased or rented in the upper valley. The total of such leases and rentals in the upper valley during 1948 amounted to 201,060 acre-feet.

The allotment from Lake Walcott was 94,020 acre-feet on July 7. In actual operation of the river Lake Walcott and American Falls reservoirs can be considered as a unit. Under this arrangement Lake Walcott is held up to fairly high levels for power production under present power demands and the Lake Walcott storage water is borrowed from American Falls reservoir and delivered to the Minidoka Project. Only in very dry years when there is no holdover water in American Falls to be used for such exchange does it become necessary to actually draw the stored water out of Lake Walcott. This operating arrangement does not damage anyone's water right or water supply but it does result in a greater power production at Minidoka dam than would be the case if the Minidoka Project was obliged each year to actually draw its Lake Walcott storage from that reservoir.

Discharge from Market Lake Springs during the period of storage use amounted to 1,091 acre-feet, which was delivered to the Kennedy Ditch for use by the Owners Mutual Irrigation Co. This represents

developed water that would otherwise escape westward under the desert north of Roberts, but by means of a canal is conveyed to Snake River northeast of Roberts.

The return flow from bank storage in American Falls reservoir during the period of storage drawdown was slightly greater (1,760 acre-feet) than reservoir losses during the same period, so there were no reservoir losses charged to storage owners in 1948.

Total stored water spilled past Milner after regulation began amounted to 36,101 acre-feet, of which 34,074 acre-feet was charged to the Idaho Power Company and the balance was classed as operation waste and leakage.

Total supply and disposal of stored water during the season was as follows:

Supply and disposal of stored water, 1948
(acre-feet)

Supply

Jackson Lake, July 6	849,020
American Falls, July 6	1,704,480
Lake Walcott, July 7	94,020
Grassy Lake, July 10	15,210
Henrys Lake, July 15	80,620
Island Park, July 9	133,590
Gain in American Falls Reservoir	1,760
Gain Neeley to Milner, July 7-Sept. 18*	50,120
Sheridan Creek right*	1,710
Market Lake Springs*	1,090
Unallotted gain Neeley to Milner after Sept. 18*	11,000
Idaho Power use from natural flow after regulation ceased*	<u>3,100</u>
Total	2,945,720

Disposal

Used by Snake River rights	1,702,367
Used by Henrys Fork rights	145,820
Transmission losses Snake River	52,050
Transmission losses Henrys Fork	4,190
Storage waste past Milner	2,030
Henrys Lake loss	2,580

Holdovers:

Jackson Lake, Sept. 18	223,050
American Falls, Sept. 19	630,080
Lake Walcott, Sept. 21	86,100
Island Park, Sept. 18	32,930
Henrys Lake, Sept. 18	52,480
Grassy Lake, Sept. 18	12,110

Total

2,945,787

*Natural flow handled on same basis as stored water for convenience in tabulation.

The following tabulation shows storage used from Jackson Lake and American Falls reservoirs during 1948. In preparing this table all upper valley canals were charged with 7.26% loss from reservoir to headgates. No American Falls reservoir loss was charged to lower valley canals.

Storage used during 1948 irrigation Season from Jackson Lake and American Falls Reservoirs (acre-feet)

	<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	50,185	46,540	101,221	93,876
Am. Falls Dist. #2	0	0	206,864	206,864
John E. Austin	50	46	0	0
Clara E. Austin	105	97	0	0
John H. Austin	0	0	36	34
Blackfoot	0	0	2,008	1,862
Burgess	5,120	4,749	14,839	13,762
Butte & Market Lake	0	0	8,458	7,844
Corbett	0	0	4,541	4,211
Dilts	0	0	1,335	1,238
Enterprise Canal Co.	6,100	5,658	15,309	14,195
Enterprise Irr. Dist.	0	0	12,310	11,415
Farmers Friend	2,000	1,855	0	0
Harrison	5,000	4,637	13,892	12,885
Idaho Irr. Dist.	0	0	19,635	18,208

Storage use - continued

	<u>Jackson Lake</u>		<u>American Falls</u>	
	<u>at Reservoir</u>	<u>at Headgate</u>	<u>at Reservoir</u>	<u>at Headgate</u>
Idaho Power Co.	0	0	34,074	34,074
Klussman	0	0	330	306
Lenroot	3,000	2,783	6,704	6,216
Lowder	0	0	0	0
Martin	1,500	1,391	2,801	2,598
Milner Low Lift	0	0	28,560	28,560
Minidoka Project (a)	183,268	183,268	50,000	50,000
New Sweden Dist.	5,000	4,637	34,710	32,190
No. Side Canal Co.	31,200	27,200	441,371	441,371
Owners Mutual	200	186	0	0
Peoples	8,000	7,419	47,529	44,080
Poplar Irr. Dist.	1,200	1,113	1,143	1,060
Progressive Dist.	0	0	19,456	18,041
Reid	0	0	1,352	1,254
Rudy	2,000	1,855	4,885	4,531
S. R. Valley Dist.	15,000	13,910	40,070	37,161
Sunnydell Dist.	6,066	5,625	0	0
Trego	0	0	407	377
Twin Falls Canal	9,000	7,850	123,158	123,158
Utah-Idaho Sugar Co.	0	0	14,159	13,129
Woodville	0	0	9,740	9,034
Miscell. rentals	5,563	5,158	11,803	10,955
Total	339,557	325,977	1,272,700	1,244,489

(a) Exchanged for American Falls after using up allotment for Lake Walcott and gain Neeley to Milner.

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, 1948
(Heise dates and 24-hr. sec.-ft. except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
Moran	37,666	166,880	188,250	153,340	73,243	619,379
Heise & Riley	461,793	644,490	366,990	265,049	165,990	1,904,312
Tot. gain s.f.	424,127	477,610	178,740	111,709	92,747	1,284,933
Mean gain s.f.	13,680	15,920	5,766	3,604	3,092	8,398
Tot. gain ac.ft.	841,244	947,326	354,526	221,571	183,961	2,548,628

The gain during June was slightly greater than during 1947 but the 1948 gain was noticeably less during the other months. During July,

August and September, 1948, the gain was 341,000 acre-feet less than during the same months in 1947, this being the cause of the greater storage draft by upper valley canals in 1948. The seasonal gain was 68% of the runoff at Heise compared to 73% in 1947.

Gain or Loss in Snake River, Heise to Shelley, 1948
((Heise dates and 24-hr. sec.-ft. except as noted)
Loss is -

Station	May	June	July	Aug.	Sept.	Season
Heise & Riley	461,793	644,490	366,990	265,049	165,990	1,904,312
Rexburg	134,310	124,350	42,050	42,872	46,830	390,412
Tot. Supply	596,103	768,840	409,040	307,921	212,820	2,294,724
Diversions	98,594	209,029	263,064	229,832	149,526	950,045
Shelley	489,210	576,300	171,020	111,840	90,620	1,438,990
Tot. Use	587,804	785,329	434,084	341,672	240,146	2,389,035
Tot. diff. s.f.	-8,299	16,489	25,044	33,751	27,326	94,311
Mean diff. s.f.	- 268	550	808	1,089	911	616
Tot.diff. ac.f.	-16,461	32,706	49,674	66,945	54,200	187,064

The gain for the season was about 20,000 acre-feet less than in 1947 due to loss in May and low gain in June, which in turn was the result of the May 1948 diversions being only about one-half of what they were in May 1947. The gain during the months July, August and September 1948, however, was 29,000 acre-feet greater than during the same months in 1947.

Gain or Loss in Snake River, Shelley to Blackfoot, 1948
(Shelley dates and 24-hr. sec.-ft. except as noted)
Loss is -

Station	May	June	July	Aug.	Sept.	Season
Shelley	481,410	584,100	176,720	112,860	90,340	1,445,430
Blackfoot R.	12,805	5,476	1,839	1,536	1,625	23,281
Tot. Supply	494,215	589,576	178,559	114,396	91,965	1,468,711
Diversions	53,306	87,755	109,277	86,518	57,635	394,491
Blackfoot	423,490	496,240	73,944	33,491	40,848	1,068,013
Tot. Use	476,796	583,995	183,221	120,009	98,483	1,462,504
Tot.diff.s.f.	-17,419	-5,581	4,662	5,613	6,518	-6,207
Mean diff.s.f.	- 562	- 186	150	181	217	- 41
Tot.diff.ac.f.	-34,550	-11,069	9,247	11,133	12,928	-12,311

Conditions in this section were much the same as in 1947: loss during the floodwater period in May and June and gain during the lower stages in July, August and September.

Gain or loss in Snake River, Blackfoot to Neeley, 1948
(Neeley dates and 24-hr. sec.-ft. except as noted)
Loss is -

Station	May	June	July	Aug.	Sept.	Season
Blackfoot	415,400	503,610	83,190	33,810	38,700	1,074,710
Inflow	103,520	85,470	83,200	83,830	84,350	440,370
Res. draft	-3,810	-2,820	207,330	228,250	90,010	518,960
Tot. supply	515,110	586,260	373,720	345,890	213,060	2,034,040
Neeley	504,990	579,200	366,100	349,400	218,530	2,018,220
Tot. diff. s.f.	-10,120	-7,060	-7,620	3,510	5,470	-15,820
Mean diff. s.f.	- 326	- 235	- 246	113	182	- 103
Tot. diff. ac.f.	-20,070	-14,000	-15,110	6,960	10,850	-31,370

During the period of storage release from American Falls Reservoir July 7 to September 18, the net gain amounted to 1,760 acre-feet, the return flow from bank storage being greater than reservoir losses by this amount.

Gain or Loss in Snake River, Neeley to Minidoka, 1948
(Minidoka dates and 24-hr. sec.-ft. except as noted)
Loss is -

Station	May	June	July	Aug.	Sept.	Season
Neeley	501,520	581,600	367,070	349,830	221,317	2,021,337
Walcott draft	-1,770	700	780	- 410	3,370	2,670
Total supply	499,750	582,300	367,850	349,420	224,687	2,024,007
N. Minidoka	44,239	41,520	50,780	43,520	25,304	205,363
S. Minidoka	32,629	34,261	40,640	38,010	22,266	167,806
Minidoka	425,050	506,550	272,110	266,780	178,890	1,649,380
Tot. acct. for	501,918	582,331	363,530	348,310	226,460	2,022,549
Tot. diff. s.f.	2,168	31	-4,320	-1,110	1,773	-1,458
Mean diff. s.f.	70	1	- 139	- 36	59	- 9
Tot. diff. ac.f.	4,300	61	-8,569	-2,201	3,516	-2,893

A gain occurred during May and June probably due to unmeasured tributary inflow. A loss occurred in July and August, while lowering the reservoir moderately in September caused a small gain during that month.

Gain in Snake River, Minidoka to Milner, 1948
(Milner dates and 24-hr. sec.-ft. except as noted)

Station	May	June	July	Aug.	Sept.	Season
Minidoka	421,600	509,000	274,230	266,920	182,260	1,654,010
P. A.	1,829	1,811	1,843	1,825	1,475	8,783
Milner Low Lift	5,242	4,872	5,841	6,057	4,307	26,319
Gooding	69,890	69,870	76,100	73,920	53,710	343,490
No. Side	68,130	72,950	79,980	79,330	55,414	355,804
So. Side	101,940	98,090	108,420	112,260	75,744	496,454

Gain Minidoka to Milner - continued

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
Milner	175,054	263,603	7,390	7,175	7,469	460,691
Tot. Use s.f.	422,085	511,196	279,574	280,567	198,119	1,691,541
Tot. gain s.f.	485	2,196	5,344	13,647	15,859	37,531
Mean gain s.f.	16	73	172	440	529	245
Tot. gain ac.f.	962	4,356	10,599	27,068	31,456	74,441

The net gain from Neeley to Milner during the period of storage use by the Minidoka Project July 7 to September 20, amounting to 50,120 acre-feet, was credited to that project as part of its storage allotment.

MISCELLANEOUS MEASUREMENT

<u>Stream</u>	<u>Location</u>	<u>Date</u>	<u>Discharge</u> (sec.-ft.)
Snake River	Below Parsons canal near Blackfoot	July 28	300

DISTRIBUTION ON HENRYS FORK

Melvin Luke again filled the position of Deputy Watermaster in the Henrys Fork area, except Teton basin, with headquarters in St. Anthony. All reservoirs were filled. Stored water release from Island Park began July 9, from Henrys Lake, July 15, and from Grassy Lake, July 27.

The segregation between stored water and normal flow at the outlets of these reservoirs was made on the same basis as in past years. Thirty second-feet was charged as Island Park Reservoir loss during the first three weeks after reservoir draft began, same being recovered from bank storage return for reservoir rights after mid-August.

Rights were cut as follows on Henrys Fork and Fall River:

July 9 Cut to 1900 priorities.
 " 11 Cut Nov. 5, 1895 rights
 Balance of time on Snake River schedule shown on pages 11 and 12.

Rights on Teton River were regulated as follows:

July 22	Cut to June 1, 1888
Aug. 18	Cut to June 1, 1885
" 19	Filled 40% June 1, 1885
Sept. 10	Filled 25% June 1, 1885

Water was carried thru the Cross Cut Canal to Teton River from July 13 to August 12 and August 18-30 as shown on Plate 23A. The average loss in this canal during the above period was about 15% compared to 10% loss that formerly existed before the sink holes in the canal developed a few years ago.

Users in the Island Park region were allotted and used 310 acre-feet of Fremont-Madison storage and also rented 449 acre-feet of storage from American Falls and Jackson Lake. A deputy was appointed to visit the gage on Sheridan Creek twice a week to see that the upper users let enough water go down to the lower users on that stream. This apparently resulted in a more satisfactory distribution of water on Sheridan Creek than has occurred in past years between occasional visits of a deputy from the Idaho Falls office.

Stored water allotments from Henrys Fork reservoirs in 1948 were as follows:

Henrys Lake Allotment

Contents July 15	80,624 acre-feet
Estimate dead storage and loss	<u>3,000</u> "
Available	77,624 acre-feet

Allotted as follows:

Dewey	1.43%	1,110 acre-feet
Last Chance	13.87	10,767 "
St. Anthony Union	6.8	5,278 "
Salem Union	24.2	18,785 "
Egin	6.8	5,278 "
Independent	26.8	20,803 "
Consolidated Farmers	<u>20.1</u>	<u>15,603</u> "
	100.0	77,624 acre-feet

The drop in contents of Henrys Lake from July 15 to September 18 amounted to 28,143 acre-feet. During the same period the stored water passing the outlet gaging station as computed from inflow-outflow measurements amounted to 25,567 acre-feet, leaving 2,576 acre-feet as the indicated loss in Henrys Lake. It is impossible, however, to accurately measure the inflow to Henrys Lake on account of the swampy condition along part of the east shore of the lake so these loss computations in Henrys Lake cannot be regarded as having a high degree of accuracy.

Fremont-Madison District Allotment

Island Park Reservoir, July 9	133,590 acre-feet
Grassy Lake, July 27	15,182 "
Sheridan Creek decree July 9 to Sept. 18	<u>1,714</u> "
Total	150,486 acre-feet

The District allotted 130,316 acre-feet of its stored water in 1948, leaving about 20,000 acre-feet unallotted. The above allotment includes a supplemental allotment of 15% (5,119 acre-feet) to canals that exhausted their regular allotment.

The storage balance for the season at the Rexburg gaging station was -6,790 second-feet or -13,468 acre-feet. This means that the Henrys Fork canals above Rexburg diverted 13,468 acre-feet of Snake River storage during 1948 by exchange for retained normal flow. They should have diverted:

Enterprise Irr. District	11,415 acre-feet
Canyon Creek Irr. District	1,113 "
Island Park users	<u>416</u> "
Total	12,944 acre-feet

The difference, or 524 acre-feet (Rexburg measurement), represents American Falls water remaining in Island Park at the end of the 1948 season.

Diversions during 1948 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	1,800	1,000	1.8
Marysville	30,800	15,000	2.1
Farmers Own	11,800	4,500	2.6
Enterprise	35,300	5,930	6.0
Bell	1,400	320	4.4
Fall R. & Chester	92,700 (a)	9,950	9.3
McBee	703	120	5.9
Silkey	4,400	680	6.5
Cur	7,350	1,500	4.9
Total Fall River	186,253	39,000	4.8
<u>Henrys Fork Canals</u>			
Dewey	4,560	1,000	4.6
Last Chance	17,400	1,840	9.4
St. Anthony Union	123,700	10,000	12.4
Farmers Friend	23,700	2,900	8.2
Twin Groves	28,600	2,500	11.4
Salem Union	51,800	5,200	9.9
Egin	79,300	6,000	13.2
St. Anthony Un. Feeder	21,000	2,000	10.5
Independent	70,000	7,000	10.0
Consolidated Farmers	52,400	6,000	8.7
Total Henrys Fork	472,460	44,440	10.6
<u>Lower Teton Canals</u>			
Siddoway	2,540	500	5.1
Wilford	27,700	2,000	13.8
Teton Irrigation	19,500	2,000	9.7
Good Luck	2,010	360	5.6
Pioneer	2,510	300	8.3
Stewart	3,640	370	9.8
Pincock-Byington	3,520	320	11.0
Pincock-Garner	3,580	400	8.9
Teton Isl. Feeder	74,800	10,400	7.2
North Salem	434	450	1.0
Roxana	3,720	720	5.2
Island Ward	7,130 (b)	3,000	2.4
Woodmansee-Johnson	3,660 (c)	1,000	3.7
City of Rexburg	6,690	1,200	5.6
Rexburg Irrigation	43,700	5,400	8.1
McCormick Rowe	495	150	3.3
Saurey-Sommers	3,130	600	5.2
Gardner	242	200	1.2
Eames-Thompson	121	20	6.0
Total lower Teton R.	209,122	29,320	7.1
Total Fall River, Henrys Fork & Lower Teton River	867,835	112,760	7.7

- (a) Includes 19,500 diverted thru Cross-Cut
- (b) Used some additional from Henrys Fork thru Consolidated Farmers Canal
- (c) Used some additional from Moody Creek and Teton Irr. Canal waste.

Total diversions were about 28,000 acre-feet less than a year ago. Stored water diverted by the above canals amounted to 137,315 acre-feet or 15.8% of the total diversions, compared to 8.6% in 1947.

Diversions by some of the more important canals in the head-water areas were as follows (May 15 to September 30):

Canal	Diversions (acre-feet)	Area (acres)	Acre-feet per acre
String Canal	7,380	2,000	3.7
Trail Cr. Irrig.	16,800	5,000	3.4
Fox Cr. Irrig.	8,000	3,765	2.1
Grand Teton	23,400	6,500	3.6
Canyon Creek	5,850	2,400	2.4
Conant Creek	2,710	2,000	1.4
Squirrel Creek	1,180	500	2.4

Gain in Henrys Fork Basin, 1948

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, 1948

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

Station	May	June	July	Aug.	Sept.	Season
Lake	1,253	4,239	5,423	6,836	4,809	22,560
I. P. release	- 40	81	24,515	19,577	7,114	51,247
Total Supply	1,213	4,320	29,938	26,413	11,923	73,807

Gain in Henrys Fork, Lake to Island Park, 1948 - continued

Station	May	June	July	Aug.	Sept.	Season
Island Park	30,028	25,572	44,194	40,671	26,027	166,492
Tot. gain s.f.	28,815	21,252	14,256	14,258	14,104	92,685
Mean gain s.f.	930	708	460	460	470	606
Tot. gain ac.f.	57,154	42,153	28,277	28,281	27,975	183,840

The gain for the season was about 20,000 acre-feet less than in 1947 due to lower gain during May and June. The gain during July, August and September was about the same as a year ago.

Gain in Henrys Fork, Island Park to Warm River, 1948

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

Station	May	June	July	Aug.	Sept.	Season
Island Park	29,854	25,762	43,519	41,044	26,463	166,642
Warm River	49,750	40,300	56,920	52,860	38,021	237,851
Tot. gain s.f.	19,896	14,538	13,401	11,816	11,558	71,209
Mean gain s.f.	642	485	432	381	385	465
Tot. gain ac.f.	39,463	28,836	26,580	23,436	22,925	141,240

The gain in this section was practically the same as in 1947.

Gain in Henrys Fork, Warm River to Ashton, 1948

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

Station	May	June	July	Aug.	Sept.	Season
Warm River	49,738	40,377	56,699	52,993	38,174	237,981
Ashton	81,150	57,900	68,790	63,330	46,250	317,420
Tot. gain s.f.	31,412	17,523	12,091	10,337	8,076	79,439
Mean gain s.f.	1,013	584	390	333	269	519
Tot. gain ac.f.	62,305	34,756	23,982	20,503	16,019	157,565

The gain for the season was 13,000 acre-feet greater than in 1947 due to greater gain during May.

Loss or gain in Henrys Fork, Ashton to St. Anthony, 1948

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

Station	May	June	July	Aug.	Sept.	Season
Ashton	81,069	58,127	68,532	63,505	46,408	317,641
Chester	66,868	68,048	8,027	4,286	6,140	153,369
Total supply	147,937	126,175	76,559	67,791	52,548	471,010

Loss or gain in Henrys Fork, Ashton to St. Anthony (continued)

Station	May	June	July	Aug.	Sept.	Season
Diversions	25,541	32,677	35,907	30,309	16,625	141,059
St. Anthony	119,570	89,140	40,834	40,360	39,900	329,804
Tot. acct. for	145,111	121,817	76,741	70,669	56,525	470,863
Tot. gain s.f.	-2,826	-4,358	182	2,878	3,977	- 147
Mean gain s.f.	- 91	- 145	6	93	133	- 1
Tot. gain ac.f.	-5,605	-8,644	361	5,708	7,888	- 292

The average loss for the season of 1 second-foot is about the same as average loss of 4 second-feet a year ago.

Gain in Fall River, Squirrel to Chester, 1948

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

Station	May	June	July	Aug.	Sept.	Season
Squirrel	57,799	74,780	22,030	15,934	15,652	186,195
Diversions	6,602	19,426	16,947	13,397	11,273	67,645
Chester	67,250	67,640	7,818	4,291	6,191	153,190
Tot. acct. for	73,852	87,066	24,765	17,688	17,464	220,835
Tot. gain s.f.	16,053	12,286	2,735	1,754	1,812	34,640
Mean gain s.f.	518	410	88	57	60	227
Tot. gain ac.f.	31,841	24,369	5,425	3,479	3,594	68,708

The gain in this section was about double that in 1947, mostly due to greater gain in May and June.

Gain in Teton River, Tetonia to St. Anthony, 1948

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

Station	May	June	July	Aug.	Sept.	Season
Tetonia	18,247	29,319	17,768	11,585	9,063	85,982
St. Anthony	54,518	64,060	30,289	21,096	15,953	185,916
Tot. gain s.f.	36,271	34,741	12,521	9,511	6,890	99,934
Mean gain s.f.	1,170	1,158	404	307	230	653
Tot. gain ac.f.	71,943	68,908	24,835	18,865	13,666	198,217

The seasonal gain was about 25,000 acre-feet greater than a year ago due to greater May-June gain.

Gain in Henrys Fork and Teton River, St. Anthony to Rexburg, 1948

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

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
Teton River	54,518	64,060	30,289	21,096	15,953	185,916
St. Anthony	118,875	90,345	40,989	40,400	39,955	330,564
Total supply	173,393	154,405	71,278	61,496	55,908	516,480
H. Fork diver.	27,067	28,587	24,525	19,610	12,598	112,387
Teton diver.	13,306	31,527	27,165	20,120	13,170	105,288
Rexburg	134,310	124,350	42,050	42,872	46,830	390,412
Tot. acct. for	174,683	184,464	93,740	82,602	72,598	608,087
Tot. gain s.f.	1,290	30,059	22,462	21,106	16,690	91,607
Mean gain s.f.	42	1,002	725	681	556	599
Tot. gain ac.f.	2,558	59,621	44,552	41,863	33,105	181,699

The seasonal gain was about 14,000 acre-feet greater than a year ago.

Miscellaneous Measurements in Henrys Fork Basin

<u>Date</u>	<u>Stream</u>	<u>Discharge</u>
July 6, 1948	Big Springs at source, Island Park	182 sec.-ft.
June 14	Stanley Loosli pump on Black Springs Cr. nr. Ashton	4.2 sec.-ft.

TETON BASIN

Mr. Dean Hill again filled the position of deputy watermaster in Teton Basin. Water supply was slightly above normal and no unusual problems arose in connection with distribution of water in that section.

Storage water charged to Teton Basin users was on the basis of 1.75 acre-feet diverted for each acre-foot delivered at the St. Anthony gaging station above lower Teton River diversions. Prior to July 22 the storage water used in Teton Basin was credited to Snake River and after that date to the users on the lower Teton River who would have received the water if it had been allowed to flow down the stream. Teton basin users were allotted 7,338 acre-feet of

Fremont-Madison storage water of which 663 acre-feet was a supplemental allotment to several canals that had exhausted their regular allotment and were allowed an additional 15% to cover their share of unallocated District water. Considering Teton basin as a whole the canals diverted 10,795 acre-feet of storage which, allowing for River and Cross-Cut losses and the 1.75 to 1 delivery ratio, would be equivalent to 7,466 acre-feet in the reservoirs compared to total reservoir rights, including rentals, of 8,333 acre-feet. The slight difference between these figures would indicate that in some future years some of the Teton Basin canals may find themselves in need of more storage than they now own. Detailed records of storage use and stream flow in Teton Basin are shown on Plates 23 and 24.

Interstate regulation on Teton Creek in accordance with the Wyoming court decree was made as follows by T. Ross Wilson for Wyoming and J. Dean Hill for Idaho:

<u>Discharge figures in second-feet</u>							% Wyo. Decrees filled
Date	Waddell	Central	North Side	South Side	Grand Teton	Total	
July 17 before reg.	14.0	18.2	32.4	29.1	49.0	142.7	
do after reg.	7.2	11.6	30.9	29.1	63.9	142.7	100%
July 21 before reg. ^{a/}	6.2	11.1	27.8	21.3	41.2	107.6	84%
July 27 before reg.	4.1	9.3	21.4	15.5	25.7	76.0	
do after reg.	3.5	5.6	14.9	14.0	38.0	76.0	48%
Aug. 2 before reg.	3.2	4.5	12.7	11.7	26.7	58.8	
do after reg.	2.7	4.3	11.5	10.9	29.4	58.8	37%
Aug. 5 before reg.	3.1	4.0	10.9	10.3	28.0	56.3	
do after reg.	2.6	4.1	11.0	10.4	28.2	56.3	36%
Aug. 9 before reg.	2.8	3.1	9.8	9.7	21.0	46.4	
do after reg.	2.1	3.4	9.1	8.6	23.2	46.4	29%
Aug. 12 before reg.	2.0	2.9	8.8	8.7	19.2	41.6	
do after reg.	1.9	3.1	8.1	7.7	20.8	41.6	26%
Aug. 19 before reg.	1.6	2.3	7.6	6.8	16.0	34.3	
do after reg.	1.6	2.5	6.7	6.3	17.2	34.3	22%
Aug. 26 before reg.	1.8	2.0	5.8	5.6	11.8	27.0	
do after reg. ^{b/}	1.2	1.5	6.2	4.6	13.5	27.0	16%
Aug. 30 before reg.	1.5	1.5	5.8	4.4	11.8	25.0	
do after reg.	1.1	1.4	5.7	4.3	12.5	25.0	15%

a/ No regulation. Supply over 90 sec.-ft.

b/ 2 s.f. of Central decree transferred to North Side.
5.6 second-feet of previously omitted decree added to
North Side total.

No special tests of loss in Trail Creek were made during the year. There has been no action taken by the waterusers on the recommendation of the State Reclamation Engineer which was printed in the 1947 annual report of District 36, and therefore the exchange ratio in use for the preceding three years was continued during 1948.

The following loss measurement was made on a section of Spring Creek, south of Tetonia, on September 1, 1948:

at Forks of Creek south of Tetonia	5.72 sec.ft.
at Breckenridge headgate on Spring Creek	4.63 "
Loss	1.09 " or 19%

Discharge of West Side Creeks above Diversions in second-feet
1948

<u>Stream</u>	<u>June 30</u> <u>Discharge</u>	<u>July 30</u> <u>Discharge</u>	<u>August 19</u> <u>Discharge</u>
Packsaddle	9.3	1.4	1.3
Horseshoe	15.3	6.3	4.2
No. Twin	3.0		0.1
Middle Twin	0.5		0
So. Twin	0.4		0
Mahogany	14.5		5.1
Paradise	4.8		2.8
Bouquet	0.7		0.2
Patterson	4.5		0.4
X Creek	2.0		1.3
Grove Creek	2.8		0.7
Warm Springs	1.1		0.7
Drake	1.4		0.6
Johns	3.0		0.5
Deep	0.5		0.2
Pine			0.2
Warm Creek			5.7

DISTRIBUTION IN SWAN VALLEY SECTION

Mr. George Weeks was appointed as deputy watermaster in this region, acting also as watermaster on the local canals, for which service the local users paid \$2.25 per day of his salary.

Swan Valley users rented 2,220 acre-feet of storage which was exchanged for the flow of the various creeks from which diversions were made.

PRECIPITATION IN INCHES

(Actual and normal for year ending September 30, 1948)

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.	1.06	2.01	0.88	1.59	0.66	1.19	1.55	1.56	1.05	1.26
Nov.	5.07	2.69	2.99	1.78	1.43	1.04	4.10	1.43	2.34	1.15
Dec.	2.82	3.01	1.04	1.95	.54	1.53	.99	1.69	.81	1.25
Jan.	2.95	4.10	2.28	2.31	1.39	1.62	1.29	1.97	.54	1.42
Feb.	4.27	2.90	2.51	2.23	1.10	1.57	1.31	1.77	.99	1.15
Mar.	3.65	3.29	1.69	2.08	.67	1.32	1.46	1.74	1.07	1.14
Apr.	3.78	2.19	2.04	1.77	2.31	1.35	2.58	1.61	2.67	1.06
May	2.42	2.37	1.07	1.87	.65	1.76	1.95	2.01	.80	1.67
June	2.53	2.45	1.88	1.83	2.33	1.35	4.38	1.72	3.59	1.53
July	1.54	1.48	1.11	1.21	.28	.92	.27	.97	.28	.97
Aug.	1.25	1.58	.43	1.40	.76	1.43	.86	1.16	.46	.87
Sept.	1.76	1.69	1.27	1.65	.99	1.48	1.51	1.26	1.91	1.18
Year	33.10	29.76	19.19	21.67	13.11	16.56	22.25	18.89	16.51	14.65

Month	<u>Ashton</u>		<u>Idaho Falls</u>		<u>Pocatello</u>		<u>Twin Falls</u>		<u>Av. 9 Stas.</u>	
	<u>Act.</u>	<u>Nor.</u>	<u>Act.</u>	<u>Nor.</u>	<u>Act.</u>	<u>Nor.</u>	<u>Act.</u>	<u>Nor.</u>	<u>Act.</u>	<u>Nor.</u>
Oct.	1.07	1.28	0.26	.98	0.83	1.68	0.62	0.91	0.89	1.38
Nov.	3.36	1.30	1.08	.79	1.32	1.03	1.20	1.08	2.55	1.36
Dec.	1.76	1.64	.99	1.06	1.14	1.15	0.43	.90	1.17	1.58
Jan.	1.06	1.88	.06	1.31	.80	1.34	.85	1.10	1.25	1.90
Feb.	2.08	1.52	.29	.97	.73	1.24	.50	.88	1.53	1.58
Mar.	1.37	1.21	.17	1.08	1.41	1.28	.34	.85	1.32	1.55
Apr.	.50	1.16	.96	.94	1.51	1.47	.53	1.11	1.87	1.41
May	1.44	1.71	.57	1.24	.93	1.73	.29	1.03	1.12	1.71
June	2.45	1.66	2.38	1.21	2.47	1.09	.72	.81	2.52	1.52
July	.85	.94	.14	.62	.01	.77	.34	.35	0.53	.91
Aug.	1.24	.79	.53	.59	.34	.50	T	.22	.65	.95
Sept.	2.43	1.12	1.33	.82	1.39	.74	3.25	.57	1.76	1.17
Year	19.61	16.21	8.76	11.61	12.88	14.02	9.07	9.81	17.16	17.02

The precipitation was generally above normal in November, April, June, and September and generally below normal the remaining months

altho there were some local variations at different points. For the year as a whole the average precipitation at the nine stations was just about normal.

EXPENDITURES DURING YEAR ENDING DECEMBER 31, 1948

Engineers and Hydrographers

Lynn Crandall	Salary 1 year	\$7,315.43
Henry C. Eagle	" 1 year	5,024.30
Melvin Luke	" 5 months @ \$280.00	1,400.00
Oleen Dummer	" 3.67 " @ \$230.00	843.29
A. H. Bush	" 3.35 " @ \$230.00	771.61
J. Dean Hill	" 3.17 " @ \$230.00	728.32

Clerk

Charlotte M. Elg	Salary 1 year	2,763.23
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River Riders

D. R. Anthony	82 days @ \$8.50 incl. mileage	697.00
H. M. Bramwell	82 " @ \$8.50 " "	697.00
D. W. Dick	37 " @ \$9.50 " "	351.50
Eugene Liljenquist	81 " @ \$8.00 " "	
	(pd. \$6 extra on July 13)	654.00
George Weeks	72 days @ \$8.50 incl. mileage	612.00
Elmer Lenz	2.31 mos. @ \$60.00 mo. " "	138.58
Joe Bohi	79 days @ \$9.00 incl. " "	711.00
Don Riggs	79 " @ \$8.50 " "	671.50
Seth Hansen	22 hrs. @ \$2.00 hr. " "	44.00
Thos. W. Stoddard	15 days @ \$6.00 " "	90.00

Miscellaneous

Transportation, 3,315 miles @ 6¢ a mile	198.90
Transportation, 36,783 miles @ 7¢ a mile	2,574.81
Telephone and Telegraph	330.01
Supplies and Equipment	1,025.36
Gage Readers	693.63
Construction and Repairs	377.58
Bond Premium and Insurance	111.60
Miscellaneous	877.36
John Lee, Sec'y, Com. of Nine, Salary & Expense	730.09

Total

\$30,432.10

Expenditures from various funds

Water-users funds	
State of Idaho Stream Gaging Fund	\$18,194.55
U. S. Geological Survey	2,500.00
	<u>9,737.55</u>
Total	\$30,432.10

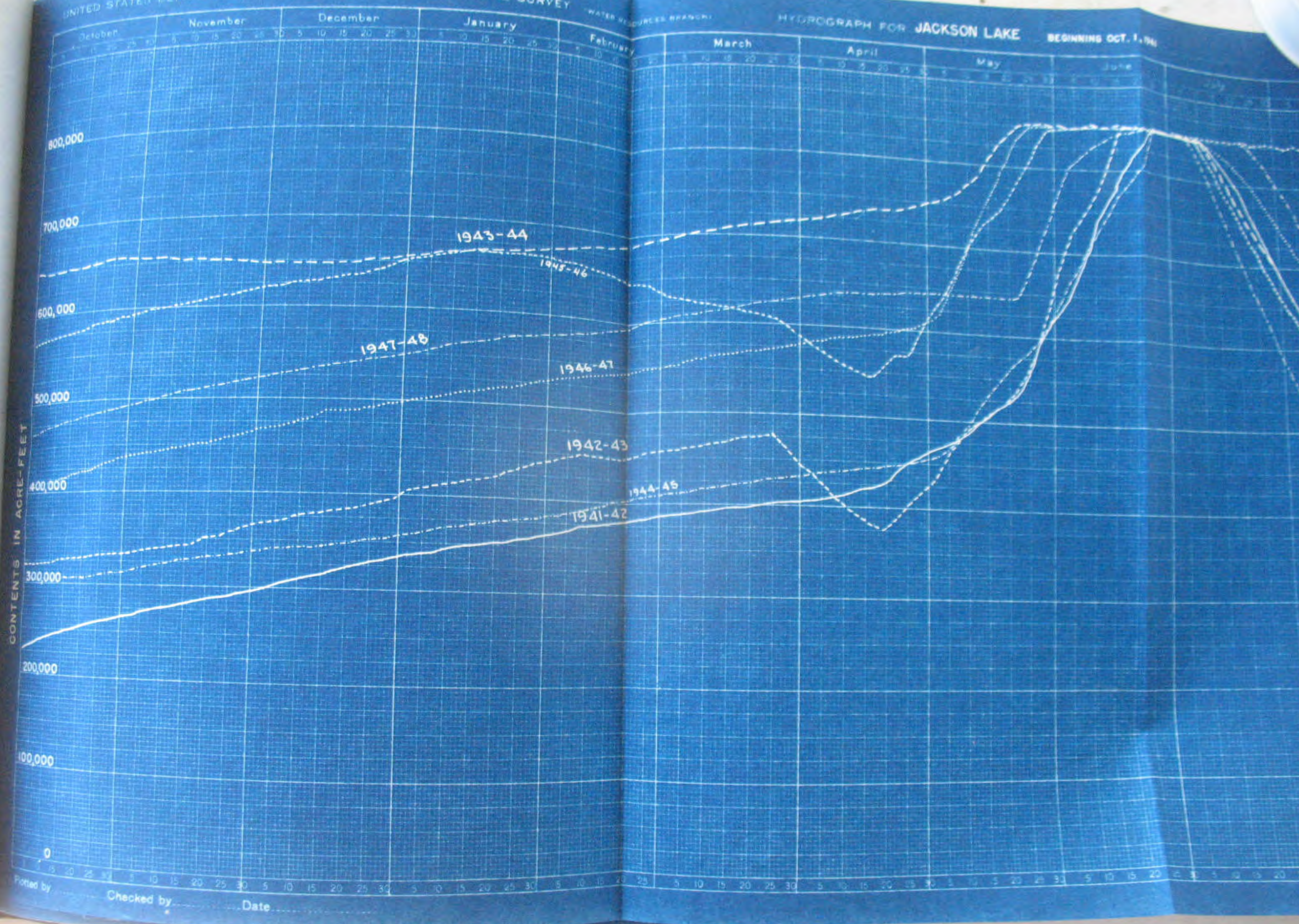
In addition to the foregoing, upper valley members of the Committee of Nine were paid \$1,309.80 for services, at \$5.00 per day to March 31, \$10.00 per day from April 1, and expenses, which was pro-rated among upper valley canals.

Funds on Hand January 1, 1949

District #36 Water Distribution Fund	\$ 7,766.68
State of Idaho Stream Gaging Fund	1,250.00
U. S. Geological Survey	<u>2,528.65</u>
Total	\$11,545.33

PRINCIPAL STREAMS AND GAGING STATIONS WATER DISTRICT NO. 36



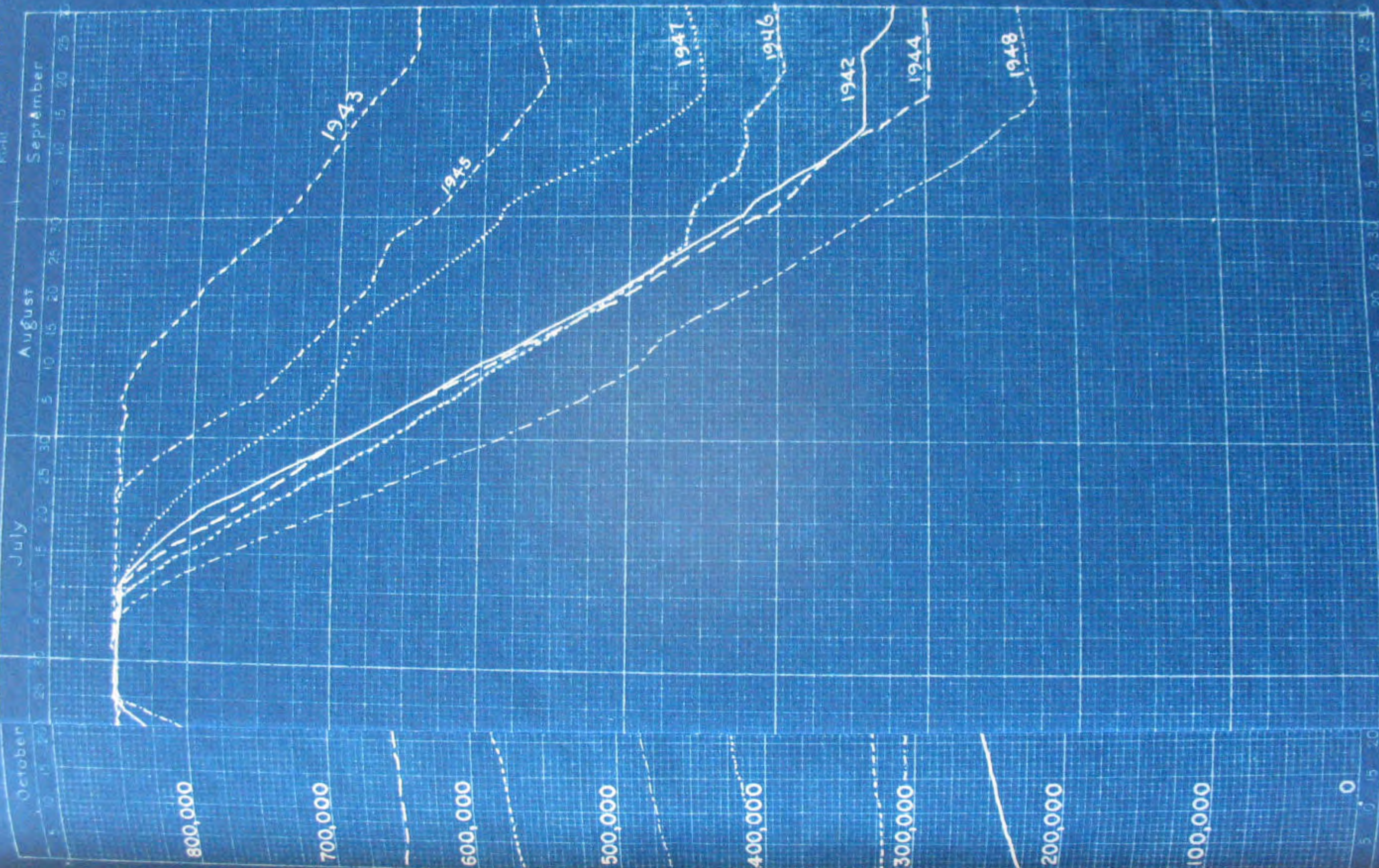


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Date _____

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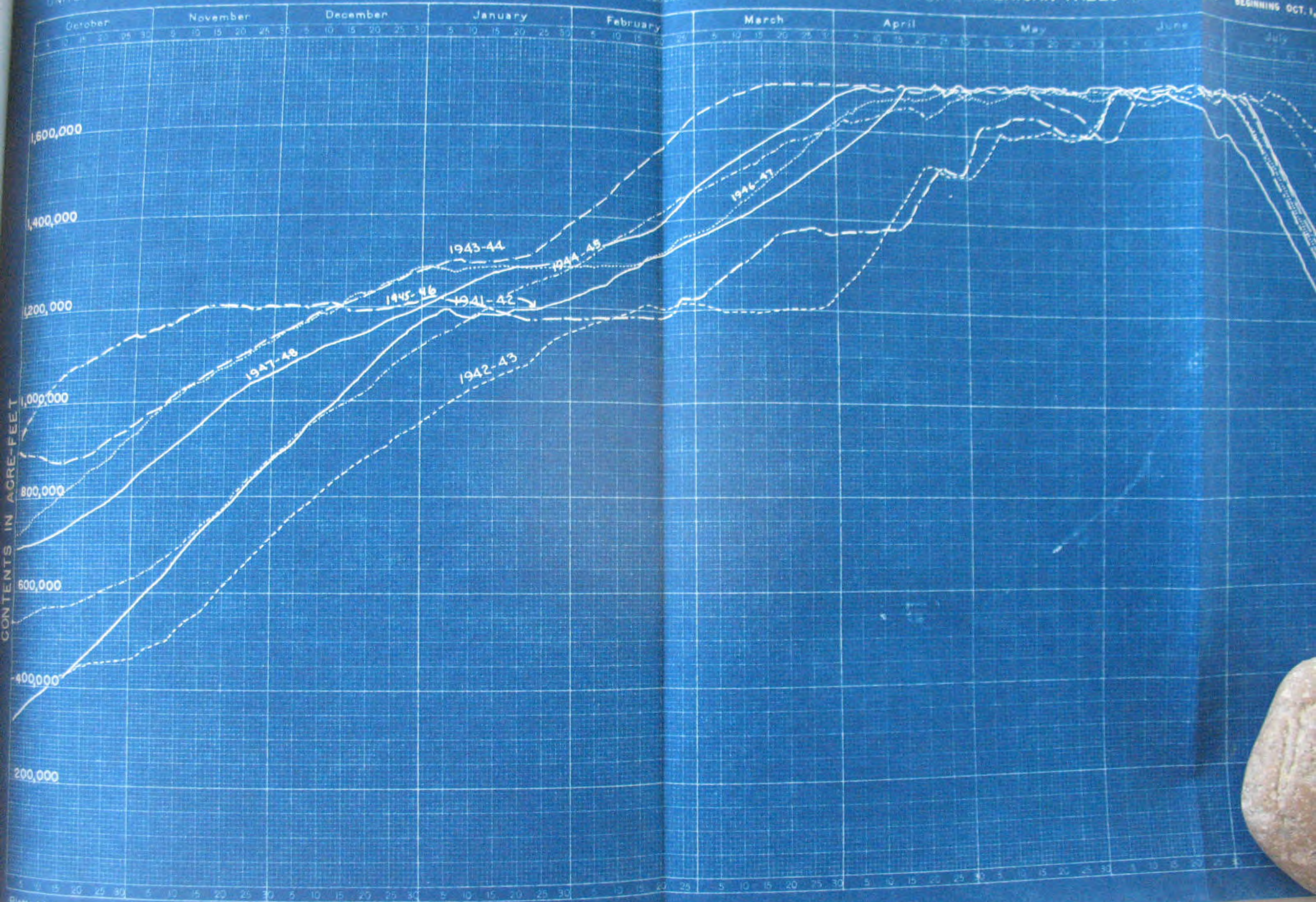
UNITED STATES

PLATE NO. 2



CONTENTS IN ACRE-FEET

Plotted by



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2791 Sept 13

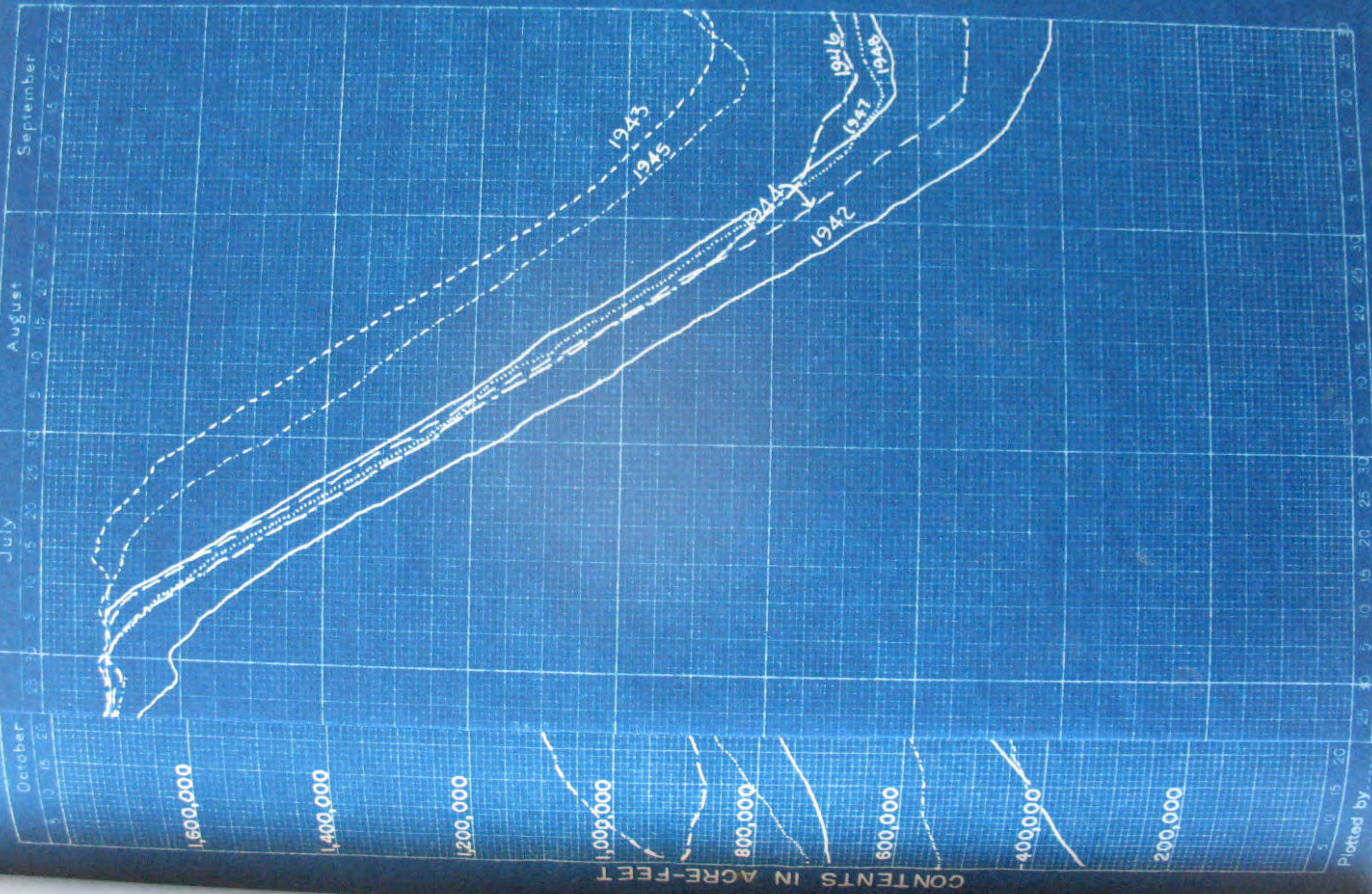
JOIR BEGINNING OCT. 1, 1941

UNITED STATES

Weather Bureau

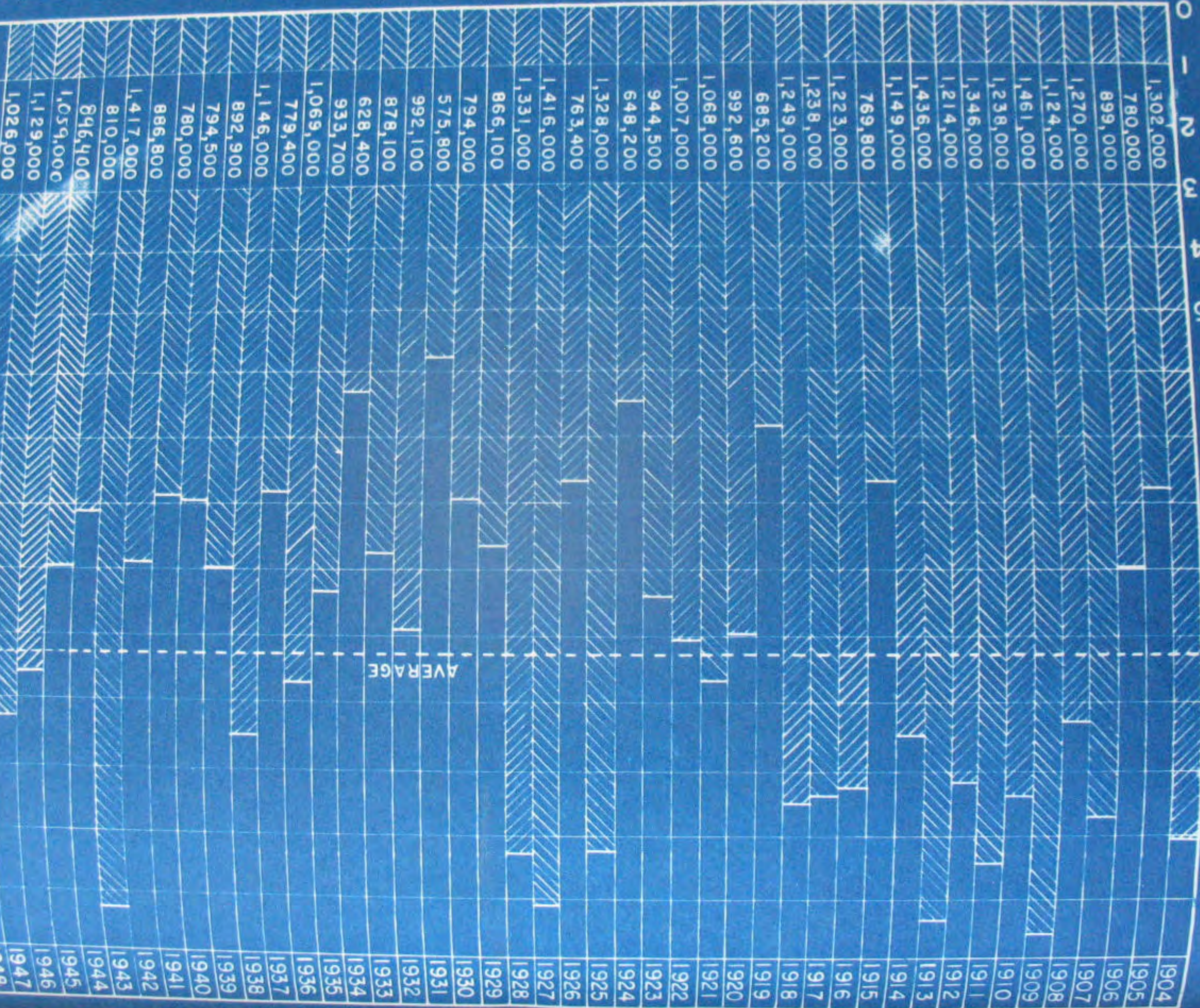
El Paso, N.M.

PLATE NO. 3



Plotted by

RUNOFF IN HUNDREDS OF THOUSANDS OF ACRES-FEET



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

[illegible][illegible]

DAILY DISCHARGE IN SECOND-FOOT OF SNAKE RIVER CANALS		JUNE 1948		TOTAL	
NAME OF CANAL		DATE		TOTAL	
RILEY	27	35	35	35	35
ANDERSON	27	35	35	35	35
EAGLE ROCK	343	343	343	343	343
FARMERS FRIEND	415	432	450	450	450
ENTERPRISE	195	201	200	190	180
HEISE	195	201	200	190	180
NELSON	1	1	1	1	1
MATSON & CRAIG	12	11	11	12	12
ARNESBERGER	12	11	11	12	12
BUTLER ISLAND	45	45	47	49	53
ROSS & RAND	2	1	1	1	1
STEELE	8	7	7	7	7
HARRISON	446	443	440	437	434
CHENEY	446	443	440	437	434
BOOMER	8	8	8	9	9
RUDY	152	152	170	180	200
KITE & NORD	30	30	30	30	30
BURGESS	5	5	5	5	5
CLARK & EDWARDS	746	770	718	740	762
POWDER & JENNINGS	30	30	40	52	56
EAST LABELLE	80	5	5	5	5
SUNNYDELL	123	144	143	139	139
LENHOUT	117	137	115	109	107
REID	139	129	110	93	126
TEXAS FEEDER	2	2	2	2	2
NELSON COREY	12	12	13	14	14
HILL PETTINGER	4	2	2	2	2
RIGBY	173	147	173	177	185
ISLAND	173	147	173	177	185
DILTS	177	128	106	123	148
WEST LABELLE & LONG ISLAND	400	408	400	400	400
PARKS & LEWISVILLE	331	314	326	336	295
NORTH RIGBY	53	53	53	53	53
ELIS	4	4	4	4	4
BRAMWELL	6	6	6	6	6
BUTTE & MARKET LAKE	454	413	451	449	445
OSGOOD	103	103	103	103	103
BEAR ISLAND & SMITH	5	5	5	5	5
KENNEDY	43	50	51	51	51
IDAHO	963	939	901	839	839
GREAT WESTERN	429	434	448	449	448
PORTER	217	250	241	241	250
WOODVILLE	88	86	88	82	85
COY & KELLER	632	632	609	546	542
SNAKE RIVER VALLEY	632	632	609	546	542
TOTAL HEISE TO SHELLEY	746	730	744	744	744
RESERVATION	182	100	96	92	90
BLACKFOOT	419	443	440	400	288
NEW LAVA SIDE	419	443	440	400	288
PEOPLES	171	113	83	76	69
ABERDEEN-SPRINGFIELD	137	118	492	519	521
CORBETT	1250	1250	1200	1200	1200
NIELSEN-HANSEN	145	184	157	141	157
RIVERSIDE	14	8	2	2	2
DANSKIN	111	112	113	113	113
TRAGO	219	232	244	199	200
WEAVERICK	54	62	56	61	62
WATSON	77	75	73	71	71
LARSONS	138	138	139	141	121
TOTAL SHELLEY TO CLOUGH	2985	2985	2985	2985	2985

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	TOTAL
RILEY	34	28	7	7	19	17	19	27	30	31	30	34	35	34	29	29	27	27	27	27	27	27	27	27	27	790
ANDERSON	387	388	387	380	452	450	460	462	484	480	480	481	482	511	528	484	520	521	521	521	521	521	521	521	521	521
EAGLE ROCK	56	55	55	50	47	189	358	373	388	630	630	607	607	643	643	650	650	650	650	650	650	650	650	650	650	650
FARMERS FRIEND	184	287	165	160	155	145	353	394	357	400	385	398	394	402	378	382	354	398	398	403	396	394	394	394	394	394
ENTERPRISE	60	87	88	84	80	67	128	194	195	201	184	186	186	221	146	151	128	154	154	156	168	168	168	168	168	168
HEISE	2	4	4	3	3	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
NELSON	2	4	4	3	3	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
MATSON & CRAIG	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
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
BUTLER ISLAND	47	48	47	47	47	47	52	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
ROSS & RAND	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
STEELE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
HARRISON	222	200	296	360	426	470	466	520	542	546	550	546	556	546	550	546	556	556	556	556	556	556	556	556	556	556
CHENEY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BOOMER	190	214	208	205	202	131	138	157	164	162	159	156	154	159	156	152	138	155	152	149	147	144	148	148	148	148
RUDY	25	35	35	35	45	56	56	57	56	57	54	53	52	59	58	64	52	59	56	59	59	59	59	59	59	59
KITE & NORD	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BURGESS	550	653	547	655	710	810	810	906	916	907	938	938	942	934	934	904	904	904	904	904	904	904	904	904	904	904
CLARK & EDWARDS	82	68	70	68	57	67	62	60	58	68	72	72	72	71	71	71	70	70	70	70	70	70	70	70	70	70
COWDER & JENNINGS	40	47	40	36	31	44	44	44	44	44	52	53	54	55	55	54	54	54	54	54	54	54	54	54	54	54
EAST LABELLE	80	80	78	70	62	79	87	116	117	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122
SUNNYDELL	135	134	77	75	72	1																				

DAILY DISCHARGE IN SECOND-FOOT OF SNAKE RIVER CANALS AUGUST 1948

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	516	512	518	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	389	
ANDERSON	645	639	650	668	667	659	607	575	390	392	394	434	520	513	472	436	440	418	396	471	475	466	458	454	456	423	418	402	380	405	392	1563
EAGLE ROCK	385	389	348	391	392	369	362	355	362	314	416	295	280	350	373	367	350	322	342	359	346	360	355	355	327	319	316	306	312	299	277	14250
FARMERS FRIEND	147	146	146	146	138	137	135	0	0	0	139	140	112	117	112	0	0	101	178	172	146	135	0	0	143	140	132	136	140	0	10172	
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	2890	
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	7	
NELSON	11	11	11	12	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	276	
MATSON & 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	1	
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	28	
BUTLER ISLAND	57	56	55	55	55	54	55	56	47	48	46	46	47	43	49	48	47	46	46	46	46	46	46	46	46	46	46	46	46	46	46	1471
ROSS & RAND	7	7	7	6	5	5	5	5	6	7	7	7	7	8	8	8	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	175
STEELE	6	6	5	5	5	5	5	5	6	7	7	7	7	8	8	8	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	208
HARRISON	473	473	458	468	466	460	470	440	436	385	385	361	373	385	385	385	385	385	385	385	385	385	385	385	385	385	385	385	385	385	385	12552
CHENEY	7	6	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	205
BOOMER	164	164	162	161	161	161	164	147	147	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	3940
RUDY	55	56	55	56	56	55	56	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	1217
KITE & NORD	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	150
BURGESS	900	865	882	855	856	828	841	841	748	619	680	745	710	718	722	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	23477
CLARK & EDWARDS	68	68	67	67	66	72	71	71	70	70	69	67	70	72	72	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	2155
TOWER & 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	825
EAST LABELLE	116	115	114	109	115	125	125	124	124	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	3540
SUNNYDELL	135	127	124	122	111	115	117	97	93	87	87	102	100	92	104	131	134	125	132	127	127	107	108	105	130	119	95	93	95	93	93	3431
LENROOT	105	111	103	93	94	94	88	106	106	107	90	45	63	51	75	113	116	119	119	119	119	119	119	119	119	119	119	119	119	119	119	3049
REID	156	163	161	146	151	113	110	104	130	113	124	92	80	10	68	132	152	136	154	154	154	154	154	154	154	154	154	154	154	154	154	3827
TEXAS FEEDER	245	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	5666
NELSON COREY	12	7	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	181
HILL PETTINGER	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74
RIGBY	176	170	168	167	164	169	169	169	169	169	167	167	168	155	169	164	172	175	170	165	159	163	162	165	170	167	164	166	166	167	171	5176
ISLAND	167	94	95	86	97	152	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	3606
DILTS	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	688
WEST LABELLE & LONG ISLAND	500	505	510	491	497	486	483	486	491	505	489	435	402	400	410	437	425	418	435	456	440	464	427	432	427	421	414	405	410	416	410	13917
PARKS & LEWISVILLE	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	10318
NORTH RIGBY	49	48	48	47	47	47	47	46	47	46	47	46	47	46	47	46	47	46	47	46	47	46	47	46	47	46	47	46	47	46	46	1493
WHITE	4	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40
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	152
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	277
BUTTE & MARKET LAKE	360	367	323	328	328	328	282	282	282	282	282	251	249	236	234	254	260	256	240	232	235	204	152	104	199	199	198	198	197	197	197	7969
OSGOOD	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	3572
BEAR ISLAND & SMITH	2	3	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	1419
KENNEDY	48	46	44	45	48	50	53	54	56	55	51	48	44	46	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	1419
IDAHO	1250	1250	1280	1250	1250	1250	1180	1180	1120	966	951	855	849	1000	994	991	988	985	982	982	982	979	979	979	976	976	976	976	976	976	976	32033
GREAT WESTERN	560	558	562	565	565	565	565	565	565	565	565	565	565	565	565	565	565	565	565	565	565	565	565	565	565	565	565	565	565	565	565	1504
PORTER	358	353	328	304	299	296	284	271	259	245	231	202	172	180	190	201	216	227	248	246	244	244	244	244	244	244	244	244	244	244	244	7822
COY & KELLER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	20
WOODVILLE	76	76	75	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	2235
SNAKE RIVER VALLEY	708	706	691	671	617	587	565	529	486	475	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	444	16022
TOTAL HEISE TO SHELLEY	6009	6854	6805	670	6590	8423	8140	7917	7383	6802	6496	6673	6611	6773	7127	7333	7314	7351	7372	7438	7178	7193	7094	6865	6774	6794	6794	6794	6794	6794	6794	229832
RESERVATION	196	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4639
BLACKFOOT	393	401	336	364	348	348	300	115	171	174	174	171	174	171	174	171	174	171	174	171	174	171	174	171	174	171	174	171	174	171	174	8343
NEW LAVA SIDE	177	164	163	168	144	153	140	152	173	143	127	125	161	139	162																	

DAILY DISCHARGE IN SECOND-FOOT OF SNAKE RIVER CANALS SEPTEMBER 1948

NAME OF CANAL	1												TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	
BILEY	341	386	412	394	397	397	397	397	397	397	397	397	410
ANDERSON	386	384	502	524	502	498	491	542	551	460	424	401	9937
EAGLE ROCK	272	269	271	266	263	269	304	353	311	343	312	264	5549
FARMERS FRIEND	0	0	84	81	130	0	0	0	0	0	0	0	903
ENTERPRISE	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
NELSON	0	0	0	0	0	0	0	0	0	0	0	0	0
MATSON & CRAIG	9	9	8	8	8	8	8	8	8	8	8	8	181
ARNISBERGER	3	3	4	3	2	3	3	3	3	3	3	3	20
BUTLER ISLAND	44	44	44	44	44	44	44	44	44	44	44	44	1063
ROSS & RAND	5	5	5	5	5	5	5	5	5	5	5	5	101
STEELE	7	7	6	7	6	6	6	6	6	6	6	6	115
HARRISON	273	273	281	278	278	278	278	278	278	278	278	278	5574
CHENEY	7	7	7	7	7	7	7	7	7	7	7	7	104
BOOMER	133	130	124	147	141	152	152	147	145	141	141	141	2843
RUDY	40	40	41	45	49	46	46	46	46	46	46	46	894
KITE & NORD	5	5	5	5	5	5	5	5	5	5	5	5	77
BURGESS	632	624	628	628	628	628	628	628	628	628	628	628	15419
CLARK & EDWARDS	68	68	68	68	68	68	68	68	68	68	68	68	1666
LOWDER & JENNINGS	48	48	48	35	34	0	0	0	0	0	0	0	602
EAST LABELLE	76	48	49	129	125	118	125	118	125	118	125	118	2245
SUNNYDELL	74	75	91	121	116	109	78	92	75	65	62	63	1990
LENROOT	94	97	105	102	100	103	104	104	104	90	78	84	2151
REID	116	117	132	112	98	107	110	108	108	106	84	66	2085
TEXAS FEEDER	169	179	199	181	165	177	177	179	177	167	134	103	3243
NELSON COREY	9	9	8	7	5	6	7	11	9	5	0	0	87
HILL PETTINGER	0	0	0	3	2	4	0	0	0	0	0	0	11
RIGBY	178	178	168	167	162	168	168	175	156	152	154	152	4246
ISLAND	151	151	14	14	10	122	115	109	98	0	0	0	1804
DILLS	42	40	0	0	42	26	24	30	35	0	12	21	454
WEST LABELLE & LONG ISLAND	421	413	421	429	437	382	382	376	366	369	366	353	10253
PARKS & LEWISVILLE	326	326	329	356	328	321	290	314	335	322	326	294	8092
NORTH RIGBY	48	50	49	50	49	46	46	46	48	47	48	48	1437
WHITE	0	0	0	3	0	0	0	0	0	0	0	0	21
ELLIS	5	5	5	5	5	5	5	5	5	5	5	5	145
BRAMWELL	6	6	7	7	7	7	7	7	7	7	7	7	173
BUTTE & MARKET LAKE	208	219	228	249	240	244	242	213	211	209	208	186	4615
OSGOOD	116	116	117	117	117	117	117	117	117	118	118	118	3470
BEAR ISLAND & SMITH	4	0	3	4	0	4	4	4	4	3	0	0	33
KENNEDY	39	40	41	44	44	45	40	39	43	41	40	40	855
IDAHO	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	21186
GREAT WESTERN	478	485	495	494	488	480	485	480	480	471	463	449	10130
PORTER	279	278	279	277	275	273	276	277	276	209	206	204	5227
COY & KELLER	1	1	1	1	1	1	1	1	1	1	1	1	21
WOODVILLE	80	81	75	85	86	88	80	88	64	65	72	65	1801
SNAKE RIVER VALLEY	523	542	542	550	540	539	533	482	461	432	396	377	10692
TOTAL HEISE TO SHELLEY	6804	6805	6936	7049	7014	7018	7014	7021	6545	6137	5683	5421	149526
RESERVATION	0	0	0	0	0	0	0	0	0	0	0	0	1554
BLACKFOOT	233	306	282	293	262	255	251	307	304	307	299	258	5693
NEW LAVA SIDE	142	141	141	154	146	133	140	143	149	146	123	95	2704
PEOPLES	407	411	411	419	415	413	397	413	417	394	374	374	9990
ABERDEEN-SPRINGFIELD	1030	1030	1030	1030	1000	982	942	969	966	873	805	722	22277
CORBETT	155	141	133	142	143	134	129	140	130	137	171	166	3429
NIELSEN-HANSEN	10	9	10	13	13	12	13	16	17	18	13	13	207
RIVERSIDE	102	94	95	95	97	101	94	98	98	100	101	100	2493
DANSKIN	195	198	200	208	207	182	198	200	202	204	193	193	4195
TREGO	57	57	56	57	45	49	50	50	51	59	52	59	1314
WEARYRICK	44	47	48	48	51	50	50	50	51	54	54	54	1124
WATSON	88	90	91	88	90	90	90	90	94	97	98	95	2165
PARSONS	21	21	22	21	22	22	22	22	24	24	23	23	490
TOTAL SHELLEY TO CLOUGH	2484	2545	2545	2519	2538	2478	2438	2472	2494	2472	2271	2274	57635

	MAY																																							
STREAM	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	20	2	
BIG JIMMY CREEK	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	34	35	37	39	42	49	29		
PORTNEUF RIVER INFLOW BELOW POCATELLO	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	291	291	291	292	292	292	293	293	294	294	294	295	295	296	296	296	297	297	298	298	299	299	306	3	
BIG SPRING CREEK	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	470	470	470	470	470	470	470	471	471	471	471	471	471	471	471	472	472	472	471	472	4
CLEAR CREEK	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125
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	29	29			
WIDE CREEK	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	
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	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	
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	7	7	7	7	7	7	7	7	7	7	7	6	6	
TANNER SPRINGS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PORTNEUF RIVER AT POCATELLO	686	656	623	592	596	598	638	686	689	671	658	638	625	623	629	656	678	706	719	730	726	708	684	642	577	544	502	454	446	398	340	291	257	224	197	175	131	53		
CRYSTAL DITCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRYSTAL WASTE	36	36	36	36	36	36	36	36	36	36	36	36	36	35	35	34	34	34	33	33	32	32	31	31	30	30	30	29	29	28	28	28	27	27	26	26	37	3		
DANIELSEN SPRING	49	49	49	49	49	49	49	49	49	49	49	49	48	48	47	47	46	46	45	45	44	44	43	42	42	41	40	40	39	39	38	38	37	36	36	35	44			
ARTESIAN SPRINGS	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
STERLING WASTE	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	3	3	3	3	3	1		
GOLBURN WASTE	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	1			
ABERDEEN WASTE	10	110	129	158	159	130	108	125	105	85	82	83	110	102	85	80	99	91	78	66	58	63	65	72	61	57	38	34	36	57	44	31	32	55	65	75	1120	2		
TARTAR WASTE	0	20	40	48	52	52	43	42	37	36	34	35	41	39	20	10	46	54	36	18	9	0	0	0	4	4	0	0	2	8	9	9	35	11	17	11	14	1		
SCHILTZ WASTE	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1		
CEDAR WASTE	0	33	44	45	45	41	35	28	26	26	20	22	26	19	10	13	28	29	14	12	0	0	0	4	0	0	0	0	1	6	8	11	8	12	16	19	20	1		
ROSS FORK	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	50	50	50	50	50	50	50	50	
TRIPLE CREEK	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1		
BANNOCK CREEK	40	40	40	40	40	40	40	40	39	39	39	39	38	37	36	35	34	33	32	31	30	28	27	26	25	24	22	21	20	19	18	16	15	14	13	12	12	1		
RUEGAR SPRINGS	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	25		
TOTAL MEASURED	1976	2099	2116	2123	2132	2101	2104	2161	2136	2097	2073	2057	2079	2058	2017	2031	2121	2149	2113	2092	2056	2034	2009	1977	1899	1858	1792	1738	1734	1716	1646	1586	1573	1544	1537	1523	1511	13		
UNMEASURED INFLOW	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	1330	
TOTAL INFLOW CLOUGH TO NEELEY	3306	3429	3446	3453	3462	3431	3434	3491	3466	3427	3403	3387	3409	3388	3347	3361	3451	3479	3443	3422	3386	3364	3339	3307	3229	3188	3122	3068	3064	3046	2976	2916	2903	2864	2857	2843	2862	21		
TOTAL FOR MONTH	103,524																																							

103,524

INFLOW TO AMERICAN FALLS RE
BETWEEN CLOUGH AND NEELEY
24 HOUR

24 HOUR SECOND- FEET

JUNE

JULY

[illegible]

85,469

83,20

RESERVOIR

STATIONS

1948

[illegible]

83,834

RESERV STATIONS

PLATE NO. 11

SEPTEMBER

SEPTEMBER																																														
9	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				
9	29	29	29	29	29	29	227	28	28	28	28	28	28	29	29	29	29	29	29	29	29	29	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30			
15	306	306	307	307	308	308	307	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317			
71	472	473	474	476	477	478	479	490	489	488	487	486	485	484	484	483	482	482	481	480	480	479	478	478	477	477	476	476	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475	
25	125	125	125	125	125	125	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	125	140	130	125	125	125	125	125	125	125	125	125	125	125	125	125		
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55	56	56	56	56	56	57	55	56	56	56	56	57	57	57	58	58	58	58	59	59	59	60	60	60	60	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	
16	16	16	16	16	16	16	14	14	14	14	14	14	14	14	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		
27	27	27	27	27	27	27	26	26	26	26	27	27	27	27	27	27	27	27	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	
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11	53	54	56	58	65	71	683	82	79	77	80	75	72	72	74	73	71	71	67	72	74	72	72	73	73	72	69	67	68	68	72	83	111	144	172	186	176	154	148	156	154	154	163	164	164	164
0	0	0	0	0	0	0	1	1	1	1	1	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	3		
37	37	36	36	36	36	36	33	34	34	34	35	35	35	35	36	36	36	37	37	37	38	38	38	39	39	39	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
44	44	44	45	45	46	46	60	60	61	61	61	61	62	62	62	62	63	63	63	64	64	64	64	65	65	65	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
3	3	3	3	3	3	3	2	2	3	3	3	3	3	3	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	5	
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1	1	1	1	1	1	1	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
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25	25	25	25	25	25	25	25	25	25	25	25	24	24	24	24	24	24	24	24	24	24	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
11	1326	1327	1332	1336	1346	1354	1206	1405	1401	1400	1408	1407	1402	1397	1403	1405	1404	1404	1400	1408	1411	1410	1412	1415	1417	1415	1420	1414	1417	1421	1439	1440	1501	1548	1620	1630	1622	1605	1605	1618	1619	1612	1623	1632	1632	
310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1320	1320	1330	1330	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	
521	2636	2637	2642	2646	2656	2664	2616	2715	2711	2710	2718	2717	2712	2707	2713	2715	2714	2714	2710	2718	2721	2720	2722	2725	2727	2725	2730	2724	2727	2731	2759	2760	2831	2878	2960	2970	2962	2945	2945	2958	2959	2952	2963	297	297	
84 350																																														

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											SEPTEMBER																																
1	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			
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474	476	477	478	478	490	490	489	488	487	486	486	485	484	484	483	482	482	481	480	480	479	478	478	477	477	476	476	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475
125	125	125	125	125	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	125	140	130	125	125	125	125	125	125	125	125	125	125	125	125	125	
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56	56	56	56	57	55	56	56	56	56	57	57	57	57	58	58	58	58	59	59	59	60	60	60	60	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
16	16	16	16	16	14	14	14	14	14	14	14	14	14	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		
27	27	27	27	27	26	26	26	26	27	27	27	27	27	27	27	27	27	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	
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56	58	65	71	683	82	79	77	80	75	72	72	74	73	71	71	67	72	74	72	72	73	73	72	69	67	68	68	72	83	111	144	172	186	176	154	148	156	154	154	163	164		
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45	45	46	46	46	60	60	61	61	61	61	62	62	62	62	63	63	63	64	64	64	64	65	65	65	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	
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14	14	14	14	14	12	12	11	11	11	11	11	11	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	15	15	20	25	25	27	53		
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25	25	25	25	25	25	25	25	25	25	24	24	24	24	24	24	24	24	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23		
1332	1336	1346	1354	1306	1405	1401	1400	1408	1407	1402	1397	1403	1405	1404	1404	1400	1408	1411	1410	1412	1415	1417	1415	1420	1414	1417	1421	1439	1440	1501	1548	1620	1630	1622	1605	1605	1618	1619	1612	1623	1632		
1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1320	1320	1330	1330	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340		
2642	2646	2656	2664	2616	2715	2711	2710	2718	2717	2712	2707	2713	2715	2714	2714	2710	2718	2721	2720	2722	2725	2727	2725	2730	2724	2727	2731	2759	2760	2831	2878	2960	2970	2962	2945	2945	2958	2959	2952	2963	2972		

84,350

DAILY SEGREGATION

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 RIV NEAR SHEL	
		STORED	NORMAL	TOTAL	STORED LOSS	STORED DIVERSION		STORED	NORMAL	TOTAL	MARKET LAKE	HENRYS FORK NEAR REXBURG		STORED	NORMAL	TOTAL		STORED	NORMAL
JULY 2	850,560						JULY 3												
3	850,820						4			12,207									
4	850,300						5			11,807						5,040	JULY 4		
5	849,530	0	2,460	2,460			6			11,319						5,121	5		
6	849,020	1145	1955	3100	29		7	1116	9003	10,417						5,551	6		
7	844,930	3250	1910	5160	81		8	3169	8758	10119			54	166	7204	6,367	7	0	6080
8	838,830	3720	1880	5600	93	5	9	3622	8408	11927	8		154	788	7575	8363	8	896	4004
9	831,190	3820	1850	5670	96	5	10	3719	8212	12030	8	0	177	1219	7489	8708	9	2235	2855
10	824,070	3870	1820	5690	97	5	11	3768	7662	11931	8	-221	181	1795	7461	9256	10	2234	2256
11	815,720	4900	1820	6720	122	6	12	4772	7662	11430	8	-115	184	2198	6733	8931	11	1530	2490
12	806,370	5140	1790	6930	128	8	13	5004	7429	12434	8	-466	233	2683	7007	9690	12	1279	2161
13	796,260	6420	1760	8180	160	10	14	6250	7184	12433	8	-701	244	2637	6940	9477	13	1398	2382
14	783,720	6700	1730	8430	167	10	15	6523	7306	13434	8	-523	305	2549	6816	9365	14	1430	2820
15	771,440	5420	1700	7120	135	10	16	5275	7154	13829	9	25	318	2945	6726	9671	15	2881	2239
16	760,980	5387	1663	7050	134	10	17	5243	6786	12429	10	-191	258	2945	6726	9671	16	3294	2276
17	749,770	5930	1630	7560	148	10	18	5772	6655	12029	10	-129	258	2878	6693	9571	17	1958	2852
18	738,870	5980	1600	7580	149	10	19	5821	6606	12427	9	-42	282	2769	6695	9464	18	2357	2363
19	727,250	5760	1570	7330	144	10	20	5606	6621	12427	8	-39	284	2762	6674	9436	19	2688	2372
20	714,930	5610	1540	7150	140	10	21	5460	6368	12227	8	91	273	2751	6763	9514	20	2744	2256
21	704,860	5640	1510	7150	141	10	22	5489	6138	11828	8	68	266	2761	6640	9401	21	2681	2099
22	693,350	5870	1480	7350	147	15	23	5708	5918	11627	8	-32	267	2858	6670	9528	22	2509	1791
23	679,450	5970	1450	7420	149	15	24	5806	5920	11626	8	103	278	2862	6638	9500	23	2340	1730
24	665,360	5890	1440	7330	147	15	25	5728	5988	11726	8	-401	283	2782	6635	9417	24	2679	1391
25	658,820	5780	1410	7190	144	20	26	5616	5809	11716	8	-364	279	2563	6632	9215	25	2348	1982
26	647,680	5790	1380	7170	145	20	27	5625	5701	11425	8	-238	274	2563	6632	9215	26	2510	2040
27	635,900	5840	1350	7190	146	20	28	5674	5551	11326	7	-228	274	2643	6683	9326	27	2469	1751
28	624,120	5920	1320	7240	148	20	29	5752	5473	11225	7	-228	277	2702	6523	9225	28	2428	1692
29	611,930	5910	1290	7200	148	20	30	5742	5483	11225	7	-147	281	2723	6631	9354	29	2453	1657
30	599,760	5600	1260	6860	140	20	31	5440	5383	10823	7	-167	280	2635	6605	9240	30	2696	1554
31	588,370	5530	1230	6760	138	20	AUG. 1	5372	5349	10721	7	-212	265	2587	6620	9207	31	2687	1583
AUG. 1	577,700	5560	1230	6790	139	20	2	5401	5321	10722	8	-226	262	2404	6605	9009	AUG. 1	2383	1717
2	566,380	5411	1229	6640	135	20	3	5256	5365	10621	8	-100	263	2428	6426	8854	2	2488	1652
3	555,780	5092	1228	6320	127	20	4	4945	5373	10621	8	-114	256	2388	6417	8805	3	2618	1632
4	545,470	4782	1228	6010	119	20	5	4643	5457	10318	8	4	241	2349	6321	8670	4	2506	1794
5	536,110	4492	1228	5720	112	20	6	4360	5461	10100	8	109	226	2125	6465	8590	5	2367	1903
6	527,000	4262	1228	5490	106	20	7	4136	5403	9821	8	-3	213	1975	6448	8423	6	2409	1811
7	518,170	4102	1228	5330	102	20	8	3980	5418	9539	8	-171	202	1750	6390	8140	7	2177	1623
8	508,870	4022	1228	5250	100	20	9	3902	5608	9398	8	-129	194	1579	6338	7917	8	2021	1809
9	501,930	3830	1150	4980	96	20	10	3714	5454	9510	8	-169	190	1011	6372	7383	9	2086	2184
10	494,320	3140	980	4120	79	20	11	3041	5515	9168	8	-538	181	824	6407	7231	10	2540	2300
11	489,700	1970	890	2860	49	20	12	1901	5488	8556	8	-128	149	675	6127	6802	11	2179	2971
12	485,320	1370	840	2210	34	20	13	1316	5137	7389	8	-149	93	677	6019	6696	12	2097	2873
13	481,860	1730	840	2570	43	20	14	1667	4597	6453	8	-41	64	688	5985	6673	13	990	2840
14	477,740	3240	830	4070	81	20	15	3139	4077	6264	7	129	81	664	5957	6621	14	531	2389
15	469,490	4660	830	5490	116	20	16	4524	4191	7216	7	18	153	601	6172	6773	15	1058	1402
16	460,550	4580	820	5400	114	20	17	4446	4299	8715	7	-154	221	852	6265	7127	16	2410	240
17	452,370	4590	820	5410	115	20	18	4455	4229	8745	7	-202	216	1085	6248	7333	17	3304	66
18	442,360	4670	810	5480	117	20	19	4533	4242	8684	7	-317	217	1356	5958	7314	18	2950	450
										8775	7	-503	221	1754	5797	7551	19	2572	458
																	20	2062	1068

OF DATA AT AND BETWEEN SNAKE

24 HOUR SECOND-FEET EXCEPT AS NOTED

ER LEY	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			LAKE WALCOTT CONTENTS ACRE-Feet	NO
TOTAL	STORED	NORMAL	TOTAL					STORED	NORMAL	TOTAL				STORED	NORMAL	TOTAL		
10,800			2,566			JULY 5	152			8550	2779	JULY 6	1,704,480	0	11300	11300	95,180	
10,000			2,806			6	100			6200	2730	7	1,696,080	2570	8930	11500	94,020	
8,310			3,203			7	47			3880	2700	8	1,687,670	4720	6580	11300	94,720	
6080			3270			8	10			1810	2682	9	1,673,660	7108	4492	11600	94,370	
4900	136	3310	3446	46	714	9	4	714	916	1630	2672	10	1,658,710	8212	3588	11800	94,720	
5090	187	3487	3674	123	1925	10	8	912	178	1090	2649	11	1,639,910	8873	2827	11700	95,180	
4490	194	3565	3759	122	1918	11	6	568	176	744	2645	12	1,624,430	8879	2821	11600	95,430	
4020	150	3572	3722	83	1297	12	8	320	178	408	2641	13	1,605,830	8781	2819	11600	94,720	
3440	126	3172	3298	69	1084	13	8	140	178	318	2637	14	1,587,900	8785	2815	11600	95,670	
3780	1550	1731	3281	-9	-143	14	8	202	178	380	2631	15	1,571,660	8791	2809	11600	95,910	
4250	1604	2028	3632	-10	-164	15	8	476	178	654	2616	16	1,555,370	8906	2794	11700	96,390	
5120	1858	2094	3952	61	962	16	10	1230	180	1410	2610	17	1,541,060	8910	2790	11700	96,510	
5570	1958	2079	4037	80	1256	17	12	988	182	1170	2609	18	1,525,090	9009	2791	11800	95,910	
4810	1918	2017	3935	2	38	18	19	675	189	864	2611	19	1,504,930	9100	2800	11900	95,430	
4720	1927	2003	3930	26	404	19	36	824	206	1030	2621	20	1,488,700	9173	2827	12000	95,430	
5060	1922	2042	3964	46	720	20	34	936	204	1140	2636	21	1,475,610	9160	2840	12000	95,430	
5000	1933	2028	3961	49	762	21	31	929	201	1130	2637	22	1,459,900	8962	2838	11800	95,430	
4780	1923	1940	3863	45	713	22	26	652	196	848	2642	23	1,443,900	9162	2838	12000	95,430	
4300	1893	1982	3875	37	579	23	21	349	191	540	2646	24	1,423,850	9163	2837	12000	93,790	
4070	1944	1766	3710	24	372	24	21	403	191	594	2656	25	1,409,450	9253	2847	12100	94,250	
4070	1937	1712	3649	44	698	25	52	508	222	730	2664	26	1,394,250	9314	2886	12200	94,490	
4330	1956	1724	3680	23	369	26	106	734	276	1010	2665	27	1,373,570	9159	2941	12100	94,020	
4550	1988	1860	3848	31	491	27	60	570	230	800	2661	28	1,354,410	9209	2891	12100	92,520	
4220	1924	1849	3773	33	512	28	40	414	210	624	2658	29	1,339,560	9332	2868	12200	92,520	
4120	1945	1779	3724	29	454	29	34	408	204	612	2658	30	1,324,710	9338	2862	12200	93,440	
4120	1989	1671	3660	28	436	30	44	618	214	832	2667	31	1,307,880	9219	2891	12100	94,250	
4250	2023	1492	3515	40	633	31	35	581	205	786	2672	AUG. 1	1,289,830	9223	2877	12100	94,490	
4270	1958	1647	3605	44	685	AUG. 1	28	730	198	928	2677	2	1,273,750	9225	2875	12100	95,670	
4100	1924	1541	3465	28	431	2	37	780	207	987	2680	3	1,258,660	9113	2887	12000	97,110	
4140	1931	1393	3324	33	524	3	30	1020	200	1220	2685	4	1,240,400	9015	2885	11900	97,960	
4250	1907	1268	3175	43	668	4	21	1129	191	1320	2684	5	1,223,140	8725	2875	11600	97,590	
4300	1892	1322	3214	37	577	5	30	1170	200	1370	2690	6	1,211,150	8410	2890	11300	97,350	
4270	1782	1300	3082	35	550	6	22	1288	192	1480	2694	7	1,196,510	8314	2886	11200	97,590	
4220	1687	1397	3084	43	679	7	28	902	198	1100	2699	8	1,182,850	8103	2897	11000	97,230	
3800	1609	1496	3105	34	534	8	39	486	209	695	2706	9	1,168,720	8085	2915	11000	97,110	
3830	1572	1487	3059	27	422	9	66	1344	236	1580	2715	10	1,155,670	8049	2951	11000	96,390	
4270	1531	1340	2871	33	522	10	126	1794	296	2090	2713	11	1,143,220	7991	3009	11000	96,030	
4840	1157	1754	2911	83	1300	11	145	2205	315	2520	2713	12	1,133,080	7872	3028	10900	95,670	
5150	185	2724	2909	120	1874	12	143	2207	313	2520	2712	13	1,122,940	8075	3025	11100	94,840	
4970	266	2587	2853	112	1719	13	102	1398	272	1670	2713	14	1,108,350	8315	2985	11300	94,490	
3830	227	2629	2856	46	717	14	57	613	227	840	2714	15	1,092,110	8459	2941	11400	94,490	
2920	412	2322	2734	7	112	15	28	396	198	594	2708	16	1,076,330	8494	2906	11400	94,600	
2460	22	2218	2240	62	974	16	30	270	200	470	2700	17	1,060,790	8500	2900	11400	94,720	
2650	1086	1069	2155	79	1245	17	36	674	206	880	2695	18	1,044,940	8499	2901	11400	92,860	
3370	1104	1196	2300	132	2068	18	43	827	213	1040	2698	19	1,024,300	8489	2911	11400	94,140	
3400	1549	1187	2736	84	1317	19	41	589	211	800	2702	20	1,013,570	8487	2913	11400	94,370	
3030	1559	1115	2674	61	952	20	29	401	199	600	2701	21	998,980	8400	2900	11300	93,790	
3130	1640	1078	2718	25	397	21	35	455	205	660	2705	22	981,440	8490	2910	11400		

RIVER GAGING STATIONS

1948

MINIDOKA CANALS					SNAKE RIVER NEAR MINIDOKA			DATE	MILNER LAKE GAGE FEET	GOODING PROJECT			NORTH SIDE CANAL COMPANY						TWIN CANAL	
RTH	SOUTH	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL			STORED	NORMAL	TOTAL	P. A.	GOODING	MAIN	TOTAL	STORED	NORMAL	STORED	NORMAL
590	1300	2890	0	2890	220	8410	8630	JULY 7	10.87	282	1148	1430	60	980	2580	3620	0	3620	0	0
640	1290	2930	204	2726	2516	6204	8720	8	11.00	1400	0	1400	60	990	2620	3670	670	3000	236	236
670	1280	2950	1224	1726	3746	4854	8600	9	10.99	1390	0	1390	60	980	2620	3660	1806	1854	440	440
660	1300	2960	1868	1092	5170	3400	8570	10	11.03	1400	0	1400	60	980	2640	3680	3280	400	420	420
670	1330	3000	2812	188	5230	3400	8630	11	11.05	1410	0	1410	60	1000	2640	3700	3300	400	400	400
670	1320	2990	2990	0	5773	2827	8600	12	11.02	1430	0	1430	60	980	2620	3660	3327	333	906	906
660	1310	2970	2970	0	5659	2821	8480	13	10.78	1430	0	1430	60	990	2580	3630	3298	332	961	961
660	1310	2970	2970	0	5691	2819	8510	14	10.81	1440	0	1440	60	990	2600	3650	3318	332	973	973
660	1310	2970	2970	0	5695	2815	8510	15	10.84	1440	0	1440	59	990	2610	3659	3328	331	996	996
660	1310	2970	2970	0	5641	2809	8450	16	10.84	1440	0	1440	59	990	2560	3609	3279	330	1021	1021
660	1310	2970	2970	0	5656	2794	8450	17	10.90	1450	0	1450	59	1000	2560	3619	3290	329	1035	1035
660	1310	2970	2970	0	5600	2790	8390	18	10.91	1450	0	1450	59	1000	2520	3579	3251	328	1038	1038
660	1320	2980	2980	0	5629	2791	8420	19	10.81	1440	0	1440	59	990	2500	3549	3221	328	1047	1047
650	1320	2970	2970	0	5830	2800	8630	20	10.88	1480	0	1480	59	1000	2520	3579	3250	329	1089	1089
660	1320	2980	2980	0	6133	2827	8960	21	10.99	1490	0	1490	59	1020	2500	3579	3246	333	1066	1066
660	1320	2980	2980	0	5940	2840	8780	22	10.97	1480	0	1480	59	1020	2490	3569	3235	334	1074	1074
660	1320	2980	2980	0	5762	2838	8600	23	10.91	1480	0	1480	59	1020	2470	3549	3215	334	1076	1076
660	1320	2980	2980	0	5702	2838	8540	24	10.69	1470	0	1470	59	990	2460	3509	3175	334	1076	1076
660	1310	2970	2970	0	5943	2837	8780	25	10.80	1470	0	1470	59	990	2500	3549	3215	334	1087	1087
670	1310	2980	2980	0	6023	2847	8870	26	10.91	1480	0	1480	59	1010	2550	3619	3284	335	1078	1078
670	1300	2970	2970	0	6014	2886	8900	27	10.94	1460	0	1460	59	1010	2520	3589	3250	339	1033	1033
660	1320	2980	2980	0	6019	2941	8960	28	10.92	1480	0	1480	59	1020	2630	3709	3363	346	996	996
660	1320	2980	2980	0	6189	2891	9080	29	11.04	1480	0	1480	59	1070	2720	3849	3509	340	1029	1029
610	1310	2920	2920	0	6092	2868	8960	30	11.01	1460	0	1460	59	1110	2710	3879	3541	338	1050	1050
590	1310	2900	2900	0	5948	2862	8810	31	10.98	1450	0	1450	59	1110	2720	3889	3552	337	1045	1045
590	1310	2900	2900	0	5869	2881	8750	AUG. 1	10.92	1440	0	1440	59	1100	2720	3879	3540	339	1018	1018
520	1300	2820	2820	0	5813	2877	8690	2	10.91	1450	0	1450	59	1090	2680	3829	3491	338	1041	1041
490	1310	2800	2800	0	5785	2875	8660	3	10.95	1460	0	1460	59	1100	2660	3819	3481	338	1033	1033
460	1300	2760	2760	0	5803	2887	8690	4	10.92	1450	0	1450	59	1090	2640	3789	3449	340	1033	1033
440	1270	2710	2710	0	5925	2885	8810	5	10.98	1470	0	1470	59	1080	2640	3779	3439	340	1045	1045
410	1260	2670	2670	0	6055	2875	8930	6	11.05	1480	0	1480	59	1090	2620	3769	3431	338	1043	1043
390	1270	2660	2660	0	5860	2890	8750	7	11.05	1480	0	1480	59	1100	2560	3719	3379	340	1040	1040
390	1220	2610	2610	0	5714	2886	8600	8	11.01	1470	0	1470	59	1080	2520	3659	3320	339	1053	1053
380	1200	2580	2580	0	5613	2897	8510	9	10.98	1470	0	1470	59	1080	2520	3659	3318	341	1054	1054
380	1200	2580	2580	0	5535	2915	8450	10	10.94	1450	0	1450	59	1060	2500	3619	3276	343	1068	1068
380	1190	2570	2570	0	5499	2951	8450	11	10.92	1440	0	1440	59	1040	2500	3599	3252	347	1046	1046
380	1160	2540	2540	0	5501	3009	8510	12	10.90	1440	0	1440	59	1040	2540	3639	3285	354	995	995
380	1150	2530	2530	0	5512	3028	8540	13	10.88	1440	0	1440	59	1040	2540	3639	3283	356	948	948
410	1150	2560	2560	0	5605	3025	8630	14	10.90	1450	0	1450	58	1040	2600	3698	3342	356	941	941
430	1180	2610	2610	0	5735	2985	8720	15	10.89	1360	0	1360	58	1030	2620	3708	3357	351	986	986
430	1240	2670	2670	0	5839	2941	8780	16	11.00	1320	0	1320	58	1030	2620	3708	3362	346	1035	1035
460	1240	2700	2700	0	5814	2906	8720	17	11.04	1310	0	1310	58	1040	2610	3708	3366	342	1066	1066
480	1230	2710	2710	0	5670	2900	8570	18	10.94	1300	0	1300	59	1030	2580	3669	3328	341	1091	1091
510	1220	2730	2730	0	5729	2901	8630	19	10.75	1290	0	1290	59	1020	2560	3639	3298	341	1100	1100
520	1230	2750	2750	0	5869	2911	8780	20	10.95	1300	0	1300	59	1020	2580	3659	3317	342	1121	1121
530	1230	2760	2760	0	5777	2913	8690	21	11.02	1300	0	1300	59	1020	2540	3619	3276	343	1100	1100
500	1230	2730	2730	0	5760	2900	8660	22	10.99	1300	0	1300	59	1020	2520	3599	3258	341	1117	1117
480	1220	2700	2700	0	5750	2910	8660	23	10.84	1300	0	1300	59	1020	2520	3599	3257	342	1117	1117

PLATE NO. 12

RTH	M	FALLS COMPANY		MILNER LOW LIFT			SNAKE RIVER AT MILNER		
		ORMAL	TOTAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL
590		3440	3440	0	173	173	0	29	29
640		3204	3440	173	0	173	233	0	233
670		3000	3440	173	0	173	11	0	11
660		3000	3420	173	0	173	11	0	11
670		3000	3400	179	0	179	294	0	294
670		2494	3400	197	0	197	131	0	131
660		2489	3450	197	0	197	11	0	11
660		2487	3460	197	0	197	11	0	11
660		2484	3480	197	0	197	10	0	10
660		2479	3500	197	0	197	10	0	10
660		2465	3500	197	0	197	10	0	10
660		2462	3500	197	0	197	10	0	10
660		2463	3510	197	0	197	11	0	11
650		2471	3560	195	0	195	60	0	60
660		2494	3560	195	0	195	362	0	362
660		2506	3570	195	0	195	264	0	264
660		2504	3580	195	0	195	212	0	212
660		2504	3580	195	0	195	205	0	205
660		2503	3590	195	0	195	205	0	205
670		2512	3590	196	0	196	218	0	218
670		2547	3580	198	0	198	237	0	237
660		2595	3590	198	0	198	242	0	242
660		2551	3580	198	0	198	242	0	242
610		2530	3580	198	0	198	313	0	313
590		2525	3570	198	0	198	244	0	244
590		2542	3560	198	0	198	239	0	239
520		2539	3580	198	0	198	237	0	237
490		2537	3570	198	0	198	234	0	234
460		2547	3580	198	0	198	234	0	234
440		2545	3590	198	0	198	234	0	234
410		2537	3580	198	0	198	298	0	298
390		2550	3590	198	0	198	232	0	232
390		2547	3600	198	0	198	218	0	218
380		2556	3610	198	0	198	212	0	212
380		2572	3640	198	0	198	212	0	212
380		2604	3650	198	0	198	207	0	207
380		2655	3640	198	0	198	203	0	203
380		2672	3620	198	0	198	203	0	203
410		2669	3610	188	0	188	201	0	201
430		2634	3620	191	0	191	201	0	201
430		2595	3630	194	0	194	203	0	203
460		2564	3630	194	0	194	245	0	245
480		2559	3650	194	0	194	205	0	205
510		2560	3660	194	0	194	221	0	221
520		2569	3690	194	0	194	229	0	229
530		2570	3670	194	0	194	390	0	390
500		2559	3690	194	0	194	223	0	223
480		2568	3670	194	0	194	223	0	223

DAILY SEGREGATION (R)

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 RIV NEAR SHEL			FALL COMPI
		STORED	NORMAL	TOTAL	STORED LOSS	STORED DIVERSION		STORED	NORMAL	TOTAL	MARKET LAKE	HENRYS FORK NEAR REXBURG		STORED	NORMAL	TOTAL		STORED	NORMAL	RTH	
AUG. 19	433,760	4670	810	5480	117	20	AUG. 20	4533	4060	8593	7	-438	221	1821	5551	7372	AUG. 21	2060	1090	450	2576
20	424,280	4917	803	5720	123	20	21	4774	4001	8775	7	-285	233	1924	5514	7438	22	2339	1161	370	2536
21	414,590	4580	780	5360	114	20	22	4446	4078	8524	7	-215	217	1813	5465	7278	23	2208	1502	340	2509
22	405,870	4420	770	5190	110	20	23	4290	4082	8372	7	-173	209	1670	5523	7193	24	2245	1395	350	2577
23	397,370	4220	760	4980	105	20	24	4095	4187	8282	7	-158	200	1370	5729	7099	25	2374	1306	290	2573
24	389,800	3860	750	4610	97	20	25	3743	4135	7878	8	-137	183	703	5162	6865	26	2728	822	240	2571
25	382,490	3600	740	4340	90	20	26	3490	4128	7618	8	-78	170	860	5114	6974	27	2590	880	240	2576
26	375,400	3350	730	4080	84	20	27	3246	4081	7327	8	-162	159	809	5960	6769	28	2124	856	230	2569
27	366,800	3160	720	3880	79	20	28	3061	3965	7026	8	-262	149	743	5853	6596	29	1915	825	250	2561
28	362,420	3660	710	4370	92	20	29	3548	3729	7277	8	-230	173	773	5942	6715	30	2380	480	290	2561
29	354,960	3740	700	4440	94	20	30	3626	3791	7417	8	-40	177	868	6003	6871	31	2549	301	290	2576
30	347,950	3690	690	4380	92	20	31	3578	3668	7246	8	-32	174	970	5780	6750	SEPT. 1	2410	350	280	2581
31	340,140	3900	680	4580	98	20	SEPT. 1	3782	3636	7418	8	3	184	1502	5302	6804	2	2107	633	1280	2576
SEPT. 1	333,200	3980	680	4660	100	10	2	3870	3487	7357	8	119	189	1748	5057	6805	3	2080	660	1270	2566
2	324,540	4430	680	5110	111	10	3	4309	3481	7790	8	114	210	1936	5000	6936	4	2285	575	1210	2560
3	316,390	4120	680	4800	103	10	4	4007	3552	7559	8	121	196	1990	5059	7049	5	1950	820	1170	2565
4	308,240	4040	680	4720	101	10	5	3929	3459	7388	8	145	192	2042	4972	7014	6	1848	822	1170	2565
5	299,720	4190	680	4870	104	10	6	4076	3453	7529	8	167	199	2001	5086	7087	7	2051	689	170	2565
6	289,330	4190	680	4870	104	10	7	4076	3453	7529	8	190	199	1939	5079	7018	8	2136	694	1170	2565
7	282,360	4100	680	4780	102	10	8	3988	3511	7499	8	181	194	1866	5148	7014	9	2117	763	1170	2565
8	274,820	3810	680	4490	95	10	9	3705	3653	7358	8	181	181	1838	5183	7021	10	1875	1025	1170	256
9	267,690	3460	680	4140	87	10	10	3363	3634	6997	8	185	164	1658	4885	6543	11	1734	1006	170	257
10	260,820	2880	680	3560	72	10	11	2798	3888	6686	8	89	136	953	5184	6137	12	1806	864	130	258
11	255,440	2293	697	2990	57	10	12	2226	3817	6043	8	-13	109	872	4811	5683	13	1240	1250	981	257
12	250,070	2183	697	2880	55	4	13	2124	3788	5912	8	-2	104	637	5284	5921	14	1389	791	949	257
13	246,140	2183	697	2880	55	0	14	2128	3554	5682	8	-14	104	562	5266	5828	15	1456	524	926	257
14	240,180	3143	697	3840	79		15	3064	3199	6263	8	21	149	1364	4863	6227	16	1580	580	816	234
15	233,040	3303	697	4000	83		16	3220	3545	6765	0	32	157	1353	4965	6318	17	1742	1086	553	217
16	226,510	2233	697	2930	56		17	2177	4147	6324		31	106	903	5129	6032	18	1199	1931	437	196
17	223,450	993	697	1690	25		18	968	4573	5541		26	47	238	4748	4986	19	709	2711	435	
18	223,050	0			0		19	0	5180	5180		471		0	3331	3331	20	471	3749	434	
19	224,880						20			4300		210				2958	21	210	3810	434	
							21			3790		4				2859	22	4	3587	435	
							22			3580						2878	23	0	3640	364	
							23			3420						2807	24			323	
							24			3300						2736	25			317	
							25			3250						2726	26			318	
							26			3210						2664	27			320	
TOTAL		315,593			7,884	1,038		306,671			550	-6,790	14,954	127,314				158,163			

24 HOUR SECOND-FEET EXCEPT AS NOTED

597.232

RIVER GAGING STATIONS

1948

MINIDOKA CANALS					SNAKE RIVER NEAR MINIDOKA			DATE	MILNER LAKE GAGE FEET	GOODING PROJECT			NORTH SIDE CANAL COMPANY						TWIN CANAL	
RTH	SOUTH	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL			STORED	NORMAL	TOTAL	P. A.	GOODING	MAIN	TOTAL	STORED	NORMAL	STORED	N
450	1240	2690	2690	0	5831	2919	8750	AUG. 24	10.96	1260	0	1260	59	1020	2520	3599	3256	343	1094	
370	1230	2600	2600	0	5702	2988	8690	25	10.96	1230	0	1230	59	970	2510	3539	3187	352	1044	
340	1220	2560	2560	0	5673	2957	8630	26	11.02	1240	0	1240	59	940	2520	3519	3171	348	1031	
350	1220	2570	2570	0	5409	2921	8330	27	10.90	1230	0	1230	59	940	2500	3499	3155	344	1043	
290	1220	2510	2510	0	5504	2916	8420	28	10.96	1230	0	1230	59	940	2490	3489	3146	343	1007	
240	1230	2470	2470	0	5416	2914	8330	29	10.89	1230	0	1230	59	940	2490	3489	3146	343	1009	
240	1230	2470	2470	0	5411	2919	8330	30	10.81	1230	0	1230	59	930	2460	3449	3106	343	1004	
230	1220	2450	2450	0	5478	2912	8390	31	10.84	1230	0	1230	59	930	2450	3439	3096	343	1011	
260	1210	2470	2470	0	5578	2902	8480	SEPT. 1	10.86	1240	0	1240	59	890	2460	3409	3068	341	979	
290	1210	2500	2500	0	5578	2902	8480	2	10.91	1230	0	1230	59	850	2520	3429	3088	341	959	
290	1200	2490	2490	0	5560	2920	8480	3	10.94	1230	0	1230	59	850	2530	3439	3095	344	944	
280	1190	2470	2470	0	5525	2925	8450	4	10.84	1230	0	1230	59	830	2510	3399	3055	344	929	
280	1190	2470	2470	0	5561	2919	8480	5	10.92	1240	0	1240	59	770	2540	3369	3026	343	944	
1270	1160	2430	2430	0	5603	2907	8510	6	11.00	1230	0	1230	59	770	2520	3349	3008	341	934	
1210	1150	2360	2360	0	5369	2901	8270	7	11.00	1230	0	1230	59	780	2500	3339	2998	341	900	
1170	1150	2320	2320	0	5063	2907	7970	8	11.00	1230	0	1230	59	770	2480	3309	2967	342	815	
1170	1130	2300	2300	0	4913	2907	7820	9	10.95	1220	0	1220	59	770	2400	3229	2887	342	685	
170	1120	2290	2290	0	4564	2906	7470	10	10.84	1220	0	1220	59	770	2280	3109	2768	341	605	
170	1070	2240	2240	0	4394	2906	7300	11	10.68	1210	0	1210	59	760	2220	3039	2698	341	545	
170	1020	2190	2190	0	4363	2907	7270	12	10.76	1210	0	1210	59	760	2240	3059	2717	342	505	
170	965	2135	2135	0	4419	2911	7330	13	10.86	1220	0	1220	59	760	2220	3039	2697	342	431	
170	965	2135	2135	0	4240	2920	7160	14	10.80	1220	0	1220	59	760	2180	2999	2655	344	364	
130	965	2095	2095	0	4107	2933	7040	15	10.84	1220	0	1220	59	760	2180	2999	2654	345	322	
981	959	1940	1940	0	4103	2917	7020	16	10.84	1220	0	1220	59	760	2110	2929	2586	343	276	
949	956	1905	1905	0	3980	2920	6900	17	10.88	1220	0	1220	59	760	2070	2889	2546	343	263	
926	938	1864	1864	0	3843	2917	6760	18	10.98	1220	0	1220	59	770	2090	2919	2576	343	166	
816	819	1635	1425	210	3640	2740	6380	19	10.98	1220	0	1220	59	780	1980	2819	2419	400	0	
553	613	1166	751	415	2920	2570	5490	20	10.88	1180	0	1180	59	760	1570	2389	1989	400	0	
437	350	787	49	738	2650	2360	5010	21	10.87	1160	0	1160	59	750	1450	2259	1859	400	0	
435	246	681	0	681	2451	2469	4920	22	10.96	1120	0	1120	60	750	1220	2030	1341	689		
434	227	661	0	661	468	4182	4650	23	10.88	440	670	1110	60	740	972	1772	0	1772		
434	227	661	0	661	0	4080	4080	24	10.98	0	1110	1110	44	750	888	1682	0	1682		
435	214	649	0	649	0	3490	3490	25	10.82	0	1040	1040	36	460	892	1388	0			
364	208	572	0	572	0	2840	2840	26	10.77	0	1010	1010	36	270	888	1194	0			
323	208	531	0	531	0	2650	2650	27	10.70	0	1010	1010	0	260	876	1136	0			
317	204	521	0	521	0	2650	2650	28	10.68	0	1010	1010	0	260	880	1140	0			
318	204	522	0	522	0	2560	2560	29	10.62	0	630	630	0	150	872	1022	0			
320	204	524	0	524	0	1730	1730	30	10.66	0	0	0	0	0	876	876	0			
190,277					409,169			104,294			236,268					66,050				

RTH	FALLS COMPANY		MILNER LOW LIFT			SNAKE RIVER AT MILNER		
	NORMAL	TOTAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL
450	2576	3670	194	0	194	223	0	223
370	2636	3680	194	0	194	223	0	223
340	2609	3640	194	0	194	312	0	312
350	2577	3620	194	0	194	221	0	221
290	2573	3580	194	0	194	223	0	223
240	2571	3580	194	0	194	223	0	223
240	2576	3580	194	0	194	223	0	223
230	2569	3580	194	0	194	223	0	223
260	2561	3540	194	0	194	223	0	223
290	2561	3520	194	0	194	223	0	223
290	2576	3520	194	0	194	223	0	223
280	2581	3510	194	0	194	223	0	223
280	2576	3520	194	0	194	223	0	223
1270	2566	3500	186	0	186	223	0	223
1210	2560	3460	179	0	179	272	0	272
1170	2565	3380	179	0	179	359	0	359
1170	2565	3250	179	0	179	232	0	232
1170	2565	3170	179	0	179	230	0	230
1170	2565	3110	179	0	179	228	0	228
1170	2565	3070	179	0	179	221	0	221
1170	2569	3000	179	0	179	223	0	223
1170	2576	2940	179	0	179	228	0	228
130	2588	2910	179	0	179	228	0	228
981	2574	2850	179	0	179	228	0	228
949	2577	2840	169	0	169	228	0	228
926	2574	2740	159	0	159	228	0	228
816	2340	2340	138	0	138	228	0	228
553	2170	2170	100	0	100	523	0	523
437	1960	1960	100	0	100	275	0	275
435			100	0	100	223	0	223
434			0	100	100	262	0	262
434			0	100	100	225	0	225
435			1320			377	0	377
364			1210		85	218	0	218
323			1110		85	221	0	221
317			1010		75	221	0	221
318	971				50	223	0	223
320	943				50	225	0	225
					50	228	0	228
		14,399				18,201		

DAIL

CANAL	NO.	JULY																																		
		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					
SWAN VALLEY USERS	1		0	5	5	5	6	8	10	10	10	10	10	10	10	10	15	15	15	20	20	20	20	20	20	20	20	20	20	20	20	20				
POPLAR IRRIGATION DISTRICT	2		0	3	6	31	30	34	33	34	29	29	27	27	27	28	27	26	26	16	25	26	25	25	25	23	21	22	21	18						
PROGRESSIVE IRRIGATION DISTRICT	3		0	233	250	314	310	310	288	289	354	371	273	380	382	386	407	410	421	421	421	421	424	425	425	361	362	359	358	366	367					
FARMERS FRIEND	4		0	42	5	48	33	46	42	50	26	30	12	46	46	51	44	42	42	41	23	44	35	35	39	42	35	33	37	46	39					
ENTERPRISE CANAL CO.	5					0	64	186	186	221	146	131	128	154	156	168	170	169	168	168	158	153	151	151	151	151	148	147	146	146	13					
MATTSON & CRAIG	6						0	3	5	5	5	6	0	0	4	7	7	7	7	12	12	4	3	3	0	3	3	3	3	3	3					
STEELE	7				0	2	2	2	2	0						0	2	2	3	2	2	2	0													
HARRISON	8		0	49	71	75	79	75	245	235	239	235	202	222	222	227	222	227	226	225	177	177	172	172	172	167	162	162	147	157						
RUDY	9	0	36	43	81	93	87	83	87	92	88	90	64	68	86	79	80	77	81	75	80	76	98	96	91	89	95	94	95	92	92					
BURGESS	10		0	105	115	106	137	297	301	293	293	263	211	263	259	259	259	259	254	255	255	255	255	255	255	255	259	224	241	214						
BUTLER ISLAND	11																0	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
LOWDER	12																0	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
SUNNYDELL	13				0	121	112	119	118	123	128	92	68	66	62	53	56	56	49	45	32	40	0	63	65	65	37	60	56	54						
LENROOT	14			0	39	109	89	122	111	138	143	112	104	86	66	84	84	86	99	96	73	93	100	98	93	119	109	52	73	65	55					
REID	15						0	74	61	51	55	56	32	32	21	21	17	29	22	29	18	15	27	12	14	17	2	5	12	10	0					
HILL PETTINGER	16					0	2	4	4	4	4	4	6	6	3	3	2	2	2	2	2	0	1	0												
MISCELLANEOUS DIVERSIONS (9)	17						0	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3					
RIGBY	18							0	11	13	13	13	0	8	13	11	22	25	15	15	15	16	13	14	15	16	13	15	9	7	6					
DILTS	19																														0					
PARKS & LEWISVILLE	20													0	30	30	42	40	39	15	13	13	16	13	0											
WHITE	21						0	42	34	11	19	13	4	40	2	15	0	5	4	4	3	0	0	4	4	3	0	3	2	4	2	0				
BUTTE & MARKET LAKE (10)	22																0	0	0	9	9	4	0			0	9	9	0							
OSGOOD	23				0	85	85	89	89	90	87	86	86	86	86	87	87	87	87	88	90	90	90	90	90	90	90	90	90	90	90	90				
BEAR ISLAND	24						0	3	3	3	6	6	3	3	6	4	4	4	3	4	4	4	4	4	4	3	3	2	3	4						
SMITH PUMP	25					0	1	1	1	1	1	0							0	1	0	1	1	1	0	1	0	0	0	1						
KENNEDY	26		0	2	8	8	8	5	13	21	23	19	19	19	16	21	16	16	17	16	17	21	16	9	16	13	12	13	11	9	10					
IDAH0	27		0	110	190	320	280	300	240	180	380	350	340	340	360	360	370	360	330	260	190	250	320	320	320	320	320	320	320	320	280					
MARTIN	28	0	10	10	34	34	34	34	34	26	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34					
NEW SWEDEN ET. AL.	29	0	120	191	257	288	285	296	214	151	238	272	240	237	208	242	249	259	254	273	269	264	257	258	258	268	265	259	270	249	220					
WOODVILLE	30			0	19	7	18	12	11	113	112	112	107	107	103	14	8	98	105	104	93	90	86	89	88	88	84	76	76	75	77					
SHAKE RIVER VALLEY	31			0	144	154	542	544	502	403	520	552	548	542	567	552	531	529	527	533	504	512	527	519	491	495	506	508	506	491	47					
TOTAL HEISE TO SHELLEY	32	0	166	788	1219	1795	2198	2683	2637	2549	2945	2878	2512	2769	2762	2751	2761	2858	2862	2782	2583	2643	2702	2723	2635	2615	2587	2404	2428	2388	2340					
BLACKFOOT	33				0	27	0	0	0	23	83	123	102	69	84	94	65	39	0				0	14	37	62	57	26	34	0						
NEW LAVA SIDE	34										0	14	27	24	15	16	19	27	22	16	12	20	12	19	20	19	8	25	12	11	10					
PEOPLES	35		0	86	117	107	100	126	340	388	471	484	465	500	484	484	498	494	490	492	492	505	488	488	488	494	496	494	488	484	47					
ABERDEEN	36		0	50	70	60	50	0	1210	1180	1290	1320	1320	1330	1330	1330	1330	1330	1340	1340	1340	1340	1340	1340	1350	1350	1340	1310	1330	1320	1310					
CORBETT	37								0	12	13	16	3	3	9	9	11	3	12	8	11	10	4	8	6	13	3	7	6	12	8					
TREGO	38								0	1	1	1	1	1	0				0	1	1	1	1	1	0						0					
MISCELLANEOUS DIVERSIONS	39																																			
TOTAL SHELLEY TO BLACKFOOT	40		0	136	187	194	150	126	1550	1604	1858	1958	1918	1927	1922	1933	1923	1893	1944	1937	1956	1988	1924	1945	1989	2023	1958	1924	1931	1907	189					
THORNTON & NELSON	41																																			
MINIDOKA PROJECT	42	0	204	1224	1868	2812	2990	2970	2970	2970	2970	2970	2970	2980	2970	2980	2980	2980	2980	2970	2980	2970	2980	2980	2920	2900	2820	2800	2760	2710						
MILNER LOW LIFT	43		0	173	173	173	179	197	197	197	197	197	197	197	197	195	195	195	195	195	195	196	198	198	198	198	198	198	198	198	19					
TWIN FALLS CANAL CO.	44		0	236	440	420	400	906	961	973	996	1021	1035	1038	1047	1089	1066	1064	1076	1076	1087	1078	1033	995	1029	1050	1045	1018	1041	1033	103					
NORTH SIDE CANAL CO.	45		0	670	1806	3280	3300	3327	3298	3318	3328	3279	3290	3251	3221	3250	3246	3235	3215	3175	3215	3284	3250	3363	3509	3541	3552	3540	3491	3481	344					
GODDING PROJECT	46	0	282	1400	1390	1400	1410	1430	1430	1440	1440	1440	1440	1450	1450	1440	1490	1480	1480	1470	1470	1480	1460	1480	1480	1460	1450	1440	1450	1460	145					
IDAH0 POWER CO.	47																																			
UNITED STATES	48																																			

STORAGE DIVERSIONS — MAIN RIVER

24 HOUR SECOND-FEET EXCEPT AS NOTED

AUGUST

[illegible]

1948

PT EMBER

P L E M B E R																			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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
5	4	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	SECOND-FEET		ACRE-FEET	OWNED ACRE-FEET			LEASED ACRE-FEET																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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NOTES

- ① 1,384 A.F. FROM GOVERNMENT; 836 A.F. FROM TWIN FALLS CANAL CO.
- ② 560 A.F. FROM GOVERNMENT; 7,780 A.F. TRANSFERRED FROM ENTERPRISE.
- ③ RENTED FROM GOVERNMENT
- ④ 175 A.F. FROM GOVERNMENT; 7,780 A.F. TRANSFERRED TO PROGRESSIVE IRR. DIST.
- ⑤ 36 A.F. FROM GOVERNMENT; 24 A.F. FROM TWIN FALLS CANAL CO.
- ⑥ 523 A.F. FROM GOVERNMENT; 81 A.F. FROM TWIN FALLS CANAL CO.
- ⑦ RENTED FROM TWIN FALLS CANAL CO.
- ⑧ 90 A.F. FROM GOVERNMENT; 2,500 A.F. FROM TWIN FALLS CANAL CO.
- ⑨ QUINN, RADFORD, BAUCHMAN — 154 A.F. FROM GOVERNMENT; CHENEY, ANDERSON, JACKSON — 130 A.F. FROM TWIN FALLS CANAL CO.
- ⑩ INCLUDES PUMP DIVERSIONS AT END OF CANAL FROM MARKET LAKE SPRINGS
- ⑪ SOLD TO PEOPLES CANAL BY BLACKFOOT CANAL
- ⑫ SEE PLATES 22 & 23 FOR AMERICAN FALLS WATER USED ON HENRYS FORK
- ⑬ 94,020 A.F. LAKE WALCOTT ON JULY 7 PLUS 50,120 A.F. GAIN NEELEY TO MILNER JULY 7 TO SEPT. 20

TIME INTERVAL BETWEEN GAGING STATIONS ON SNAKE RIVER
 Plate No 15

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

Moran to Heise - Disch. at Heise

Heise to Shelley - Disch. at Shelley

Shelley to Cloughs - Disch. at Shelley

12000
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0

15 20 25 30 35 40

TIME INTERVAL IN HOURS

MAY

1948

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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YELLOWSTONE	MARYSVILLE	TOTAL ABOVE SQUIRREL	FARMERS OWN	ENTERPRISE	BELL	FALL RIVER	MCBEE	CHESTER	SILKEY	CURR	TOTAL SQUIRREL TO CHESTER
0	0	0	0	0	0	5	0	0	0	1	6
0	0	0	0	0	0	5	0	included	0	1	6
0	0	0	0	0	0	5	0	0	0	1	6
0	0	0	0	0	0	10	0	0	0	1	11
0	0	0	0	0	0	10	0	in	0	1	11
0	0	0	0	0	0	20	0	Fall River	0	1	21
0	0	0	0	0	0	20	0	0	0	2	22
0	0	0	0	0	0	20	0	0	0	2	22
0	0	0	0	0	0	25	0	0	0	2	27
0	0	0	0	0	0	57	0	Canal	0	2	59
0	0	0	0	0	0	57	0	0	0	2	59
0	0	0	0	0	0	57	0	0	0	2	59
0	0	0	0	0	0	60	0	0	0	2	107
0	0	0	0	0	0	150	0	0	0	30	225
0	0	0	0	0	0	151	0	0	8	35	248
0	0	0	0	0	0	151	0	0	8	37	267
0	0	0	0	0	0	160	0	0	10	39	271
0	0	0	0	0	0	180	0	0	10	39	291
0	0	0	0	0	0	220	0	0	12	38	312
0	0	0	0	0	0	241	0	0	14	38	343
0	0	0	0	0	0	300	0	0	14	38	355
0	0	0	0	0	0	352	0	0	16	44	440
0	0	0	0	0	0	360	0	0	18	48	449
0	0	0	0	0	0	360	0	0	26	48	523
0	0	0	0	0	0	360	0	0	34	48	540
0	0	0	0	0	0	360	0	0	34	46	538
0	0	0	0	0	0	362	0	0	33	44	535
0	0	0	0	0	0	4424	0	0	33	43	524
0	0	0	0	0	0	1223	0	0	278	677	6702

HENRYS FORK CANALS

[illegible]

TETON RIVER CANALS

[illegible]

DAILY DISCHARGE IN SECOND-FOOT OF HENRY'S FORK CANALS
JUNE 1948

FALL RIVER CANALS																														TOTAL	
YELLOWSTONE	MARYSVILLE	TOTAL ABOVE SQUIRREL	FARMERS OWN	ENTERPRISE	BELL	FALL RIVER	MCBEE	CHESTER	SILKEY	CURR	TOTAL SQUIRREL TO CHESTER																				
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				

DEWEY		23	23	23	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
LAST CHANGE		86	89	92	95	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94
CROSS CUT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ST. ANTHONY UNION		514	524	540	538	526	534	541	519	512	522	536	529	521	502	499	490	486	482	432	438	381	356	344	310	275	269	263	282	263	405
FARMERS FRIEND		217	209	218	210	205	210	206	218	215	209	195	222	217	209	199	183	195	168	159	159	87	84	61	19	19	19	34	96	100	94
TWIN GROVES		144	160	172	163	163	163	163	163	163	165	165	165	163	160	160	160	172	165	163	151	100	100	90	72	70	70	76	106	106	108
SALEM UNION		260	274	272	271	300	300	300	310	310	315	316	315	310	305	304	302	290	280	276	230	184	155	125	124	124	124	123	125	127	7507
TOTAL ASHTON TO ST. ANTHONY		1244	1279	1317	1300	1312	1325	1331	1332	1318	1327	1337	1345	1322	1285	1277	1249	1267	1219	1148	1141	956	884	791	601	530	529	559	679	666	807
EGIN		407	403	403	399	403	407	407	411	403	399	411	407	411	407	311	382	247	263	295	311	283	243	150	171	212	247	267	267	279	10013
ST. ANTHONY UNION FEEDER		106	109	114	99	97	98	100	97	95	90	97	96	92	80	63	80	73	58	55	52	55	59	33	35	35	40	42	45	48	55
INDEPENDENT		411	411	409	402	402	402	407	411	411	411	411	411	411	402	402	389	393	370	353	269	247	214	180	176	158	167	176	187	198	247
CONSOLIDATED FARMERS		275	280	285	288	285	280	280	280	280	280	280	275	270	265	265	262	0	0	0	244	259	255	251	240	200	180	180	180	170	159
TOTAL STANTHONY TO REXBURG		1194	1205	1211	1188	1187	1187	1194	1195	1197	1184	1185	1193	1171	1158	1119	1046	825	658	587	858	839	777	703	583	573	608	656	690	695	740
TOTAL STANTHONY TO REXBURG		1194	1205	1211	1188	1187	1187	1194	1195	1197	1184	1185	1193	1171	1158	1119	1046	825	658	587	858	839	777	703	583	573	608	656	690	695	740

SIDOWAY		0	0	10	12	15	20	22	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
WILFORD		153	153	153	151	149	146	143	140	150	160	170	182	177	183	194	204	200	187	142	143	137	81	84	83	83	82	80	82	78	134
TETON IRRIGATION		66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
GOOD LUCK		20	25	27	20	8	7	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
PIONEER		20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STEWART		15	15	15	15	16	16	17	17	18	19	20	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
PINCOCK-BYINGTON		13	13	12	12	11	13	19	22	22	21	21	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
PINCOCK-GARNER		14	16	18	18	20	18	16	11	11	10	10	12	14	16	18	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
GARDNER		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TETON ISLAND FEEDER		389	389	382	374	380	369	365	369	365	365	369	365	369	365	369	365	369	365	369	365	369	365	369	365	369	365	369	365	369	365
NORTH SALEM		22	19	16	13	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
ROXANA		35	30	26	20	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
ISLAND WARD		70	73	71	65	52	54	56	59	63	68	60	60	55	50	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
WOODMANSEE-JOHNSON		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EAMES-THOMPSON		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCCORMICK-ROWE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY OF REXBURG		20	20	19	20	22	27	28	29	31	33	36	39	36	39	36	39	36	39	36	39	36	39	36	39	36	39	36	39	36	39
REXBURG IRRIGATION		199	200	201	220	224	230	230	235	235	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240
SAURY-SOMMERS		9	8	7	10	13	14	15	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
TOTAL		1045	1047	1029	1018	998	1014	999	958	1044	1111	1138	1247	1239	1242	1279	1333	1318	1218	1160	1204	1201	1148	1047	847	773	781	723	731	785	31527

FALL RIVER CANALS																															HENRY'S FORK CANALS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
YELLOWSTONE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

DEWEY	20	19	19	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		
LAST CHANGE	65	77	77	75	71	71	78	78	74	81	80	80	81	86	85	85	85	85	85	80	78	77	77	78	78	78	77	82	81	82	81	20	
CROSS CUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
STANTHONY UNION	402	429	422	412	405	402	422	426	439	444	444	444	497	500	402	398	407	409	409	409	409	409	409	409	409	409	409	409	409	409	409	6	
FARMERS FRIEND	94	123	119	96	82	77	99	150	141	26	49	57	95	120	105	109	70	61	51	48	26	45	82	87	86	82	82	58	37	41	61	13	
TWIN GROVES	106	114	112	113	103	104	114	126	148	119	127	160	165	175	150	109	111	115	113	127	128	114	115	97	98	101	103	113	130	130	381	3	
SALEM UNION	150	166	166	166	149	134	134	141	147	178	176	307	307	283	278	227	154	186	222	275	270	266	258	268	184	183	183	183	182	182	182	6	
TOTAL ASHTON TO STANTHONY	837	926	915	865	815	808	854	947	1000	916	1071	1121	1530	1455	1436	1372	1210	1244	1235	1294	1232	1294	1361	1374	1306	1297	1303	1286	1249	1281	359	9	
EGIN	323	327	309	287	265	247	249	295	289	275	313	340	321	223	206	204	210	227	238	243	287	285	309	315	305	301	283	273	301	295	305	86	
STANTHONY UNION FEEDER	52	59	49	44	40	36	38	24	8	22	29	31	68	0	37	52	55	55	55	50	52	48	50	52	52	50	50	62	58	65	139	8	
INDEPENDENT	262	262	258	236	216	200	228	317	300	357	348	346	276	236	234	239	234	224	216	258	251	331	331	331	331	331	331	331	331	331	331	844	9
CONSOLIDATED FARMERS	156	154	153	150	149	146	217	206	206	25	214	203	254	240	240	235	219	201	189	188	183	182	203	203	204	209	216	212	228	232	209	603	9
TOTAL STANTHONY TO REXBURG	793	802	769	717	670	629	732	842	805	679	904	920	919	699	717	730	723	717	706	697	780	770	891	894	897	860	833	806	867	880	874	2452	9

SIDOWAY	8	10	10	8	7	7	9	9	8	13	13	14	14	15	6	6	9	9	9	9	6	6	6	8	8	8	8	12	11	12	12	12	305
WILFORD	140	126	126	128	124	122	152	150	148	147	149	142	150	138	89	89	105	106	106	106	107	107	107	116	116	108	112	114	114	115	111	3067	
TETON IRRIGATION	80	84	82	88	90	90	87	87	87	87	86	85	90	104	106	107	105	106	106	106	107	107	107	116	116	108	112	114	114	115	111	3067	
GOOD LUCK	0	12	12	0	0	0	16	21	21	21	0	24	22	9	10	21	15	14	14	14	14	14	14	14	14	14	14	14	14	14	14	510	
PIONEER	0	19	29	13	13	16	17	21	20	24	23	22	18	17	18	16	19	17	17	14	14	14	14	14	14	14	14	14	14	14	14	605	
STEWART	32	28	29	27	26	24	29	27	20	24	23	22	17	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	398	
PINCOCK-BYINGTON	23	22	22	22	22	22	20	19	18	20	19	19	10	10	10	9	9	9	9	8	8	7	9	9	8	6	7	6	5	8	8	535	
PINCOCK-GARNER	32	32	32	30	27	25	22	20	20	14	13	12	7	7	8	10	9	12	15	15	5	5	5	4	3	3	3	3	2	2	2	55	
GARDNER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	5	5	5	5	3	2	3	3	3	3	3	3	8901	
TETON ISLAND FEEDER	244	251	251	244	280	264	268	233	208	282	275	264	230	324	346	345	330	328	323	289	277	295	308	319	304	302	291	246	304	298	2	8901	
NORTH SALEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ROXANA	26	26	27	29	29	27	23	20	26	29	52	19	14	14	19	24	20	16	14	14	14	14	14	14	14	14	14	14	14	14	14	609	
ISLAND WARD	21	21	21	25	25	20	42	36	21	27	13	23	20	23	30	26	26	24	17	23	22	22	19	18	13	9	22	21	25	25	26	93	
WOODMANSEE-JOHNSON	18	18	18	17	16	16	0	0	0	27	27	23	20	23	30	26	26	24	17	23	22	22	19	18	13	9	22	21	25	25	26	93	
EAMES-THOMPSON	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	93	
MCCORMICK-ROWE	39	36	37	37	36	36	34	32	38	40	41	33	19	19	23	25	24	25	26	26	26	26	26	26	26	26	26	26	26	26	26	93	
CITY OF REXBURG	152	148	150	149	146	144	135	208	196	183	169	164	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93
REXBURG IRRIGATION	152	148	150	149	146	144	135	208	196	183	169	164	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93
SAURY-SOMMERS	7	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	93	
TOTAL	815	840	858	829	855	824	861	847	870	918	925	872	791	951	996	1026	999	976	981	913	816	816	850	848	867	839	834	802	814	832	844	27165	

1948

AUGUST 1948

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
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[illegible]

HENRY'S FORK CANALS

[illegible]

TETON RIVER CANALS

SIDOWAY	12	12	10	10	10	10	10	10	10	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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
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DATE	HENRYS LAKE CONTENTS ACRE-FEET	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-FEET	HENRYS FORK NEAR ISLAND PARK			STORED LOSS ISLAND PARK TO ASHTON	DATE	HENRYS FORK NEAR ASHTON			GRASSY LAKE STORAGE RELEASE (A)	STOR DIVER ASHT ST. ANT (C)
		STORED	NORMAL	TOTAL							STORED	NORMAL	TOTAL			STORED	NORMAL	TOTAL		
JULY 6	81,965								JULY 7	133,990	0				JULY 8	0				1
JULY 7									JULY 8	133,670	0				JULY 9	0				2
JULY 8							0	0	JULY 9	133,590	190	509	699	5	JULY 10	185	1345	1530	0	7
JULY 9							12	12	JULY 10	133,190	452	509	961	11	JULY 11	441	1349	1790	8	7
JULY 10							12	12	JULY 11	131,830	621	509	1130	15	JULY 12	606	1314	1920	0	7
JULY 11							12	12	JULY 12	130,720	821	509	1330	20	JULY 13	801	1669	2470	0	7
JULY 12						0	12	12	JULY 13	128,280	1231	509	1740	31	JULY 14	1200	1350	2550	0	6
JULY 13		0				2	12	10	JULY 14	126,485	1191	509	1700	30	JULY 15	1161	1369	2530	0	7
JULY 14	80,624	166	50	216	7	3	12	9	JULY 15	124,090	1241	509	1750	32	JULY 16	1209	1491	2700	0	7
JULY 15		271	50	321	11	5	12	166	JULY 16	121,500	1331	509	1840	33	JULY 17	1298	1292	2590	0	6
JULY 16		251	50	301	10	5	12	267	JULY 17	119,010	1311	509	1820	33	JULY 18	1278	1502	2780	8	6
JULY 17		246	48	294	10	5	12	248	JULY 18	116,850	1401	509	1910	35	JULY 19	1366	1374	2740	0	7
JULY 18		236	47	283	9	5	12	243	JULY 19	114,715	1331	509	1840	33	JULY 20	1298	1232	2530	0	7
JULY 19		231	47	278	9	5	12	234	JULY 20	112,745	1241	509	1750	31	JULY 21	1210	1360	2570	0	6
JULY 20	75,956	228	46	274	9	5	12	229	JULY 21	110,515	1271	509	1780	32	JULY 22	1239	1331	2570	0	10
JULY 21		226	46	272	9	5	12	226	JULY 22	108,445	1271	509	1780	32	JULY 23	1239	1331	2570	0	11
JULY 22		138	46	184	6	5	12	224	JULY 23	106,335	1351	509	1860	34	JULY 24	1317	1443	2760	0	10
JULY 23		65	45	110	3	5	12	139	JULY 24	103,970	1401	509	1910	35	JULY 25	1366	1414	2780	0	10
JULY 24		65	45	110	3	5	12	69	JULY 25	101,235	1401	509	1910	35	JULY 26	1366	1394	2760	0	10
JULY 25		68	44	112	3	5	12	72	JULY 26	98,740	1391	509	1900	35	JULY 27	1356	1424	2780	51	10
JULY 26	75,570	123	43	166	5	5	12	125	JULY 27	95,435	1391	509	1900	35	JULY 28	1356	1424	2780	51	10
JULY 27		171	42	213	7	5	12	171	JULY 28	93,290	1391	509	1900	35	JULY 29	1356	1424	2780	51	10
JULY 28		171	42	213	7	5	12	171	JULY 29	90,855	1391	509	1900	35	JULY 30	1356	1404	2760	51	10
JULY 29		171	41	212	7	5	12	171	JULY 30	88,465	1381	509	1890	34	JULY 31	1347	1413	2760	51	9
JULY 30		170	40	210	7	5	12	170	JULY 31	86,175	1381	509	1890	34	AUG. 1	1347	1413	2760	51	10
JULY 31		168	40	208	7	6	12	167	AUG. 1	83,950	1371	509	1880	34	AUG. 2	1337	1423	2760	51	9
AUG. 1		169	39	208	7	6	12	168	AUG. 2	81,545	1361	509	1870	34	AUG. 3	1327	1433	2760	51	8
AUG. 2		167	39	206	7	6	12	166	AUG. 3	79,265	1361	509	1870	34	AUG. 4	1327	1393	2720	51	8
AUG. 3		163	39	202	7	6	12	162	AUG. 4	76,975	1291	509	1800	32	AUG. 5	1259	1211	2470	51	9
AUG. 4		164	38	202	7	6	12	163	AUG. 5	75,075	1071	509	1580	27	AUG. 6	1044	1336	2380	51	8
AUG. 5		166	38	204	7	8	12	163	AUG. 6	73,260	1081	509	1590	27	AUG. 7	1054	1306	2360	51	8
AUG. 6		164	37	201	7	8	12	161	AUG. 7	71,330	1018	522	1540	25	AUG. 8	993	1307	2300	51	8
AUG. 7		163	37	200	7	9	12	159	AUG. 8	69,750	681	749	1430	17	AUG. 9	664	1576	2240	51	5
AUG. 8		178	36	214	7	10	12	188	AUG. 9	68,715	634	676	1310	16	AUG. 10	618	1302	1920	51	4
AUG. 9	71,070	194	36	230	8	10	12	189	AUG. 10	67,800	571	629	1200	14	AUG. 11	557	1363	1920	51	4
AUG. 10		195	35	230	8	10	12	187	AUG. 11	67,040	640	560	1200	16	AUG. 12	624	1296	1920	51	4
AUG. 11		193	35	228	8	10	12	190	AUG. 12	66,095	680	520	1200	17	AUG. 13	663	1197	1860	55	4
AUG. 12	69,461	196	34	230	8	10	12	190	AUG. 13	65,065	520	500	1020	13	AUG. 14	507	1103	1610	55	5
AUG. 13		196	34	230	8	10	12	189	AUG. 14	64,580	471	500	971	12	AUG. 15	459	1141	1600	55	6
AUG. 14		195	33	228	8	10	12	188	AUG. 15	64,095	600	500	1100	15	AUG. 16	585	1255	1840	55	7
AUG. 15		194	33	227	8	10	12	189	AUG. 16	63,140	621	489	1110	15	AUG. 17	606	1074	1680	55	7
AUG. 16		195	32	227	8	10	12	190	AUG. 17	62,385	623	487	1110	16	AUG. 18	607	1183	1790	55	7
AUG. 17		195	32	227	8	10	12	190	AUG. 18	61,590	633	487	1120	16	AUG. 19	617	1173	1790	55	7
AUG. 18		196	32	228	8	10	12	193	AUG. 19	60,625	693	487	1180	17	AUG. 20	676	1224	1900	55	7
AUG. 19		197	31	228	8	8	12	195	AUG. 20	59,450	773	487	1260	19	AUG. 21	754	1226	1980	55	7
AUG. 20		197	30	227	8	6	12		AUG. 21	58,165	796	464	1260	20	AUG. 22	776	1204	1980	55	6
AUG. 21		197	30	227	8	6	12		AUG. 22	56,990	796	464	1260	20	AUG. 23	776	1204	1980	55	6

HENRYS FORK — DAILY SEGREGATION OF FLOW

194

24 HOUR SECOND-FOET EXCEPT AS NOTED

PAGE DIONS ON TO THONY	HENRYS FORK AT ST. ANTHONY			STORAGE DIVERSIONS ST. ANTHONY TO REXBURG	STORAGE DIVERSIONS TETON RIVER	DATE	HENRYS FORK NEAR REXBURG		
	STORED	NORMAL	TOTAL				STORED	NORMAL	TOTAL
0	0			0	0	JULY 9	0		
77	-177	794	617	0	44	10	-221	916	695
29	-44	783	739	0	71	11	-115	755	640
21	-272	1108	836	13	181	12	-466	1086	620
45	-139	965	826	389	173	13	-701	1296	595
97	4	1106	1110	351	176	14	-523	1543	1020
37	563	807	1370	276	262	15	25	1185	1210
94	367	1003	1370	274	284	16	-191	1481	1290
35	474	1046	1520	274	329	17	-129	1559	1430
97	601	1009	1610	258	385	18	-42	1512	1470
95	591	1179	1770	235	395	19	-39	1599	1560
81	685	1015	1700	224	370	20	91	1389	1480
21	577	903	1480	216	293	21	68	1252	1320
28	482	1008	1490	258	256	22	-32	1352	1320
99	540	880	1420	353	84	23	103	1067	1170
85	154	1146	1300	454	101	24	-401	1521	1120
23	194	1206	1400	454	104	25	-364	1554	1190
136	330	1100	1430	460	108	26	-238	1518	1280
140	326	1134	1460	427	127	27	-228	1528	1300
139	317	1173	1490	420	125	28	-228	1568	1340
123	384	1196	1580	403	128	29	-147	1627	1480
119	388	1192	1580	424	131	30	-167	1527	1360
136	371	1089	1460	447	136	31	-212	1492	1280
163	335	1105	1440	424	137	AUG. 1	-226	1496	1270
168	430	1000	1430	392	138	2	-100	1480	1380
101	387	1133	1520	360	141	3	-114	1684	1570
49	429	1161	1590	285	140	4	4	1676	1680
95	483	1107	1590	234	140	5	109	1551	1660
36	374	1056	1430	239	138	6	-3	1413	1410
97	198	1142	1340	231	138	7	-171	1501	1330
69	236	1094	1330	229	136	8	-129	1429	1300
32	212	1078	1290	241	140	9	-169	1659	1490
43	-128	1548	1420	267	143	10	-538	2298	1760
29	140	1150	1290	126	142	11	-128	1838	1710
79	129	1121	1250	134	144	12	-149	1839	1690
40	235	1095	1330	131	145	13	-41	1761	1720
57	261	1139	1400	132	0	14	129	1441	1570
18	144	1066	1210	126		15	18	1342	1360
20	-6	1166	1160	148		16	-154	1454	1300
52	-12	1272	1260	190	0	17	-202	1402	1200
04	-43	1183	1140	274		18	-317	1347	1030
83	-121	1251	1130	331	51	19	-503	1485	982
52	-80	1200	1120	298	60	20	-438	1448	1010
15	16	1184	1200	248	53	21	-285	1435	1150
15	94	1186	1280	254	55	22	-215	1465	1250
36	135	1175	1310	254	54	23	-173	1463	1290
78	153	1157	1310	257	54	24	-158	1478	1320

DATE	HENRYS LAKE CONTENTS	HENRYS FORK NEAR LAKE			STORED LOSS LAKE TO ISLAND PARK	STORAGE DIVERSIONS ABOVE ISLAND PARK	F.M. DIST. SHERIDAN CREEK RIGHT	STOR INFLO ISLAND RESE
		STORED	NORMAL	TOTAL				
AUG. 22		197	30	227	8	6	12	19
23		198	29	227	8	6	12	19
24		198	29	227	8	6	12	19
25	63,946	200	28	228	8	6	12	19
26		199	28	227	8	6	12	19
27		198	27	225	8	6	12	19
28		198	27	225	8	6	12	19
29		201	26	227	8	6	12	19
30		199	26	225	8	6	12	20
31		202	25	227	8	6	12	20
SEPT. 1	60,786	224	25	249	9	6	12	24
2		244	25	269	10	6	12	24
3		244	25	269	10	6	12	24
4		244	25	269	10	6	12	23
5		242	25	267	10	6	12	23
6		242	25	267	10	5	12	23
7		240	25	265	10	4	12	23
8		236	25	261	9	4	12	23
9		236	25	261	9	4	12	23
10		236	25	261	9	2	12	23
11		233	25	258	9	0	12	23
12		233	25	258	9		12	23
13		233	25	258	9		12	23
14		231	25	256	9		12	22
15	52,715	220	25	245	8		12	21
16		211	25	236	8		12	21
17	52,481	211	25	236	4		12	10
18		98	25	123	0		0	
19		0	10	10	0		0	
TOTAL		12,890			522	383	864	12,8

- (A) LISTED HERE ONE DAY LATER THAN AT DAM
(B) INCLUDES STORAGE DIVERSIONS FROM FALL R

PAGE W TO D PARK VOIR	DATE	ISLAND PARK RESERVOIR CONTENTS ACRE- FEET	HENRYS FORK NEAR ISLAND PARK			STORED LOSS ISLAND PARK TO ASHTON	DATE	HENRYS FORK NEAR ASHTON			GRASSY LAKE STORAGE RELEASE (A)	STORAGE DIVERSIONS ASHTON TO ST. ANTHONY (B)	HENRYS FORK AT ST. ANTHONY			STORAGE DIVERSIONS ST. ANTHONY TO REXBURG	STORAGE DIVERSIONS FROM TETON RIVER	DATE	HENRYS FORK NEAR REXBURG		
			STORED	NORMAL	TOTAL			STORED	NORMAL	TOTAL			STORED	NORMAL	TOTAL				STORED	NORMAL	TOTAL
5	AUG. 23	55,930	802	458	1260																
6	24	54,635	792	458	1250	20	AUG. 24	782	1158	1940											
6	25	53,410	732	458	1190	20	25	772	1148	1920	55	701	136	1174	1310	213	60	AUG. 25	-137	1517	1380
8	26	52,605	562	458	1020	18	26	714	966	1680	56	692	136	1204	1340	189	25	26	-78	1488	1410
7	27	51,930	632	458	1090	14	27	548	1102	1650	0	678	36	1214	1250	175	23	27	-162	1432	1270
6	28	50,880	792	458	1250	16	28	616	1224	1840		631	-83	1223	1140	166	13	28	-262	1502	1240
6	29	49,700	792	458	1250	20	29	772	1168	1940		670	-54	1184	1130	163	13	29	-230	1610	1380
9	30	48,510	792	458	1250	20	30	772	1148	1920		637	135	995	1130	163	12	30	-40	1440	1400
7	31	47,345	792	458	1250	20	31	772	1148	1920		629	143	1227	1370	163	12	31	-32	1392	1360
10	SEPT. 1	46,110	782	458	1240	19	SEPT. 1	772	1148	1920		603	169	1191	1360	166	0	SEPT. 1	3	1367	1370
11	2	44,935	802	458	1260	20	2	763	1137	1900		476	296	1064	1360	177		2	119	1241	1360
10	3	43,795	822	458	1280	20	3	782	1158	1940		471	292	1068	1360	178		3	114	1226	1340
10	4	42,495	843	457	1300	21	4	802	1198	2000	0	481	301	1069	1370	180		4	121	1219	1340
10	5	41,390	833	457	1290	21	5	822	1158	1980	7	475	327	1033	1360	182		5	145	1235	1380
8	6	40,375	823	457	1280	21	6	812	1168	1980	0	478	351	1009	1360	184		6	167	1243	1410
9	7	39,055	823	457	1280	21	7	802	1138	1940		481	331	1099	1430	141		7	190	1220	1410
7	8	37,790	743	457	1200	19	8	802	1118	1920		479	323	1037	1360	142		8	181	1229	1410
5	9	37,140	583	457	1040	15	9	724	996	1720		477	325	1035	1360	144		9	181	1289	1470
5	10	36,615	504	457	961	13	10	568	1032	1600		373	351	1019	1370	166		10	185	1225	1410
5	11	36,175	504	457	961	13	11	491	1069	1560	0	365	203	1177	1380	114		11	89	1251	1340
4	12	35,690	504	457	961	13	12	491	1069	1560	8	389	102	1198	1300	115		12	-13	1373	1360
6	13	35,210	499	457	956	12	13	491	1069	1560	0	389	110	1190	1300	112		13	-2	1372	1370
6	14	34,735	499	457	956	12	14	487	1073	1560		392	99	1231	1330	113		14	-14	1394	1380
4	15	34,275	493	457	950	12	15	487	1073	1560		356	131	1199	1330	110		15	21	1359	1380
3	16	33,765	483	457	940	12	16	481	1079	1560		341	146	1214	1360	114		16	32	1368	1400
5	17	33,205	483	457	940	12	17	471	1129	1600		336	145	1195	1340	114		17	31	1399	1430
5	18	32,930	215	469	684	5	18	471	1189	1660		331	140	1240	1380	114		18	26	1524	1550
6	19	33,430	4	500	504	0	19	210	1030	1240		0	471	1109	1580	0		19	471	1329	1800
0	20		0	528	528		20	4	1226	1230			210	1100	1310			20	210	1530	1740
							21	0					4	1196	1200			21	4	1736	
													0					22	0		
49			63,599			1,590		62,009			1,563	47,579	15,993		16,213	6,570			-6,790		

STORAGE DIVE

NAME OF CANAL	NO.	JULY																														
		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		
USERS ABOVE ISLAND PARK	1					0	2	3	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6		
CONANT CREEK	2	0	15	16	16	16	16	20	20	20	20	20	19	15	12	19	19	18	18	17	18	18	18	17	18	17	17	14	13			
SQUIRREL CREEK	3		0	11	11	11	11	11	11	10	8	4	4	4	4	8	8	10	11	11	11	10	10	10	10	9	6	6	6			
YELLOWSTONE	4			0	5	5	10	11	12	13	13	7	7	7	7	13	15	15	16	15	16	17	17	14	14	13	13	13	13			
MARYSVILLE	5			0	181	182	191	191	195	194	194	202	201	234	235	222	218	223	222	220	221	235	235	234	246	232	236	225	221			
FARMERS OWN	6	0	12	23	58	63	64	73	73	73	73	73	73	70	75	75	75	89	89	89	89	88	87	87	85	82	82	80	80			
ENTERPRISE	7	0	150	153	160	160	159	0	162	159	159	159	159	156	157	157	158	157	158	160	158	161	157	159	159	157	160	160	157			
BELL	8													0	2	2	0	0	7	7	7	7	7	7	7	6	6	6	6			
FALL RIVER	9					0	26	22	21	19	30	25	25	23	53	20	21	10	16	25	20	11	19	18	15	13	14	8	9			
CHESTER	10			0	74	74	42	15	27	32	24	38	34	32	32	24	21	35	35	35	35	35	35	35	35	35	35	35	6			
MCBEE	11																															
SILKEY	12																															
CURR	13																									14	13	13	13			
DEWEY	14			0	20	20	20	20	20	21	21	21	23	17	17	21	19	19	19	20	20	20	20	20	20	71	63	60	60			
LAST CHANCE	15			0	80	80	81	86	85	85	85	85	85	80	78	77	77	77	78	78	78	77	82	82	81	61	50	72	52			
ST. ANTHONY UNION	16																									61	50	72	52			
FARMERS FRIEND	17		0	26	49	57	95	120	105	109	70	61	51	48	26	45	82	87	86	82	82	58	37	41	61	78	78	78	81			
TWIN GROVES	18				0	10	15	25	25	0						0	114	115	97	98	101	103	113	130	130	180	218	179	178			
SALEM UNION	19			0	67	67	67	43	38	0			0	35	30	16	258	268	184	183	183	183	182	182	182	968	1001	949	895			
TOTAL ASHTON TO ST. ANTHONY	20	0	177	229	721	745	797	637	794	735	697	695	681	721	728	699	1085	1123	1036	1040	1039	1023	1019	1036	1063							
EGIN	21			0	13	40	21	0																		260	228	175	151			
INDEPENDENT	22				0	346	276	236	234	239	239	234	224	216	258	251	331	331	331	298	284	271	276	295	295	132	132	110	83			
CONSOLIDATED FARMERS	23				0	3	54	40	40	35	19	1	0	0	0	102	123	123	129	129	136	132	148	152	129	392	360	285	234			
TOTAL ST. ANTHONY TO REXBURG	24			0	13	389	351	276	274	274	258	235	224	216	258	353	454	454	460	427	420	403	424	447	424							

24 HOUR SECOND-FOOT EXCEPT AS NOTED

AUGUST

SEPT

AUGUST																															SEPT							
	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				
6	8	8	9	10	10	10	10	10	10	10	10	10	10	10	8	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5						
3	12	12	12	12	11	0							0	15	15	14	14	13	12	12	11	10	10	9	8	8	7	7	7	7	7	10	10					
6	2	2	2	2	2	2	2	2	0	0	2	0	0	0	1	1	1	1	1	1	1	1	1	0			0	1	1	1	1	1	1					
3	13	13	13	14	14	13	10	11	7	6	6	6	13	12	12	11	10	11	10	11	10	10	10	6	9	6	10	10	10	10	10	11	11					
38	238	233	216	234	190	184	150	155	145	147	147	145	144	144	172	164	170	170	168	168	168	134	134	134	134	134	0											
78	74	68	68	62	50	40	36	33	33	33	43	43	44	43	48	48	48	48	49	47	42	38	38	34	30	30	30	30	30	30	32	32	30					
7	157	156	157	159	158	156	158	156	154	154	152	152	150	156	150	151	152	153	155	152	151	151	149	147	144	139	139	140	147	148	149	149	150	15				
6	6	6	6	6	6	6	6	6	6	6	6	6	6	4	4	3	0				0	3	2	2	2	2	0											
5	12	13	12	27	0																																	
4	4	4	4	4	0																																	
2	11	8	7	12	12	10	8	7	7	6	6	4	4	4	4	5	5	7	11	11	11	11	11	11	11	6	10	3	3	3	3	4	4					
59	58	58	58	48	47	46	46	46	46	45	44	44	44	43	42	44	44	44	48	48	50	50	50	46	43	43	45	45	45	45	45	43	43					
67	55	37	38	28	39	22	24	41	20	38	39	56	57	31	50	43	43	22	39	41	41	48	22	14	14	16	17	18	17	13	13	13	12					
90	90	95	87	83	0				0	85	86	87	92	78	51	67	91	91	90	83	75	57	74	73	73	58	59	58	52	64	64	64	64					
78	165	164	152	152	0				0	121	161	229	222	166	164	118	118	118	118	118	118	118	170	161	161	161	159	159	159	154	154	154	154	1				
36	897	869	832	843	529	479	440	457	418	520	652	704	783	752	715	715	696	678	701	692	678	631	670	637	629	603	476	471	481	475	478	481	479	4				
E											0	21	23	19	1	0																						
49	146	144	167	204	126	134	131	132	126	148	149	187	214	187	155	162	162	155	148	124	124	124	121	121	121	124	132	134	136	137	139	95	96					
90	85	85	74	63	0				0	0	41	66	94	92	92	92	92	102	65	65	51	42	42	42	42	42	45	44	44	45	45	46	46					
T	39	231	229	241	267	126	134	131	132	126	148	190	274	331	298	248	254	254	257	213	189	175	166	163	163	163	166	177	178	180	182	184	141	142	1			

- 324 A.F. FROM GOVERNMENT; 80 A.F. FR
- FROM FREMONT MADISON DISTRICT
- TO FARMERS OWN
- FROM MARYSVILLE
- 313 A.F. TO DEWEY; 700 A.F. TO FARMERS
- 366 A.F. FROM FALL RIVER; 100 A.F. F

SEPTEMBER												NO.	TOTAL		RESERVOIR RIGHTS IN ACRE-FEET							
6	7	9	10	11	12	13	14	15	16	17	18		SECOND- FEET	ACRE- FEET	FREMONT REGULAR	MADISON SUPPLEMENT	HENRYS LAKE	AMERICAN REGULAR	FALLS LEASE	RENTALS & EXCHANGES	TOTAL RIGHT	HEADGATE EQUIVALENT
6	8	8	4	4	4	2	0					1	383	760	310					① 449	759	759
3	12	12	0	10	10	8	8	8	8	5	5	2	821	1,628	1,856						1,856	1,810
6	2	2	1	0								3	265	526	100	15				② 426	541	527
3	13	13	1	11	12	12	12	12	11	7	7	4	755	1,498	1,704						1,704	1,661
18	238	233	2									5	9,950	19,736	19,419	2,913				③ -305	22,027	21,476
78	74	68	6	25	25	25	20	20	20	22	22	6	3,669	7,277	8,530					④ 305	8,835	8,614
17	157	156	1	155	156	157	155	154	154	151	125	7	10,738	21,299	10,134			12,000	3,000		25,134	23,792
6	6	6										8	183	363	50					⑤ 412	462	450
5	12	13										9	542	1,075	8,279					⑥ -1,024	7,448	7,262
4	4	4										10	880	1,745	1,364					⑥ 466	1,830	1,784
												11	0	0	80						80	78
												12	0	0	504						504	491
												13	0	0	60						60	59
2	11	8	4	3	3	4	13	13	13	9	12	14	809	1,605	619		1,110			⑦ 403	2,032	1,942
59	58	58	13	42	40	39	39	39	26	16	30	15	3,891	7,717	1,773		10,767			⑩ -3,000	12,540	11,850
												16	0	0	3,492		5,278			⑧ 800	6,770	6,486
67	55	37	12	12	16	16	16	21	19	18	21	17	2,981	5,913	5,876					② 862	6,676	6,509
90	90	95	35	0	0	31	29	29	29	37	38	18	3,878	7,691	6,149	922				⑨ -25	7,933	7,733
78	165	164	14	115	103	97	97	96	76	76	76	19	8,217	16,298	7,889		18,785				26,649	24,325
36	897	869	17	373	365	389	389	392	356	341	336	20	47,579	94,371	77,878	3,850	35,940	12,000	3,000	-680	133,081	128,729
												21	138	274	2,373		5,278			⑩ -2,600	5,051	5,207
												22	12,250	24,298	9,058		20,803			⑪ 5,600	35,461	33,711
49	146	144	17	126	108	109	112	113	110	114	114	23	3,825	7,586	4,959		15,603			⑫ 25	20,587	19,524
90	85	85		40	6	6	0					24	16,213	32,158	16,390		41,684			3,025	61,099	58,442
39	231	229	14	166	114	115	112	113	110	114	114											

FROM TWIN FALLS CANAL CO.

 FRIEND; 366 A.F. TO CHESTER; 355 A.F. FROM FREMONT MADISON
 FROM FREMONT MADISON

- ⑦ 90 A.F. FROM TETON ISLAND; 313 A.F. FROM FALL RIVER
- ⑧ 700 A.F. FROM FALL RIVER; 100 A.F. FROM FREMONT MADISON
- ⑨ 25 A.F. TO CONSOLIDATED FARMERS
- ⑩ TO INDEPENDENT
- ⑪ FROM EGIN AND ST. ANTHONY UNION
- ⑫ FROM SALEM UNION

DAILY STORAGE D

CANAL	NO.	JULY																															
		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
TRAIL CREEK IRRIGATION CO.	1																																
STRAIN	2																																
DARBY	3			0	19	18	24	22	21	49	47	77	77	76	76	75	75	74	73	71	69	69	66	65	65	65	66	63	63	63	58	57	2
BRAVO TETON	4								0	37	36	34	0	37	35	34	34	34	34	34	34	32	32	32	31	31	31	31	29	27	27	2	
SOUTH LEIGH	5								0	28	27	49	29	40	39	41	40	38	37	31	0	0	36	31	0								
NORTH LEIGH & SPRING CREEK	6								0	11	24	39	30	26	28	27	28	27	24	0													
CACHE & SWAMPS	7									0	6	16	16	16	16	12	12	12	12	16	16	16	14	13	15	0							
TOTAL DIVERTED IN TETON BASIN	8			0	19	18	98	99	124	224	268	230	201	203	204	196	192	187	154	125	123	159	146	112	115	98	99	97	97	94	87	86	5
EQUIVALENT AT ST. ANTHONY GAGE (1)(2)	9					11	10	56	57	71	128	153	131	115	116	117	112	110	107	88	71	70	90	83	64	65	56	56	55	55	53	50	4
CANYON CREEK (2)	10	0	8	20	24	24	24	24	24	24	22	20	20	20	19	19	18	18	17	17	17	17	17	17	17	12	13	13	13	13	13	14	
STORAGE INFLOW FROM CROSS CUT	11					0	146	160	151	146	137	137	138	134	23	84	101	104	108	127	125	128	131	136	137	138	141	140	140	138	138	136	14
SIDDEWAY	12																																
MILFORD	13																																
GOOD LUCK	14			0	81	74	82	70	21	21	20	19	19	18	17	16	17	14	14	15	11	12	7	8	8	5	5	1	0	1	2	2	
TETON IRRIGATION	15			0	14	12	0	0	11	5	4	4	4	4	3	4	4	4	4	4	4	8	4	4	4	4	4	4	4	4	4	3	
PIONEER	16																																
STEWART	17							0	7	3	8	6	6	6	2	0	3	3	3	3	6	2	3	3	3	1	0						
THOMPSON-EAMES	18					0	8	12	13	13	13	9	9	5	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	
GARDNER	19						0	5	0						0	2	2	2	0	0	2	2	2	1	1	0	0	2	2	2	2	2	
PINCOCK-BYINGTON	20					0	3	3	3	0	3	5	5	5	4	3	2	2	3	3	3	2	2	2	2	1	2	2	2	2	2	3	
PINCOCK-GARNER	21			0	12	3	3	3	3	2	2	2	1	1	0	0	0	1	0					0	1	1	1	0	1	1	0		
TETON ISLAND FEEDER	22									1	0	3	6	6	6	5	5	5	6	6	7	8	8	9	9	6	4	8	8	7	7	10	
OKANA	23	0	10	13	36	3	0	0	3	8	4	4	0						0	11	0	12	11	11	16	16	16	2	3	4	1	1	
ISLAND WARD	24	0	21	27	13	23	26	20	36	41	60	42	31	22	21	18	33	38	48	39	32	31	35	22	7	12	14	46	52	36	23	19	
DOOMANSEE-JOHNSON	25								0	16	16	14	12	15	12	0	0	5	0	8	17	15	17	18	19	24	23	24	16	14	14	2	
CITY OF REXBURG	26	0	5	11	13	14	6	0					0	4	4	2	0						0	3	5	0	3	1	1	0			
REXBURG IRRIGATION	27					0	14	69	106	124	105	114	126	72	49	31	32	27	26	34	40	0	0	13	22	11	39	0			0	27	
CORMICK-ROWE	28																																
TOTAL BELOW ST. ANTHONY GAGE	29	0	36	51	157	138	142	182	203	234	235	222	219	158	121	84	101	104	108	127	125	128	131	136	137	138	141	140	140	138	138	136	14
TOTAL TETON RIVER	30	0	44	71	181	173	176	262	284	329	385	395	370	293	256	220	231	232	232	232	213	215	238	236	218	215	210	209	208	206	204	200	20

VERSIONS FROM TETON RIVER 1948

24 HOUR SECOND-FEET EXCEPT AS NOTED

AUGUST

AUGUST																															NO.	TOTAL		RESERVOIR EQUIVALENT ACRE-FEET	CREDIT FOR USE FROM UPPER TERN ACRE-FEET	FREMONT MADISON RIGHT		AMERICAN FALLS RENTALS ACRE-FEET	RE EX AC
9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	SECOND- FEET	ACRE- FEET	REGULAR ACRE-FEET	SUPPLEMENT ACRE-FEET													
60	56	53	51	50	49	49	49	48	49	49	50	49	48	46	47	39	46	44	42	41	0	1	2,896	5,744	4,020		3,102	465	5										
27	28	28	27	24	24	24	24	24	23	21	20	20	20	20	20	21	20	19	19	19	0	2	1,401	2,778	1,882		1,319	198	5										
																						3	107	212	145				5										
																						4	466	924	637		880												
																						5	264	524	361		857		5										
																						6	224	444	306		372												
																						7	85	169	115		145												
2	2	2	2	2	2	0																8	5,443	10,795	7,466		6,675	663											
0	89	86	83	80	76	73	73	72	72	70	70	69	68	66	67	60	66	63	61	60	0	9	3,106	6,161	7,466		6,675	663											
9	51	51	49	47	46	43	43	42	42	41	41	40	40	39	39	38	38	34	38	36	35	34																	
																						10	788	1,563	1,803				3 1,200 4										
4	14	14	12	12	13	13	12	11	10	9	10	10	10	10	10	10	10	9	9	9	9	0	11	4,523	8,976														
0	143	142	144	145	0				0	51	60	53	55	54	54	60	25	23	13	13	12	12	0	12	0	0		490											
																						13	596	1,182	1,410		1,948												
3	5	4	4	0							0	1	1	2	2	0	0	2	2	0		14	154	305	362		337	50											
3	3	3	3	0																		15	0	0	0		1,444												
																						16	68	135	163		151	23											
																						17	170	337	406		412	62											
											0	5	5	0			0	5	0			18	39	77	93		120												
3	3	4	4	3	0																	19	92	182	219		152	23	5										
2	2	2	2	2	0						0	1	1	1	1	1	0					20	35	69	87		270												
3	3	4	4	4	0																	21	190	377	453		432	65											
											0	4	4	3	2	3	3	3	0			22	1,017	2,017	2,430	6,700	9,186		8										
7	6	6	5	4	0						0	1	4	0	0	33	41	12	4	5	0	23	197	391	472	76	699												
8	66	95	103	115	0						0	1	0	1	0							24	1,110	2,182	2,600		3,753		6										
2	4	4	0								0	36	26	34	39	39	0					25	518	1,027	1,240	64	1,390		7										
8	0										0	10	18	2	7	9	15	15	13	12	6	26	72	143	173		500												
0	20	20	19	17	0																	27	1,191	2,362	2,850		2,557	383											
											0	11	2	0								28	0	0	0		103												
1	31	0																				29	5,449	10,786	12,958	6,840	23,944	606											
											0	51	60	53	55	54	54	60	25	23	13	13	12	12	0														
0	143	142	144	145	0																	30	9,343	18,531	22,227	6,840	30,619	1,269	1,200										
13	208	207	205	204	59	56	55	53	52	101	111	103	105	103	103	108	73	67	60	58	56	55	0																

PLATE NO.23

CHANGES IN ACRE-FOOT	TOTAL RIGHTS IN RESERVOIR ACRE-FOOT
453	4,020
365	1,882
145	145
	880
32	889
	372
	145
995	8,333
995	8,333
603	1,803
	490
	1,948
	387
	1,444
	174
	474
	120
56	231
	270
	497
-693	15,193
	775
	3,753
-36	1,418
36	536
	2,940
	103
-637	30,753
961	40,889

- ① DIVERSIONS DIVIDED BY 1.75
- ② LISTED ONE DAY LATER THAN ACTUAL DIVERSION
- ③ RENTED FROM GOVERNMENT
- ④ FROM TETON ISLAND
- ⑤ FROM FREMONT MADISON DISTRICT
- ⑥ TO CITY OF REXBURG
- ⑦ FROM WOODMANSEE-JOHNSON
- ⑧ 90 A.F. TO DEWEY CANAL; 603 A.F. TO CANYON CREEK
- ⑨ 6,570 S.F. EXCLUDING DIVERSIONS ABOVE ST. ANTHONY,
JULY 22 TO AUG.30, WHICH WERE CREDITED TO CANALS
BELOW ST. ANTHONY.

OPERATION OF CROSS CUT CANAL DURING 1948

PLATE NO. 23A

LOCATION	24 HOUR SECOND- FEET																															
	JULY															AUGUST																
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	1	2	3	4	5	6	7	8	9	10	11	12
DIVERTED AT HEAD	362	369	375	373	362	371	368	367	275	304	324	328	357	359	361	356	362	363	364													
INFLOW FROM FALL RIVER CANAL	32	25	9	9	14	5	5	5	3	2	2	2	2	4	4	4	5	5	7	6700	363	366	362	363	364	358	359	358	362	355	350	353
TOTAL SUPPLY	394	394	384	382	376	376	373	372	278	306	326	330	359	363	365	360	367	368	371	144	7	8	8	7	7	7	7	7	7	7	7	
MIDDLE BRANCH DIVERSION	92	96	91	93	94	94	95	95	133	96	99	100	101	102	102	102	102	99	99	6844	370	374	370	370	371	365	366	365	369	362	357	360
NORTH BRANCH DIVERSION	131	115	115	118	116	118	118	116	115	115	112	112	112	113	115	113	113	115	116	1885	99	99	99	99	101	101	101	101	103	95	97	96
CROSS CUT BELOW FALL RIVER CANAL DIVERSIONS	171	183	178	171	166	164	160	159	30	95	115	118	146	148	148	145	152	154	156	2198	116	116	112	109	108	105	106	105	107	105	100	98
CROSS CUT AT END	146	160	151	146	137	137	138	134	23	84	101	104	108	127	125	128	131	136	137	2759	155	159	159	162	162	159	159	159	159	162	160	166
LOSS	25	23	27	25	29	27	22	25	7	11	14	14	38	21	23	17	21	18	19	2353	138	141	140	140	138	138	136	140	143	142	144	145
																				406	17	18	19	22	24	21	23	19	16	20	16	21

LOCATION	AUGUST																				SEPTEMBER								
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	1	2	3	4	5	6	7	8	TOTAL
DIVERTED AT HEAD	147	145	140	140	129	194	214	218	218	217	216	215	191	154	126	126	127	125	133	7 488	132	135	134	131	131	120	120	120	1023
INFLOW FROM FALL RIVER CANAL	7	7	7	7	43	43	43	33	33	33	33	42	42	39	42	42	42	44	45	713	43	43	43	44	44	44	44	44	349
TOTAL SUPPLY	154	152	147	147	172	237	257	251	251	250	249	257	233	193	168	168	169	169	178	8 201	175	178	177	175	175	164	164	164	1372
MIDDLE BRANCH DIVERSION	66	64	60	60	91	90	87	85	85	84	85	86	97	62	50	50	36	36	72	2537	69	71	71	69	69	71	71	71	562
NORTH BRANCH DIVERSION	88	88	87	87	81	81	95	96	96	96	95	96	96	93	90	90	106	106	106	3060	106	107	106	106	106	93	93	93	810
CROSS CUT BELOW FALL RIVER CANAL DIVERSIONS	0	0	0	0	0	66	75	70	70	70	69	75	40	38	28	28	27	27	0	2604									0
CROSS CUT AT END	0	0	0	0	0	51	60	53	55	54	54	60	25	23	13	13	12	12	0	2 170									0
LOSS	0	0	0	0	0	15	15	17	15	16	15	15	15	15	15	15	15	15	0	434									

LOSS IN CROSS CUT CANAL FOR JULY AND AUGUST, FROM STATION BELOW FALL RIVER CANAL DIVERSIONS TO END, = 840 SECOND- FEET = 15.7 %

MISCELLANEOUS

STREAM	JUNE																																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2				
UPPER TETON RIVER																																				
TRAIL CREEK ABOVE STRING CANAL																265	275	275								235							195			
GAME CREEK AT MOUTH																130	118	110								80							81			
STRING CANAL																																		58		
KIMBALL																											40							36		
RICKS-KIRSLEY																											25							20		
TOWN																											32							46		
SPENCER																											40							29		
HUMBLE																											11							10		
TONKS																																		30		
FOX CREEK ABOVE DIVERSIONS																																				
NORTH CANAL																		94																		
DARBY CREEK ABOVE DIVERSIONS																																				
HILL CANAL																																		114		
TODD																										160								29		
CANNON																																		38		
CHERRY GROVE																																		15		
GRAND TETON CANAL																																		26		
CENTRAL TETON CANAL																										240		275								
SOUTH LEIGH CREEK AT STATE LINE																																				
BIG HOGG CANAL																										113	113					92				
LITTLE HOGG																										32						32				
KILPACK																										0						0				
LON FULLMER																										1						1				
NORTH LEIGH CREEK AT FOREST BOUNDARY																										0						0				
SPRING CREEK AT HIGHWAY																																	112			
TETONIA CANAL																																				
BADGER CREEK 2 MILES EAST OF HONEYDALE SCHOOL																																		64		
CANYON CREEK CANAL				39	40					42																		44								
SWAN VALLEY																																				
NORTH FORK OF INDIAN CREEK															45																			32		
SOUTH FORK OF INDIAN CREEK															45																			28		
PALISADE CANAL																	62																	41		
PALISADE CREEK BELOW PALISADE CANAL																																		80		
RAINEY CREEK ABOVE DIVERSIONS															62																			45		
UPPER FALL RIVER																																				
BOOM CREEK CANAL																																				
SQUIRREL CREEK CANAL																																				
CONANT CREEK CANAL																																				
UPPER HENRYS FORK																																				
SHERIDAN CREEK ABOVE DIVERSIONS																																				
MORAIN CREEK																																				
SHERIDAN CREEK AT HIGHWAY 22																																				

① INCLUDES FLOW IN WARM CREEK

US STREAMFLOW RECORDS 1948

24 HOUR SECOND-FOET

JULY

24 HOUR SECOND-FEET

JULY

AUG

[illegible]

US STREAMFLOW RECORDS 1948

24 HOUR SECOND-FEET

24 HOUR SECOND-FEET

JULY

AUG

[illegible]

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4651.0	4931.60	5232.80	5492.10	5786.50	6047.70	6310.90	6445.60	8126.80	8503.00	5777.00	3332.00
2	4662.80	4943.20	5244.40	5501.50	5796.00	6054.80	6320.50	6445.60	8174.80	8505.60	5557.80	3245.40
3	4676.60	4957.00	5253.70	5515.50	5796.00	6064.40	6330.10	6440.80	8222.90	8508.20	5557.80	3245.40
4	4685.80	4968.60	5260.70	5522.50	5800.70	6071.60	6337.30	6440.80	8266.10	8503.00	5557.80	3245.40
5	4692.60	4984.70	5267.70	5539.00	5807.80	6078.70	6349.40	6436.00	8291.60	8495.30	5454.70	3082.40
6	4704.10	4991.60	5277.00	5555.50	5812.60	6083.50	6359.00	6431.10	8317.00	8490.20	5270.00	2997.20
7	4713.20	4996.30	5288.60	5564.90	5819.70	6088.30	6368.60	6426.30	8347.60	8490.20	5270.00	2893.30
8	4724.70	5012.40	5297.90	5590.80	5824.40	6095.50	6375.80	6438.40	8388.30	8490.20	5088.70	2748.20
9	4733.90	5030.90	5307.30	5604.90	5831.50	6105.00	6375.80	6443.20	8408.60	8311.90	5019.30	2676.90
10	4740.70	5040.10	5314.30	5612.00	5841.00	6114.60	6378.20	6443.20	8423.90	8210.70	4943.20	2608.20
11	4749.90	5051.60	5323.60	5621.40	5852.90	6121.70	6383.00	6440.80	8434.10	8157.20	4897.00	2554.40
12	4756.80	5060.90	5330.70	5633.20	5862.40	6128.90	6385.40	6438.40	8444.20	8063.70	4853.20	2500.70
13	4766.00	5067.80	5337.70	5642.60	5871.90	6133.70	6385.40	6436.00	8444.20	7962.60	4818.60	2461.40
14	4777.40	5077.10	5347.00	5649.70	5883.70	6143.20	6385.40	6438.40	8454.40	7837.20	4777.40	2401.80
15	4782.00	5086.40	5354.10	5656.80	5895.60	6157.60	6385.40	6431.10	8464.60	7714.40	4694.90	2330.40
16	4791.20	5098.00	5363.40	5661.50	5905.10	6164.70	6385.40	6436.00	8464.60	7609.80	4605.50	2265.10
17	4804.90	5105.00	5370.40	5668.50	5914.60	6171.90	6385.40	6457.60	8474.80	7497.70	4523.70	2234.50
18	4811.80	5112.00	5375.10	5675.60	5928.80	6183.80	6397.50	6530.00	8474.80	7388.70	4423.60	2230.50
19	4821.00	5121.30	5382.10	5685.00	5940.60	6198.20	6399.90	6617.20	8474.80	7272.50	4337.60	2248.80
20	4830.10	5130.60	5393.80	5715.70	5945.40	6210.10	6399.90	6726.20	8485.10	7149.30	4242.80	2267.20
21	4837.00	5137.50	5403.20	5722.70	5952.50	6219.70	6399.90	6855.40	8490.20	7048.60	4145.90	2277.40
22	4846.20	5146.80	5411.90	5732.20	5985.70	6231.60	6404.70	6994.60	8508.20	6794.50	4058.70	2287.60
23	4853.20	5155.80	5424.30	5736.90	5995.20	6238.80	6409.50	7132.10	8508.20	6694.50	3973.70	2293.70
24	4862.40	5167.80	5433.60	5743.90	6002.30	6246.00	6411.90	7260.10	8503.00	6653.60	3898.00	2301.90
25	4871.60	5174.70	5440.60	5748.60	6009.50	6250.80	6411.0	7388.70	8497.90	6588.20	3824.90	2310.00
26	4880.90	5184.00	5447.70	5753.40	6016.60	6262.80	6433.50	754.000	8497.90	6476.80	3754.00	2312.00
27	4887.80	5191.00	5452.30	5758.10	6026.20	6267.60	6433.50	7689.40	8500.50	6359.00	3668.00	2316.10
28	4894.70	5200.30	5459.40	5765.10	6031.00	6272.40	6433.50	7822.20	8500.50	6241.20	3624.20	2324.30
29	4906.20	5207.30	5468.70	5769.90	6040.50	6279.60	6433.50	7935.10	8497.90	6119.30	3549.60	2334.50
30	4915.50	5218.90	5478.10	5774.60	6047.60	6289.20	6438.40	8025.80	8025.80	5997.60	3479.50	2342.60
31	4924.70		5485.10	5779.40		6298.90						

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8	5	4	4	4	4	5	1050	7010	2980	6790	1660
2	8	4	4	4	4	4	5	1190	7370	2990	6640	5110
3	8	4	4	4	4	4	5	1220	7420	2990	6320	1800
4	8	4	4	4	4	4	5	1180	7420	2940	6010	4720
5	8	4	4	4	4	4	5	1180	7470	2460	5720	4870
6	8	4	4	4	4	4	5	1190	7510	3100	5490	4870
7	5	4	4	4	4	4	5	1170	7460	5160	5330	4780
8	4	4	4	4	4	4	291	1200	7560	5600	5250	4490
9	4	4	4	4	4	4	495	1350	7600	5670	4980	4140
10	4	4	4	4	4	4	495	1350	7580	5690	4120	3560
11	4	4	4	4	4	4	495	1350	7560	6720	2860	2990
12	4	4	4	4	4	4	495	1360	7550	6930	2210	2880
13	4	4	4	4	4	4	495	1370	6500	8180	2570	2880
14	5	4	4	4	4	4	490	1380	5120	8430	4070	3840
15	5	4	4	4	4	4	485	1410	5460	7120	5490	4000
16	5	4	4	4	4	4	485	1420	4900	7050	5400	2930
17	5	4	4	4	4	4	485	492	4400	7560	5410	1690
18	5	4	4	4	4	4	490	24	4360	7580	5480	616
19	5	4	4	4	4	4	562	24	3890	7330	5480	28
20	5	4	4	4	4	4	613	23	3860	7150	5720	28
21	5	4	4	4	4	4	613	26	3940	7150	5360	27
22	4	4	4	4	4	4	613	28	4680	7350	5190	28
23	4	4	4	4	4	4	656	25	4680	7420	4980	28
24	4	4	4	4	4	4	684	27	4260	7330	4610	27
25	4	4	4	4	4	4	710	86	3780	7190	4340	27
26	4	4	4	4	4	4	789	442	3080	7170	4080	27
27	4	4	4	4	4	4	818	1980	3080	7190	3880	27
28	4	4	4	4	4	4	824	3270	3060	7240	4370	27
29	4	4	4	4	4	4	836	4270	2650	7200	4440	27
30	4	4	4	4	4	4	879	5140	2680	6860	4380	27
31	4	4	4	4	4	4		6180		6760	4580	

MEAN	311	240	246	230	307	27,440	84,110	325,100	381,800	300,600	135,200
5.1	4.0	4.0	Est. 4.0	Est. 4.0	Est. 5	461	1,368	5,463	6,209	4,889	2,272

MEAN 1,730
ACRE-FOOT 1,255,830
YEAR

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3750	3120	2780	2450	2200	2120	2250	9150	27000	12000	10700	7410
2	3750	3060	2880	2500	2200	2180	2660	8170	28600	12300	10700	7350
3	3660	3170	2850	2420	2250	2140	2740	7460	30100	12200	10600	7780
4	3600	3210	2830	2500	2250	2130	2640	7550	30100	11800	10300	7550
5	3540	3210	2830	2500	2250	2130	2640	7550	28500	11300	10100	7380
6	3520	3150	2810	2500	2250	2120	2560	7780	27400	10400	9800	7520
7	3500	3050	2830	2530	2200	2130	2480	9280	27700	10100	9520	7520
8	3480	3080	2800	2740	2200	2180	2400	11000	28200	11900	9380	7490
9	3460	3120	2780	2940	2200	2160	2440	9940	28700	12000	9490	7350
10	3400	3060	2660	2730	2200	2130	2730	8920	28100	11900	9150	6990
11	3360	3060	2580	2600	2200	2120	3140	8510	27100	11400	8540	6680
12	3300	3060	2630	2530	2200	2080	3060	8360	26100	12400	7380	6040
13	3230	3010	2500	2480	2200	2090	3010	8450	25000	12400	6450	5910
14	3230	3050	2530	2360	2200	2140	3060	9050	23000	13400	6260	5680
15	3230	3050	2610	2350	2300	2180	3300	10100	20600	13800	7210	6260
16	3250	3050	2600	2350	2380	2140	3970	11500	19300	12400	8700	6760
17	3300	3030	2470	2350	2450	2130	5140	14100	17900	12000	8730	6320
18	3340	2990	2550	2350	2450	2140	6240	16800	16800	12400	8670	5540
19	3320	3010	2550	2350	2450	2140	6240	17000	15800	12400	8760	5180
20	3280	2970	2530	2330	2400	2140	5880	19600	15500	12200	8580	4300
21	3270	2850	2500	2300	2310	2080	6390	20800	15300	11800	8760	3790
22	3230	2850	2500	2350	2340	2080	7290	22100	16900	11600	8510	3580
23	3230	2800	2560	2440	2360	2130	7640	21500	18400	11600	8360	3420
24	3230	2800	2500	2440	2250	2240	7210	20100	17700	11700	8270	3300
25	3230	2850	2500	2420	2160	2310	7350	20200	16800	11700	7870	3250
26	3190	2880	2480	2400	2200	2270	6970	21000	15600	11400	7610	3210
27	3150	2960	2480	2160	2220	2200	6390	22000	13800	11300	7320	3080
28	3120	2920	2500	2050	2180	2200	6840	24200	13200	11200	7020	3080
29	3120	2780	2450	2100	2180	2250	9380	26000	12700	11200	7270	3080
30	3150	2680	2420	2150	2120	2340	10300	27100	12000	11200	7410	3080
31	3140		2420	2200		2340	26400	26400	10800	10800	7240	

MEAN	3,341	2,995	2,611	2,415	2,259	2,166	1,804	14,890	21,460	11,810	8,537	5,529
AGRE-	205,400	178,200	160,600	148,500	130,000	133,200	285,900	915,800	1,277,000	726,300	524,900	329,000
FEET												

Year
MEAN
AGRE-FEET
6,908
5,014,800

YEAR	MEAN	ACRE-FEET
1960	6,129	7,450,100

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	89	310	320	320	125	236	512	98	239	28	37	40
2	87	340	315	311	135	165	536	86	235	37	30	35
3	84	400	311	304	139	180	549	88	221	30	21	23
4	80	458	304	306	140	200	543	100	204	30	21	35
5	74	420	336	336	126	180	486	114	100	152	21	23
6	74	363	332	332	106	174	449	116	100	100	22	19
7	74	322	314	302	126	172	454	105	47	28	16	16
8	69	298	302	302	130	129	459	80	10	39	28	16
9	94	310	294	294	132	107	501	34	66	14	16	14
10	98	292	295	295	125	116	562	19	8	126	12	12
11	110	290	222	160	75	115	564	18	6	145	14	14
12	140	298	259	155	75	108	525	14	8	143	25	25
13	162	302	354	150	71	121	500	24	8	102	33	33
14	189	369	273	150	75	146	490	32	8	557	23	23
15	289	327	286	145	85	158	504	32	8	28	23	23
16	267	332	318	144	95	166	524	37	10	30	16	16
17	255	327	348	135	100	183	574	42	12	36	21	21
18	255	330	250	126	105	172	588	60	19	43	55	55
19	250	327	280	120	110	144	592	106	36	41	97	97
20	241	311	285	120	110	115	577	127	34	29	102	102
21	207	288	285	110	101	101	538	227	31	35	97	97
22	215	274	285	105	106	106	446	404	26	41	98	98
23	213	270	280	105	154	154	960	500	21	102	88	88
24	210	275	260	105	356	356	294	531	21	71	88	88
25	211	280	240	105	376	376	135	518	52	36	94	94
26	215	161	220	103	327	327	82	474	106	35	103	103
27	215	404	200	110	236	236	66	474	60	34	103	103
28	207	313	190	115	190	190	88	416	40	31	94	94
29	308	282	185	120	225	225	95	318	34	25	96	96
30	295	327	180	120	364	364	100	282	44	20	122	122
31	290		180		452	452	112		35	25		

MEAN	11,040	19,040	16,870	8,340	5,410	11,110	16,140	25,400	10,860	3,650	3,050	3,220
FEET	180	320	274	136	94.1	181	271	413	183	59.3	49.5	54.2

MEAN
185
134,130
ACRE-FOOT
YEAR

Snake River near Blackfoot, Idaho

Day Oct. Nov. Dec. Jan. Feb. Mar. Apr. May June July Aug. Sept.

1	2620	3490	3700	2170	2270	3320	3440	11300	21200	10100	928
2	2690	3490	3850	2160	2450	3250	3220	10600	20500	9380	140
3	2680	3540	3880	3270	2620	3200	3410	10100	21200	9100	125
4	2700	3870	3790	3360	2520	3080	4050	9550	22700	9100	1320
5	2500	4060	3790	3540	2780	3160	3870	9190	23600	8550	1370
6	2420	4060	3810	3880	2820	2930	3940	9330	23600	6200	1480
7	2310	4030	3780	3810	2740	2900	3690	9330	22400	3880	1100
8	2280	3990	3830	3870	2640	3160	3490	10300	20500	1810	695
9	2340	4140	3740	3810	2900	3290	3320	12300	19500	1630	1580
10	2320	4170	3650	4100	2750	3040	3300	12700	19400	1090	2090
11	2440	4140	3250	4000	2930	3560	11700	19800	18800	744	2520
12	2960	4140	3000	3740	2870	4040	9980	10800	18800	498	2520
13	3080	4190	2810	3200	2410	3880	9980	17200	17200	318	1670
14	3060	4330	3060	2560	2310	3090	3760	16100	16100	380	840
15	3120	4240	3080	1980	2380	3160	3720	9610	14000	654	594
16	3090	4200	3030	1920	2820	3200	3990	10100	11500	1410	470
17	3040	4100	3240	2200	3270	4540	4540	10900	9660	1170	880
18	3040	4010	3690	2340	3420	3140	6960	12200	8440	864	1040
19	3060	3880	3560	2170	3480	3110	6960	14400	8040	1030	800
20	3040	3740	3720	2310	3700	3030	7720	15900	8180	1140	600
21	2900	3650	3740	2170	3720	3030	7380	17800	9190	1130	660
22	3000	3480	3740	2100	3780	3010	7740	19000	12300	848	904
23	2930	3600	3530	2450	3720	3010	8770	20200	15300	540	1420
24	2950	3600	3530	3040	3700	3250	9380	20600	17700	594	1270
25	2930	3760	3390	2820	3780	3580	9210	18500	18600	730	996
26	3000	3650	2950	2630	3700	9100	16400	19000	18300	1010	832
27	3090	3850	2740	2740	3600	8880	15500	18300	16400	800	702
28	3110	3830	2840	2560	3460	8150	15700	16400	16400	624	667
29	3250	3810	2810	2090	3490	7960	17200	14000	17000	612	546
30	3440	3670	2860	1990	3270	3540	19300	12000	18300	832	450
31	3410						21000			786	540

MEAN	2,861	3,883	3,399	2,810	3,021	3,167	5,657	13,580	16,640	2,503	1,087	1,319
ACRE- FEET	175,900	231,000	209,000	172,800	173,800	194,800	356,600	835,300	990,000	153,900	66,830	78,500

YEAR
MEAN
ACRE-
FEET
3,638,430
4,984

YEAR
ON
JANUARY

MEAN
ACTUAL-FIT

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	690530	841940	1068710	1203570	1311350	1477180	1677580	1697200	1705040	1710080	1289830	839270
2	691900	846900	1075430	1211630	1317780	1482940	1681500	1702240	1705040	1713470	1273750	824410
3	693610	856420	1079940	1213070	1321350	1490270	1683750	1705600	1700560	1712900	1258660	808460
4	697710	865670	1084000	1220740	1325700	1496550	1691030	1697200	1698880	1709520	1240400	791420
5	699750	873910	1087150	1228410	1329170	1502310	1696640	1701120	1698880	1706720	1223140	778320
6	702490	879790	1087600	1232730	1332140	1507550	1697200	1698320	1700560	1704480	1211150	765690
7	704540	883710	1093920	1236570	1335110	1513380	1701680	1695520	1701680	1696080	1196510	752350
8	705220	889590	1103390	1239920	1341050	1522430	1700560	1691030	1701680	1687670	1182850	740040
9	710690	904600	1106990	1245200	1348470	1531480	1694400	1705600	1700560	1673660	1168720	727400
10	712050	912280	1110150	1250000	1351940	1537340	1693270	1716320	1698320	1658710	1155670	714440
11	714790	921580	1112850	1255750	1354910	1541600	1694400	1708960	1698320	1639910	1143220	701120
12	718970	929670	1117400	1266940	1356420	1547450	1696640	1703920	1704480	1624430	1133080	690870
13	723180	938160	1120630	1270830	1358940	1552780	1700000	1700000	1605830	1622940	1122940	680320
14	727050	944720	1120630	1273750	1361470	1558100	1697200	1701120	1587900	1587900	1108350	669370
15	730560	954320	1130310	1275210	1365000	1566160	1701680	1701120	1571660	1571660	1092110	658740
16	735120	964330	1134460	1275700	1371550	1573770	1702240	1702800	1555970	1555970	1076330	648450
17	741090	975180	1137230	1275210	1376090	1580290	1700560	1701680	1541060	1541060	1060790	640070
18	748810	984390	1139530	1277650	1380630	1585180	1699440	1707280	1525090	1525090	1044940	634270
19	755600	995120	1142760	1283490	1385670	1591160	1706160	1708400	1504930	1504930	1024300	630080
20	761370	1001990	1145990	1284470	1391720	1596050	1708400	1709520	1488700	1488700	1013570	631700
21	765330	1009710	1151980	1283980	1398280	1604200	1708400	1710640	1700560	1475610	998980	633310
22	768580	1015720	1161200	1283980	1407910	1612900	1710640	1714040	1710640	1473900	965170	632980
23	777230	1024300	1165430	1283980	1421280	1620560	1714040	1714040	1714040	1423850	950150	634270
24	782280	1033930	1168720	1285440	1428990	1626090	1712330	1714040	1715750	1423850	950150	634270
25	788080	1038780	1175320	1289830	1437730	1624990	1705040	1709520	1715750	1409450	936140	636850
26	783640	1040540	1182850	1295180	1445450	1636600	1709520	1701680	1716320	1394250	923600	642970
27	600310	1046700	1184260	1296640	1450590	1645990	1708960	1697760	1715750	1373570	909040	650770
28	806610	1050220	1188030	1300050	1459380	1653730	1704480	1695520	1714040	1354410	882530	658740
29	814390	1053300	1195560	1302970	1467230	1658160	1695520	1695520	1712330	1324710	868420	664720
30	822180	1059020	1196980	1305410	1471120	1665890	1695890	1695890	1702240	1307880	852990	
31	833560		1199330	1307390		1671120						

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4280	2260	4920	737	464	2920	4580	11800	23300	12200	12100	10900
2	4340	2230	4920	4890	3800	2950	4610	11800	24700	11600	12100	10800
3	4440	2840	4950	788	3820	2900	3240	14400	25300	11900	12000	10600
4	4440	2940	4870	4880	3820	2900	3240	14400	25300	11600	11900	10400
5	4440	3340	4860	4880	3820	2810	4850	14300	25400	11300	11300	10400
6	4440	3700	4870	4930	3850	2840	5610	13700	25500	11300	11300	10100
7	4190	3120	4870	4910	3850	2840	8100	11000	24600	11300	11200	9980
8	3970	2090	4880	4890	3860	2860	7110	9890	24000	11600	11000	9890
9	3970	1070	4880	4920	3860	2860	5050	15200	22200	11800	11000	9650
10	3970	3350	4900	4920	3860	2850	6030	18700	19200	11700	11000	9320
11	3970	2550	4920	689	3860	2850	5910	16400	20600	11600	10900	9230
12	3970	3600	4880	4780	3880	2800	5910	13400	22400	11600	11100	8950
13	4000	2930	4870	4780	3860	2810	5960	12500	19200	11600	11300	8640
14	4000	3010	4729	4780	518	2840	6830	12500	15000	11400	8360	
15	3700	3240	4950	4860	3890	2840	6800	12600	12200	11700	8000	
16	3230	1360	4930	4800	3890	2830	7040	12200	11400	11400	7690	
17	2530	3040	4930	4830	3900	2830	7040	13400	11700	11400	7040	
18	2160	2760	4940	4860	3910	2920	8680	16000	11500	11400	5390	
19	2380	2820	4940	4860	3960	2840	10000	17200	10800	11400	5290	
20	2820	2780	4930	4850	3950	216	10900	19100	10300	11300	5690	
21	3340	2700	4850	4860	3950	2830	10200	20500	10300	11400	5650	
22	3850	2590	4860	4870	2840	2830	9980	21900	16100	11600	5290	
23	3850	651	4860	4870	2840	2840	12000	24800	24200	11600	4720	
24	3390	5020	4860	4870	2930	2840	12000	24800	24200	11400	3790	
25	3180	4880	4890	4890	2900	3230	13700	25100	21400	10900	147	
26	3180	4760	4890	4890	2920	3290	13600	22600	21400	10700	3880	
27	2890	4760	4920	3850	2970	3290	13600	20800	21400	10600	3930	
28	2380	4890	745	3690	2900	175	13500	18500	20500	10600	2430	
29	2160	4740	4860	3750	524	3300	12500	17100	18700	10600	2430	
30	2030	4860	4860	3810		3320	11800	19600	15000	10800		
31	1930		4860	3800		4330		22200				

MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN
3,465	3,024	4,222	4,097	3,091	2,650	487,400	8,191	16,290	19,310	11,810	11,270	7,284
213,100	180,000	259,600	251,900	177,800	163,000	487,400	1,002,000	1,149,000	726,100	693,000	433,400	
7,901												

Year
Mean
Acre-Feet
5,736,300

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	954.30	947.20	883.10	806.10	823.00	870.30	968.70	928.60	973.50	956.70	944.90	951.80
2	954.30	929.70	896.00	756.50	781.30	889.00	991.60	923.90	968.70	971.10	956.70	949.50
3	954.30	937.90	911.10	776.80	792.60	804.90	971.10	930.90	963.90	965.10	971.10	949.50
4	959.10	956.70	921.60	775.60	804.90	901.80	971.10	926.20	966.30	963.90	979.60	949.50
5	956.70	960.30	926.20	727.20	815.10	909.90	956.70	951.80	968.70	955.50	975.90	949.50
6	961.50	978.40	935.50	740.70	825.20	915.70	962.70	949.50	968.70	951.80	973.50	933.20
7	961.50	983.20	932.00	754.20	837.70	909.90	973.50	942.50	967.50	940.20	975.90	935.50
8	953.10	992.80	877.30	777.90	832.00	882.00	978.40	923.90	962.70	947.20	975.90	935.50
9	947.90	966.30	886.60	794.80	790.30	893.60	977.20	951.80	963.90	947.20	972.30	939.00
10	947.10	935.50	893.60	808.30	801.60	902.90	907.60	956.70	962.70	947.20	971.10	944.90
11	935.50	951.80	905.30	800.40	811.70	911.10	915.70	963.90	954.30	951.80	963.90	940.20
12	940.20	951.80	920.40	747.40	824.10	919.20	930.90	972.30	961.50	954.30	960.30	943.70
13	940.20	961.50	930.90	758.70	834.30	925.10	944.90	963.90	963.90	947.20	956.70	940.20
14	949.50	961.50	912.30	773.40	844.70	916.90	948.40	954.30	963.90	956.70	948.40	930.90
15	963.90	975.90	869.20	783.50	840.10	891.30	973.50	956.70	954.30	959.10	944.90	923.90
16	969.90	985.60	879.60	794.80	803.80	902.90	975.90	951.80	946.00	963.90	944.90	914.60
17	962.70	956.70	891.30	807.20	827.50	908.80	966.30	948.40	942.50	965.10	946.00	900.60
18	940.20	956.70	905.30	808.30	843.50	919.20	963.90	947.20	940.20	959.10	947.20	898.30
19	923.90	949.50	916.90	771.10	861.00	930.90	979.60	950.70	950.70	954.30	928.60	890.10
20	911.10	943.70	927.40	781.30	875.00	940.20	975.90	951.80	961.50	954.30	941.40	865.70
21	898.30	948.40	912.30	792.60	889.00	940.20	968.70	949.50	949.50	954.30	943.70	861.00
22	919.20	940.20	865.70	804.90	891.30	905.30	960.30	954.30	971.10	954.30	937.90	862.20
23	934.40	923.90	879.60	817.40	859.80	919.20	959.10	959.10	965.10	954.30	933.20	865.70
24	955.50	898.30	890.10	828.60	859.80	933.20	951.80	963.90	966.30	937.90	940.20	879.60
25	967.50	909.90	889.00	830.90	872.70	916.90	933.20	971.10	965.10	942.50	948.40	896.00
26	979.60	916.90	833.10	791.40	884.30	951.80	963.90	971.10	963.90	944.90	962.70	894.80
27	990.40	930.90	843.50	801.60	889.00	980.80	966.30	966.30	963.90	940.20	956.70	851.70
28	990.40	935.50	837.70	799.30	900.60	985.60	965.10	957.90	963.90	926.20	959.10	864.50
29	978.40	946.00	785.80	807.20	900.60	949.50	950.70	966.30	966.30	926.20	959.10	884.30
30	971.10	935.50	801.60	817.40		968.70	947.20	965.10	961.50	934.40	950.70	885.50
31	959.10											

MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN

YEAR
OR
PERIOD
MEAN
AGREEMENT

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	728						0	880	1650	1570	1520	1290
2	805						0	878	1590	1580	1490	1290
3	835						0	880	1570	1570	1460	1280
4	809						0	917	1500	1570	1440	1280
5	788						0	974	1370	1570	1410	1270
6	790						0	1110	1310	1570	1410	1270
7	795						0	1240	1310	1590	1390	1210
8	786						0	1260	1310	1640	1390	1170
9	712						0	1280	1410	1660	1380	1170
10	622						0	1280	1410	1660	1380	1170
11	554						0	1280	1530	1670	1380	1170
12	488						0	1290	1570	1660	1380	1170
13	488						0	1360	1570	1660	1410	1170
14	488						0	1460	1570	1660	1410	1170
15	488						0	1500	1570	1660	1430	1130
16	489						0	1520	1570	1660	1430	981
17	488						0	1520	1560	1660	1460	949
18	484						0	1650	1540	1660	1480	926
19	482						0	1700	1450	1660	1510	816
20	482						241	1700	1420	1650	1520	553
21	480						358	1700	1420	1660	1530	437
22	482						358	1680	1230	1660	1500	435
23	486						506	1680	1070	1660	1480	434
24	143						506	1670	1030	1660	1450	434
25	0						506	1670	1030	1660	1370	435
26	0						508	1680	1030	1670	1340	364
27	0						508	1670	1030	1670	1350	323
28	0						574	1660	1030	1660	1290	317
29	0						696	1660	1230	1660	1240	318
30	0						833	1670	1480	1610	1240	320
31	0						887	1670	1570	1590	1260	322

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	517	483	508	593	625	870	800	690	1250	1310	1260	1190
2	517	483	508	593	625	870	800	690	1250	1310	1260	1190
3	517	483	508	593	625	870	800	690	1250	1310	1260	1190
4	517	483	508	593	625	870	800	690	1250	1310	1260	1190
5	517	483	508	593	625	870	800	690	1250	1310	1260	1190
6	517	483	508	593	625	870	800	690	1250	1310	1260	1190
7	517	483	508	593	625	870	800	690	1250	1310	1260	1190
8	517	483	508	593	625	870	800	690	1250	1310	1260	1190
9	517	483	508	593	625	870	800	690	1250	1310	1260	1190
10	517	483	508	593	625	870	800	690	1250	1310	1260	1190
11	517	483	508	593	625	870	800	690	1250	1310	1260	1190
12	517	483	508	593	625	870	800	690	1250	1310	1260	1190
13	517	483	508	593	625	870	800	690	1250	1310	1260	1190
14	517	483	508	593	625	870	800	690	1250	1310	1260	1190
15	517	483	508	593	625	870	800	690	1250	1310	1260	1190
16	517	483	508	593	625	870	800	690	1250	1310	1260	1190
17	517	483	508	593	625	870	800	690	1250	1310	1260	1190
18	517	483	508	593	625	870	800	690	1250	1310	1260	1190
19	517	483	508	593	625	870	800	690	1250	1310	1260	1190
20	517	483	508	593	625	870	800	690	1250	1310	1260	1190
21	517	483	508	593	625	870	800	690	1250	1310	1260	1190
22	517	483	508	593	625	870	800	690	1250	1310	1260	1190
23	517	483	508	593	625	870	800	690	1250	1310	1260	1190
24	517	483	508	593	625	870	800	690	1250	1310	1260	1190
25	517	483	508	593	625	870	800	690	1250	1310	1260	1190
26	517	483	508	593	625	870	800	690	1250	1310	1260	1190
27	517	483	508	593	625	870	800	690	1250	1310	1260	1190
28	517	483	508	593	625	870	800	690	1250	1310	1260	1190
29	517	483	508	593	625	870	800	690	1250	1310	1260	1190
30	517	483	508	593	625	870	800	690	1250	1310	1260	1190
31	517	483	508	593	625	870	800	690	1250	1310	1260	1190

MEAN	16,680	271	0	0	0	0	0	0	0	0	0	0
ACRE-FOOT	16,680	271	0	0	0	0	0	0	0	0	0	0
YEAR	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928
MEAN	1,112	1,053	1,311	1,226	1,160	1,030	1,030	1,030	1,030	1,030	1,030	1,030
ACRE-FOOT	1,112	1,053	1,311	1,226	1,160	1,030	1,030	1,030	1,030	1,030	1,030	1,030
YEAR	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928
MEAN	1,112	1,053	1,311	1,226	1,160	1,030	1,030	1,030	1,030	1,030	1,030	1,030
ACRE-FOOT	1,112	1,053	1,311	1,226	1,160	1,030	1,030	1,030	1,030	1,030	1,030	1,030
YEAR	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928

360,550
 497

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2860	2400	4540	4450	3490	2640	4520	10800	21200	8990	8660	8180
2	2900	2480	4560	4450	3530	2620	4780	11000	21900	9480	8690	8450
3	2960	2420	4520	4480	3510	2640	4980	12600	22100	9420	8810	8480
4	2960	2430	4500	4480	3510	2630	4960	12800	22400	8780	8930	8510
5	2990	2820	4520	4430	3510	2660	5050	12400	22500	8630	8750	8270
6	3030	2880	4590	4430	3510	2680	6460	11000	22500	8600	8600	7970
7	3070	2900	4560	4450	3560	2640	7940	9270	21900	8600	8510	7820
8	3110	2780	4560	4480	3560	2620	8120	7970	20600	8570	8450	7470
9	3010	2740	4590	4450	3560	2630	11300	19500	19500	8630	8450	7300
10	3030	2780	4520	4450	3530	2590	5920	16400	16600	8600	8510	7270
11	3030	2740	4590	4480	3600	2600	5710	14900	17100	8480	8540	7330
12	2990	2750	4520	4370	3560	2610	5330	12000	19400	8510	8630	7160
13	3300	2280	4540	4410	3560	2610	5440	10600	17400	8510	8720	7040
14	2380	2950	4540	4450	3600	2610	6230	10400	13100	8450	8780	7020
15	2410	3180	4520	4450	3400	2610	6960	10200	10200	8450	8720	6900
16	2480	3030	4500	4480	3200	2620	6820	9610	8690	8390	8570	6760
17	2470	3010	4480	4430	3200	2620	6990	10200	8420	8630	8570	6380
18	2400	3040	4450	4430	3420	2610	7910	12500	8630	8780	8690	5490
19	2340	3030	4480	4410	3480	2610	9050	13700	8960	8690	8660	4920
20	2380	2950	4480	4480	3500	2580	10100	15300	8780	8660	4920	4920
21	2410	2840	4540	4480	3580	2380	9480	17100	8600	8660	4650	4650
22	2350	3040	4540	4500	3580	2480	9180	18300	8540	8750	4080	4080
23	2280	3040	4500	4480	3470	2430	10500	20200	8780	8690	3490	2840
24	2340	3240	4430	4370	2250	2790	13200	21600	8870	8330	2650	2650
25	2450	4500	4450	4430	2800	2580	12700	20400	8900	8330	2650	2650
26	2470	4540	4450	4480	2670	2460	12600	17500	8960	8330	2560	2560
27	2550	4540	4450	4480	2690	2320	12600	15800	9080	8330	2560	2560
28	2380	4590	4500	4500	2700	2370	12600	14300	8390	8330	1730	1730
29	2440	4590	4500	4500	2700	2370	11800	16700	8390	8330	1730	1730
30	2370	4540	4500	4500	2700	2370	11800	16700	8390	8330	1730	1730
31	2370	4540	4500	4500	2700	2370	11800	16700	8390	8330	1730	1730

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10.00	7.64	7.59	7.80	8.13	8.31	8.37	10.12	10.96	10.88	10.92	10.8
2	9.69	7.46	7.44	8.10	8.04	7.90	8.40	10.30	10.88	10.82	10.91	10.8
3	9.40	7.90	7.49	8.30	8.01	8.30	8.36	10.25	10.91	10.82	10.95	10.9
4	9.35	8.00	7.52	8.06	8.14	8.46	8.44	10.31	10.92	11.04	10.92	10.9
5	9.22	7.42	7.80	8.04	8.14	8.08	8.42	10.36	10.95	11.04	10.92	10.8
6	9.19	7.32	7.95	8.10	8.10	7.92	8.17	10.41	10.95	11.04	10.98	10.9
7	9.19	7.10	8.08	8.02	8.10	7.94	8.37	10.27	10.94	11.04	11.05	11.0
8	9.25	6.96	8.04	8.04	8.08	8.01	8.43	10.53	10.89	11.00	11.05	11.0
9	9.40	6.94	8.00	8.08	7.95	8.16	8.38	10.90	10.90	11.01	11.01	11.0
10	9.24	6.82	8.00	8.02	8.00	8.30	8.25	10.92	10.91	11.03	10.98	10.9
11	9.18	6.80	7.92	7.97	7.88	8.22	8.01	10.86	10.87	11.05	10.94	10.8
12	9.24	6.92	7.99	8.09	8.06	8.16	8.28	10.86	10.87	11.05	10.92	10.6
13	9.17	6.82	7.99	8.09	8.17	8.04	8.20	10.92	10.91	11.02	10.90	10.7
14	8.89	6.70	7.85	8.00	8.19	7.79	7.83	10.88	10.91	10.81	10.88	10.8
15	8.54	6.91	7.95	8.08	7.97	7.96	7.90	10.93	10.88	10.84	10.89	10.8
16	8.11	7.66	7.97	8.09	8.07	8.05	8.32	10.90	10.89	10.84	11.00	10.8
17	8.32	8.26	8.00	8.05	7.91	8.01	8.22	10.91	10.92	10.90	11.04	10.8
18	8.74	8.42	8.00	8.04	7.82	7.96	8.18	10.85	10.96	10.91	10.94	10.98
19	8.75	8.51	7.97	8.02	8.04	7.98	9.19	10.86	10.93	10.81	10.75	10.98
20	8.88	8.48	8.02	8.02	8.08	8.08	9.96	10.90	11.01	10.88	10.95	10.88
21	8.72	8.50	7.90	7.96	8.10	8.24	10.33	10.82	10.69	10.99	11.02	10.87
22	8.98	8.43	7.84	7.71	7.85	8.17	10.19	10.89	11.01	10.97	10.99	10.96
23	8.83	8.32	7.96	7.75	7.92	8.13	9.93	10.93	10.90	10.91	10.84	10.88
24	8.70	8.40	7.94	7.99	8.08	7.89	9.92	10.93	10.88	10.69	10.96	10.99
25	8.56	8.41	7.84	8.17	8.00	7.92	10.06	10.90	10.90	10.80	10.96	10.82
26	8.38	8.09	7.96	7.54	8.08	8.35	10.30	10.90	10.89	10.91	11.02	10.77
27	8.36	7.82	8.01	8.06	8.00	8.53	10.16	10.86	10.92	10.94	10.90	10.70
28	8.54	7.57	8.05	8.34	8.38	8.25	10.15	10.84	10.88	10.92	10.96	10.68
29	8.22	7.46	7.90	8.02	8.36	7.63	10.17	10.89	10.89	11.04	10.89	10.62
30	7.95	7.51	7.88	8.08		7.49		10.93	10.88	11.01	10.81	10.66
31	7.83			8.14		8.06		10.90		10.98		

MINNER LOW LIFT CANAL near MINNER, IDAHO

Daily discharge, in second-feet, of

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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1	178	173	173	178	178	178	178	178	178	178	178	178
2	178	173	173	178	178	178	178	178	178	178	178	178
3	178	173	173	178	178	178	178	178	178	178	178	178
4	178	173	173	178	178	178	178	178	178	178	178	178
5	178	173	173	178	178	178	178	178	178	178	178	178
6	178	173	173	178	178	178	178	178	178	178	178	178
7	178	173	173	178	178	178	178	178	178	178	178	178
8	178	173	173	178	178	178	178	178	178	178	178	178
9	178	173	173	178	178	178	178	178	178	178	178	178
10	178	173	173	178	178	178	178	178	178	178	178	178
11	178	173	173	178	178	178	178	178	178	178	178	178
12	178	173	173	178	178	178	178	178	178	178	178	178
13	178	173	173	178	178	178	178	178	178	178	178	178
14	178	173	173	178	178	178	178	178	178	178	178	178
15	178	173	173	178	178	178	178	178	178	178	178	178
16	178	173	173	178	178	178	178	178	178	178	178	178
17	178	173	173	178	178	178	178	178	178	178	178	178
18	178	173	173	178	178	178	178	178	178	178	178	178
19	178	173	173	178	178	178	178	178	178	178	178	178
20	178	173	173	178	178	178	178	178	178	178	178	178
21	178	173	173	178	178	178	178	178	178	178	178	178
22	178	173	173	178	178	178	178	178	178	178	178	178
23	178	173	173	178	178	178	178	178	178	178	178	178
24	178	173	173	178	178	178	178	178	178	178	178	178
25	178	173	173	178	178	178	178	178	178	178	178	178
26	178	173	173	178	178	178	178	178	178	178	178	178
27	178	173	173	178	178	178	178	178	178	178	178	178
28	178	173	173	178	178	178	178	178	178	178	178	178
29	178	173	173	178	178	178	178	178	178	178	178	178
30	178	173	173	178	178	178	178	178	178	178	178	178
31	178	173	173	178	178	178	178	178	178	178	178	178

MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN
178	173	173	178	178	178	178	178	178	178	178	178	178
195	188	162	169	16.7	996	10,400	9,660	11,580	12,010	8,540	174	174

YEAR
MEAN
73.3
53,186
ACRE-FOOT

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	1150	1370	1440	1240	1240
2	0	0	0	0	0	0	0	1170	1370	1440	1230	1230
3	0	0	0	0	0	0	0	1130	1370	1450	1230	1230
4	0	0	0	0	0	0	0	1100	1370	1460	1230	1230
5	0	0	0	0	0	0	0	1100	1370	1450	1240	1240
6	0	0	0	0	0	0	0	1110	1370	1440	1230	1230
7	0	0	0	0	0	0	0	1110	1370	1480	1230	1230
8	0	0	0	0	0	0	0	1120	1400	1470	1230	1230
9	0	0	0	0	0	0	0	1130	1410	1470	1220	1220
10	0	0	0	0	0	0	0	1170	1410	1450	1220	1220
11	0	0	0	0	0	0	0	1190	1430	1440	1210	1210
12	0	0	0	0	0	0	0	1190	1430	1440	1210	1210
13	0	0	0	0	0	0	0	1190	1430	1440	1220	1220
14	0	0	0	0	0	0	0	1190	1430	1440	1220	1220
15	0	0	0	0	0	0	0	1190	1430	1440	1220	1220
16	0	0	0	0	0	0	0	1190	1430	1440	1220	1220
17	0	0	0	0	0	0	0	1250	1430	1450	1220	1220
18	0	0	0	0	0	0	0	1290	1430	1450	1220	1220
19	0	0	0	0	0	0	0	1350	1430	1480	1180	1180
20	0	0	0	0	0	0	0	1340	1410	1490	1160	1160
21	0	0	0	0	0	0	0	1340	1390	1480	1120	1120
22	370	0	0	0	0	0	0	1340	1390	1480	1110	1110
23	350	0	0	0	0	0	0	1330	1380	1470	1110	1110
24	0	0	0	0	0	0	0	1330	1380	1470	1040	1040
25	0	0	0	0	0	0	0	1360	1380	1480	1010	1010
26	0	0	0	0	0	0	0	1020	1380	1460	1010	1010
27	0	0	0	0	0	0	0	1060	1370	1480	1010	1010
28	0	0	0	0	0	0	0	1170	1370	1480	630	630
29	0	0	0	0	0	0	0	1170	1370	1460	0	0
30	0	0	0	0	0	0	0	1170	1370	1430	0	0
31	0	0	0	0	0	0	0	1170	1370	1430	0	0

MEAN	0	0	0	0	0	0	0	1,286	1,244	1,449	1,356	1,121
ACRE-Feet	0	0	0	0	0	0	0	2,17,00	76,480	89,080	83,400	66,720
MEAN	0	0	0	0	0	0	0	360	1,244	1,449	1,356	1,121
ACRE-Feet	0	0	0	0	0	0	0	2,17,00	76,480	89,080	83,400	66,720

572
415,010

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
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1	0	0	0	0	0	0	0	0	1345	1403	1407	1206
2	0	0	0	0	0	0	0	0	1147	1400	1414	1204
3	0	0	0	0	0	0	0	0	1111	1342	1421	1202
4	0	0	0	0	0	0	0	0	1075	1340	1414	1199
5	0	0	0	0	0	0	0	0	1079	1340	1412	1206
6	0	0	0	0	0	0	0	0	1085	1340	1405	1202
7	0	0	0	0	0	0	0	0	1083	1338	1442	1197
8	0	0	0	0	0	0	0	0	1098	1364	1435	1197
9	0	0	0	0	0	0	0	0	1111	1375	1435	1193
10	0	0	0	0	0	0	0	0	1142	1375	1412	1186
11	0	0	0	0	0	0	0	0	1166	1146	1410	1177
12	0	0	0	0	0	0	0	0	1162	0	1410	1180
13	0	0	0	0	0	0	0	0	1164	106	1410	1186
14	0	0	0	0	0	0	0	0	1164	962	1416	1186
15	0	0	0	0	0	0	0	0	1162	1394	1407	1188
16	0	0	0	0	0	0	0	0	1162	1391	1407	1188
17	0	0	0	0	0	0	0	0	1221	1394	1412	1191
18	0	0	0	0	0	0	0	0	1318	1396	1412	1193
19	0	0	0	0	0	0	0	0	1316	1398	1407	1193
20	0	0	0	0	0	0	0	0	628	1400	1420	1155
21	0	346	0	0	0	0	0	0	782	1375	1453	1134
22	327	0	0	0	0	0	0	0	888	1312	1449	1092
23	0	0	0	0	0	0	0	0	880	1305	1446	1079
24	0	0	0	0	0	0	0	0	884	1303	1433	1079
25	0	0	0	0	0	0	0	0	890	1301	1435	1008
26	0	0	0	0	0	0	0	0	964	1327	1442	978
27	0	0	0	0	0	0	0	0	995	1347	1426	978
28	0	0	0	0	0	0	0	0	1037	1342	1440	978
29	0	0	0	0	0	0	0	0	1117	1340	1440	610
30	0	0	0	0	0	0	0	0	1119	1342	1421	0
31	0	0	0	0	0	0	0	0	1342	1416	1204	0

MEAN	0	0	0	0	0	0	0	0	1,256	1,413	1,322	1,092
ACRE-Feet	0	0	0	0	0	0	0	0	74,850	74,710	81,280	64,990

MEAN YEAR 558
ACRE-Feet 404,920

NORTH SIDE CANAL PROJECT IN GOODING CANAL near MILLER, IDAHO

for the year ending September 30, 19 18

Plate No. 42

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	810	1070	1000	1100	890
2	0	0	0	0	0	0	0	910	1070	990	1090	850
3	0	0	0	0	0	0	0	940	1080	1000	1100	850
4	0	0	0	0	0	0	0	960	1070	1000	1090	830
5	0	0	0	0	0	0	0	970	1070	990	1080	770
6	0	0	0	0	0	0	0	970	1060	980	1090	770
7	450	850	960	980	970	950	970	950	1060	980	1090	770
8	850	960	980	970	950	970	970	970	1090	980	1100	780
9	960	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	770
10	980	1060	1060	1060	1060	1060	1060	1060	1060	1060	1060	770
11	1010	1020	1020	1020	1020	1020	1020	1010	1080	1000	1040	760
12	1020	1020	1020	1020	1020	1020	1020	1020	1080	980	1040	760
13	1030	1030	1030	1030	1030	1030	1030	1020	990	990	1040	760
14	1000	1000	1000	1000	1000	1000	1000	1020	960	990	1040	760
15	980	980	980	980	980	980	980	1030	990	990	1030	760
16	980	980	980	980	980	980	980	1030	990	990	1030	760
17	980	980	980	980	980	980	980	1040	1030	1000	1040	760
18	1000	1000	1000	1000	1000	1000	1000	1070	1050	1000	1020	780
19	1010	1010	1010	1010	1010	1010	1010	1070	1050	1000	1020	760
20	1030	1030	1030	1030	1030	1030	1030	1060	1030	1020	1020	750
21	1000	1000	1000	1000	1000	1000	1000	1050	1050	1020	1020	750
22	1000	1000	1000	1000	1000	1000	1000	1030	1020	1020	1020	740
23	980	980	980	980	980	980	980	1030	1020	990	1020	750
24	910	910	910	910	910	910	910	1040	1020	990	970	460
25	960	960	960	960	960	960	960	1040	1030	1010	940	270
26	0	0	0	0	0	0	0	410	1040	1010	940	260
27	0	0	0	0	0	0	0	400	1040	1020	940	260
28	0	0	0	0	0	0	0	560	1040	1070	940	150
29	0	0	0	0	0	0	0	650	1050	1110	930	0
30	0	0	0	0	0	0	0	1070	1070	1110	930	0
31	0	0	0	0	0	0	0	1070	1070	1110	930	0

MEAN	ACRE-Feet	FEET
565	34,770	0
0	0	0
0	0	0
0	0	0
0	0	0
75.0	4,460	0
1,011	62,140	0
1,043	62,080	0
1,006	61,860	0
1,028	63,210	0
669	39,810	0

MEAN YEAR 328,330 452

NORTH SIDE TWIN FALLS CANAL at MILLER, IDAHO

Daily discharge, in second-feet, of

for the year ending September 30, 19

Plate No. 43

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	626	769	517	436	297	572	312	1730	2440	2510	2720	2460
2	626	619	491	454	328	552	312	1760	2420	2500	2680	2520
3	622	335	476	445	351	572	312	1760	2420	2640	2660	2510
4	688	289	476	424	373	555	171	1780	2380	2640	2640	2540
5	769	262	491	401	395	549	497	1790	2380	2630	2620	2520
6	769	240	485	401	376	549	501	1910	2380	2580	2560	2500
7	304	229	491	362	427	552	504	2020	2380	2620	2520	2480
8	0	289	482	365	439	552	504	1990	2460	2620	2520	2400
9	0	398	482	362	469	565	646	1990	2500	2640	2500	2280
10	0	387	472	365	485	558	856	1990	2500	2640	2500	2220
11	0	393	469	365	485	555	956	1980	2500	2620	2540	2240
12	0	404	472	370	494	552	932	2150	2510	2580	2540	2220
13	0	404	463	368	572	536	892	2200	2580	2600	2600	2180
14	0	401	469	370	558	545	908	2200	2600	2610	2620	2180
15	0	395	469	373	565	549	952	2200	2600	2560	2620	2110
16	0	472	472	351	555	549	1000	2380	2610	2560	2610	2070
17	0	472	472	330	555	545	1220	2430	2540	2520	2580	2090
18	0	457	472	317	565	545	1540	2430	2400	2500	2560	1980
19	0	482	472	317	568	578	1640	2540	2450	2520	2580	1570
20	0	504	469	320	565	608	1600	2660	2350	2500	2540	1450
21	0	513	469	323	545	602	1580	2560	2300	2490	2520	1220
22	0	552	457	328	552	598	1550	2490	2290	2520	2520	972
23	0	562	472	336	558	585	1580	2460	2300	2460	2510	888
24	432	562	439	333	552	562	1680	2460	2280	2550	2520	888
25	798	562	442	320	555	615	1740	2440	2280	2520	2500	876
26	798	549	445	333	552	629	1710	2440	2280	2520	2490	880
27	802	536	448	310	552	608	1710	2420	2390	2630	2490	872
28	784	517	439	289	578	572	1710	2420	2500	2710	2460	876
29	784	517	445	297	568	568	1700	2420	2510	2720	2450	
30	772					405		2420				
31								2420				

MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN
18,990	309	448	28,770	21,960	28,470	34,650	62,270	135,100	2,198	2,432	158,600	157,300
1,847	2,559	109,900										

MEAN 1,278
AGRE- 927,380
YEAR

for the year ending September 30, 1912

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1270	658	604	522	523	474	538	3040	3390	3410	3560	3540
2	1270	655	601	522	525	405	556	3010	3380	3400	3580	3520
3	1270	658	592	526	530	390	483	3140	3380	3450	3580	3510
4	1310	664	595	523	535	526	429	3230	3390	3440	3590	3520
5	1350	667	604	520	535	526	472	3230	3380	3430	3580	3500
6	1290	664	598	517	523	529	502	3220	3380	3440	3590	3460
7	1220	634	601	526	535	477	502	3310	3390	3440	3600	3380
8	1200	613	598	529	517	488	649	3280	3390	3440	3610	3250
9	1150	613	595	526	517	488	739	3280	3380	3420	3640	3170
10	1110	631	592	523	525	491	768	3270	3360	3400	3650	3110
11	1030	652	580	532	515	500	768	3270	3360	3400	3650	3070
12	968	661	586	535	520	500	819	3290	3360	3400	3640	3070
13	960	649	586	528	532	488	862	3290	3380	3450	3620	3000
14	851	610	565	520	517	497	947	3300	3380	3460	3610	2940
15	762	610	565	525	517	497	1050	3300	3360	3480	3620	2910
16	564	619	565	528	505	491	1170	3310	3310	3500	3630	2850
17	61	607	559	525	477	491	1280	3320	3280	3500	3630	2840
18	296	610	556	532	466	170	1450	3360	3250	3500	3650	2740
19	226	604	556	526	463	10	1590	3360	3230	3510	3660	2340
20	61	598	559	523	458	10	1770	3340	3200	3560	3690	2170
21	61	598	559	520	458	10	1980	3340	3130	3560	3670	1960
22	743	595	562	520	458	221	2270	3340	3030	3570	3690	1780
23	1150	592	559	523	458	607	2320	3340	2880	3580	3670	1640
24	794	592	559	526	460	601	2420	3360	2890	3580	3670	1460
25	845	592	559	526	486	491	2560	3380	2950	3590	3680	1320
26	794	607	558	500	466	491	2580	3380	3080	3590	3640	1210
27	730	607	554	520	477	502	2600	3390	3190	3580	3620	1110
28	723	604	553	530	474	491	2760	3390	3280	3580	3580	1010
29	694	598	535	515	474	491	2920	3370	3320	3580	3580	971
30	694	604	523	520	514	514	3000	3380	3390	3580	3580	943
31	694	604	518	525	520	520	3390	3390	3390	3570	3580	

MEAN	ACRE- FEET	MEAN	ACRE- FEET	MEAN	ACRE- FEET	MEAN	ACRE- FEET	MEAN	ACRE- FEET	MEAN	ACRE- FEET	MEAN	ACRE- FEET
84.3	51,850	6.22	37,020	571	35,100	524	32,200	497	28,590	430	26,410	1,418	84,350
3,288	202,200	3,270	194,600	3,497	215,000	222,700	150,200	3,621	222,700	2,525	150,200		

MEAN 1,764
ACRE-
FEET 1,280,220

For the year ending September 30, 1915
Plate No. 45

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1680	1400	3820	3650	3120	1840	3810	3830	11200	2250	239	223
2	1890	1100	3980	3760	3020	1580	3800	4180	12500	107	237	223
3	1860	1730	3800	4600	2820	1490	3840	3770	13700	674	234	223
4	1720	2150	3620	4190	2890	2100	4380	4670	14200	493	234	223
5	1470	2260	3230	4060	2870	2010	4660	5390	14400	153	234	223
6	1460	2520	3620	3820	2870	1540	4190	5450	14700	127	298	272
7	1400	2670	3730	3780	2870	1560	4710	3670	14500	29	232	359
8	1080	2370	3850	4000	2830	1580	6830	618	14400	233	218	232
9	1600	2210	3860	4040	2790	1630	6800	786	12500	11	212	230
10	1720	2160	3850	3910	2810	1760	6430	2390	11700	11	212	228
11	1710	2020	3790	3630	2660	1830	4560	8020	8510	294	207	221
12	1900	2100	3830	3900	2630	1820	4070	8090	8730	131	203	223
13	2040	2060	3820	3960	2660	1760	4240	4950	11800	11	203	228
14	1990	1850	3750	3750	2760	1500	3730	2540	10300	11	201	228
15	1970	1580	3810	3740	2760	1720	3690	3010	5290	10	201	228
16	1900	1290	3810	3890	2790	1760	4730	2360	2270	10	203	228
17	1780	1930	3820	3870	2510	1740	4670	1590	143	10	245	228
18	1280	2010	3830	3920	2420	1930	3490	1030	301	10	205	228
19	1560	2070	3830	3920	2490	2050	3280	3800	120	11	221	523
20	1850	2230	3820	3920	2540	2070	4010	4910	530	60	229	275
21	1680	2230	3780	3870	2840	2110	5460	5700	179	362	223	262
22	992	1910	3760	3520	2730	1900	5560	8190	1640	264	223	262
23	979	1780	3800	3670	2700	1880	4600	9460	3860	212	223	225
24	1510	2200	3800	4200	2530	1390	5080	11500	14000	205	223	377
25	1370	3590	3610	4630	1930	856	6420	13600	13300	205	223	218
26	1320	4110	3510	3200	1470	1240	8090	13400	12400	218	221	221
27	1010	4200	3780	3280	1460	1780	6960	9280	11900	237	223	223
28	1250	4060	3740	3990	1580	1980	6530	7670	10900	242	223	225
29	1770	3880	3670	3380	1760	1510	5860	5760	8550	242	223	228
30	1650	3630	3630	2820		1100	4560	6490	5080	313	223	
31	1600	3620	2870			2850		8950		244	223	

MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN
1,580	2,373	3,747	3,798	2,556	1,738	4,968	5,647	8,787	238	231	249	249
97,170	141,200	230,400	233,500	147,000	106,800	295,600	347,200	522,800	14,660	14,230	14,810	14,810
2,983	2,983	2,983	2,983	2,983	2,983	2,983	2,983	2,983	2,983	2,983	2,983	2,983

YEAR
MEAN
AGRE-FIELD
2,165,370

MEAN

[illegible]

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.
1									82927			60786
2												
3												
4												
5												
6								77334		81965		
7												
8	56373										71070	
9												
10												
11												
12												
13		60786										
14												
15										80624		52715
16												
17												52481
18												
19						71317						
20												
21					69646					76956		
22												
23												
24												
25												
26								79860		75570		
27												
28												
29					70200							53300
30		63000										
31	59500					72500	75600	80300	82000	74200	61200	

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	3	3	3	3	3	3	20	75	131	208	249
2	3	3	3	3	3	3	3	21	107	134	208	269
3	3	3	3	3	3	3	3	26	125	147	202	269
4	3	3	3	3	3	3	3	28	135	145	202	267
5	3	3	3	3	3	3	3	30	144	134	204	267
6	3	3	3	3	3	3	3	32	145	126	201	265
7	3	3	3	3	3	3	3	36	139	122	200	261
8	3	3	3	3	3	3	3	38	156	116	214	261
9	3	3	3	3	3	3	3	39	168	112	230	261
10	3	3	3	3	3	3	3	40	168	113	230	258
11	2	3	3	3	3	3	3	40	166	103	228	258
12	3	3	3	3	3	3	3	42	152	110	230	258
13	3	3	3	3	3	3	3	42	152	93	230	256
14	3	3	3	3	3	3	3	42	152	216	228	245
15	3	3	3	3	3	3	3	42	149	321	227	236
16	3	3	3	3	3	3	3	42	139	301	227	236
17	3	3	3	3	3	3	3	42	140	283	228	10
18	4	3	3	3	3	3	3	44	147	274	227	10
19	4	3	3	3	3	3	3	44	168	272	227	10
20	7	3	3	3	3	3	3	46	156	184	227	10
21	3	3	3	3	3	3	3	49	154	110	227	10
22	3	3	3	3	3	3	3	51	158	110	228	10
23	3	3	3	3	3	3	3	53	158	112	227	10
24	3	3	3	3	3	3	3	48	158	166	225	10
25	3	3	3	3	3	3	3	46	155	213	225	10
26	3	3	3	3	3	3	3	53	149	213	227	10
27	3	3	3	3	3	3	3	58	143	212	225	10
28	3	3	3	3	3	3	3	63	138	210	227	10
29	3	3	3	3	3	3	3	68				
30	3	3	3	3	3	3	3					
31	3	3	3	3	3	3	3					

MEAN	3.0	186	179
STDEV			

Est. 4	Est. 5	Est. 7	Est. 8	Est. 17
207	403	492	893	

65.3

Est. 15
893

41.7
2,560

8,520

10 880

13,590

08T'6

YVES

FIFTEEN

www.elsevier.com

ADDITIONAL

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	75520	76300	91050	109585	129300	132630	132550	135450	134960	134640	83950	46110
2	75575	76300	92195	110015	129775	132710	132790	134960	134880	135045	81545	44935
3	75740	76415	93290	111230	130245	132790	132790	134960	134880	135045	79265	43795
4	75855	76415	93935	112745	130880	132710	132710	134880	134880	134395	76975	42495
5	75855	76415	94780	113550	131035	132710	132790	134880	134880	134395	76975	42495
6	75855	76415	95695	114280	131435	132630	132790	134880	134880	134395	76975	42495
7	75855	76415	96620	115155	131670	132710	132790	135205	133990	133990	73260	40375
8	75910	76360	97545	116185	131830	132790	132710	136825	133670	133670	71330	39055
9	75910	76360	98540	116925	132230	132790	132630	136015	133590	133590	69750	37790
10	75910	76360	99410	117740	132310	132790	132950	135450	133190	133190	67800	36615
11	76190	76300	100285	118485	132310	132630	132950	134395	131830	131830	67040	36175
12	76190	76300	101165	119235	132310	132630	132790	134745	130720	130720	66095	35690
13	76080	76190	101980	119985	132310	132630	132790	134235	128280	128280	65065	35210
14	76080	76190	102800	120895	132310	132710	132790	134395	126485	126485	64580	34735
15	76080	76190	103005	121575	132310	132950	132790	134075	124090	124090	64095	34275
16	76080	77315	103005	122335	132310	132950	133030	134155	121500	121500	63140	33765
17	76190	78345	103075	123170	132310	132950	133110	134315	119010	119010	62385	33205
18	76190	79265	103145	124090	132310	132950	133190	134555	116850	116850	61590	32930
19	76190	79675	103215	124935	132390	133030	133350	134800	114715	114715	60625	32430
20	76190	81015	103280	125320	132390	132950	133350	134880	112745	112745	59450	
21	76190	81960	103280	126785	132390	132710	133430	134960	110515	110515	58165	
22	76190	82850	103280	126250	132630	132710	133750	134960	108445	108445	56990	33915
23	76300	83750	103280	126485	132630	132630	133910	135045	106335	106335	55930	33740
24	76300	85260	103280	126485	132710	132630	133990	134960	103970	103970	54635	33585
25	76300	85685	103905	126485	132630	132790	134155	134880	101235	101235	53410	33485
26	76300	85055	104940	126485	132470	132630	134075	134960	98740	98740	52605	33510
27	76300	87595	105845	126175	132790	132630	134075	135045	95435	95435	51930	33405
28	76300	88405	106545	126485	132710	132550	133750	135205	93290	93290	50880	33230
29	76300	88965	107245	126875	132710	132550	134475	135285	90855	90855	49700	33230
30	76190	90100	107950	127810	132550	132550	134880	135045	88465	88465	48510	47345
31	76190		108660	128830		132550						

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	476	486	11	10	130	414	396	890	1040	708	1880	1240
2	476	486	11	10	163	422	391	940	1030	669	1870	1260
3	476	481	11	10	219	418	422	900	1070	664	1870	1280
4	476	481	11	10	244	414	422	875	1100	655	1800	1300
5	476	481	11	10	278	414	418	880	1080	610	1590	1280
6	476	481	11	10	321	409	418	950	1050	596	1540	1280
7	476	481	11	10	342	422	414	1170	1010	572	1430	1200
8	472	481	11	10	368	422	409	1220	910	699	1310	1040
9	472	481	11	10	382	409	432	1120	870	961	1200	961
10	472	481	11	10	378	404	432	1050	885	1130	1200	961
11	486	481	11	10	378	404	427	935	758	1330	1200	961
12	495	481	11	10	378	396	418	900	708	1740	1020	956
13	495	481	11	10	382	409	422	885	718	1700	971	956
14	495	481	153	10	382	427	432	777	713	1750	1100	950
15	495	163	436	10	382	427	445	743	708	1840	1110	940
16	495	436	436	10	382	427	463	787	699	1820	1110	940
17	495	436	436	10	382	422	495	905	684	1910	1120	684
18	495	436	436	10	391	432	509	961	699	1840	1180	504
19	495	436	436	10	432	432	992	738	1750	1260	528	528
20	495	436	436	10	400	552	1000	767	1780	1260	528	528
21	500	436	436	10	409	552	1000	802	1780	1260	567	567
22	500	436	436	223	432	572	1000	821	1860	1260	581	581
23	500	436	436	436	409	591	997	831	1910	1250	576	576
24	495	436	294	436	404	615	986	846	1910	1190	576	576
25	490	436	436	436	400	610	1000	841	1900	1020	576	576
26	486	436	436	436	414	615	1010	831	1900	1090	576	528
27	486	436	436	294	427	630	1050	792	1900	1250	504	504
28	486	436	436	436	422	694	1080	758	1900	1250	504	504
29	486	436	436	436	391	762	1070	733	1890	1250	504	504
30	486	436	436	436	396	762	1060	733	1890	1250	504	504
31	481	436	436	436	391	762	1060	733	1890	1250	504	504

MEAN	29,920	14,040	9,090	5,130	20,290	25,290	29,520	59,560	50,720	87,660	80,670	51,620
FEET	487	236	14.8	83.4	353	411	496	969	852	1,426	1,312	868
ACRE-												
MEAN												

YEAR
MEAN
ACRE-FEET
463,510
638

HENRYS FORK at WARM RIVER, IDAHO

Daily discharge, in second-feet, of

Plate No. 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	897	897	452	413	520	837	820	1480	1570	1190	2250	1610
2	897	897	422	466	500	819	830	1540	1560	1170	2240	1610
3	879	933	434	443	580	819	820	1580	1580	1120	2220	1660
4	891	921	434	434	620	867	810	1520	1600	1110	2020	1640
5	909	909	434	439	700	813	807	1510	1570	1100	1970	1620
6	909	915	409	452	740	773	807	1640	1540	1080	1950	1610
7	903	921	439	470	740	789	795	1900	1500	1070	1870	1600
8	879	909	422	448	780	784	789	1940	1400	1050	1800	1540
9	897	903	413	409	740	700	837	1800	1330	1310	1600	1440
10	909	909	364	335	700	819	825	1670	1320	1550	1600	1330
11	909	909	426	364	720	849	813	1540	1220	1600	1300	1300
12	909	897	452	349	800	819	795	1480	1180	2080	1550	1290
13	897	897	439	392	810	795	795	1450	1170	2130	1380	1290
14	897	909	679	413	810	807	825	1440	1160	2110	1400	1290
15	897	897	750	413	810	807	825	1440	1160	2110	1400	1290
16	915	434	843	413	800	813	843	1360	1150	2270	1540	1290
17	909	422	855	413	825	813	897	1480	1170	2200	1460	1350
18	897	426	873	413	831	813	945	1620	1170	2320	1520	1350
19	891	400	849	439	819	837	951	1720	1210	2160	1640	1000
20	891	400	849	439	819	843	969	1750	1210	2200	1640	970
21	903	384	843	439	819	819	1000	1730	1260	2200	1640	965
22	897	349	843	484	813	813	1050	1720	1310	2190	1650	965
23	891	418	831	700	873	813	1090	1640	1360	2220	1640	963
24	897	430	825	820	855	801	1120	1610	1380	2310	1630	951
25	891	452	548	800	843	807	1150	1590	1410	2290	1440	975
26	897	452	388	600	837	807	1130	1610	1380	2280	1410	945
27	897	452	409	720	855	795	1120	1600	1340	2270	1580	885
28	903	417	409	680	837	789	1200	1600	1300	2260	1620	885
29	921	388	417	413	837	784	1490	1600	1230	2260	1610	
30	921	439	384	440	460	789	1510	1590	1200	2260	1620	

MEAN	900	657	556	483	759	807	954	1,605	1,343	1,836	1,705	1,267
MEAN	55,310	39,110	34,180	29,680	43,680	49,640	56,790	98,680	79,930	112,900	104,800	75,410
MEAN	900	657	556	483	759	807	954	1,605	1,343	1,836	1,705	1,267
MEAN	55,310	39,110	34,180	29,680	43,680	49,640	56,790	98,680	79,930	112,900	104,800	75,410

1,075
780,110

MEAN

AGHER-PIRE

Y. HALL

PLATE NO. 50

HENRYS FORK near ASHTON, IDAHO

Plate No. 3

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1190	1170	778	656	836	1100	1050	2160	2570	1500	2760	1920
2	1200	1190	733	760	814	1130	1060	2160	2530	1520	2760	1900
3	1200	1240	665	749	858	1120	1060	2040	2570	1520	2760	1900
4	1200	1230	749	770	916	1060	1130	2280	2510	1520	2760	1940
5	1200	1190	738	749	940	1090	1130	2280	2510	1520	2760	2000
6	1200	1190	738	781	988	1090	1120	2200	2360	1400	2470	1980
7	1200	1190	738	760	988	1060	1090	2200	2360	1390	2380	1980
8	1200	1210	718	814	1040	1080	1090	2510	2280	1360	2360	1940
9	1200	1200	747	803	1100	1080	1080	2780	2260	1340	2300	1920
10	1200	1190	686	760	1050	869	1200	2570	1960	1530	2240	1600
11	1210	1170	618	686	964	1080	1190	2440	1940	1790	1920	1560
12	1210	1170	656	676	1000	1120	1140	2340	1900	1920	1560	1560
13	1190	1170	738	627	1120	1170	1160	2280	1660	2470	1560	1560
14	1170	1230	738	686	1140	1120	1170	2300	1630	2550	1560	1560
15	1170	1210	952	718	1160	1140	1230	2320	1660	2530	1560	1560
16	1170	728	1140	676	1090	1140	1330	2360	1580	2700	1840	1560
17	1210	705	1130	738	1090	1120	1470	2630	1610	2590	1680	1600
18	1190	698	1170	696	1160	1120	1470	2970	1600	2780	1790	1660
19	1190	703	1170	676	1130	1190	1420	3060	1560	2740	1790	1240
20	1170	614	1120	707	1130	1130	1450	3120	1700	2530	1900	1230
21	1210	693	1130	718	1130	1130	1530	3100	1730	2570	1980	1200
22	1190	562	1130	770	1190	1130	1630	3100	1790	2570	1980	1210
23	1200	682	1120	1030	1170	1200	1630	2890	1900	2570	1980	1260
24	1200	708	1060	1170	1080	1080	1630	2820	1920	2760	1940	1260
25	1170	693	858	1130	1140	1050	1660	2840	1880	2780	1920	1240
26	1170	729	665	928	1140	1120	1630	2910	1790	2760	1680	1300
27	1170	707	738	1050	1140	1090	1580	2890	1720	2780	1650	1230
28	1170	686	738	1000	1130	1080	1770	2840	1650	2780	1640	1160
29	1190	646	676	656	1100	1090	2240	2820	1560	2760	1920	1160
30	1230	718	676	738	1120	1100	2220	2740	1520	2760	1920	1160
31	1200			738		1120		2610				

FEET	ACRE-	MEAN	MEAN	YEAR
73,330	55,980	1,193	788	1,064
52,010	48,430	61,200	67,810	82,590
		1,388	2,618	161,000
		1,930	114,800	136,400
		2,219	125,600	91,740
		1,542	2,043	

YEAR	MEAN	AGREEMENT
1975	1.475	1.070,890

Plate No. 52

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								2630	4400	1590	1430	1360
2								2580	4060	1520	1520	1360
3								2470	4220	1440	1590	1360
4								2600	4290	1310	1590	1370
5								2500	4030	1180	1430	1360
6								2600	4090	1070	1340	1360
7								3180	4220	940	1330	1430
8								3930	4480	786	1290	1360
9								3600	4220	617	1420	1370
10								3350	3800	739	1290	1380
11								3100	3580	836	1250	1300
12								2800	3360	826	1330	1300
13								2700	2890	1110	1400	1330
14								2630	2520	1370	1210	1330
15								2820	2140	1370	1160	1360
16								3200	1980	1520	1260	1340
17								3260	1860	1610	1140	1380
18								4300	1660	1770	1130	1580
19								5350	1340	1700	1120	1310
20								5980	1370	1480	1200	1200
21								5980	1610	1490	1280	1130
22								6010	2210	1420	1310	1180
23								4960	3280	1300	1310	1240
24								4560	3280	1400	1310	1300
25								4500	3110	1430	1340	1340
26								4770	2770	1460	1250	1440
27								4910	2490	1490	1140	1340
28								4940	2210	1580	1130	1290
29								4750	1920	1580	1130	1250
30								4450	1750	1460	1370	1250
31								4160		1440	1360	

MEAN	ACRE-	PER
1,330	79,160	80,050
1,302	80,990	176,800
2,971	237,200	3,857

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1950	2090	1700	924	1500	1750	1830	3020	5590	2470	1270	1370
2	1900	2010	1770	1090	1550	1800	1910	2900	5560	2160	1380	1360
3	1900	2020	1570	1560	1550	1700	2120	2710	5550	2150	1380	1360
4	1910	2100	1550	1660	1650	1650	2270	2490	5700	2150	1680	1340
5	1900	2120	1600	1760	1700	1600	2060	2670	5780	1980	1660	1380
6	1900	2080	1600	1830	1750	1700	1880	2470	5640	1690	1410	1410
7	1880	2080	1570	1880	1750	1920	1770	2590	5490	1400	1330	1410
8	1880	2150	1540	1830	1750	1880	1690	3240	5490	1060	1300	1410
9	1900	2170	1480	1850	1850	1910	1670	3970	5620	820	1490	1470
10	1970	2140	1470	1750	1800	1750	1720	3960	5380	695	1760	1410
11	2020	2160	1480	1660	1600	1580	1860	3510	4950	640	1710	1340
12	2020	2160	1420	1540	1290	1650	1700	3130	4480	620	1690	1360
13	1980	2150	1430	1270	1400	1780	1600	2910	4110	595	1720	1370
14	1940	2170	1500	1110	1700	1840	1550	2870	3600	1020	1570	1380
15	1920	2210	1550	1240	1900	1830	1700	2840	3050	1210	1360	1380
16	1860	2160	1800	1330	2050	1840	1920	3040	2650	1290	1300	1400
17	1870	1820	1860	1380	2100	1790	2220	3500	2420	1430	1200	1430
18	1920	1780	1870	1400	2050	1780	2510	4240	2390	1470	1030	1550
19	1830	1700	1880	1410	1900	1780	2730	5310	2110	1560	982	1800
20	1780	1600	1840	1420	1900	1800	2470	5950	1880	1480	1010	1740
21	1750	1590	1790	1450	1950	1750	2460	6400	2030	1320	1150	1740
22	1760	1570	1810	1500	1950	1750	2570	6590	2510	1320	1250	1710
23	1780	1600	1810	1650	1900	1820	2730	6650	3320	1170	1290	1780
24	1800	1670	1760	1800	1850	2140	2660	6260	4450	1120	1320	1810
25	1810	1680	1740	1800	1850	2100	2520	5900	5110	1190	1380	1880
26	1830	1690	1560	1570	1850	1910	2520	5700	5030	1280	1410	1900
27	1920	1700	1430	1630	1850	1790	2280	5790	4420	1300	1270	1940
28	2010	1650	1430	1570	1800	1760	2180	5930	3880	1340	1240	1840
29	2040	1590	1490	1420	1750	1840	2440	5990	3270	1480	1380	1830
30	2080	1550	1420	1400	1700	2010	2930	5960	2890	1360	1400	1750
31	2120							5820		1280		

MEAN	1,907	1,905	1,613	1,520	1,776	1,811	2,149	4,333	4,145	1,356	1,383	1,561
ACRE-Feet	117,300	113,400	99,190	93,490	102,100	111,400	127,900	266,400	246,600	83,400	85,040	92,890
MEAN	2,120											
ACRE-Feet	117,300	113,400	99,190	93,490	102,100	111,400	127,900	266,400	246,600	83,400	85,040	92,890

MEAN
ACRE-Feet
1,539,110

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13220						14255	15275	15213	14702	12143	12143
2	13220						14255	15291	15213	14516	12143	12143
3	13220						14300	15291	15213	14392	12143	12143
4	13220		13475				14300	15291	15213	14285	12129	12129
5	13220				13715		14315	15291	15213	14165	12129	12129
6	13220						14315	15291	15213	14060	12129	12129
7	13220	13310					14330	15275	15213	13955	12129	12129
8	13220						14361	15275	15213	13865	12129	12129
9	13220			13655			14361	15275	15213	13760	12129	12129
10	13220						14392	15275	15198	13655	12129	12129
11	13220		13520		13730	13895	14392	15275	15198	13565	12114	12114
12	13235						14407	15275	15198	13460	12114	12114
13	13235						14407	15275	15198	13340	12114	12114
14	13235						14407	15275	15198	13235	12114	12114
15	13235			13670			14423	15260	15198	13130	12114	12114
16	13235						14423	15260	15198	13013	12114	12114
17	13235				13760		14454	15244	15182	12912	12114	12114
18	13235		13550				14516	15229	15182	12810	12114	12114
19	13235						14593	15229	15182	12694	12114	12114
20	13235	13370					14640	15229	15182	12578	12114	12114
21	13235						14686	15229	15182	12477	12114	12114
22	13235				13685		14764	15213	15182	12361	12114	12114
23	13235						14857	15213	15182	12259	12114	12114
24	13235						14950	15213	15182	12143	12114	12114
25	13250						15043	15213	15182	12143	12114	12114
26						13970	15136	15213	15182	12143	12114	12114
27							15229	15213	15089	12143	12129	12129
28							15275	15213	14995	12143	12129	12129
29							15275	15213	14919	12143	12129	12129
30							14240	15213	14810	12143	12129	12129
31	13250											

MEAN
ACRE-
FEETYEAR
OR
PERIOD
MEAN
ACRE-
FEET

Daily discharge, in second-feet, of

FALL RIVER near SQUIDLEY, IOWA

Plate No. 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	570	478	540	440	425	390	410	830	2940	1330	522	432
2	560	478	491	450	425	400	410	780	3020	1280	537	432
3	545	545	460	455	425	400	410	740	3120	1250	522	432
4	537	545	480	460	425	390	410	740	3260	1100	506	432
5	537	490	500	470	425	390	410	732	3320	964	514	418
6	537	454	505	475	425	395	408	850	3370	880	506	418
7	537	475	505	520	425	400	406	970	3500	790	491	404
8	537	475	506	515	425	404	405	1100	3690	765	522	537
9	537	475	497	485	425	404	404	997	3450	750	639	537
10	530	475	490	455	415	405	411	960	3300	730	588	537
11	525	470	485	445	410	405	411	930	3070	675	537	537
12	522	461	485	439	415	415	411	920	2950	675	570	537
13	520	461	490	438	420	425	411	930	2700	630	554	537
14	517	551	490	438	420	420	411	953	2580	639	554	537
15	514	570	490	438	420	450	450	1110	2530	639	554	537
16	512	540	490	435	417	530	530	1450	2490	622	537	554
17	545	525	492	430	418	610	610	2370	2250	613	554	554
18	545	505	496	430	420	650	650	3140	2000	613	537	657
19	530	480	499	430	420	604	604	3250	1830	596	537	660
20	520	470	492	430	420	640	660	3050	1780	545	491	562
21	514	460	485	435	410	660	670	2720	1750	522	491	558
22	522	454	480	450	404	670	670	2440	2050	522	491	554
23	516	460	480	440	415	670	670	2610	2180	522	506	537
24	510	470	480	435	425	660	660	2770	1800	506	491	530
25	499	454	480	430	425	2870	2870	2770	1630	491	461	530
26	490	460	480	420	420	640	600	3010	1440	483	461	530
27	483	465	476	410	405	3050	3050	3050	1440	530	447	526
28	480	470	460	410	400	3050	3050	3050	1390	499	432	522
29	480	470	470	420	404	730	730	2970	1350	514	432	522
30	478		420	425	415	830	830	2850		514		
31												

MEAN FEET	MEAN ACRE- FEET	28, 910	29, 740	27, 330	25, 140	25, 190	31, 610	116, 000	147, 300	43, 140	31, 550	31, 100
520	486	484	437	410	531	1, 886	2, 476	702	513	523		

MEAN
YEAR
ACRE-
FEET
569, 000
784

FALL RIVER NEAR CHESTER, IDAHO

Daily discharge, in second-feet, of

Plate No. 56

for the year ending September 30, 1913

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1030	950	1080	980	3170	3270	3100	3150	930	864	62	53
2	1030	950	1080	980	3170	3270	3100	3150	802	658	66	44
3	1080	1080	1080	1080	1080	1080	1080	1080	658	802	66	42
4	980	980	980	980	980	980	980	980	529	529	80	41
5	1050	1050	1050	1050	1050	1050	1050	1050	412	412	74	41
6	1330	1330	1330	1330	1330	1330	1330	1330	342	342	67	41
7	1600	1600	1600	1600	1600	1600	1600	1600	3720	253	76	78
8	1350	1350	1350	1350	1350	1350	1350	1350	3410	208	242	186
9	1170	1170	1170	1170	1170	1170	1170	1170	3320	166	242	143
10	1080	1080	1080	1080	1080	1080	1080	1080	3050	143	230	143
11	1010	1010	1010	1010	1010	1010	1010	1010	2950	134	242	149
12	1070	1070	1070	1070	1070	1070	1070	1070	2690	159	226	153
13	1070	1070	1070	1070	1070	1070	1070	1070	2320	238	238	156
14	1230	1230	1230	1230	1230	1230	1230	1230	2010	234	230	179
15	1640	1640	1640	1640	1640	1640	1640	1640	1880	219	208	186
16	2340	2340	2340	2340	2340	2340	2340	2340	1810	226	176	197
17	3240	3240	3240	3240	3240	3240	3240	3240	1460	234	159	298
18	3290	3290	3290	3290	3290	3290	3290	3290	1160	183	149	320
19	3730	3730	3730	3730	3730	3730	3730	3730	1050	137	126	303
20	3790	3790	3790	3790	3790	3790	3790	3790	1030	120	129	274
21	3770	3770	3770	3770	3770	3770	3770	3770	1330	106	129	320
22	3000	3000	3000	3000	3000	3000	3000	3000	1970	90	156	307
23	2880	2880	2880	2880	2880	2880	2880	2880	1910	74	159	351
24	3020	3020	3020	3020	3020	3020	3020	3020	1720	69	153	395
25	3240	3240	3240	3240	3240	3240	3240	3240	1540	66	126	401
26	3190	3190	3190	3190	3190	3190	3190	3190	1400	59	101	345
27	3390	3390	3390	3390	3390	3390	3390	3390	1180	47	86	307
28	3370	3370	3370	3370	3370	3370	3370	3370	1090	41	74	307
29	3190	3190	3190	3190	3190	3190	3190	3190	1040	36	64	
30	3000	3000	3000	3000	3000	3000	3000	3000		39		

MEAN	ACRE-FOOT	MEAN	ACRE-FOOT	MEAN	ACRE-FOOT	MEAN	ACRE-FOOT	MEAN	ACRE-FOOT	MEAN	ACRE-FOOT	MEAN	ACRE-FOOT
206	12,280	138	8,510	252	15,510	2,255	134,200	2,169	133,400	2,255	134,200	138	8,510

MEAN 303,900

PERIOD

U. S. GOVERNMENT PRINTING OFFICE

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	364	324	290	193	193	175	210	339	1080	761	443	296
2	354	319	290	195	193	200	380	324	1120	784	443	292
3	354	339	285	195	193	200	419	319	1220	808	443	288
4	349	349	280	195	193	150	360	329	1220	746	437	283
5	344	364	275	195	193	105	330	329	1040	678	431	279
6	339	359	270	195	193	130	310	324	972	643	443	283
7	334	344	270	220	193	200	300	344	1020	615	425	283
8	334	344	265	290	193	195	330	402	1110	595	425	283
9	339	349	260	334	193	190	400	359	1220	588	454	283
10	334	354	250	285	180	160	528	329	1180	581	437	283
11	354	354	210	260	175	155	440	349	1110	568	419	283
12	370	329	220	260	170	230	360	349	1100	568	402	283
13	354	319	240	230	180	290	360	349	997	561	392	279
14	344	319	230	200	195	200	440	349	913	561	375	274
15	344	319	230	195	205	190	540	354	864	568	370	270
16	344	324	230	195	220	180	700	375	776	561	349	270
17	359	324	230	195	230	175	660	402	700	554	344	296
18	349	324	240	195	220	175	640	460	664	561	339	370
19	329	324	230	195	215	170	620	497	678	548	344	402
20	324	319	230	195	210	163	580	746	746	535	344	386
21	319	300	230	195	210	150	620	905	808	503	339	344
22	324	305	230	195	220	180	440	897	1040	497	329	319
23	324	320	220	195	210	220	380	864	1150	497	324	310
24	334	310	210	195	200	340	364	792	1220	503	319	305
25	349	305	205	195	180	240	364	808	1070	484	314	310
26	334	300	200	180	175	220	364	905	963	472	314	310
27	324	290	190	160	170	214	370	1020	897	466	314	305
28	324	260	185	172	170	240	364	1160	808	460	301	301
29	329	270	180	185	270	270	359	1290	761	460	296	301
30	354	280	170	193	320	320	359	1210	738	466	292	301
31	344						1060			460		

MEAN	20,980	19,120	14,290	12,780	11,190	12,430	25,570	36,770	57,890	35,010	22,840	17,980
341	321	232	208	195	202	430	598	973	569	371	302	
395												

286,850

MEAN

YEAR

ACROSS-SECTION

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	573	558	539	530	456	385	375	426	852	304.0	1300	796
2	558	558	539	530	458	377	349	712	743	3130	1340	803
3	558	558	563	430	460	375	320	954	683	3210	1700	796
4	549	568	568	430	462	380	312	628	661	3110	1310	796
5	544	544	549	435	466	375	328	644	2760	1190	789	498
6	544	544	549	435	466	375	328	554	2590	1110	796	494
7	544	544	544	435	489	375	349	494	639	1110	796	498
8	544	544	544	435	578	375	349	507	2730	1040	782	503
9	544	544	544	470	628	377	344	582	2880	991	803	516
10	544	544	539	470	360	336	917	895	2780	924	852	526
11	549	535	503	405	345	320	756	895	2780	924	852	526
12	568	535	503	374	320	370	782	719	2600	902	816	516
13	554	521	408	412	340	410	602	628	2470	888	737	512
14	544	526	474	380	355	370	776	694	2270	946	639	503
15	535	526	417	370	370	340	769	700	1800	1030	613	498
16	526	526	426	370	385	336	969	769	1640	998	597	503
17	535	530	391	370	390	336	1320	1330	1560	976	582	512
18	544	530	462	370	390	336	1460	2050	1710	976	597	597
19	530	530	478	370	385	336	976	2480	1380	954	639	672
20	526	507	427	350	380	336	946	2770	1450	917	628	650
21	526	498	422	350	320	320	924	2910	1500	837	628	608
22	526	498	430	360	391	353	1010	3050	1750	837	628	573
23	530	530	430	360	378	453	909	2660	2080	844	639	554
24	539	516	395	360	344	521	796	2530	2060	844	623	539
25	549	503	380	360	340	478	769	2730	1820	859	563	507
26	544	512	360	340	357	378	743	3000	1620	844	602	512
27	530	507	350	310	361	369	700	3290	1500	830	613	516
28	526	458	340	320	340	395	689	3430	1390	803	578	535
29	526	450	330	320	355	422	789	3480	1340	803	568	526
30	526		320	375		412	902	3340	1310	816	554	521
31	554		310	375				2970				

MEAN	54.2	52.3	41.4	41.1	36.7	36.8	22.620	49.070	108.100	127.100	2.135	9.77	681	532
AGRE-	33,330	31,110	25,480	25,260	21,090	22,620	49,070	108,100	127,100	60,080	11,840	31,640		
FEET														

YEAR
MIDIAN
AGRE-FEET
576,720
794

Daily discharge, in second-feet, of Fortneut River at Pocastello, Idaho

For the year ending September 30, 1959 Plate No. 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							426	686	291	150	66	74
2							450	656	257	145	66	73
3							497	623	224	127	66	71
4							518	592	197	115	63	71
5							520	596	175	102	66	67
6							502	598	133	87	68	72
7							464	638	116	78	71	74
8							432	686	93	66	77	72
9							426	689	58	62	79	72
10							483	671	35	44	78	73
11							495	658	58	46	82	73
12							470	638	50	45	83	73
13							446	625	41	46	83	72
14							454	623	43	47	83	69
15							458	629	48	37	79	68
16							516	656	49	35	75	68
17							584	678	51	33	68	72
18							636	706	56	33	71	83
19							629	719	59	41	75	111
20							618	730	65	53	75	144
21							642	726	109	54	78	172
22							686	708	279	56	78	186
23							689	684	342	58	84	176
24							658	642	380	65	83	154
25							636	577	348	71	82	148
26							607	544	279	69	79	156
27							581	502	231	63	77	154
28							594	454	210	57	80	154
29							667	446	169	54	75	163
30							702	398	156	60	72	164
31								340		66		

MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN
106	75.3	66.6	153	617	549	32,700	37,920	9,130	4,100	4,630	6,290	106

YEAR OR PERIOD
MEAN
AGREEMENT