

WATER DISTRIBUTION
AND HYDROMETRIC WORK

DISTRICT NO. 36

SNAKE RIVER, IDAHO

1970

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INTRODUCTION

The annual meeting of Water District No. 36 was held at Idaho Falls on March 2, 1970. A. L. Larson was elected as watermaster for the ensuing year.

The following were elected as members of the Committee of Nine:

Leonard Graham, Chairman; Alfred Peters, Vice-Chairman; C. N. Scoresby, Secretary; Leo Murdock, R. Willis Walker, Lester Saunders, Lavon Christensen, Burdell Curtis, Lynn Loosli.

Advisory members: Glen Simmons, representing the Bureau of Reclamation; William Kerner, representing the Gooding Project; F. C. Gillette, representing Teton Basin, and John Stevenson.

Principal resolutions adopted at the annual meeting were as follows:

1. That the following transmission losses be charged on stored water: 1.7% Moran to Palisades; 0.8% Palisades to Heise; 4.4% Heise to Lorenzo; 0.5% Lorenzo to Woodville; 6% Woodville to Blackfoot; 4% Henrys Lake to Island Park; 2% Island Park to Warm River; 0.5% Warm River to Ashton.
2. Adopted a budget of \$63,580 to cover the expense of operating the District during the coming year.
3. Recommended the continuation of a pool committee to obtain and allocate rental water.
4. Reaffirmed support of an integrated multipurpose Lynn Crandall project.

Precipitation for 1970 was 114% of normal. The average precipitation

for nine representative stations for the water year ending September 30, 1970, was 17.57" compared to a normal of 15.41. Precipitation for November, February, and August was 51%, 36%, and 54% of normal, respectively. January, April, and September precipitation was 201%, 165%, and 181% of normal respectively. River regulation was discontinued on September 11 in the upper valley and October 9 on the lower valley.

With the above normal precipitation in April, May and June, and delayed snow melt, there was ample normal flow to supply all needs for water through July 4.

The Milner spill was cut off on July 5. During the October through July period about 1,380,000 acre-feet in excess of Idaho Power Company rights spilled to waste past Milner. All reservoir allotments were 100% filled.

Storage deliveries started in the lower valley on July 4. The 1916 "floodwater" rights were cut off on July 5. The lowest cut in rights was from August 21 to 29 when the August 18, 1894 rights were cut off.

Total usable contents in the reservoir system on October 9 (American Falls time) was 2,528,000 acre-feet. This is 62% of active capacity and the third highest of record.

Discharge at the Minidoka Dam was cut below the 2,700 cfs power right October 10 to January 1 and February 22 to April 2.

The Bureau of Reclamation continued studies on the proposed Lynn Grandall project and the American Falls Dam replacement. Pre-construction work was carried out at the Fremont damsite on Teton River, and construction begun on the Ririe Dam with the outlet tunnel completed.

PERSONNEL

The persons engaged in water distribution during 1970 were as

follows:

Arthur L. Larson	Watermaster and Deputy Com of Reclamation
C. Michael Bennett	Hydraulic Engineer and Deputy Watermaster
Ira R. Virgil	Engineering Aid and Hydrographer
L. C. Anderson	Deputy Watermaster and Hydrographer at St. Anthony
Harold W. Blauer	Hydrographer at Burley
A. H. Bush	Hydrographer at Idaho Falls
Judith R. Zavala	Clerk
Arthur W. Wilson	Deputy Watermaster and Hydrographer, Teton Basin
Seth L. Hansen	Deputy Watermaster, Teton Basin
Val L. Richards	Deputy Watermaster, Lower Teton River
S. B. Garrett	Deputy Watermaster, Henrys Fork
Elmer Lenz	Deputy Watermaster, Upper Fall River
Bruce Cole	Deputy Watermaster, Heise Division
J. M. Brown	Deputy Watermaster, Rigby Division
James Gamblin	Deputy Watermaster, Idaho Falls Division
Al Smith D	Deputy Watermaster, Blackfoot Division
Howard Hatfield	Deputy Watermaster, Swan Valley Division
Glenn Simmons	Supt. Minidoka Project, Bur. of Reclamation
Allan Templeton	Supt. Am Falls Res., Bureau of Reclamation
Tom Gates	Asst. Supt. Am. Falls Res., Bureau of Reclamation
James L. Braman	Supt. Jackson Lake, Bureau of Reclamation
Charles Robinson	Supt. Palisades Res., Bureau of Reclamation
John Williams	Supt. Island Park Res., Bureau of Reclamation

Gage Readers: Foster B. Randall, Bruce Cole, Florence Siepert, R. E. Wagner, Rogers Livingston, R. H. Seymour, Mario M. Purin, Roy Flavel, Jess Jackson.

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. Normals are those computed by Soil Conservation Service and are mostly for period 1953-67.

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

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W	S	W
<u>Moran (Snake River)</u>								
1961	25	4.8	26	6.2	33	7.9	26	7.5
1962	35	8.0	41	10.4	43	12.4	44	14.2
1963	11	1.8	27	5.2	29	8.6	25	8.2
1964	21	3.8	40	9.1	38	10.1	43	12.7
1965	37	10.3	52	14.1	48	15.8	50	17.6
1966	24	4.1	32	8.1	38	9.6	34	10.4
1967	22	4.6	37	10.3	41	12.4	40	12.9
1968	21	3.3	35	7.3	35	9.9	33	9.9
1969	28	5.5	44	11.4	49	13.6	44	14.0
1970	21	3.8	42	11.2	40	13.0	42	13.7
Normal		5.4		8.8		11.4		12.4
<u>Moran Canyon (Snake River)</u>								
1961			35	9.5	49	13.6	49	16.5
1962			57	17.3	65	23.0	70	26.0
1963			-	-	45	13.1	39	13.9
1964			54	13.7	49	16.7	66	20.4
1965			74	20.9	69	23.7	72	26.2
1966			46	12.9	54	16.0	49	17.8
1967			49	14.2	58	18.3	55	20.5
1968			42	10.4	56	16.3	51	17.8
1969			56	16.2	63	19.0	55	20.0
1970			66	18.8	60	21.4	63	23.6
Normal				13.8		18.7		21.5
<u>Arizona Station (Snake River)</u>								
1961	30	7.3	33	8.3	47	12.8	46	15.3
1962	44	11.7	49	14.1	61	19.3	67	23.5
1963	15	3.0	30	5.7	36	9.8	33	10.3
1964	28	6.6	50	12.5	62	18.3	60	18.7
1965	48	13.7	67	19.8	63	22.2	66	25.0
1966	35	6.3	39	11.4	45	13.6	51	17.0
1967	32	8.8	53	15.4	59	18.8	62	21.5
1968	24	4.7	41	9.6	47	13.7	50	16.1
1969	34	8.4	67	18.6	70	21.9	63	22.5
1970	28	5.3	58	14.8	51	16.3	57	19.8
Normal		7.4		12.0		16.3		19.2

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

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W	S	W
<u>Huckleberry Divide (Snake River)</u>								
1961	32	7.6	33	8.6	46	12.7	50	15.2
1962	44	11.6	52	14.9	63	20.1	68	23.7
1963	16	3.5	35	6.6	42	10.7	38	11.6
1964	29	6.7	52	12.9	49	14.5	63	19.7
1965	46	12.7	66	18.9	64	22.7	65	24.1
1966	35	6.5	44	12.7	48	15.5	53	17.7
1967	29	7.4	52	14.6	56	17.3	58	19.5
1968	31	6.5	49	11.4	57	16.4	53	17.7
1969	36	8.6	66	17.8	70	21.7	60	21.9
1970	28	5.5	60	13.7	49	15.6	57	19.6
Normal		7.8		12.6		16.8		19.4

<u>Snake River Station (Snake River)</u>								
1961	37	8.7	37	10.1	53	15.1	57	17.9
1962	48	12.8	53	15.9	63	20.2	66	23.2
1963	19	4.8	41	8.3	49	13.2	44	14.6
1964	28	6.2	52	12.5	52	15.0	65	20.3
1965	46	12.8	66	18.6	71	23.8	70	25.7
1966	35	6.3	44	12.3	48	15.1	51	17.8
1967	25	6.6	51	14.5	58	18.0	59	20.4
1968	29	5.8	47	10.7	57	17.0	56	19.2
1969	40	9.1	59	17.3	63	20.1	59	21.2
1970	32	6.2	69	16.8	58	19.4	63	23.2
Normal		8.1		13.2		17.9		20.9

<u>Lewis Lake Divide (Snake River)</u>								
1961	54	15.6	51	17.0	89	27.6	102	36.1
1962	86	25.9	86	30.8	116	42.4	133	50.4
1963	31	9.7	59	14.8	75	23.6	71	26.3
1964	45	12.8	79	22.8	79	26.8	112	37.3
1965	87	28.8	121	39.5	126	48.8	130	52.1
1966	66	14.8	77	25.4	81	30.1	89	34.9
1967	48	15.9	103	32.1	107	39.0	122	45.6
1968	45	11.6	82	21.4	90	28.3	94	33.0
1969	59	15.4	110	34.4	117	42.0	104	42.4
1970	52	12.2	109	28.7	97	35.1	109	42.6
Normal		17.5		26.7		36.0		42.7

<u>Aster Creek (Snake River)</u>								
1961	41	11.8	42	12.3	71	19.7	79	25.9
1962	67	20.4	71	23.1	93	32.0	106	38.2
1963	28	8.0	48	10.9	61	17.7	56	19.2
1964	32	8.0	65	16.5	62	18.3	81	25.4
1965	78	24.7	102	33.9	99	37.9	107	41.9
1966	62	12.4	63	20.5	66	23.5	76	29.1
1967	40	12.8	91	26.6	89	31.2	100	36.2
1968	33	7.9	69	16.3	66	20.3	67	22.5
1969	47	10.7	106	30.6	107	36.3	94	36.1
1970	34	7.6	84	20.6	69	23.0	79	28.8
Normal		12.9		20.0		26.5		31.4

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

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W	S	W
<u>Colter Creek (Snake River)</u>								
1961			34	9.2	53	15.5	59	19.1
1962			55	16.2	68	21.9	70	25.4
1963			38	8.4	49	14.0	47	15.7
1964			57	12.8	52	16.4	74	22.4
1965			-	-	74	25.3	78	26.9
1966			-	-	55	16.3	43	16.4
1967			-	-	60	20.6	61	22.5
1968			-	-	56	18.6	55	19.6
1969			62	18.7	64	21.5	57	20.9
1970					64	22.8	66	25.0
Normal						19.6		22.7
<u>Glade Creek (Snake River)</u>								
1961	36	8.6	35	10.0	50	13.9	60	18.3
1962	51	14.0	56	17.5	70	23.4	70	27.4
1963	16	3.9	37	9.0	44	11.8	44	13.0
1964	29	6.5	52	12.9	50	15.1	67	20.6
1965	47	13.9	69	20.6	71	25.0	74	27.0
1966	37	6.8	46	13.3	57	16.3	54	19.1
1967	29	7.3	52	14.8	61	18.9	63	22.0
1968	29	5.9	50	11.8	59	18.1	57	19.3
1969	36	9.1	64	18.1	67	21.0	63	23.0
1970	32	6.6	68	17.1	59	19.6	64	22.8
Normal		8.6		14.1		18.7		22.1
<u>Base Camp (Snake River)</u>								
1961	-	6.3	32	7.3	44	11.5	38	12.3
1962	44	11.1	46	13.3	56	17.3	59	20.5
1963	17	4.0	42	8.6	42	12.0	37	12.4
1964	28	6.5	52	12.8	51	15.2	64	19.7
1965	52	16.0	81	23.8	71	26.9	75	29.9
1966	31	6.4	42	12.4	46	14.6	49	16.9
1967	30	7.5	56	15.9	59	19.7	60	22.0
1968	31	6.6	42	10.5	55	16.1	53	17.5
1969	42	9.0	61	16.7	62	20.4	58	20.3
1970	29	5.7	64	16.7	55	18.9	57	21.9
Normal		7.4		12.7		16.8		19.1
<u>Average water content of ten Jackson Lake courses</u>								
1961				9.8		15.0		18.4
1962				17.4		23.2		27.2
1963				7.7		13.4		14.5
1964				13.8		16.2		21.7
1965				23.3		27.2		29.6
1966				14.3 (9)		17.1		19.7
1967				17.6 (9)		21.4		24.3
1968				12.9 (9)		17.5		19.3
1969				20.0 (9)		23.8		24.2
1970				17.6 (9)		20.51		24.1
Normal				14.8		19.9		23.1

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

Year	Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W
<u>Turpin Meadows (Buffalo River)</u>						
1961	25	5.6	31	7.4	28	8.4
1962	34	8.5	40	11.4	40	12.1
1963	27	4.9	31	7.1	22	6.4
1964	35	7.9	38	9.6	43	12.5
1965	48	10.6	40	12.4	42	12.9
1966	25	5.8	28	6.8	24	7.0
1967	30	7.1	35	9.6	29	9.8
1968	29	6.3	33	9.5	36	10.4
1969	35	8.5	36	9.5	35	10.1
1970	40	9.1	34	10.5	34	11.3
Normal		7.2		9.5		10.3

<u>Four Mile Meadows (Buffalo River)</u>						
1961	32	7.5	40	10.0	44	11.4
1962	40	10.1	49	13.3	54	15.9
1963	35	6.3	42	10.0	36	10.5
1964	42	9.5	45	11.8	51	15.1
1965	50	12.3	44	14.0	48	16.1
1966	29	6.9	35	8.6	34	9.4
1967	35	8.0	39	10.4	41	12.6
1968	41	9.5	47	12.3	52	14.9
1969	42	10.3	43	11.9	44	13.1
1970	44	10.3	39	11.9	43	13.4
Normal		8.5		11.0		13.1

<u>Black Rock (Buffalo River)</u>						
1961	41	10.1	52	13.3	57	17.1
1962	51	14.8	68	20.2	72	25.0
1963	48	9.1	60	15.8	52	17.3
1964	56	13.5	57	16.8	68	22.3
1965	77	20.3	68	24.5	76	28.2
1966	40	10.8	37	12.7	48	15.8
1967	53	13.8	60	18.2	64	21.3
1968	59	15.3	67	20.3	69	22.6
1969	60	16.8	62	19.8	65	21.9
1970	64	16.6	59	18.9	64	22.0
Normal		13.4		17.6		21.6

<u>Togwotee Pass (Buffalo River)</u>						
1961	54	15.3	67	19.0	71	24.0
1962	66	21.6	86	28.3	89	33.4
1963	64	13.6	77	22.0	69	24.4
1964	70	18.3	70	22.1	85	30.3
1965	99	28.1	86	33.5	99	39.4
1966	49	14.6	57	17.5	58	21.2
1967	74	20.1	81	26.9	86	31.6
1968	62	18.3	77	25.0	78	27.8
1969	80	23.8	81	27.4	79	29.8
1970	82	21.5	72	23.9	82	29.9
Normal		18.6		24.4		29.8

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

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W	S	W
<u>Valley View Ranch (Henrys Fork)</u>								
1961	25	4.8	23	5.8	39	10.1	42	13.4
1962	37	9.0	46	12.8	54	15.8	58	19.4
1963	21	4.7	31	7.6	32	8.4	35	9.0
1964	22	4.6	45	11.5	50	14.8	58	19.4
1965	45	11.2	76	23.5	64	24.0	65	25.9
1966	22	3.4	34	8.4	37	10.6	39	13.0
1967	33	7.0	62	18.2	61	22.2	69	25.2
1968	37	8.0	54	13.6	51	16.9	50	17.8
1969	33	6.3	75	22.4	83	28.1	69	28.1
1970	23	3.0	40	8.6	35	10.1	51	16.4
Normal		5.3		10.3		13.3		15.9
<u>Big Springs (Henrys Fork)</u>								
1961	31	6.8	30	8.8	53	16.5	56	19.8
1962	49	13.5	56	17.5	68	22.8	69	25.6
1963	15	3.2	28	6.2	35	9.2	32	10.4
1964	26	5.8	49	11.4	53	14.9	65	21.8
1965	58	13.3	81	22.2	69	24.6	68	26.3
1966	23	3.3	41	10.5	46	13.9	44	16.8
1967	37	9.4	69	19.4	68	23.1	74	26.7
1968	32	5.9	55	12.1	51	16.8	50	17.9
1969	41	8.4	69	21.3	85	26.0	68	27.2
1970	30	5.4	62	16.3	55	18.6	67	23.2
Normal		7.2		13.1		17.9		20.8
<u>Island Park (Henrys Fork)</u>								
1961	27	5.5	26	7.0	45	12.5	45	15.0
1962	40	10.2	49	13.2	57	17.6	62	20.3
1963	14	3.0	25	4.9	31	7.8	30	8.8
1964	23	4.5	42	8.7	43	11.1	51	15.9
1965	55	11.5	73	19.4	60	20.4	55	20.8
1966	19	2.5	56	8.4	40	11.2	34	11.5
1967	32	6.4	59	15.8	54	17.2	56	19.6
1968	26	4.4	46	8.9	44	12.9	30	13.5
1969	36	6.4	64	19.4	77	23.5	52	23.4
1970	27	4.6	54	12.6	48	15.1	58	19.4
Normal		5.6		10.6		13.9		15.6
<u>Grassy Lake (Falls River)</u>								
1961	49	13.2	46	15.1	74	23.3	81	28.6
1962	70	20.4	77	25.6	92	34.4	100	39.9
1963	26	7.1	54	14.3	63	19.0	69	22.3
1964	40	10.1	74	19.7	78	24.4	97	33.1
1965	71	22.6	103	32.8	102	38.5	103	42.6
1966	48	10.8	65	19.1	79	25.4	75	28.8
1967	47	13.0	79	23.9	86	29.8	98	34.8
1968	55	12.9	81	22.4	91	30.2	89	33.8
1969	59	15.9	84	27.6	97	32.5	86	34.1
1970	54	12.4	102	27.4	91	33.2	101	38.8
Normal		13.4		21.9		29.1		34.3

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

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W	S	W
<u>State Line (Teton River)</u>								
1961	29	5.3	29	6.1	41	9.3	35	10.9
1962	35	8.1	40	10.4	48	14.0	48	15.5
1963	9	1.9	19	4.0	21	5.9	23	6.5
1964	21	4.0	38	9.8	41	12.2	50	16.8
1965	32	9.0	48	13.0	51	16.1	59	17.7
1966	16	3.5	25	6.4	29	7.8	33	11.1
1967	23	6.2	41	11.8	49	15.3	47	16.7
1968	22	4.7	33	7.4	34	10.1	40	11.6
1969	32	6.4	44	11.3	53	15.1	46	16.4
1970	24	4.1	46	10.0	40	13.0	51	16.8
Normal		5.4		9.0		12.2		14.7
<u>Grover Park Divide (Salt River)</u>								
1961	23	5.5	21	4.6	30	7.5	29	7.5
1962	30	8.1	37	10.5	43	12.9	40	15.0
1963	7	1.0	23	5.1	30	7.4	25	8.1
1964	18	3.9	30	6.7	33	9.0	42	13.1
1965	31	7.9	51	12.4	41	13.6	40	13.4
1966	22	4.1	25	5.9	30	7.8	26	8.5
1967	17	3.8	31	8.0	38	11.3	39	12.8
1968	23	4.3	30	6.8	33	10.1	37	11.9
1969	32	6.1	39	9.8	43	13.4	40	14.0
1970	19	3.0	43	10.1	36	12.4	43	14.9
Normal		5.1		7.3		10.2		11.6
<u>OCC Camp FF12 (Salt River)</u>								
1961	25	5.3	24	4.8	28	6.5	30	6.9
1962	31	7.0	36	9.3	45	11.7	40	11.5
1963	8	1.6	22	5.0	28	7.8	27	8.5
1964	20	4.0	36	8.0	38	9.6	45	13.5
1965	38	8.8	49	13.4	48	16.3	50	16.6
1966	16	3.5	28	5.4	32	8.1	28	7.6
1967			32	8.4	42	12.5	39	12.6
1968	22	4.1	25	5.3	31	8.4	30	10.0
1969	30	5.4	39	9.6	48	13.5	42	14.0
1970	19.7	2.9	38	8.6	33	9.1	41	12.5
Normal		5.1		7.5		10.3		11.4
<u>Salt River Summit (Salt River)</u>								
1961	31	7.3	30	6.6	38	8.7	36	10.0
1962	40	8.7	44	13.0	57	14.9	55	19.4
1963	11	2.0	29	5.6	41	10.4	38	11.8
1964	24	5.4	45	10.3	43	12.5	54	16.6
1965	50	12.4	60	16.6	60	22.1	56	19.6
1966	23	5.9	35	8.5	41	12.0	38	11.5
1967	20	4.0	41	11.2	49	16.1	54	17.6
1968	25	4.8	31	7.1	40	10.4	39	12.6
1969	38	6.6	53	13.6	60	17.8	51	18.1
1970	23	3.4	50	11.3	43	12.7	46	15.6
Normal		6.5		9.7		13.3		15.2

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

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W	S	W
<u>Greys Boundary (Grays River)</u>								
1961	22	5.3	21	3.9	26	6.9	25	7.5
1962	30	6.8	39	9.5	42	10.9	39	13.2
1963	T	0	20	4.5	12	3.3	T	0
1964	24	4.2	39	9.8	40	11.6	51	15.1
1965	19	4.4	41	9.1	35	10.8	35	11.9
1966	14	3.3	25	4.9	32	8.1	26	7.4
1967	13	1.9	28	8.3	35	10.3	29	9.2
1968	24	4.3	35	8.4	34	10.6	28	10.4
1969	32	5.5	31	8.2	32	11.9	32	11.9
1970	19	2.9	33	10.0	-	-	37	13.3
Normal		4.6		7.3		10.1		10.4

On April 1, 1970, the snow (water content) was the following average percent of normal: above Jackson Lake 104%, Moran to Heise 108%, Island Park 112%, Falls River 113%, Teton River 121%.

Comparable figures for run-off during the year ending September 30, 1970, as percent of normal were: Snake River at Moran 102%, Snake River near Heise 103%, Henrys Fork near Ashton 127%, Falls River near Squirrel 119%, Teton River near St. Anthony 122%.

The following tables show forecasts of streamflow made last spring compared to observed run-off:

Forecasts by Soil Conservation Service - April 1, 1970

Station	Runoff in Acre-feet - April thru Sept.		
	Forecast	Observed *	% difference
Snake River at Moran	850,000	896,000	- 5.1
Snake River near Heise	3,600,000	4,009,000	-11.4
Salt River near Etna	340,000	356,400	- 4.8
Henrys Fork near Ashton	610,000	782,500	-22.0
Teton River nr. St. Anthony	410,000	533,600 **	-30.1

*Corrected for storage in upstream reservoirs.

**Corrected for inflow from Cross Cut Canal.

Forecasts by U.S. Weather Bureau - April 1, 1970

Station	Runoff in acre-feet - April thru Sept.		
	Forecast	Observed *	% difference
Snake River at Moran	765,000	896,000	-17.1
Snake River near Heise	3,160,000	4,009,000	-26.8
Salt River near Etna **	340,000	429,900	-26.4
Henry's Fork near Ashton **	829,000	1,011,500	-22.0
Henry's Fork near Rexburg **	1,590,000	2,446,000 ***	-53.8
Falls River nr. Squirrel **	476,000	556,700	-17.0
Teton River nr. St. Anthony **	473,000	603,960 †	-27.6

* Corrected for storage in upstream reservoirs.

** January thru September.

*** Corrected for diversions.

† Corrected for Cross Cut Canal

1970 REGULATION SCHEDULE

July 5	Filling part of March 30, 1921 priority
July 6	Filling part of Aug. 6, 1920 priority
July 7	Filling part of March 30, 1921 priority
July 13	Filling part of Aug. 6, 1920 priority
July 15	Filling part of Mar. 30, 1921 priority
July 16	Filling part of Nov. 14, 1916 priority
July 17	Filling part of Aug. 23, 1906 priority
July 18	Filling part of Mar. 26, 1903 priority
July 23	Filling part of Oct. 11, 1900 priority
July 25	Filling part of June 1, 1899 priority
July 31	Filling part of July 19, 1896 priority
Aug. 4	Cut off June 1, 1895 priority
Aug. 7	Filling all Feb. 6, 1895 priority
Aug. 10	Filling all June 1, 1895 priority
Aug. 12	Filling 50% Feb. 6, 1895 priority
Aug. 13	Cut off Feb. 6, 1895 priority
Aug. 17	Filling Jan. 9, 1895 priority
Aug. 20	Filling Aug. 18, 1894 priority
Aug. 21	Filling all June 1, 1894 priority
Aug. 29	Filling 50% Feb. 6, 1895 priority
Sept. 4	Filling July 9, 1896 priority
Sept. 8	Filling part of March 26, 1903 priority
Sept. 11	Filling part of Oct. 7, 1905 rights in Lower Valley
Sept. 14	Restored all rights in Upper Valley
Oct. 9	Restored all rights in Lower Valley

WATER SUPPLY

Runoff in acre-feet at various gaging stations during the year ending September 30, 1970, was as follows:

<u>Station</u>	<u>1970 Runoff</u>	<u>Average runoff past years</u>	<u>Years of Record</u>	<u>1970 % of Average</u>
Snake River at Moran	1,063,000	1,038,000	67	102
Snake River near Heise	5,084,000	4,956,000	60	103
Snake River at Neeley	5,933,000	4,948,000	44	120
Falls River near Squirrel	651,600	549,600	56	119
Teton River near St. Anthony	670,200	548,600	37	122
Henry's Fork near Ashton	1,280,000	1,013,000	50	127
Henry's Fork near Rexburg	1,894,000	1,395,000	61	136

The runoff at Moran has been corrected for Jackson Lake holdovers; near Heise for Jackson Lake and Palisades holdovers; at Neeley for Palisades and American Falls holdovers; at Squirrel for Grassy Lake holdovers; at Ashton for Island Park and Henry's Lake holdovers; at Rexburg for Grassy Lake, Island Park and Henry's Lake holdovers; at St. Anthony for Cross Cut Canal discharge into Teton River.

Peak discharges were as follows:

Snake River at Moran	5,570 cfs on June 29
Snake River near Heise	25,000 cfs on June 30
Snake River near Blackfoot	20,900 cfs on July 1
Henry's Fork near Rexburg	10,900 cfs on May 29
Teton River near St. Anthony	4,210 cfs on June 10
Blackfoot River nr. Blackfoot	1,211 cfs * on May 22
Snake River at Milner	15,200 cfs on June 16

* Includes 714 cfs in Bypass channel.

Henry's Fork near Rexburg approached record flows, with the instantaneous peak exceeding the previously known one of 1964 by 100 cfs. Flooding of lowlands along the Henry's Fork occurred between St. Anthony and its confluence with the North Fork. Some farmlands in the Menan-Roberts area were flooded by seepage from the river. Unregulated flow at Heise would have been about 33,700 cfs.

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

<u>Year</u>	<u>Jackson Lake</u>	<u>Palisades</u>	<u>American Falls</u>	<u>Lake Walcott</u>	<u>Henrys Lake</u>	<u>Island Park</u>	<u>Grassy Lake</u>	<u>Total</u>
1961	3.3	294	101	57.2	38.8	13.6	5.6	513.5
1962	525.4	770	265	92.5	67.5	65.0	11.3	1,796.7
1963	611.9	696	353	87.0	64.1	33.5	6.3	1,851.8
1964	588.4	849	475	89.8	62.8	68.7	10.4	2,144.1
1965	631.6	1,161	1,023	95.3	70.4	102.8	11.3	3,095.4
1966	516.8	271	9	49.7	56.3	5.5	6.6	914.9
1967	558.8	828	494	95.8	75.6	80.8	9.6	2,142.6
1968	585.5	1,094	751	94.0	77.8	90.2	9.2	2,701.7
1969	569.7	648	239	92.3	72.6	52.1	7.0	1,680.7
1970	573.9	918	811	93.8	73.7	72.2	11.4	2,553
Av.	516.5	753	453	84.7	66.0	58.4	8.9	1,939.4

Palisades figures are after deducting 201,000 acre-feet dead storage. The useable capacity of the above reservoirs is 4,082,000 acre-feet. The 1970 holdover is the third highest of average for the past ten years.

CHANGES IN POINT OF DIVERSION

None

LITIGATION

None

CANAL DELIVERIES

Daily diversions from Snake River by canals above American Falls reservoir during the 1970 irrigation season are shown on Plates 6-10, 16-20, 52, 53. Daily diversions for canals below American Falls are shown on Plates 57-69. Miscellaneous measurements of various canals and streams in the headwater areas are shown on Plate 24.

Total canal diversions during 1970 irrigation season by all canals in the district, including headwater areas, as tabulated in the annual watermaster bill, amounted to 7,814,700 acre-feet. This

is 92% of 1969, and the lowest since 1965.

Diversions during 1970 irrigation season by Snake River
Canals (downstream order from Heise)

(May thru September for upper valley canals; April 15 to Sept. 30
for lower valley canals)

Canal	Diversions (acre-feet)	Acres Irrigated	Acre-feet per acre
Riley	6,504	900	7.2
Progressive Irr. Dist.	230,080 (a)	33,000	7.0
Farmers Friend	97,950	10,500	9.3
Enterprise Canal	45,420 (b)	5,200	8.7
Nelson	426	55	7.7
Mattson Craig & Arnsberger	2,888	485	6.0
Ross & Rand	791	145	5.5
Butler Island	10,010	1,100	9.1
Steele	1,894	220	8.6
Harrison	141,640	13,000	10.9
Cheney	1,220	103	11.9
Rudy Irr. Co.	61,090	5,000	12.2
Kite & Nord	1,650	210	7.9
Burgess	273,440	22,000	12.4
Clark & Edwards	22,300	1,940	11.5
Lowder	12,960	1,000	13.0
East Labelle	33,820	3,000	11.3
Sunnydell	42,590	3,780	11.3
Lenroot	27,790	3,100	9.0
Reid	48,520	5,500	8.8
Texas Feeder	70,450	10,000	7.0
Nelson Corey	2,190	270	8.1
Hill Pettinger	647	200	3.2
Rigby	45,520	4,000	11.4
Dilts	7,884	580	13.6
Island	53,490	5,500	9.7
W. Labelle & Long Island	140,950	10,500	13.4
Parks & Lewisville	92,700	7,000	13.2
North Rigby	14,800	1,400	10.6
White	1,089	110	9.9
Ellis	722	70	10.3
Bramwell	793	470	1.7
Butte & Market Lake	77,750	20,000	3.9
Osgood	13,180	6,210 (c)	2.1
Bear Island & Smith	1,263	330	3.8
Idaho	243,760 (a)	35,850	6.8
Kennedy	9,270	2,700	3.4
Great Western & Porter	214,070	30,220 (d)	7.1
Woodville	26,630	2,350	11.3
SNAKE RIVER VALLEY	181,950	20,790	8.8

Diversions by Snake River canals, 1970 - continued

Canals	Diversions (acre-feet)	Acres Irrigated	Acre-feet per acre
Reservation	69,640 (e)	54,773	1.3
Blackfoot	84,810	15,000	5.7
New Lava Side	35,810	6,000	6.0
Peoples	123,230	20,000	6.2
Aberdeen	334,960	63,000	5.3
Corbett	46,530	6,000	7.8
Nielsen-Hansen	2,610	460	5.7
Riverside	33,280 (i)	5,000	6.7
Danskin	54,550	6,000	9.1
Trego	17,340	1,620	10.7
Wearyrick	17,320	1,600	10.8
Watson	33,350	3,000	11.1
Parsons	14,290	930	15.3
Fort Hall Michaud Canal	31,370 (f)	8,693 (f)	3.6
Falls Irrig. Dist.	20,970 (g)	7,995 (g)	2.6
Minidoka Irrig. Dist.	486,570	72,000	6.8
Burley Irr. Dist.	256,580	48,000	5.4
A&B Irrigation Dist.	46,400	14,520	3.2
Twin Falls Canal Co.	1,046,500	202,700	5.2
North Side Canal Co.	1,069,050	160,000	6.7
Milner Low Lift	57,090	13,470 (h)	4.2
Gooding	458,680	63,700	7.2
Total	6,603,021	1,042,759	6.3

- (a) Received additional water from Willow and Sand Creeks.
- (b) Used additional water from Willow Creek early in season.
- (c) Water pumped from wells for about 600 acres of this land.
- (d) Includes 7,680 acres outside New Sweden District to which water was delivered.
- (e) Received additional water from Sand Creek & Blackfoot River.
- (f) An additional 1,540 acre-feet was pumped from wells for irrigation of another 1,338 acres.
- (g) Acreage includes 235 acres of non-project land supplied from canal. An additional 209 acres supplied from wells by private users and 3,597 acres of project land were irrigated by pumping 6,010 acre-feet from wells.
- (h) Also delivered water to 645 acres outside the district.
- (i) During the period July 7 to Sept. 30, 1,800 acre-feet estimated to be wasted back to river at end of canal.

These main river canals diverted about 7.1 less water than in 1969.

Total diversions in 1969 were the highest of record.

Of the 3,421,000 acre-feet diverted by lower valley canals (below Neeley), 1,167,100 acre-feet or 34% was stored water. Upper valley main

canals diverted 3,182,000 acre-feet, of which 353,000 acre-feet or 11% was stored water.

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

Diversions in Thousands of Acre-feet
Heise to Blackfoot

<u>Year</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
1961	584	746	711	521	292	2,854
1962	530	749	837	703	557	3,376
1963	303	553	907	668	476	2,907
1964	277	560	869	717	556	2,979
1965	389	721	806	661	468	3,045
1966	623	783	810	642	485	3,343
1967	384	620	822	742	640	3,208
1968	541	720	871	534	492	3,158
1969	649	679	838	741	547	3,454
1970	287	780	840	760	475	3,142
Average	457	691	831	669	499	3,147

Henrys Fork and Tributaries
(excluding headwater areas)

<u>Year</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
1961	170	247	174	138	75	804
1962	235	261	221	196	140	1,053
1963	174	207	250	189	115	935
1964	163	212	256	203	144	978
1965	188	249	248	197	124	1,006
1966	225	240	215	169	117	966
1967	190	243	234	204	149	1,020
1968	207	217	246	154	124	948
1969	238	223	248	194	135	1,038
1970	146	259	248	215	109	977
Average	194	236	234	186	123	972

Does not include Cross Cut Canal spill into Teton River.

Minidoka Project

<u>Year</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
1961	21	169	156	175	134	28	683
1962	30	122	140	189	163	111	755
1963	18	116	114	191	160	89	688
1964	5	133	97	200	178	112	725
1965	27	136	158	187	139	111	758
1966	76	172	150	191	155	86	830
1967	27	124	124	201	176	115	767
1968	45	169	146	199	101	97	757
1969	63	192	138	197	179	95	864
1970	36	124	135	192	175	83	745
Average	31	146	136	192	156	93	757

North Side Canal Co. Project

<u>Year</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
1961	84	185	147	196	159	60	831
1962	70	190	202	247	236	191	1,136
1963	71	183	193	246	230	168	1,091
1964	42	186	201	247	244	192	1,112
1965	86	195	209	237	224	166	1,117
1966	109	217	212	243	229	172	1,182
1967	104	198	202	254	242	202	1,202
1968	98	200	208	249	202	163	1,120
1969	89	214	212	236	237	172	1,160
1970	71	183	202	234	231	153	1,074
Average	82	195	199	239	223	164	1,102

Twin Falls Project

<u>Year</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
1961	108	194	190	228	204	110	1,034
1962	98	196	191	232	223	181	1,121
1963	76	193	186	238	220	162	1,075
1964	41	197	185	239	233	178	1,073
1965	98	209	203	232	219	159	1,120
1966	140	220	190	226	219	164	1,159
1967	101	202	191	237	234	186	1,150
1968	106	220	204	239	193	157	1,112
1969	125	225	197	227	228	157	1,158
1970	80	194	194	228	231	144	1,071
Average	97	205	193	233	220	160	1,107

Gooding Project

<u>Year</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
1961	16	82	77	84	79	18	356
1962	22	83	87	102	99	85	478
1963	15	75	82	101	94	81	448
1964	2	76	90	102	97	79	446
1965	16	75	82	95	85	71	424
1966	27	88	88	94	82	67	446
1967	21	84	85	102	98	80	470
1968	30	91	94	100	84	74	473
1969	16	77	73	95	95	76	432
1970	17	85	89	97	93	77	458
Average	18	82	85	97	91	71	443

Diversions were generally about average.

Ground water, both east and west of Rigby and in Ririe area, reached high levels during the summer.

RIVER DATA

The usual methods of segregating stored water and normal flow at the reservoir outlets was continued in use during 1970. Palisades reservoir was operated on the same basis as Jackson Lake, namely, convert the daily drop in Lake level to second-feet and call it storage released from Palisades. For some time after storage draft started a lag of several days was maintained in making normal flow cuts to avoid any possible natural flow losses at the high lake levels existing at Palisades and Jackson Lake. Later on in the season when dropping lake and river levels resulted in bank storage return, this water was gradually recovered for credit as stored water so that it balanced out by the end of the irrigation season.

Daily figures showing segregation of flow at the various river gaging stations and storage diversions by canals are shown on Plates 12, and 13 for Snake River and Plate 21 & 21A for Henrys Fork.

Storage use started on July 5 and continued through October 9.

Total storage passing the Blackfoot station during the season amounted to 207,600 acre-feet.

Blackfoot River Reservoir holdover on September 30 was 238,000 acre-feet. The Indian Service 1891 decree was not cut off in 1970.

A number of canals were bothered with moss growth during the 1970 season. The Aberdeen Canal reported an overall loss of 39.2% compared to 37.9% in 1969.

STORED WATER DELIVERIES

Reservoir Allotments

All reservoirs filled 100% and allotments were made as follows:

American Falls	1,700,000 acre-feet
Jackson Lake	847,000 acre-feet
Palisades	1,200,000 acre-feet

1970 Storage Allotments in Acre-feet
(Downstream order from Heise)

<u>Canal</u>	<u>American Falls</u>	<u>Jackson Lake</u>	<u>Palisades</u>	<u>Total</u>
Poplar Irrigation Dist.	673	1,589	1,500	3,812
Progressive Irr. Dist.	12,485	7,209	28,500	48,194
Farmers Friend		2,000	9,400	11,400
Enterprise Canal Co.	8,923	11,252	19,600	39,775
Mattson Craig			1,440	1,440
Butler Island			250	250
Harrison	12,025	11,943	23,500	47,468
Rudy	2,649	3,530	15,700	21,879
Burgess	9,496	10,603	31,400	51,499
Clark & Edwards			800	800
Lowder		1,040	1,600	2,640
East Labelle			800	800
Sunnydell		4,000	6,300	10,300
Lenroot	3,868	5,234	7,850	16,952
Reid	2,549	1,472	3,150	7,171
Texas and Liberty Park			4,700	4,700
Enterprise Irr. Dist. (N.F.)	10,188	5,883		16,071
Fremont-Madison Irr. Dist.			1,000	1,000
Rigby			6,300	6,300
Island			4,700	4,700
Dilts	886	511	1,200	2,597
West Labelle			1,000	1,000
Long Island			5,000	5,000
Parks & Lewisville			5,500	5,500
North Rigby			1,200	1,200
Butte & Market Lake	4,666	2,695	44,000	51,361
Osgood (U.I.S.Co.)	13,459	7,771	15,250	36,480
Bear Island	191	110		301
Sakaguchi (Smith & Kennedy)	71	91		162
Clement Bros (Kennedy)	0	105	0	105
Owners Mutual	0	200	290	490
Shattuck Irrigation	0	0	3,900	3,900
Idaho	22,911	13,230	58,800	94,941
Martin	2,006	2,659	5,600	10,265

Storage allotments - continued

<u>Canal</u>	<u>American Falls</u>	<u>Jackson Lake</u>	<u>Palisades</u>	<u>Total</u>
New Sweden Irr. Dist.	25,731	19,857	31,400	76,988
West Side Mutual			2,350	2,350
Woodville	6,047	3,491	6,000	15,538
Snake River Valley	26,367	30,225	35,300	91,892
Palisades Water Users			50,230	50,230
Blackfoot	12,763	7,370	4,050	24,183
New Lava Side			11,750	11,750
Peoples	21,415	20,365	35,000	76,780
Aberdeen	55,591	74,626	152,800	283,017
Corbett	3,396	1,961	6,300	11,657
Riverside			1,500	1,500
Danskin			2,350	2,350
Trego	1,314	758	3,200	5,272
Wearyrick			600	600
Watson			2,350	2,350
Parsons			700	700
Total above Blackfoot	259,670	251,780	656,160	1,167,610
Michaud (Indian Service)	47,700		83,900	131,600
Falls Irrig. Dist.	23,300		40,900	64,200
Minidoka Irrig. Dist.	83,563	186,030	35,000	304,593
Burley Irrig. Dist.	157,942		39,200	197,142
Minidoka N. S. Pump	47,593		90,800	138,393
Milner Low Lift	45,687		44,500	90,187
Twin Falls Canal Co.	151,185	97,183		248,368
Hillsdale	41,146			41,146
North Side Canal Co.	397,214	312,007	116,600	825,821
Gooding	400,000		1,000	401,000
Idaho Power Co.	45,000			45,000
City of Pocatello			50,000	50,000
Westvaco			5,000	5,000
J. R. Simplot			2,500	2,500
U.S.			*34,440	34,440
Total below Blackfoot	1,440,330	595,220	543,840	2,579,390
Grand Total	1,700,000	847,000	1,200,000	3,747,000

* Wyoming 33,000 a.f.; other 1,430 a.f.

The storage rental committee, consisting of the U.S.B.R. Office of the Regional Supervisor of Irrigation, Leonard Graham, and Art Larson supervised water rentals.

The large holdovers at the end of the season indicate that much water will be spilled prior to the 1971 irrigation season. For this reason, no computations were made of individual holdovers.

Summary of Water District No. 36 Rentals - 1970

<u>Supply</u>		<u>Use</u>	
Halls Irrig. Dist.	2,972	Swan Valley	45
Paul Traughber	240	Heise to Shelley	4,752
Wance Koon	500	Milner Low Lift	1,320
M. J. Danielsen	120	Other	<u>780</u>
Mrs. Ward Hittson	640		6,897
Ray Andrus	350		
U.S. Indian Service	850		
Neil Erickson	850		
Marsden Williams	<u>375</u>		
	6,897		

All rentals were at the rate of 50¢ per acre-foot.

The Fremont-Madison Irrigation District rented an additional 1,370 acre-feet to users in the Henrys Fork area.

Supply and Disposal of Stored Water, 1970
(acre-feet)

SUPPLY

Jackson Lake Contents	July 3	849,300
Palisades (usable)	3	1,203,000
American Falls	3	1,706,000
Lake Walcott	3	95,800
Henrys Lake	11	89,200
Island Park	12	135,600
Grassy Lake	15	15,100
Indian and Bergman Reservoir yield		948
Sheridan Creek right		1,450*
Gain Neeley to Milner		<u>127,930</u>
Total		4,224,328

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

DISPOSAL

Used by Snake River rights	1,513,700
Used by Henrys Fork rights	86,550
Storage transmission loss, Snake River	50,680
Storage transmission loss, Henrys Fork	2,305
Storage transmission loss, Cross Cut	3,112
River operation waste past Milner	8,000
American Falls loss	14,000
Henrys Lake loss	3,000

Supply and Disposal of stored water, 1970 - continued

Supply and Disposal of stored water, 1970 - continued

Disposal

Holdovers:	Jackson	Oct. 5	559,800
	Palisades	Oct. 6	924,000
	American Falls	Oct. 9	795,500
	Lake Walcott	Oct. 9	94,700
	Henry's Lake	Sept. 9	74,100
	Island Park	Sept. 10	73,900
	Grassy Lake	Sept. 10	<u>11,300</u>
Total			4,214,647

There is a difference of 9,681 acre-feet with less water accounted for than that shown in the supply.

Michaud Project use of stored water

The annual reports since 1958 have contained a detailed analysis of the water used on the Michaud Project by the Falls Irrigation District. Tabulated below is a summary of this data for the past five years.

Area No. 1 (Tributary to American Falls)
(figures in acre-feet)

Year	<u>(from Wells)</u>			<u>(from Am. Falls Res.)</u>				Contr. to Gr. Water
	Acres	Pumped	Consumed	Acres	Del'd	Consumed	Excess	
1966	*2,984	6,072	5,370	**4,909	18,228	8,840	10,090	4,018
1967	*2,972	5,382	5,350	**4,915	15,841	8,490	7,351	2,001
1968	+2,968	4,441	5,350	‡5,105	14,355	9,200	5,155	-195
1969	+2,968	5,024	5,350	‡5,481	16,380	9,870	6,510	1,160
1970	+2,968	4,189	5,350	‡5,481	15,470	9,870	5,600	250

* Project land 2,774 † Project land 2,759
** Project land 4,455 ‡ Project land 4,564

Area No. 2 (Tributary below American Falls)

Year	<u>(From Wells)</u>			<u>(From Am. Falls Res.)</u>				Contr. to Gr. Water
	Acres	Pumped	Consumed	Acres	Del'd	Consumed	Excess	
1966	884	3,064	1,600	*1,794	6,292	3,230	4,526	1,462
1967	884	1,870	1,600	*1,806	5,903	3,250	2,653	1,053
1968	778	2,124	1,400	+2,106	5,973	3,790	2,183	783
1969	838	2,463	1,510	+2,514	7,586	4,525	3,061	1,464
1970	838	1,821	1,510	+2,514	7,422	4,525	2,897	1,387

*Project land 1,613 † Project land 1,623

The above data is computed assuming a consumptive use of 1.8 acre feet per acre. Deliveries to East Branch Canal are reduced by 4% for estimated canal loss in the 1½ miles which is non-tributary to American Falls Reservoir. No account is taken of this 4% loss in the contribution to ground water in Area 2.

In the tabulations in this report the Falls Irrigation District was charged only with the water pumped from American Falls Reservoir.

GROUND WATER PUMPING

An additional credit to American Falls reservoir is water now pumped from wells by the City of Pocatello, Westvaco Company, J. R. Simplot, and Fort Hall Michaud Project. Palisades contracts for Westvaco and Simplot provide that storage charges be made on one-half of water pumped. The City of Pocatello (including Alameda) is permitted to pump 10,000 acre-feet each season before there is any charge. In the case of the Fort Hall Michaud Project 22,400 acre-feet of pumping from wells is permitted before there is a charge against their reservoir storage. Records for previous years have shown the above diversions have been quite uniform with a total of about 10,000 acre-feet. No records requested for this report.

RIVER LOSSES AND GAINS

Gains and losses between river stations for the months May through September (using time intervals shown on Plate 15) are shown in the following tabulations:

Gain in Snake River, Moran to Alpine gaging station, 1970
(Alpine dates and 24-hr cfs, except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Total</u>
Moran	73,840	126,950	97,640	82,180	79,730	460,340
Snake nr Alpine	262,870	477,500	266,450	150,480	135,110	1,292,410
Total gain cfs	189,030	350,550	168,810	68,300	55,380	832,070
Mean gain cfs	6,100	11,680	5,450	2,200	1,850	5,370
Total gain a.f.	374,900	695,300	334,800	135,500	109,800	1,650,300

The mean gain is greater than in 1968 or 1969, with the bulk of the run-off in June and July reflecting the cold weather in May with the resultant delayed run-off.

Gain in Snake River, Alpine gaging station to State Line, 1970
(24-hr cfs, except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Total</u>
Greys River	59,580	84,750	32,380	16,170	12,880	205,760
Salt River	50,430	42,960	26,750	20,240	21,720	162,100
Total gain cfs	110,010	127,710	59,130	36,410	34,600	367,860
Mean gain cfs	3,549	4,257	1,907	1,175	1,153	2,404
Total gain a.f.	218,300	253,300	117,300	72,260	68,600	729,760

All monthly gains are greater than in 1969.

Gain in Snake River, State Line to Heise, 1970
(No correction for time of flow. 24 hr cfs except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Total</u>
Palisades release	+1,010	-164,370	+41,340	+107,400	-10,080	-247,000
Total supply *	373,890	440,840	366,920	294,290	159,630	1,635,570
Heise	453,000	533,300	418,200	330,050	185,430	1,388,570
Riley	230	850	1,040	900	260	3,280
Total acct for	453,230	534,150	419,240	330,950	185,690	1,923,260
Total gain cfs	79,340	93,310	52,320	36,660	26,060	287,690
Mean gain cfs	2,560	3,110	1,690	1,220	870	1,880
Total gain a.f.	157,370	185,080	103,780	72,720	51,690	570,630

* Sum of Snake River near Alpine, Greys and Salt River plus Palisades release.

The gain for each month is the greatest since 1965.

Gain in Snake River, Heise to Shelley, 1970
(Heise dates and 24-hr cfs, except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Total</u>
Rexburg	153,930	212,510	79,750	46,680	67,400	560,270
Total supply **	607,160	746,660	498,990	377,630	253,090	2,483,530
Diversions	90,080	286,890	309,290	282,260	177,630	1,146,150
Shelley	497,300	492,800	279,190	141,220	134,610	1,545,120
Total acct'd for	587,380	779,690	588,480	423,488	312,240	2,691,270
Total gain cfs	-19,780	33,030	89,490	45,850	59,150	207,740
Mean gain cfs	- 640	1,100	2,890	1,480	1,970	1,358
Total gain a.f.	-39,230	65,520	177,500	90,940	117,320	412,050

** Rexburg plus Heise and Riley from previous table

The mean gain was 1,358 cfs compared to 1,453 in 1969. The indicated loss in May is not unusual. This gain includes inflow from Market Lake Springs which is credited to Owners Mutual Canal Co.

Gain or loss in Snake River, Shelley to Blackfoot, 1970
(Shelley dates and 24-hr cfs, except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Total</u>
Shelley	507,400	495,100	261,120	141,320	133,830	1,538,770
Blackfoot River	25,270	9,730	4,700	3,960	8,640	52,300
Total Supply	532,670	504,830	265,820	145,280	142,470	1,591,070
Diversions	54,390	106,190	114,130	101,030	61,730	437,470
Snake nr Blackft.	463,240	404,490	182,250	54,480	92,720	1,197,180
Total acc't for	517,630	510,680	296,380	155,510	154,450	1,634,650
Total diff. cfs	-15,040	5,850	30,560	10,230	11,980	43,580
Mean diff. cfs	- 485	195	986	330	400	285
Total diff. a.f.	-29,830	11,600	60,620	20,290	23,760	86,440

A gain is shown for every month. The average gain was 285 cfs identical to 1969, and compared to 445 in 1968. This gain includes 180 cfs inflow above the Blackfoot gage.

Gain or loss in Snake River, Blackfoot to Neeley, 1970
(Neeley dates and 24 hr. cfs, except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Total</u>
Blackfoot	472,380	405,090	164,217	55,598	93,215	1,190,500
*Inflow	103,228	89,076	79,107	81,152	89,144	441,707
Reserv. Draft	2,020	- 1,010	171,900	235,800	48,150	456,860
Total Supply	577,628	493,156	415,224	372,550	230,509	2,089,067
Diversions	669	2,313	3,469	2,440	1,680	10,571
Neeley	537,300	480,700	417,400	368,900	217,490	2,021,790
Total use	537,969	483,013	420,869	371,340	219,170	2,032,361
Total diff. cfs	-39,659	-10,143	+ 5,645	- 1,210	-11,339	- 56,706
Mean diff. cfs	- 1,279	- 338	+ 182	- 39	- 378	- 371
Total diff. a.f.	-78,660	-20,120	+ 11,200	- 2,400	-22,490	-112,480

The average loss of 371 cfs is higher than it has been for a number of years, influenced largely by the unusually large loss in May, and can probably be accounted for by the extensive time that American Falls Reservoir remained at maximum levels. The average loss for June thru September is 111 cfs. A loss of 14,000 acre-feet was used in computing the disposal of stored water.

* A tabulation of inflow data is shown on Plate 11. nine sets of measurements were obtained during the period and figures interpolated between measurements. Portneuf River inflow was depleted by pumping for Indian Service Michaud Canal. Amount pumped each day is shown at bottom of Plate 11. Monthly totals in above table are actual inflow. Inflow figures shown on Plates 12 and 13 are theoretical inflow computed by adding pump diversion figures to actual inflow. These are shown on last line of Plate 11. The above computations fulfill requirements of Section 8 (b) of Fort Hall Michaud Division - Palisades contract. Daily figures of waste from the Aberdeen Project were furnished by Mr. Jake Isaak, Manager. Unmeasured inflow as computed from the "Newell" formula varied from 1,260 to 1,370 cfs.

The following measurements of the flow of Ruegar Springs were obtained:

<u>Date</u>	<u>Discharge in cfs</u>
May 29, 1970	20.4
June 26	21.0
July 31	21.7
Sept. 4	20.5

Gain or Loss in Snake River, Neeley to Minidoka, 1970
(Minidoka dates and 24-hr cfs. except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Total</u>
Neeley	535,000	480,400	420,100	369,100	219,400	2,024,000
Walcott release	- 2,120	0	+ 910	- 200	+ 1,810	- + 400
Total Supply	532,880	480,400	421,010	368,900	221,210	2,024,400
No. Minidoka	37,930	38,780	54,500	48,200	22,700	202,100
So. Minidoka	24,510	29,440	42,530	40,160	19,140	155,780
Minidoka	483,000	394,300	321,070	277,790	185,640	1,661,800
Total acct'd for	545,440	462,520	418,100	366,150	227,480	2,019,690
Total diff. cfs	12,560	-17,880	- 2,910	- 2,750	6,270	- 4,710
Mean diff. cfs	405	- 596	94	89	209	- 31
Total diff. a.f.	24,910	-35,460	- 5,770	- 5,450	12,440	- 9,340

The average loss of 31 cfs compares to a loss of 225 cfs in 1969 and 119 cfs in 1968.

Gain in Snake River, Minidoka to Milner, 1970
(Milner dates and 24-hr cfs, except as noted)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Total</u>
Minidoka	480,250	395,200	324,270	277,860	187,900	1,665,480
Min. N.S.Pump	2,174	4,587	7,224	6,589	2,413	22,987
P. A. Lateral	1,510	1,779	2,151	2,071	1,564	9,075
Milner Low Lift	4,894	4,890	7,393	7,320	4,002	28,499
North Side	67,440	77,230	90,050	84,880	47,747	367,347
Gooding	68,260	69,870	77,010	78,810	68,080	362,030
Twin Falls	97,770	97,770	115,180	116,330	72,620	499,670
Lake Milner stored	1,220	91	247	166	-2,110	- 386
Milner	256,830	159,213	38,623	1,763	9,205	465,634
Total acct'd for	500,098	415,430	337,878	279,929	203,521	1,754,856
Total gain cfs	19,848	20,230	13,608	20,069	15,621	89,376
Mean gain cfs	640	674	439	647	521	584
Total gain a.f.	39,370	40,130	26,990	39,810	30,980	177,280

The average gain of 584 cfs compared with 513 in 1969 and 502 in 1968.

The total gain from Neeley to Milner for period May through September was 167,940 acre-feet. For the period July 3 through October 9, this gain was about 128,000 acre-feet and was credited to the Minidoka Project.

DISTRIBUTION ON HENRYS FORK

Mr. L. C. Anderson served as Deputy Watermaster at St. Anthony in charge of water distribution on Henrys Fork, Falls River and lower Teton River, and Val L. Richards on Teton River.

Holdovers in Henrys Fork reservoirs at the end of the season were about 66% of capacity.

Releases from Henrys Lake were discontinued on September 19. Those from Grassy Lake were cut off on August 28, and from Island Park Reservoir on September 17.

The usual methods described in previous reports of segregating stored water and normal flow at the outlets of Henrys Lake and Island Park reservoirs were continued in 1970. During the period July 21-30, stored water was charged a daily loss of 30 cfs. During period August 10-19, stored releases were credited with a like amount. This adjustment has been used in past years and presumably corrects the observed normal flow to pre-reservoir conditions. When Island Park Reservoir is full there is a loss to ground water which is later recovered when the reservoir level drops. By making the above adjustment, normal flow is more nearly distributed to the rights that would be in effect if Island Park reservoir were not in the river system.

1970 REGULATION SCHEDULE

With the exception of a few days the Henrys Fork and Falls River remained on the same regulation schedule as the main Snake River. For most of the season the Teton River was cut to earlier priorities than the main river.

TETON RIVER REGULATION SCHEDULE, 1970

July 25 Filled 55% April 1, 1898 priorities
July 27 Filled April 1, 1898 priorities
July 31 Filled July 9, 1896 priorities
Aug. 5 Filled June 1, 1892 priorities
Aug. 29 Filled 50% Feb. 6, 1895 priorities
Sept. 10 Filled Mar. 26, 1903 priorities

Figures showing the operation of the Cross Cut Canal in 1970 are shown on Plate 23A. It delivered 21,000 acre-feet to the Fall River Canal and 22,187 acre-feet to Teton River. The percentage loss for the season was 17.3%.

Mr. C. M. Bennett made one trip to the Island Park area during the season to inspect and measure. The following miscellaneous measurements were made while regulating water in this area:

August 4, 1970

Hotel Creek at highway 22	21 cfs
Sheep Creek at highway 22	6 cfs
Icehouse Creek at highway 22	14 cfs
Willow Creek at highway 22	1 cfs
Sheridan Creek at highway 22 - Gage 1.18	14.4 cfs
Sheridan Creek at highway Clark A2	38.5 cfs
Icehouse Creek at highway Clark A2	13 cfs
Grubb Diversion at highway Clark A2	2 cfs
Targhee Creek at highway	16 cfs
Targhee Creek into Lake	3 cfs
Duck Creek at highway - Gage 1.28	10 cfs
Moedl diversion from Rock Creek	3 cfs

Occasional measurements of Big Springs near Island Park were tabulated on page 33 of the 1965 report. Recent measurements are tabulated below:

September 14, 1964	184
August 5, 1965	202
November 8, 1965	194
September 15, 1967	183
September 5, 1968	182
November 4, 1969	190
September 28, 1970	178

CANAL DELIVERIES IN HENRYS FORK BASIN

Diversions during the 1970 irrigation season, May
to September, from Falls River, Henrys Fork and Lower Teton River

	Diversions (acre-feet)	Area Irrigated (acres)	Acre-feet per acre
<u>Falls River Canals</u>			
Yellowstone	1,990	2,100	0.9
Marysville	31,880	15,000	2.1
Farmers Own	13,800	4,800	2.9
Almy	83	130	0.6
Enterprise	23,890	5,890	4.0
Bell	1,090	110	9.9
Fall River	89,850 (a)	9,000	10.0
McBee	167	125	1.3
Chester	16,870	1,400	12.0
Silkey	3,970	1,080	3.7
Curr	11,040	1,300	8.5
Total Falls River	194,630	40,485	4.8

(a) Includes 20,980 diverted through Cross Cut.

Henrys Fork canals

Dewey	5,800	1,200	4.8
Last Chance	25,230	1,860	13.6
St. Anthony Union	123,900	9,700	12.8
Farmers Friend	28,340	3,025	9.4
Twin Groves	29,110	2,500	11.6
Salem Union	54,826	5,500	10.0
Egin	79,950	7,000	11.4
St. Anthony U. Feeder	14,500	2,300	6.3
Independent	73,920	6,000	12.3
Consolidated Farmers	60,910	6,000	10.2
Total Henrys Fork	496,486	45,085	11.0

Lower Teton Canals

Siddoway	2,440	500	4.9
Wilford	33,630	2,300	14.6
Teton Irrigation	24,220	2,000	12.1
Good Luck	3,320	330	10.1
Pioneer	2,870	300	9.6
Stewart	5,270	478	11.0
Pincock-Byington	2,570	260	9.8
Pincock-Garner	4,460	480	9.3
Teton Island Feeder	96,920	10,400	9.3
Roxana	2,380	880	2.7
Island Ward	5,860	3,300	1.8
North Salem	1,060 (b)	450	2.4
Bigler Slough	2,717	160	17.0
Woodmansee-Johnson	5,550 (c)	1,320	4.2

Diversions during 1970 irrigation season

Canal	Diversions (acre-feet)	Area Irrigated (acres)	Acre-feet per acre
<u>Lower Teton Canals - continued</u>			
City of Rexburg	4,610	950	4.8
Rexburg Irrigation	57,371	5,280	10.9
McCormick-Rowe	1,390	160	8.7
Saurey Sommers	4,540	275	16.5
Gardner	97	200	0.5
Eames Thompson	206	70	2.9
Total Lower Teton	261,481	30,093	8.7
Total Falls River, Henrys Fork and Lower Teton	952,597	116,113	8.2

- (b) Used additional water from Henrys Fork thru Salem Union.
(c) Used additional water from Moody Creek and Teton Irrigation.

The diversions in this area were 5% less than in 1969.

Of the total diversions of 952,597 acre-feet, 75,808 acre-feet or 8.0% was stored water.

Diversions by some of the principal canals in the headwater areas for the 1970 irrigation season (May 15 to Sept. 30) are shown below:

Canal	Diversions (acre-feet)	Area Irrigated (acres)	Acre-feet per acre
String Canal	16,400	2,300	7.1
Trail Creek Irr. Co.	41,600	5,220	8.0
Fox Creek Canals	9,350	3,760	2.5
Darby Creek Canals	17,000	4,800	3.5
Grand Teton Canal	32,000	7,000	4.6
Canyon Creek Canal	4,990	2,200	2.3
Conant Creek Canal	2,650	1,040	2.5
Squirrel Creek Canal	831	1,000	0.8
Boom Creek Canal	672	2,180	3.1

Diversions were greater than in 1969.

STORED WATER DELIVERIES ON HENRYS FORK

Water available for Fremont-Madison allotments was as follows:

Island Park Reservoir	(July 12)	135,600 a.f.
Grassy Lake Reservoir	(July 15)	15,100
Sheridan Creek right		<u>1,450</u>
Total		152,150

The District allotted 132,939 acre-feet for the 1970 season. In addition, 1,370 acre-feet was rented to Henrys Fork users.

Henrys Lake Allotments, 1970

Henrys Lake contents on July 11 was 89,200 acre-feet. From this, a figure of 3,000 acre-feet was deducted for dead storage and loss.

<u>Canal</u>	<u>Allotments</u> Percent	<u>Allotment</u> acre-feet
Independent	26.90	23,187
Salem Union	24.21	20,869
Consolidated Farmers	20.17	17,386
Last Chance	13.85	11,939
St. Anthony Union	6.72	5,793
Egin	6.72	5,793
Dewey	<u>1.43</u>	<u>1,233</u>
	100.00	86,200

Henrys Fork Storage Operations, 1970
(all figures in a.f.)

Henrys Lake

<u>Canal</u>	<u>Henrys Lake Storage Used</u>
Independent	4,876
Salem Union	0
Consolidated Farmers	0
Last Chance	5,732
St. Anthony Union	0
Egin	0
Dewey	<u>1,233</u>
Total Used	11,841

Storage released from Henrys Lake	12,250
Excess release over use	410
Henrys Fork near Rexburg storage release for 1970	-9,797
Credit from other reservoirs:	
Enterprise use	5,883
Other individuals (Bergman Indian L.)	948
Fremont-Madison, Palisades allotment	1,000
Palisades waterusers use	550
	8,381
Henrys Fork owes main river	1,416

No allowances made for river losses in above tables. At the end of September, Fremont-Madison District owed the main river 1,416 acre-feet of storage. This water was being released from Island Park Reservoir in December 1970. As soon as 1,416 acre-feet has been released, the above deficit will be cancelled. Water was also being spilled from American Falls Reservoir in excess of Minidoka Power rights in December. This tends to cancel any deficit operation on any part of the river system.

RIVER GAINS IN HENRY'S FORK BASIN, 1970

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

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

Gain in Henrys Fork, Lake to Island Park, 1970
(Island Park dates and 24 hr cfs, except as noted)

Station	May	June	July	Aug.	Sept.	Total
Lake	3,175	5,832	4,429	5,660	2,707	263,300
I. P. release	-3,130	+1,410	9,630	20,470	2,670	31,050
Total Supply	45	7,242	14,059	26,130	5,377	52,853
Island Park	36,437	46,660	33,652	43,310	25,528	185,587
Total gain cfs	36,392	39,418	19,593	17,180	20,151	132,734
Mean gain cfs	1,174	1,272	632	554	672	868
Total gain a.f.	72,180	78,190	38,860	34,080	39,970	263,300

The average gain is 868 cfs compared to 894 in 1969 and 784 in 1965.

Gain in Henrys Fork, Island Park to Ashton, 1970
(Ashton dates and 24-hr cfs, except as noted)

Station	May	June	July	Aug.	Sept.	Total
Island Park	35,650	47,010	33,460	43,400	26,000	185,520
Ashton	97,210	94,460	66,710	74,700	55,220	388,300
Total gain cfs	61,560	47,450	33,250	31,300	29,220	202,780
Mean gain cfs	1,986	1,582	1,073	1,010	974	1,325
Total gain a.f.	122,100	94,120	65,950	62,080	57,960	402,200

The gains in June and July are higher than usual reflecting the high snow pack and late runoff. The mean gain is 1,325 cfs compared to 1,197 in 1969 and 1,222 in 1965.

Gain in Henrys Fork, Ashton to St. Anthony, 1970
(St. Anthony dates and 24-hr cfs, except as noted)

Station	May	June	July	Aug.	Sept.	Total
Ashton	96,760	94,730	66,700	74,680	55,420	388,290
Chester	61,133	101,250	21,146	4,794	11,709	200,032
Total Supply	157,893	195,980	87,846	79,474	67,129	588,322
Diversions	27,278	41,481	37,814	36,189	16,095	158,857
St. Anthony	135,930	153,900	52,920	44,910	50,900	438,560
Total acc't for	163,208	195,381	90,734	81,099	66,995	597,417
Total gain cfs	5,315	- 599	2,888	1,625	- 134	9,095
Mean gain cfs	171	- 20	93	52	- 4	59
Total gain a.f.	10,540	-1,190	5,730	3,220	266	18,040

The average gain of 59 cfs compared to 118 in 1969 and 95 in 1965.

The indicated losses in June and September may result from the poor record of discharge at Ashton during periods of heavy moss growth.

Gain in Falls River, Squirrel to Chester, 1970
(Chester dates and 24-hr cfs, except as noted)

Station	May	June	July	Aug.	Sept.	Total
Squirrel	52,920	103,410	36,840	19,050	17,500	229,720
Diversions	6,652	17,445	20,144	16,925	9,385	70,551
Chester	61,133	101,250	21,146	4,794	11,709	200,032
Total acc't for	67,785	118,695	41,290	21,719	21,094	270,583
Total gain cfs	14,865	15,285	4,450	2,669	3,594	40,863
Mean gain cfs	480	510	144	86	120	267
Total gain a.f.	29,480	30,320	8,830	5,290	7,130	81,050

The average gain was 267 cfs compared to 151 in 1969 and 212 in 1965.

Gain in Henrys Fork and Teton River, St. Anthony to Rexburg, 1970
(St. Anthony dates and 24-hr cfs, except as noted)

Station	May	June	July	Aug.	Sept.	Total
Teton River	51,032	94,920	55,180	28,549	22,662	252,343
H.F. at St. Anthony	135,930	153,900	52,920	44,910	50,900	438,560
Total Supply	186,962	248,820	108,100	73,459	73,562	690,903
H.Fk. diversions	25,599	28,927	25,064	23,488	12,514	115,592
Teton diversions	14,023	40,558	35,507	25,745	14,714	130,547
H.F. nr Rexburg	150,150	213,510	82,660	46,460	67,270	560,050
Total acc't for	189,772	282,995	143,231	95,693	94,498	806,189
Total gain cfs	2,810	34,175	35,131	22,234	20,936	115,286
Mean gain cfs	91	1,139	1,133	717	698	754
Total gain a.f.	5,570	67,790	69,690	44,100	41,530	228,700

The total gain was almost the same as 1969, with May being lower. This gain is produced mostly from return flow from upstream irrigation. The 228,700 acre-feet is 24.1% of the 952,597 acre-feet diverted by canals above Rexburg. This percentage was 21.6 in 1969, 22.9% in 1968 and 18½% in 1966 and 1967. Much additional return flow moves westward towards Mud Lake and there is further drain-off to the Henrys Fork during the non-irrigation season.

TETON BASIN

Mr. Arthur Wilson, with summer office at Driggs, continued as Deputy Watermaster in Teton Basin during 1970.

The water content of snow on April 1 on the Teton watershed was 121% of normal. April to September precipitation at Driggs was 11.41" compared to the normal of 8.08". The yearly runoff of Teton River near St. Anthony was 122% of the 37 year average.

Seasonal diversions for most canals in this area were about average.

Again, this year, canal diversions were started early and water spread to build up the groundwater table. This practice seems to result in a greater sustained flow of the Teton River later in the season. This early water spreading may result in undesirable high sub in the low areas along the river in some years.

The discharge of various streams and canals and storage used in Teton Basin through exchange for natural flow is shown on Plates 23 and 24. Again this year, water formerly diverted by South Fox Canal was diverted by a pipeline from the North Canal and is included in figures for North Canal above pipeline on Plate 24.

Water distribution on Teton Creek between Wyoming and Idaho users was on the basis of the 1940 Wyoming Federal Court decree. Stored water diversions by Teton Basin users, through exchange for natural flow belonging to prior downstream rights, was on the basis of diverting 1.625 times the amount of replacement storage delivered to lower Teton River at the St. Anthony gaging station, in accordance with an agreement reached by upper and lower users on Teton River in 1949.

Canals in Teton Basin used only part of their storage allotments. No water was rented from sources outside the Basin.

There has been an increase in the use of sprinklers in recent years in Teton Basin. Plans are in progress for the conversion of a large part of the String Canal system to sprinklers.

Mr. Seth Hansen of Tetonia served as special deputy on the Leigh and Spring Creeks on an hourly basis for time actually spent. Considerable time is required to keep the headgates on these creeks regulated and it is impossible for one man to look after the other streams in Teton Basin and still give the necessary attention to the streams in the vicinity of Tetonia. One-half of the cost of Mr. Hansen's services, amounting to \$546.70, was charged as a special item to the local users and a similar amount was charged as general District 36 expense. Ed Hansen assisted Seth Hansen in *distributing water on North Leigh Creek, with the users directly benefitted* assuming his full expense of \$200.00.

Mr. Wilson had to return at the end of August to his position as teacher in the Rexburg High School, but continued to look after water matters in the Basin during several weekends thereafter.

SWAN VALLEY

Howard Hatfield served as Deputy Watermaster and also as watermaster on several canals. The local users were charged \$5.00 a day or \$335.00 total, as a special charge and the balance of the cost of watermaster's services, amounting to \$469.00 was charged as general expense to District 36.

There was little demand for stored water by individuals not owning space in Palisades Reservoir. Swan Valley users rented 45 acre-feet from Water District 36 during 1969.

CLIMATOLOGICAL DATA

(Precipitation in inches for year ending September 30, 1970)

<u>Month</u>	<u>Alta</u>		<u>Moran</u>		<u>Jackson</u>		<u>Afton</u>		<u>Palisades</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.	.86	1.48	.94	1.45	1.44	1.11	2.20	1.53	1.05	1.16
Nov.	1.29	1.41	.76	1.88	.06	1.11	.25	1.52	.31	1.64
Dec.	1.69	1.51	3.03	2.36	1.31	1.54	1.55	1.59	1.95	2.52
Jan.	2.91	1.60	6.13	2.35	2.82	1.43	2.19	1.53	4.47	2.03
Feb.	.52	1.48	1.10	2.28	.31	1.32	.52	1.51	.56	1.77
Mar.	1.45	1.51	1.37	2.08	.34	1.20	.25	1.55	.97	1.54
Apr.	3.35	1.48	2.77	1.73	1.49	1.20	1.91	1.52	2.13	1.58
May	2.81	2.04	2.04	1.85	1.60	1.50	1.45	1.95	2.08	1.92
June	2.36	2.29	1.17	1.77	2.00	1.51	2.03	1.96	1.97	2.27
July	2.65	.94	1.09	.97	.80	.75	1.07	1.06	1.28	.88
Aug.	1.58	1.19	.77	1.30	.22	1.12	.24	1.05	.80	1.16
Sept.	3.33	1.28	2.44	1.28	1.49	1.04	2.35	1.16	2.48	1.41
Year	24.80	18.21	23.61	21.30	13.88	14.83	16.01	17.93	20.05	19.50

<u>Month</u>	<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.	.98	1.35	.46	.63	.56	.89	.52	.76	1.00	1.13
Nov.	1.00	1.56	.76	.62	.87	.99	.60	.92	.66	1.30
Dec.	3.18	1.89	.86	.80	1.10	1.00	1.25	.86	1.77	1.54
Jan.	5.17	1.82	1.55	.89	1.98	1.21	3.22	1.04	3.38	1.68
Feb.	.81	1.77	.15	.71	1.12	.92	.27	.70	.48	1.35
Mar.	1.82	1.39	1.25	.66	1.11	1.02	.85	.84	1.05	1.27
Apr.	2.63	1.04	2.29	.66	1.28	1.06	.89	.93	2.08	1.26
May	2.64	1.45	1.43	.98	2.03	1.13	1.08	1.00	1.91	1.61
June	2.72	1.91	1.41	1.13	1.18	.96	1.67	.79	1.83	1.68
July	.55	.82	.32	.46	1.25	.51	.44	.24	1.05	.73
Aug.	.37	.95	.38	.50	.11	.55	.09	.17	.51	.95
Sept.	2.25	.94	.73	.63	.80	.61	.78	.49	1.85	1.02
Year	24.12	16.89	11.59	8.67	12.39	10.85	11.66	8.74	17.57	15.41

* Used 23 year average.

On an average for the nine stations, the precipitation for the year ending September 30, 1970 was 114% of normal. January, April, and September were 201%, 165%, 181% of normal, respectively.

EXPENDITURES DURING YEAR ENDING SEPTEMBER 30, 1970

WATERMASTER & STAFF

A. L. Larson	Salary, 3 mos. @ \$12,000 yr.	\$ 3,000.00	
M.C. Bennett	Salary, 3 mos. @ 8,000 yr.	2,000.00	
J. R. Zavala	Salary, 3 mos. @ 4,000 yr.	<u>1,000.00</u>	\$6,000.00 ^{1/}

HYDROGRAPHERS

A. W. Wilson	Salary, 4 mos. @ \$520 mo.	2,130.74	
A. H. Bush	Salary, 5 mos. @ 520 mo.	2,548.00	
Harold Blauer	Salary, 3 mos. @ 520 mo.	1,608.28	
Wayne Blauer	Salary, 1 mo. @ 520 mo.	525.37	
Val Richards	Salary, 152 das. @ \$21 da. incl. mileage	3,192.00	
Sam Garrett	Salary, 76 das. @ 21 " " " "	1,596.00	
L. C. Anderson	Salary, 45½ " " 21 " " " "	<u>955.50</u>	12,555.89

RIVER RIDERS

Bruce Cole	Salary, 73 das. @ \$16 da. incl. mileage	1,168.00	
J. M. Brown	Salary, 73 " " 16 " " " "	1,168.00	
Al Smith	Salary, 73 " " 16 " " " "	1,168.00	
James Gamblin	Salary, 38 " " 17 " " " "	646.00	
Howard Hatfield	Salary, 67 " " 12 " " " "	804.00	
Elmer Lenz	Salary, 3½ mos. @ \$170. mo. " "	578.58	
Seth Hansen	Salary, 420 hrs. @ \$2.60 hr. " "	1,093.40	
Ed Hansen	Salary, 4 mos. @ 50.00 mo. " "	<u>200.00</u>	6,825.98

MISCELLANEOUS

Norma Ball, clerk (61 hrs. @ \$2.50)	152.50	
Gage readers	426.00	
Transportation, 27,524 mi. @ 10¢ mi.	2,752.40	
Subsistence	350.64	
Telephone and telemark	797.91	
Interest on borrowed money	94.53	
Bond premium & State Insurance	534.29	
Social Security	1,024.81	
Supplies & repairs	214.60	
Storage	120.00	
Postage and box rental	162.00	
Baldwin Bindery	154.08	
Groundwater investigations	900.00	
Soil Conservation Service, snow pillow	250.00	
Ralph Linsman - channel clearing	<u>45.00</u>	7,978.79

STREAMGAGING COSTS

Water District's proportionate share of streamgaging operations	13,575.92	
Less credit for services by Water District employees	<u>4,449.00</u>	9,126.92 ^{2/}

Committee of Nine expense for services at \$10.00 per day and actual expenses		<u>628.00</u>
		\$43,115.58

Expenditures during year ending September 30, 1970 - continued

Funds on hand September 30, 1970

\$-9,314.37 *

As a convenience to the public, the Water District for many years has sold the U.S. Geological Survey topographical maps. Profits from the sale of these maps are used to help defray district expenses. In the year ending September 30, 1970, the profits from the map sales amounted to \$1,093.15.

1/ Paid into the Federal State Cooperative repay account to be used to pay that part of the Geological Survey employees salaries chargeable to the Watermaster function. The remainder of the salaries of these employees, as determined by Federal Civil Service and Geological Survey regulations, paid from non-Water District funding sources.

2/ Proportionate share of streamgaging operations and maintenance paid into Federal-State Cooperative repay account with allowance as noted for streamflow data needed in the Federal-State Cooperative Program and collected by Water District hydrographers.

* Waterusers operating funds collected after Oct. 1 of each year. There is always a deficit of Water District funds at the end of September. This year in the Water District account on September 30 there was \$3,448.50 collected for rental water, which was later disbursed to various companies and individuals who had water for rent. Also, \$9,500.00 was borrowed from the Twin Falls Canal Co. The actual Water District balance on September 30 was - \$18,814.37. The balance on January 7, 1971 was \$16,223.93.

ACCOUNTANTS

BRUCE FLORA
 PUBLIC ACCOUNTANT
 IDAHO FALLS, IDAHO
 August 4, 1970

Water District #36
 Idaho Falls, Idaho

Whom it May Concern:

In accordance with your invitation to audit the books of Water District #36, Idaho Falls, Idaho, I found that from October 1, 1968, through October 3, 1969, all checks had been vouched for and all deposits verified and correctly deposited in the Water District's authorized depository, the Idaho First National Bank of Idaho Falls, Idaho. This period covers the transition of the period before Mr. Larry Eagle's untimely death on June 20, 1969, and the early tenure of Mr. Art Larson, Eagle's successor.

Not having a previous audit to start with, I find it very difficult to report an exact balance of accounts, without a lengthy, time-consuming and consequently expensive examination of past records.

However, the audit I was invited to make, brings forth suggestions of a few improvements that could be affected to improve the accounts for any future audits that might be made.

It is my opinion that each check stub should indicate what expense, or outgo, check is for, plus the voucher and statement pertaining to said expense, for verification. Also, all withholding, in reference to payroll checks, should be indicated on either the checks or checks stubs, plus any amounts that the person being reimbursed for and what the reimbursement is explicitly for.

I also feel that an audit should be made annually, and particularly with each change of watermasters.

It is with these few suggestions that, if any future audits are performed, it will make it easier for the auditor/auditors to clarify any problems that might arise.

May I extend my appreciation for this opportunity of serving you at this time.

Respectfully Submitted,


 Bruce Flora

PRINCIPAL STREAMS AND GAGING STATIONS
WATER DISTRICT NO. 36

NO. STATION

- 1 JACKSON LAKE AT MORAN
- 2 SNAKE RIVER AT MORAN
- 3 SNAKE RIVER ABOVE RESERVOIR NEAR ALPINE
- 4 GREYS RIVER ABOVE RESERVOIR NEAR ALPINE
- 5 SALT RIVER ABOVE RESERVOIR NEAR ETNA
- 6 SNAKE RIVER NEAR IRWIN
- 7 SNAKE RIVER NEAR HEISE
- 8 HENRYS LAKE NEAR LAKE
- 9 HENRYS FORK NEAR LAKE
- 10 ISLAND PARK RESERVOIR NEAR ISLAND PARK
- 11 HENRYS FORK NEAR ISLAND PARK
- 12 HENRYS FORK NEAR ASHTON
- 13 GRASSY LAKE NEAR MORAN
- 14 FALLS RIVER NEAR SQUIRREL
- 15 FALLS RIVER NEAR CHESTER
- 16 HENRYS FORK AT ST. ANTHONY
- 17 TETON RIVER ABOVE SO. LEIGH CR. NEAR DRIGGS
- 18 TETON RIVER NEAR ST. ANTHONY
- 19 HENRYS FORK NEAR REXBURG
- 20 SNAKE RIVER NEAR SHELLEY
- 21 BLACKFOOT RIVER NEAR BLACKFOOT
- 22 SNAKE RIVER NEAR BLACKFOOT
- 23 AMERICAN FALLS RESERVOIR AT AMERICAN FALLS
- 24 SNAKE RIVER AT NEELEY
- 25 LAKE WALCOTT NEAR MINIDOKA
- 26 NORTH SIDE MINIDOKA CANAL NEAR MINIDOKA
- 27 SOUTH SIDE MINIDOKA CANAL NEAR MINIDOKA
- 28 SNAKE RIVER NEAR MINDOKA
- 29 P. A. LATERAL NEAR MILNER
- 30 MILNER LOW LIFT CANAL NEAR MILNER
- 31 GOODING CANAL AT MILNER
- 32 NORTH SIDE TWIN FALLS CANAL AT MILNER
- 33 SOUTH SIDE TWIN FALLS CANAL AT MILNER
- 34 SNAKE RIVER AT MILNER
- 35 WILLOW CREEK NEAR RIRIE
- 36 FORT HALL MICHAUD CANAL
- 37 MICHAUD CANAL

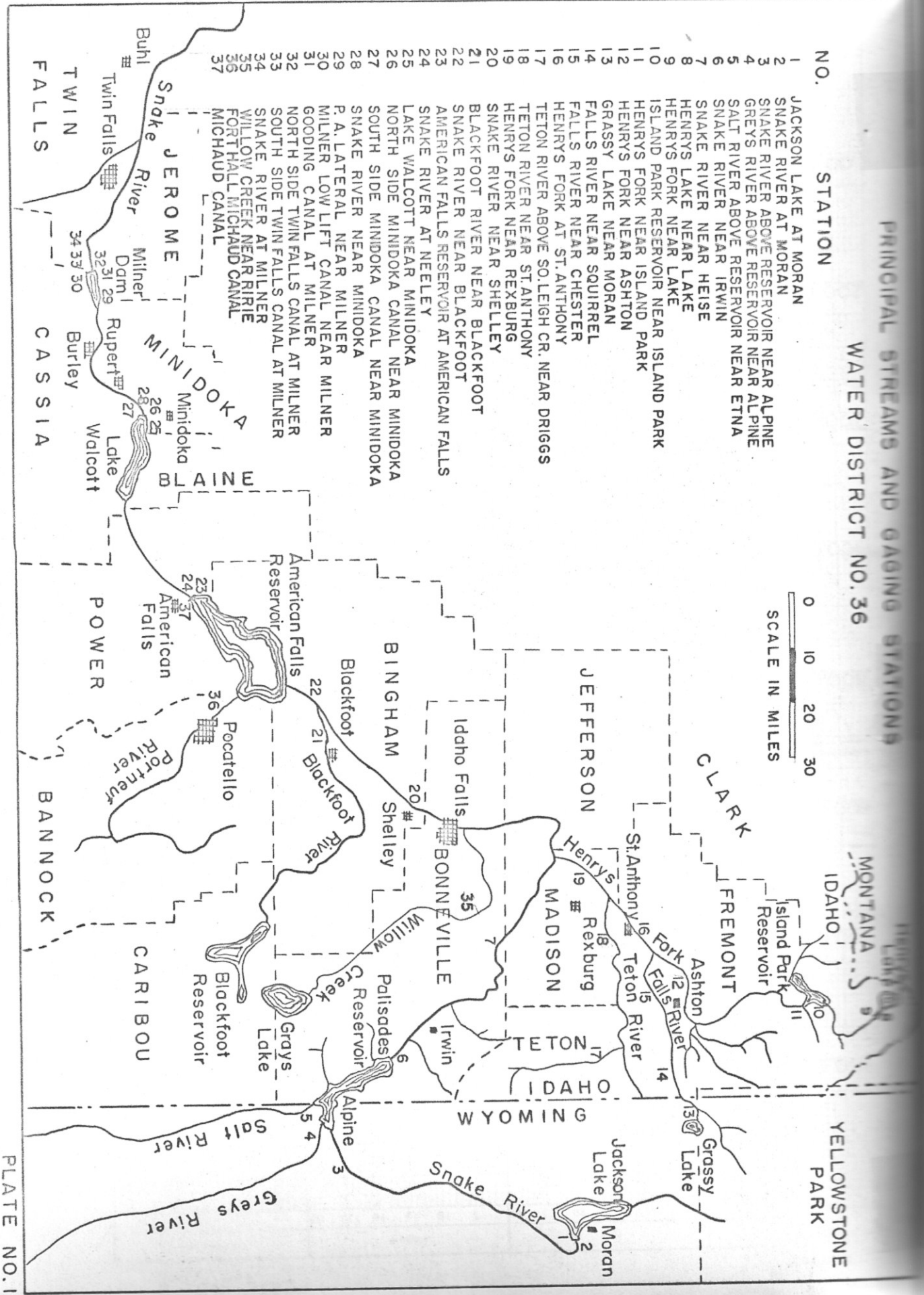
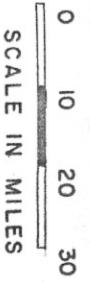
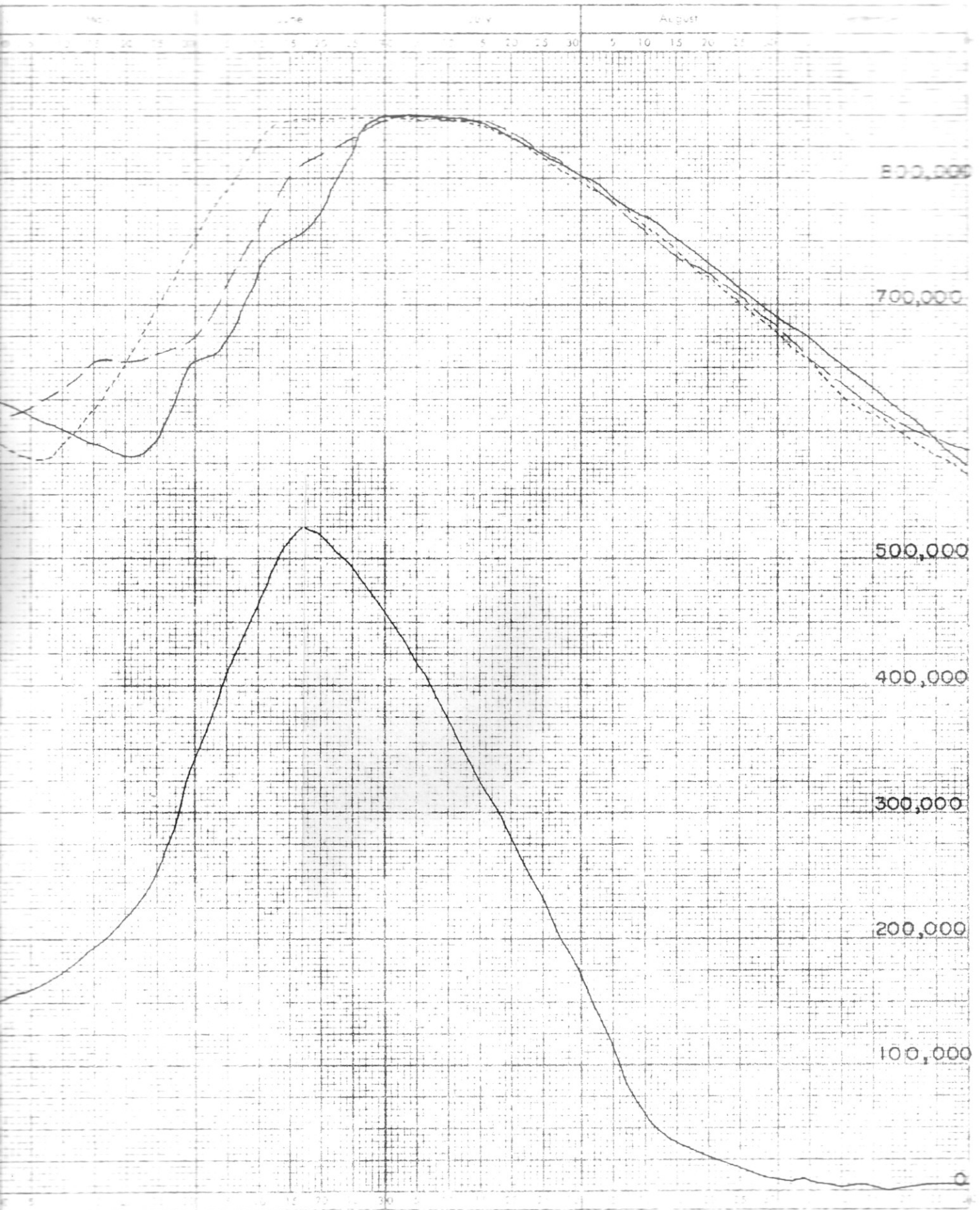
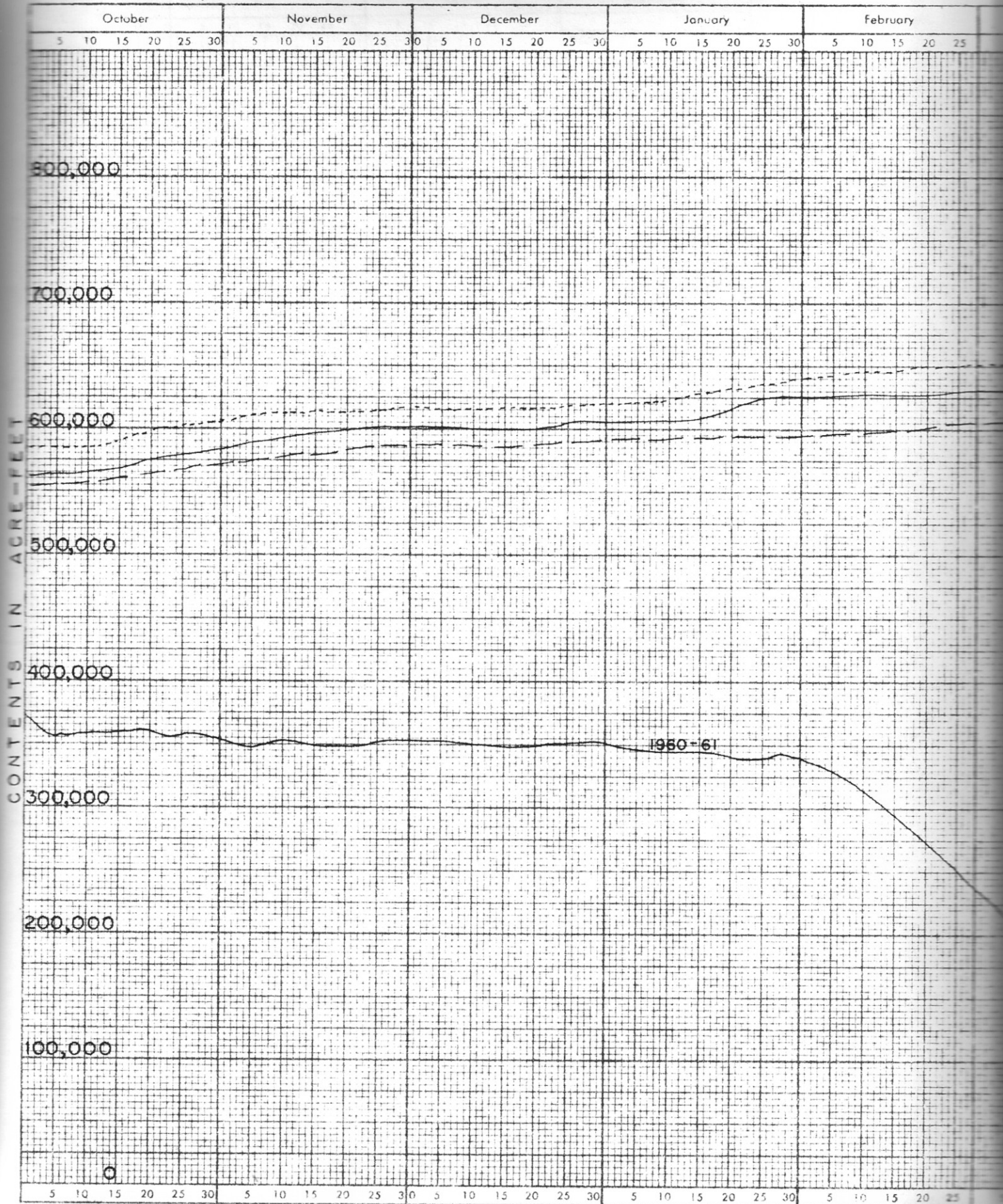
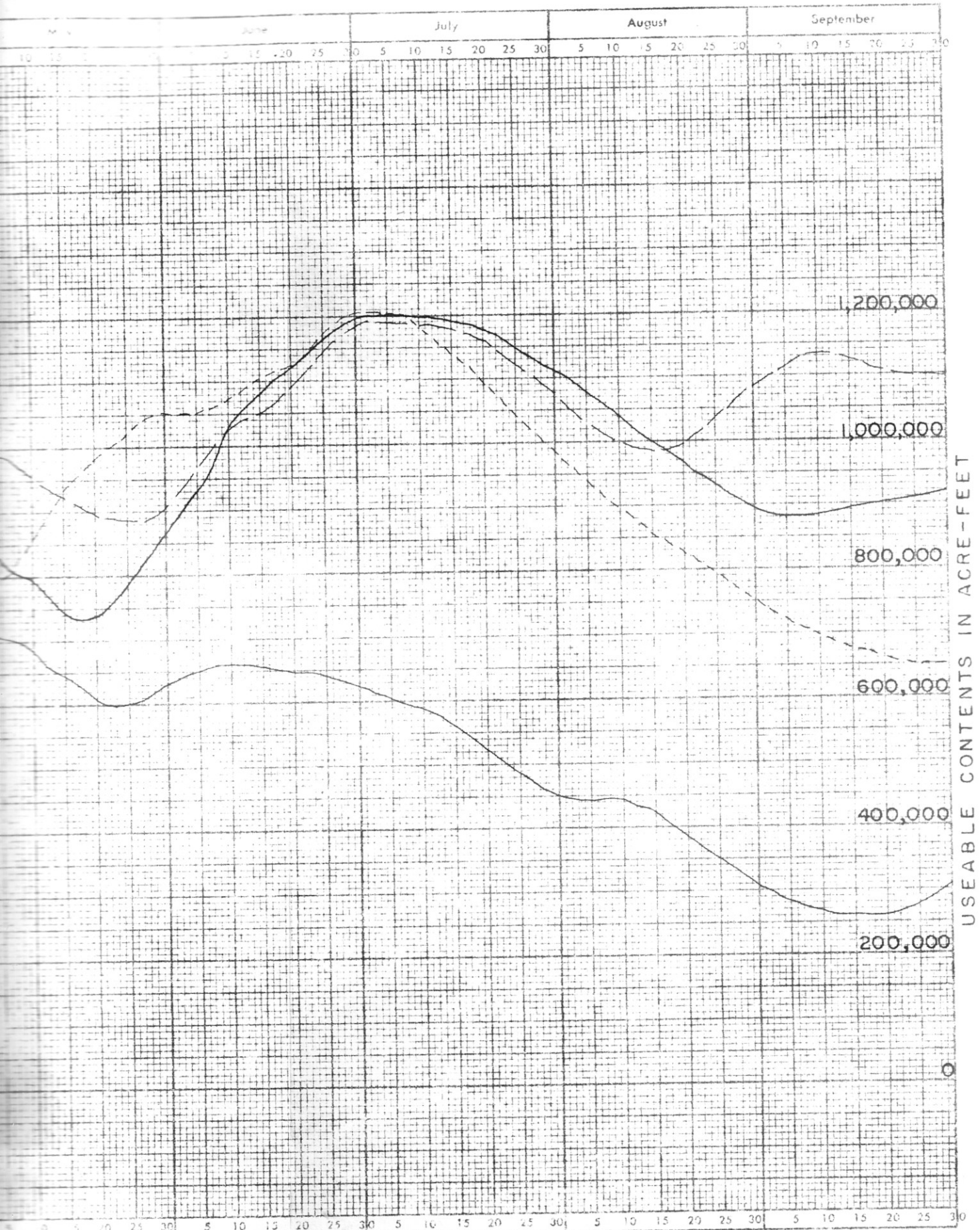


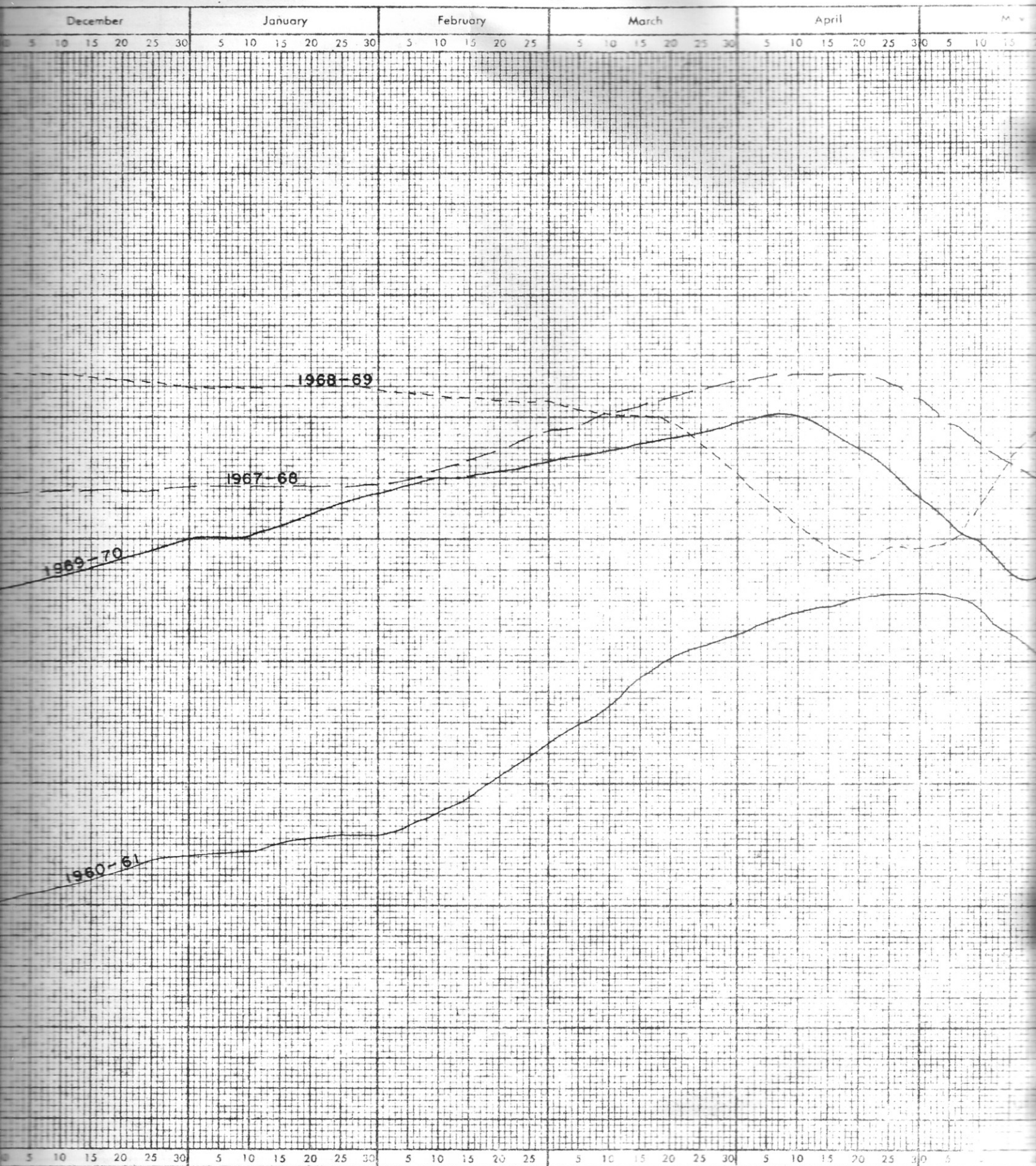
PLATE NO. 1

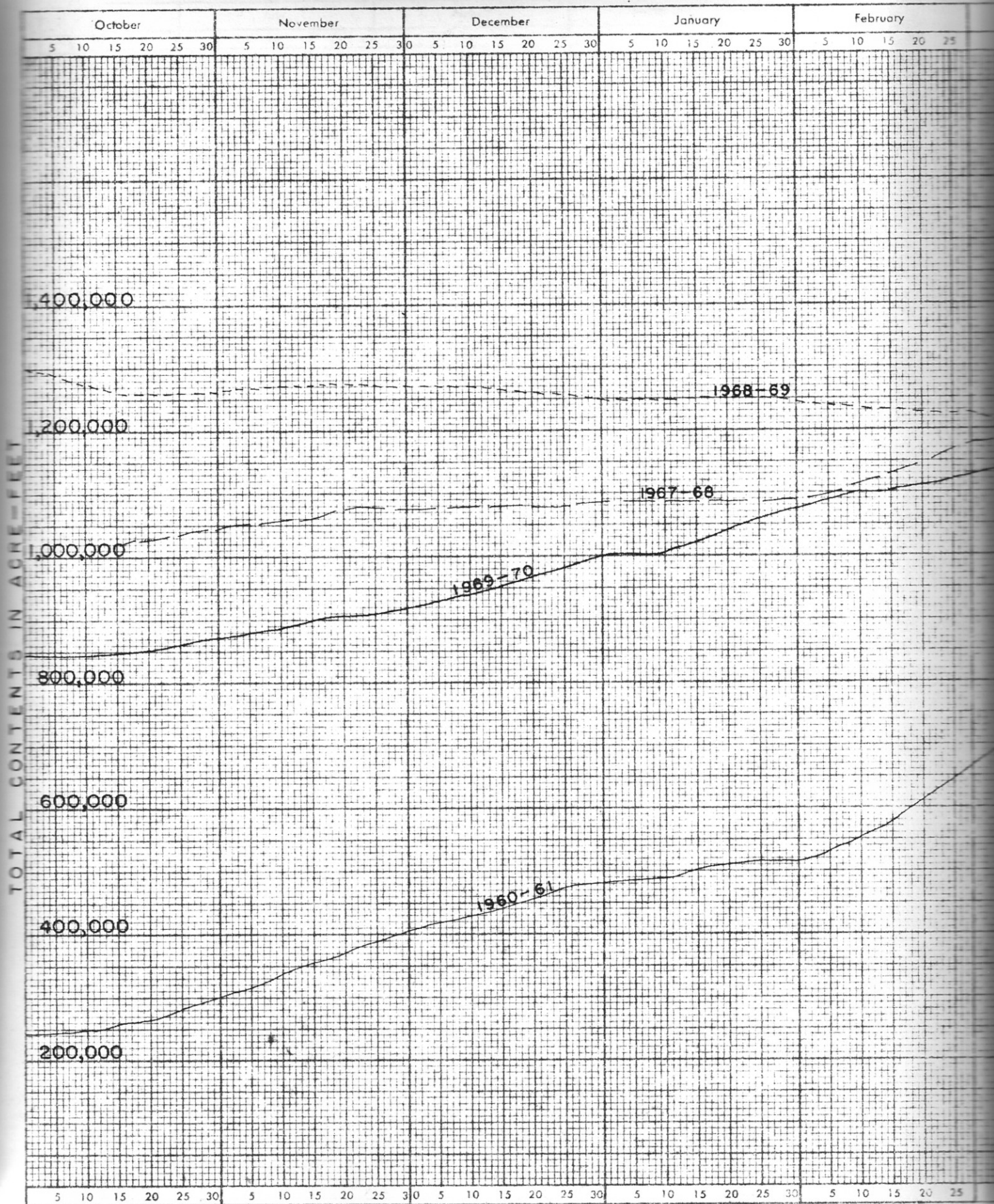




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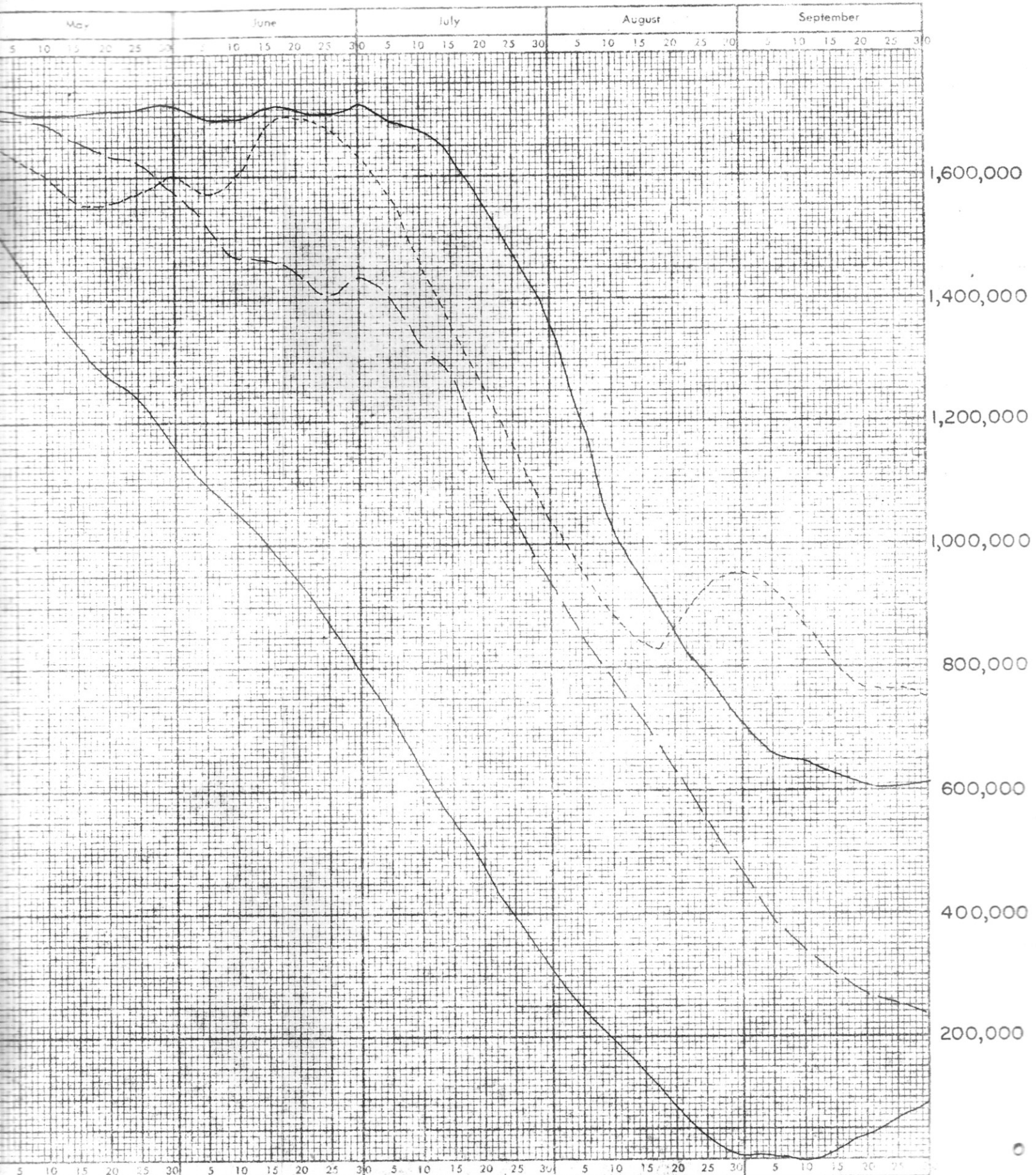


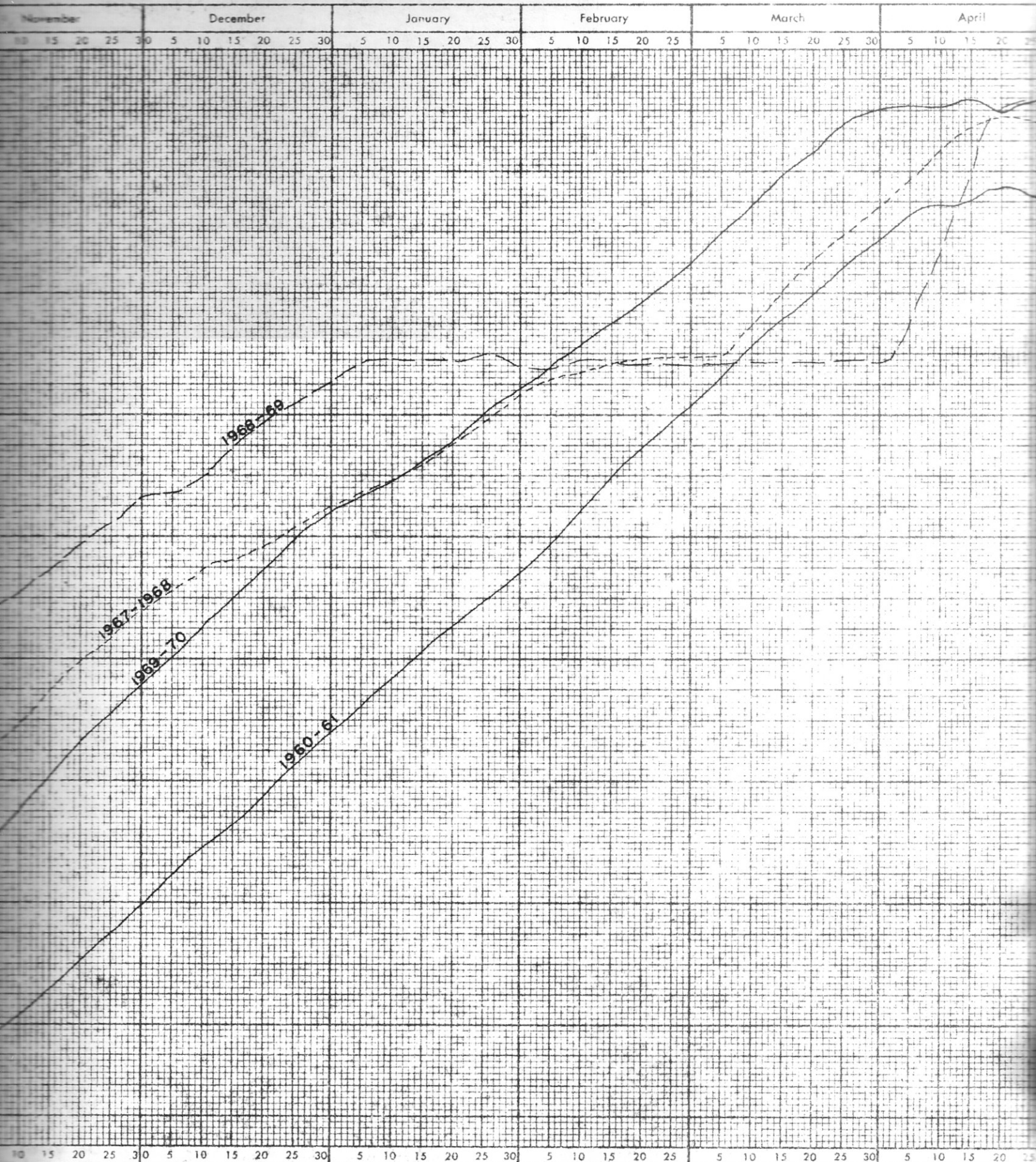


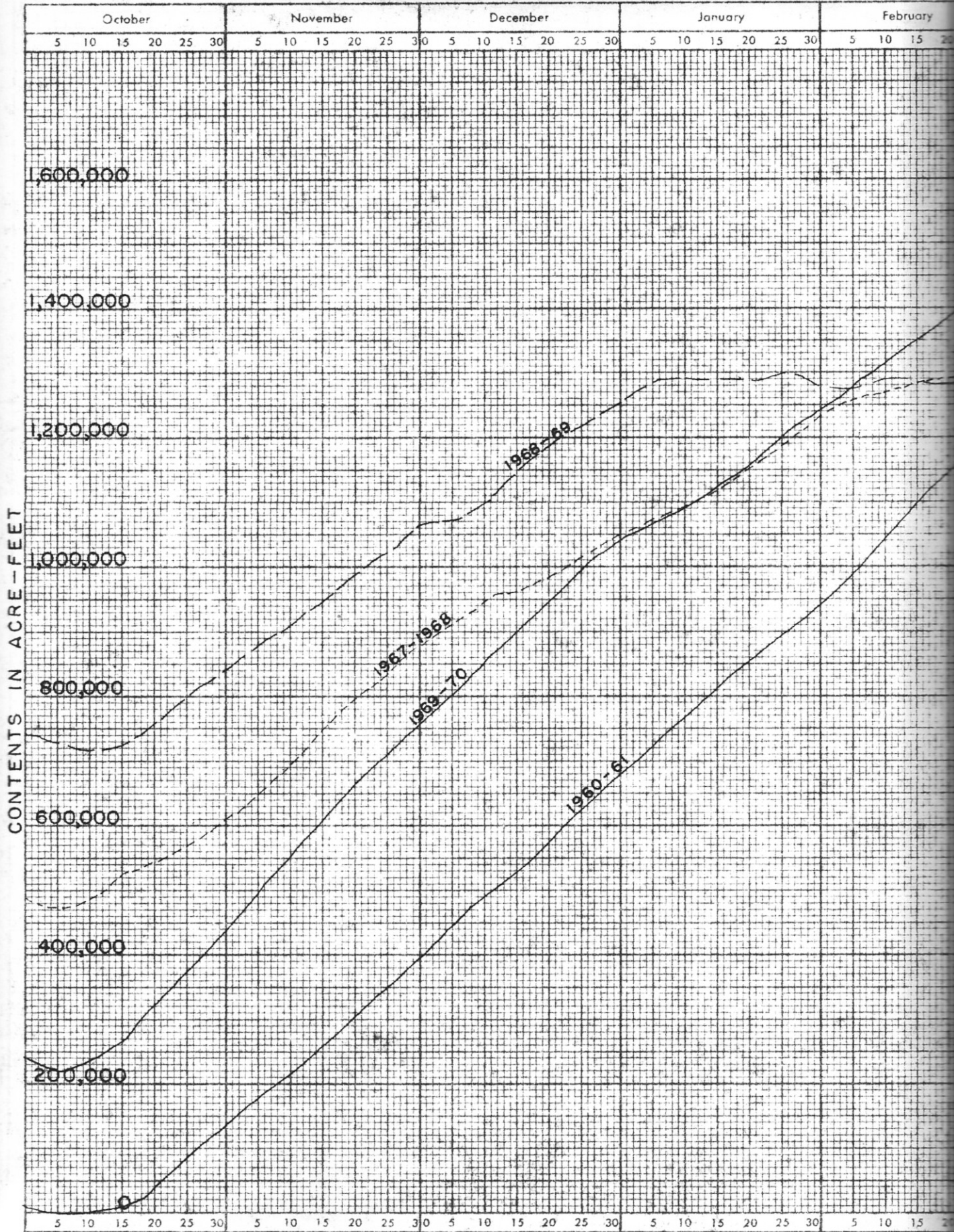
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AMERICAN FALLS RESERVOIR

Washington
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Field





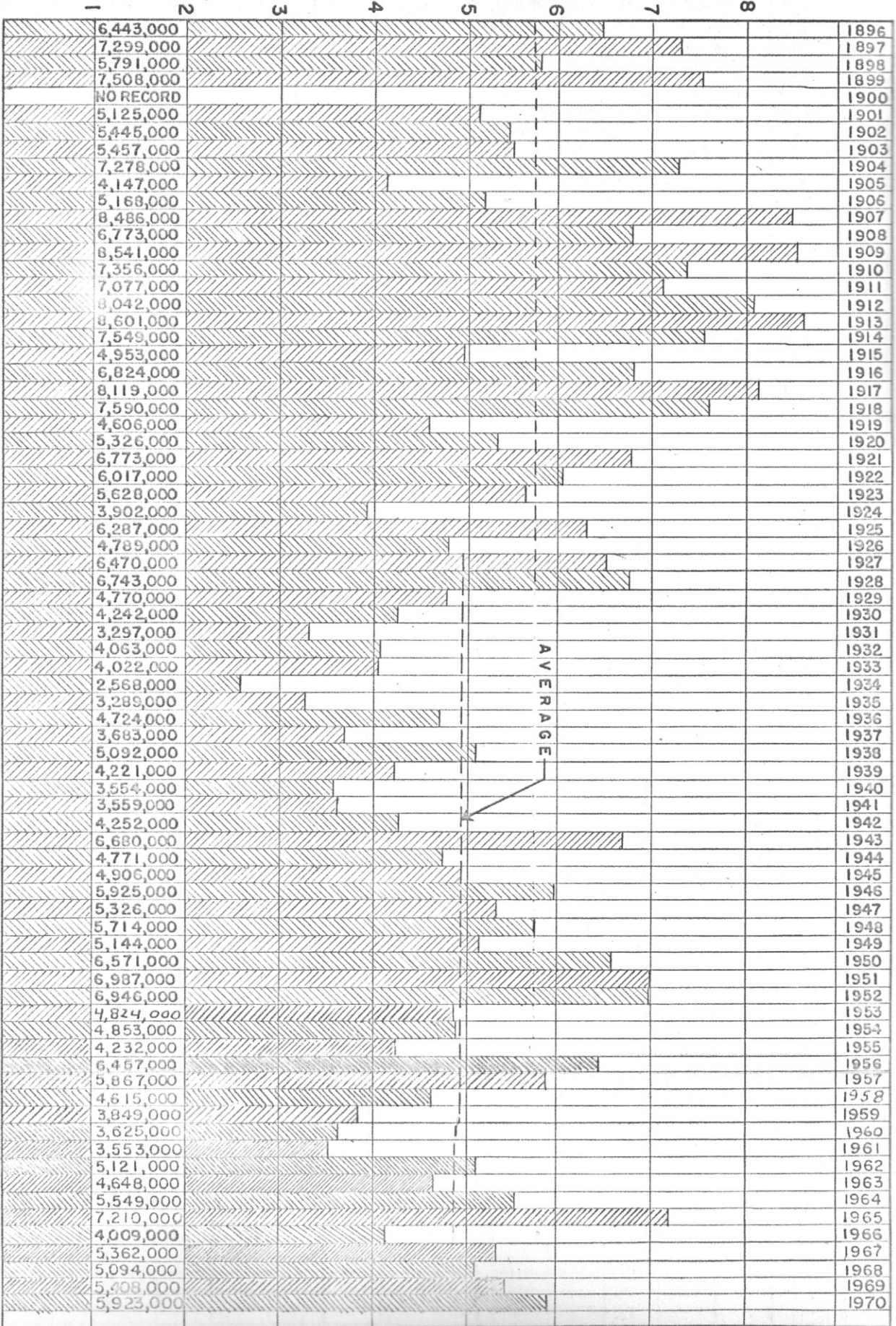


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RUNOFF IN MILLIONS OF ACRE-FEET

ANNUAL RUNOFF OF SNAKE RIVER AT NEELEY, IDAHO

PLATE NO. 4

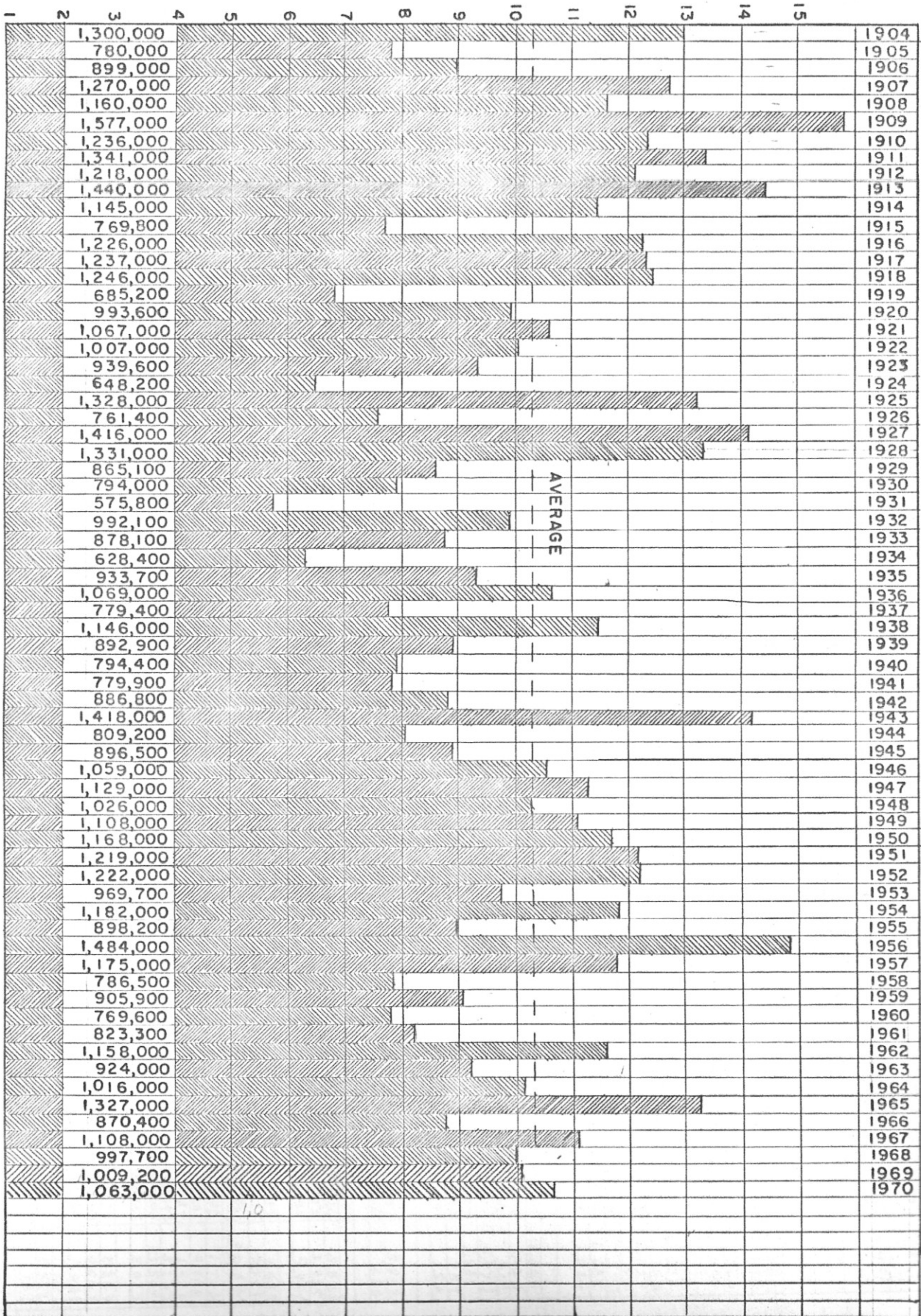


NOTE: RUNOFF TOTALS ARE FOR WATER YEAR ENDING SEPT. 30 AND ARE CORRECTED FOR AMERICAN FALLS HOLDOVERS. RECORDS AT MONTGOMERY FERRY USED PRIOR TO 1907.

RUNOFF IN HUNDREDS OF THOUSANDS OF ACRE-FeET

ANNUAL RUNOFF OF SNAKE RIVER AT MORAN, WYO.

PLATE NO. 5



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

DAILY DISCHARGE IN SECOND-FEET OF SNAKE RIVER CANALS JULY 1970

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	41	41	41	33	33	33	33	32	30	27	27	37	37	35	36	34	35	36	36	38	38	35	35	35	35	35	35	35	35	35	31	1,039	
ANDERSON	413	327	436	500	499	490	471	476	441	428	420	420	420	396	391	441	426	426	510	509	579	579	485	482	492	482	482	482	480	478	14,399		
EAGLE ROCK	593	500	650	680	685	682	671	673	659	644	641	641	641	624	619	626	624	624	624	624	624	624	624	624	624	624	624	624	624	624	21,767		
FARMERS FRIEND	422	364	407	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	14,222		
ENTERPRISE	176	176	176	193	193	193	192	190	186	182	182	184	184	182	205	206	206	216	215	215	216	216	216	216	216	216	216	216	216	216	6,399		
NELSON	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
MATSON-CRAIG	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
ARNSBERGER	0	0	0	0	0	0	0	0	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	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	1,613	
ROSS & RAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
STEELE	16	16	17	18	18	18	16	15	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	173	
HARRISON	411	525	616	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	637	17,532	
CHENEY	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	240	
BOOMER	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	4,287	
RUDY	96	96	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	2,681	
KITE & NORD	12	12	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	298	
BURGESS	1070	1020	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	32,555	
CLARK & EDWARDS	119	119	117	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	3,020	
LOWDER & JENNINGS	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	1,728	
EAST LABELLE	162	160	165	170	175	180	193	106	114	113	128	143	109	104	111	161	153	131	131	136	133	122	122	133	133	122	133	133	133	133	133	4,172	
SUNNYDELL	141	178	158	186	191	190	190	189	175	175	156	138	185	186	175	218	213	246	238	242	241	241	241	241	241	241	241	241	241	241	241	5,783	
LENROOT	100	134	119	120	130	121	121	107	102	102	102	105	91	125	113	122	137	152	196	194	192	192	192	192	192	192	192	192	192	192	192	4,106	
REID	190	203	162	198	190	200	197	197	187	168	168	168	174	168	198	210	237	238	223	238	238	238	238	238	238	238	238	238	238	238	238	6,273	
TEXAS FEEDER	304	286	189	301	284	310	301	296	292	288	286	284	284	275	281	285	265	265	284	282	282	282	282	282	282	282	282	282	282	282	282	8,609	
NELSON COREY	15	15	15	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	199	
HILL PETTINGER	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	199	
RIGBY	219	205	220	231	232	232	162	92	110	126	178	179	172	195	215	217	230	228	234	222	222	222	222	222	222	222	222	222	222	222	222	222	6,235
ISLAND	184	204	193	188	182	194	176	185	187	189	190	192	187	172	182	183	189	207	204	224	224	224	224	224	224	224	224	224	224	224	224	224	6,247
DILLS	29	29	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	964	
WEST LABELLE & LONG ISLAND	523	565	591	597	565	584	539	533	565	546	523	520	520	520	517	518	518	518	518	518	518	518	518	518	518	518	518	518	518	518	518	17,494	
PARKS & LEWISVILLE	336	354	353	334	333	423	326	306	346	322	268	328	408	317	340	386	383	477	427	465	460	464	464	464	464	464	464	464	464	464	464	12,014	
NORTH RIGBY	54	46	75	75	55	55	56	57	44	55	56	57	44	55	56	57	44	55	56	57	44	55	56	57	44	55	56	57	44	55	56	1,783	
WHITE	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	97	
ELLIS	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	162	
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	199	
BUTTE & MARKET LAKE	316	272	327	351	332	309	270	294	237	213	189	189	202	224	230	256	258	287	314	323	334	342	342	342	342	342	342	342	342	342	342	9,758	
OSGOOD	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	294	
BEAR ISLAND & SMITH	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	1,594	
KENNEDY	843	870	970	974	1040	1040	1020	1070	1130	1070	830	854	1070	1220	1200	1380	1350	1350	1350	1300	1480	1470	1470	1470	1470	1470	1470	1470	1470	1470	1470	36,763	
IDAHO	420	435	422	438	438	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	20,215	
GREAT WESTERN	210	209	244	297	318	310	337	333	344	348	337	335	331	323	314	338	320	335	333	331	329	331	334	331	331	331	331	331	331	331	331	9,837	
PORTER KELLER	114	94	109	126	125	132	114	115	100	112	110	113	102	90	90	103	103	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	3,456
WOODVILLE	743	749	781	794	773	832	880	828	852	921	745	723	723	709	707	774	825	860	852	920	995	990	990	990	990	990	990	990	990	990	990	24,734	
SNAKE RIVER VALLEY	804	810	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849	30,927	
TOTAL HEISE TO SHELLEY	99	229	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	323	11,803	
RESERVATION	295	295	309	322	326	342	356	407	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	408	10,884	
BLACKFOOT	160	43	0	80	124	141	161	180	219	189	182	166	163	141	129	158	151	162	163	170	160	166	177	173	170	168	159	148	153				

DAILY DISCHARGE IN SECOND-FOOT OF SNAKE RIVER CANALS AUGUST 1970

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
RILEY	31	31	30	35	35	47	28	27	33	30	28	30	30	30	30	28	28	28	28	28	28	28	28	27	27	27	27	27	27	27	27	898
ANDERSON	480	480	470	470	470	466	468	454	442	432	422	412	402	392	382	372	362	352	342	332	322	312	302	292	282	272	262	252	242	232	73,336	
EAGLE ROCK	772	770	756	756	758	771	696	652	652	648	643	643	733	733	733	664	641	586	560	558	558	558	558	558	558	558	558	558	558	558	19,679	
FARMERS FRIEND	422	422	423	438	446	418	414	412	364	364	375	375	411	411	412	412	406	374	356	262	258	258	258	258	258	258	258	258	258	258	11,127	
ENTERPRISE	211	210	207	227	230	226	228	224	224	224	222	222	222	224	224	184	184	183	180	176	152	150	149	148	148	147	147	147	147	5,805		
NELSON	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	0	60	
MATTHEWSON-CRAIG	20	0	10	21	21	9	9	19	19	27	25	24	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	403	
ARNSBERGER	2	0	2	2	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	32	
BUTLER ISLAND	54	54	54	61	63	66	66	66	66	63	52	52	54	54	54	55	55	55	42	38	40	43	43	43	42	42	42	42	42	42	1,584	
ROSS & RAND	8	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106	
STEELE	7	5	5	7	6	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	147	
HARRISON	683	683	677	677	695	689	701	654	611	651	657	657	596	619	619	608	666	663	651	610	565	462	457	459	459	435	473	511	531	534	18,479	
CHENEY	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	179	
BOOMER	233	233	228	216	210	233	183	186	186	178	188	190	190	171	193	193	193	171	171	168	168	168	168	168	168	168	168	168	168	168	168	5,835
RUDY	99	93	103	94	86	102	92	94	94	94	92	100	102	103	105	108	76	77	75	66	65	61	58	55	54	54	54	54	54	54	2624	
KITE & NORD	11	11	11	11	11	12	9	10	9	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	216	
BURGESS	1080	1070	1070	1080	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	31,914	
CLARK & EDWARDS	84	86	87	86	79	81	86	86	84	83	82	82	79	78	80	78	78	76	75	75	72	72	72	72	72	72	72	72	72	72	2,496	
LOWDER & JENNINGS	51	48	48	54	58	54	50	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	1,584	
EAST LABELLE	123	122	120	119	106	123	119	117	117	119	128	128	132	132	132	132	128	128	128	128	128	128	128	128	128	128	128	128	128	128	3,688	
SUNNYDELL	188	188	187	207	187	197	222	186	204	184	185	174	152	182	154	153	152	178	177	174	174	174	174	174	174	174	174	174	174	174	5,353	
LENROOT	122	119	117	110	134	130	129	115	126	102	96	126	134	138	140	116	102	120	120	120	122	107	105	104	87	88	81	74	61	94	51	85
REID	200	165	195	215	213	197	190	168	165	170	151	176	192	192	172	168	162	168	168	168	168	168	168	168	168	168	168	168	168	168	168	5,422
TEXAS FEEDER	264	270	270	290	290	272	272	274	270	276	274	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	8,508	
NELSON COREY	10	11	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	336	
HILL PETTINGER	3	0	0	3	7	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	76	
RIGBY	197	184	170	166	194	221	215	207	196	183	162	176	165	156	156	156	168	168	168	168	168	168	168	168	168	168	168	168	168	168	4,920	
ISLAND	214	213	213	214	194	213	215	211	217	213	200	196	201	197	194	194	214	210	199	199	199	206	200	198	186	180	183	169	172	172	6,150	
DILTS	37	37	37	30	30	30	31	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	898	
WEST LABELLE & LONG ISLAND	555	562	562	40	571	565	571	571	546	546	520	526	526	526	526	520	526	526	526	526	526	526	526	526	526	526	526	526	526	526	15,926	
PARKS & LEWISVILLE	434	362	362	358	366	390	384	386	328	364	348	343	366	366	354	360	340	336	338	338	338	338	338	338	338	338	338	338	338	338	10,688	
NORTH RIGBY	68	12	58	58	42	53	60	57	58	58	57	58	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	1,708	
WHITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ELLIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BRAMWELL	8	7	7	8	9	10	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	324	
BUTTE & MARKET LAKE	329	335	334	350	358	365	378	360	360	360	361	362	368	377	353	332	330	311	302	294	302	300	296	286	284	278	278	273	273	273	9,749	
OSGOOD	80	50	75	60	80	77	77	48	7	49	78	76	72	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	211	
KENNEDY	58	39	39	22	6	29	52	52	54	54	53	53	53	52	44	44	38	32	23	14	14	25	25	36	47	46	45	38	33	26	1,201	
IDAHO	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	32,169	
GREAT WESTERN	652	653	645	633	632	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	18,471	
PORTER	318	318	318	316	314	317	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	9,139	
COY & KELLER	129	127	126	124	122	130	137	139	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	3,473	
WOODVILLE	803	767	763	779	775	767	759	755	727	735	741	749	753	749	743	723	697	625	575	669	669	639	627	647	679	673	665	671	649	592	21,954	
SNAKE RIVER VALLEY	375	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	20,258	
TOTAL HEISE TO SHELLEY	471	469	461	454	490	459	469	456	460	462	469	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	12,171	
RESERVATION	330	311	312	339	377	311	308	311	280	330	358	300	287	314	334	346	301	302	307	280	254	254	259	265	283	374	307	277	293	290	9,225	
BLACKFOOT	159	172	166	150	156	155	153	0	101	93	127	163	152	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	4,783	
NEW LAVA SIDE	540	506	495	470	470	451	415	378	382	387	378	373	410	415	427	413	442	430	430	446	456	461	461	446	456	451	461	461	461	13,782		
PEOPLES	1370	1380	1380	1410	1400	1360	1340	1370																								

DAILY DISCHARGE IN SECOND-FEET OF SNAKE RIVER CANALS SEPTEMBER 1970

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	26	25	24	21	22	16	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	260	
ANDERSON	372	305	365	346	307	304	304	304	304	304	304	296	246	246	246	245	245	244	244	243	243	243	241	241	238	238	239	234	234	234	234	8,172	
EAGLE ROCK	557	560	555	487	397	332	328	310	310	309	304	433	433	433	433	433	433	433	433	433	433	433	433	433	433	433	433	433	433	433	433	433	11,678
FARMERS FRIEND	302	362	365	299	284	293	290	237	237	220	206	206	204	202	204	287	286	284	284	327	327	327	327	327	327	327	327	327	327	327	327	327	8,535
ENTERPRISE	115	120	118	116	95	95	95	96	96	92	92	89	86	86	86	83	83	83	83	76	76	76	76	76	76	76	76	76	76	76	76	2,975	
NELSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	
MATTSON-CRAIG	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	
ARNSBERGER	0	0	0	0	0	0	0	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	
BUTLER ISLAND	47	46	39	36	34	32	30	31	0	0	0	17	18	18	21	20	20	20	20	19	19	19	19	19	20	21	21	18	18	19	660		
ROSS & RAND	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	
STEELE	448	360	277	275	312	251	200	200	200	198	198	245	247	251	256	333	348	362	362	312	312	294	277	258	239	239	249	249	249	249	249	8,544	
HARRISON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
CHENEY	190	186	168	142	140	73	96	96	96	91	91	103	124	101	78	76	73	72	72	72	72	72	72	72	72	72	72	72	72	72	72	3,252	
BOOMER	88	88	82	68	76	45	45	45	45	32	33	34	35	36	36	36	38	40	40	40	40	40	40	40	40	40	40	40	40	40	40	1,444	
RUDY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KITE & NORD	987	959	945	931	886	850	784	784	754	727	666	657	671	730	740	732	723	723	732	727	730	710	710	710	710	710	710	710	710	710	710	22,733	
BURGESS	78	84	86	73	78	66	54	54	54	57	56	56	58	60	61	60	60	60	60	59	58	66	57	59	61	63	56	50	50	50	50	1,866	
CLARK & EDWARDS	36	37	36	35	35	34	32	32	32	32	32	32	32	33	33	34	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	1,071	
LOWDER & JENNINGS	101	101	110	102	96	98	83	83	85	83	82	82	85	80	81	74	72	69	77	77	77	77	77	77	77	77	77	77	77	77	77	2,473	
EAST LABELLE	141	133	124	134	135	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	3,546
SUNNYDELL	29	73	96	64	67	68	60	70	61	64	67	60	57	44	38	45	52	52	52	52	52	48	48	48	48	48	48	48	48	48	48	1,697	
LENROOT	143	151	173	140	154	127	128	130	130	108	133	133	130	128	107	124	126	126	126	126	126	124	121	121	124	124	124	124	124	124	124	3,890	
REID	256	256	254	242	253	222	222	202	202	189	202	202	202	201	188	176	176	177	177	153	153	153	153	153	153	153	153	153	153	153	153	5,749	
TEXAS FEEDER	11	11	8	8	7	4	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	80	
NELSON COREY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HILL PETTINGER	135	100	104	81	80	80	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	0
RIGBY	164	172	175	164	168	158	138	142	142	142	142	134	134	133	133	134	134	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	2,645
ISLAND	25	27	26	25	22	24	19	20	20	20	22	16	21	26	25	24	24	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	4,275
DILTS	478	485	482	451	469	435	430	396	432	435	423	423	434	442	444	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	615
WEST LABELLE & LONG ISLAND	324	280	280	256	231	235	255	213	208	208	173	175	187	199	202	204	209	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	13,086
PARKS & LEWISVILLE	44	46	40	47	44	47	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	6,489
NORTH RIGBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WHITE	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BRAMWELL	9	8	11	14	14	0	0	0	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
BUTTE & MARKET LAKE	239	235	248	249	251	216	217	198	202	180	175	175	168	168	168	167	162	162	167	167	167	162	175	175	170	170	170	170	170	170	170	170	5,611
OSGOOD	62	54	52	52	40	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	1,314	
BEAR ISLAND & SMITH	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	74
KENNEDY	1	1	4	6	6	32	32	28	24	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	419
IDAHO	987	987	919	919	919	919	919	919	919	919	919	919	919	919	919	919	919	919	919	919	919	919	919	919	919	919	919	919	919	919	919	919	17,797
GREAT WESTERN	554	535	532	529	524	523	521	515	486	446	412	399	398	387	406	407	406	406	396	396	383	371	371	374	374	374	374	374	374	374	374	374	12,684
PORTER	305	304	310	316	316	214	214	210	205	198	192	192	228	228	228	228	228	228	228	228	218	218	219	219	221	223	215	207	207	207	207	6,155	
COY & KELLER	89	80	80	81	81	82	82	80	79	71	63	63	62	62	60	59	58	56	56	58	58	60	62	66	71	71	66	66	66	66	66	2,054	
WOODVILLE	649	627	576	536	522	475	468	454	449	435	424	432	432	430	430	427	425	424	430	449	459	464	465	448	427	428	427						

PLATE NO. 11

S E P T E M B E R

13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	31	31	32	32	32	32	32	32	32	33	33	33	33	33	33	33	33
480	475	470	466	462	458	454	450	445	440	436	432	428	424	424	424	424	424
147	147	146	146	146	146	146	145	145	145	145	144	144	144	144	144	144	144
258	268	269	265	263	263	257	248	248	264	278	283	285	287	296	300	298	300
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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32	32	32	32	32	32	32	32	33	33	33	33	33	33	33	33	33	33
11	11	11	11	11	11	11	11	12	12	12	12	12	12	12	12	12	12
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
144	152	151	138	113	116	121	113	125	137	146	141	140	144	144	140	144	144
3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
18	18	17	17	17	16	16	16	15	15	14	14	13	13	13	13	13	13
67	67	67	68	68	68	68	68	68	68	69	69	69	69	69	69	69	69
3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
17	17	17	17	17	17	17	17	18	18	18	18	18	18	18	18	18	18
3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
68	63	65	66	64	47	47	47	51	51	54	67	59	63	67	70	53	53
12	12	10	11	11	11	11	12	11	11	10	11	26	27	27	29	24	25
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
20	20	16	12	13	12	10	16	21	20	16	30	24	24	24	24	24	24
86	86	86	87	87	88	88	89	89	89	90	90	91	91	91	91	91	91
21	21	20	20	20	20	19	19	19	19	19	18	18	18	18	18	18	18
42	43	44	44	45	46	47	47	48	49	50	51	51	52	52	52	52	52
21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
588	1596	1585	1566	1535	1519	1509	1495	1513	1536	1556	1578	1576	1584	1597	1602	1582	1585
360	1360	1360	1360	1360	1360	1360	1360	1360	1370	1370	1370	1370	1370	1370	1370	1370	1370
948	2956	2945	2926	2895	2879	2869	2855	2873	2906	2926	2948	2946	2954	2967	2972	2952	2955
87,068																	
56	48	49	55	58	60	68	79	81	67	55	52	52	52	43	39	41	39
004	3004	2994	2981	2953	2939	2937	2934	2954	2973	2981	3000	2998	3006	3010	3011	2993	2994
89,144																	

28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
26	27	27	28	28	29	29	30	30	30	30	30	31	31	31	31	31	31	31	31	32
489	494	498	502	506	510	514	518	522	515	510	505	500	495	490	485	480	475	470	466	466
143	144	144	146	147	148	148	149	149	149	148	148	148	148	147	147	147	147	146	146	146
142	156	169	151	166	176	177	180	220	222	214	234	236	234	238	248	258	268	269	265	265
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27	27	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
56	56	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
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76	74	82	83	88	95	97	98	106	108	112	116	112	113	123	138	144	152	151	138	138
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20	20	21	21	21	21	21	21	21	21	20	20	20	19	19	18	18	18	17	17	17
63	63	63	64	64	65	65	66	66	66	66	66	67	67	67	67	67	67	67	67	68
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4
16	16	16	16	16	16	16	16	16	16	16	16	16	17	17	17	17	17	17	17	17
2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
50	49	49	52	57	55	60	64	75	85	86	57	60	54	46	60	68	63	65	66	66
10	12	12	13	13	12	11	12	12	12	11	12	12	11	11	12	12	12	10	11	11
4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
16	17	3	5	4	6	2	4	5	18	25	18	28	25	20	20	20	20	16	12	12
78	79	79	80	80	81	81	82	82	82	83	83	84	84	85	85	86	86	86	86	87
20	20	21	21	21	22	22	23	23	23	22	22	22	22	21	21	21	21	20	20	20
44	43	42	40	39	38	37	36	35	36	37	38	39	40	41	42	42	43	44	44	44
21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
1367	1388	1400	1396	1425	1450	1456	1475	1538	1559	1548	1547	1550	1537	1533	1568	1588	1596	1585	1566	1566
1320	1320	1330	1330	1340	1340	1350	1350	1350	1350	1350	1350	1350	1360	1360	1360	1360	1360	1360	1360	1360
2687	2708	2730	2726	2765	2790	2806	2825	2888	2909	2898	2897	2900	2897	2893	2928	2948	2956	2945	2926	2926
151	138	125	144	130	120	120	118	78	78	88	70	70	74	72	64	56	48	49	55	55
2838	2846	2855	2870	2895	2910	2926	2943	2966	2987	2986	2967	2970	2971	2965	2992	3004	3004	2994	2981	2981

87,068

89,144

1970

23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11
26	26	26	26	26	26	26	26	25	25	25	25	25	25	25	25	25	24	24	24
456	457	457	457	458	458	458	459	459	459	460	460	460	460	460	460	460	460	460	460
133	133	133	132	132	132	131	131	131	130	130	130	130	131	131	132	132	133	133	134
101	119	161	171	110	102	109	111	117	173	170	156	170	137	129	138	157	155	143	131
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25	28	28	28	27	27	27	27	27	26	26	26	26	26	26	26	26	26	26	26
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26	26	26	26	26	25	25	25	25	25	25	26	26	26	26	26	27	27	27	27
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69	42	33	39	43	53	61	86	104	95	86	74	75	76	83	81	75	74	76	79
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13	12	12	11	11	11	10	10	10	10	11	11	12	12	13	13	14	14	15	15
67	67	66	66	65	64	64	63	63	63	63	62	62	62	62	62	62	62	61	61
3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
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16	16	15	16	16	15	15	15	16	15	15	15	16	15	15	16	16	15	15	15
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70	70	70	70	70	71	71	71	71	71	72	72	72	72	72	72	73	73	73	73
12	12	12	13	13	13	13	13	13	14	14	14	14	14	15	15	15	15	15	16
56	55	54	54	53	52	51	50	49	48	47	46	46	46	47	47	47	47	47	47
22	21	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
1228	1264	1280	1221	1226	1246	1263	1301	1348	1327	1296	1315	1296	1284	1292	1303	1322	1322	1302	1302
1270	1270	1270	1270	1270	1270	1270	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280	1280
2498	2534	2550	2491	2496	2516	2533	2581	2628	2607	2576	2595	2596	2564	2572	2583	2602	2602	2582	2582
152	111	101	162	171	164	163	157	101	105	119	105	139	148	140	121	124	137	149	149
2550	2645	2651	2653	2667	2680	2696	2738	2729	2712	2695	2700	2715	2712	2712	2704	2726	2739	2731	2731

INFLOW TO AMERICAN FALLS

	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6
25	27	27	27	26	26	25	25	24	24	24	24	24	24	25	25	25	25	25	25	25
437	437	437	437	437	437	437	437	437	437	437	437	437	438	439	440	440	441	442	443	444
132	132	132	133	133	133	134	134	134	134	134	135	135	135	135	135	135	135	135	135	135
266	264	262	261	248	190	167	162	167	162	151	154	193	143		139	137	148	207	197	126
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
28	28	28	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
6	6	6	7	7	7	8	8	8	9	9	9	9	9	9	9	8	8	8	8	8
27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
11	11	11	11	11	11	11	10	10	10	10	10	10	10	10	10	11	11	11	11	11
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
384	367	325	304	241	216	205	187	167	158	149	149	144	161		168	152	126	114	90	91
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
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51	52	52	53	54	55	56	56	57	58	58	58	59	59		60	61	62	63	64	64
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
11	12	12	13	14	14	15	15	16	16	16	16	16	15		15	15	15	15	15	15
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
65	70	73	60	65	61	60	52	53	52	44	45	42	44		47	47	46	49	46	46
13	11	11	12	12	11	10	10	12	10	10	11	10	11		12	12	12	12	13	12
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
41	45	34	20	18	23	25	16	16	25	29	15	11	28		47	36	13	18	22	17
86	83	80	78	76	74	72	70	68	66	66	66	66	66		66	67	67	67	67	67
20	20	20	19	19	19	19	19	19	19	19	19	18	18		18	17	17	17	16	15
48	47	46	44	43	42	40	39	38	37	38	39	40	41		42	43	44	45	46	47
20	20	20	21	21	21	21	21	21	21	21	21	21	21		21	21	21	21	21	21
1756	1741	1685	1638	1563	1478	1443	1399	1385	1377	1354	1341	1374	1364		1393	1367	1331	1389	1360	1286
1330	1320	1320	1320	1310	1310	1300	1300	1300	1290	1290	1290	1280	1280		1280	1280	1280	1280	1280	1270
3086	3061	3005	2958	2873	2788	2743	2699	2685	2667	2644	2631	2654	2644		2673	2647	2611	2669	2640	2556
98	98	98	97	108	164	185	188	181	184	194	188	145	191		191	191	176	113	119	186
3184	3159	3103	3055	2981	2952	2928	2887	2866	2851	2838	2819	2799	2835		2864	2838	2787	2782	2759	2742

JUNE

30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
34	35	33	32	32	32	31	31	31	30	30	29	29	29	29	29	28	28	28	27	27	
453	452	451	449	447	446	445	444	443	442	440	439	438	437	437	437	437	437	437	437	437	
130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	131	131	132	132	133	
265	343	315	302	274	266	266	267	264	228	254	290	284	229	252	250	241	241	266	264	266	
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	
55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	
5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	5	5	5	6	6	6	
27	27	27	27	27	27	27	27	27	27	27	27	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	
2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
485	621	584	530	484	421	425	440	440	425	430	440	415	380	405	420	400	400	384	367	367	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
7	7	8	8	8	8	8	9	9	9	9	10	10	10	10	10	10	10	10	10	10	
60	54	53	57	56	55	54	53	52	51	50	49	48	47	47	48	49	50	51	52	52	
2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
5	6	6	6	7	7	7	8	8	8	8	9	9	9	9	10	10	11	11	12	12	
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
50	53	51	42	45	37	33	36	40	46	50	51	53	56	63	95	67	65	70	70	70	
7	8	9	7	9	9	9	9	12	12	13	14	15	15	15	15	13	13	13	11	11	
2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
3	54	50	35	35	1	0	1	0	0	2	15	41	34	13	15	3	10	41	45	45	
86	86	87	88	89	90	90	91	92	93	94	94	95	95	93	92	90	88	86	83	83	
26	25	25	25	24	24	23	23	22	22	21	21	20	20	20	20	20	20	20	20	20	
45	46	45	47	48	49	50	51	52	52	53	54	55	56	54	53	52	50	48	47	47	
20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
2026	2083	2011	1927	1845	1746	1738	1752	1752	1704	1743	1807	1803	1707	1733	1756	1743	1720	1756	1741	16	
1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1340	1340	1330	1330	1330	1320	13	
3376	3433	3361	3277	3105	3096	3088	3102	3103	3054	3093	3157	3153	3057	3073	3096	3073	3050	3086	3061	30	
																		89,076			
105	27	56	69	97	105	105	105	108	144	118	82	89	144	120	120	127	125	98	98		
3481	3460	3417	3346	3392	3201	3193	3207	3211	3198	3211	3239	3242	3201	3193	3216	3200	3175	3184	3159	21	
																		92,909			

M A Y

5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	34	34	34	34	34	34
448	448	448	448	448	448	448	448	448	448	449	449	450	450	450	451	451	451	452	452	452
130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130
130	152	146	127	144	157	160	176	177	196	185	212	213	221	223	240	285	295	310	284	310
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
10	10	10	10	10	10	10	9	9	9	9	8	8	8	8	7	7	7	7	7	6
27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
79	531	588	563	555	560	542	480	442	433	406	405	469	561	621	652	758	843	833	805	730
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	13	13	13	13	13	12	12	12	11	11	11	10	10	10	9	9	9	8	8	8
53	53	53	53	53	54	54	55	55	56	56	57	57	58	58	59	59	59	60	60	60
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5
1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
105	133	106	97	91	93	100	89	84	49	64	55	50	25	41	39	66	60	73	86	86
43	57	73	47	67	67	66	61	60	60	65	50	58	27	27	40	47	26	25	28	28
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	20	64	38	35	35	35	29	23	15	12	10	5	25	26	41	20	23	20	33	33
129	129	129	129	126	123	120	118	116	114	112	110	108	106	104	102	100	98	96	94	94
15	15	15	15	15	15	16	16	17	18	18	19	19	20	20	21	21	22	22	23	23
41	41	41	41	41	41	41	42	42	42	42	42	43	43	43	43	43	44	44	44	44
21	21	21	21	21	21	21	21	21	21	21	21	21	21	22	22	22	22	22	22	22
801	1925	2009	1904	1921	1939	1927	1858	1809	1775	1752	1752	1813	1877	1956	2031	2193	2265	2277	2250	2210
1390	1390	1390	1390	1390	1380	1380	1380	1380	1380	1370	1370	1370	1370	1370	1370	1360	1360	1360	1360	1360
3191	3315	3399	3294	3311	3319	3307	3238	3189	3155	3122	3122	3183	3247	3326	3401	3453	3625	3637	3610	3500

103,228

32	10	16	35	18	13	20	14	23	14	35	18	27	29	37	35	0	0	0	36	36
3223	3325	3415	3329	3329	3332	3327	3252	3212	3169	3157	3140	3210	3276	3363	3436	3453	3625	3637	3646	3580

104,140

S T R E A M	M A Y													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Big Jimmy Creek	33	33	33	33	33	33	33	33	33	33	33	33	33	33
Big Spring Creek	448	448	448	448	448	448	448	448	448	448	448	448	448	449
Clear Creek	130	130	130	130	130	130	130	130	130	130	130	130	130	130
Fortneuf River Inflow Below Pocatello	162	162	162	149	130	152	146	127	144	157	160	176	177	196
Hard Creek	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Imney Creek	28	28	28	28	28	28	28	28	28	28	28	28	28	28
Life Creek	55	55	55	55	55	55	55	55	55	55	55	55	55	55
Life Springs	10	10	10	10	10	10	10	10	10	10	10	9	9	9
McTucker Springs	27	27	27	27	27	27	27	27	27	27	27	27	27	27
Mill Springs	9	9	9	9	9	9	9	9	9	9	9	9	9	9
Minner Springs	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Fortneuf River at Pocatello	375	378	415	460	479	531	588	563	555	560	542	480	442	433
Crystal Ditch	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Crystal Waste	13	13	13	13	13	13	13	13	13	13	12	12	12	11
Danielsen Springs	53	53	53	53	53	53	53	53	53	54	54	55	55	56
Artesian Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Merling Waste	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Millburn Waste	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Merdeen Waste	50	50	60	132	105	133	106	97	91	93	100	89	84	49
Buttar Waste	63	63	63	53	43	57	73	47	67	67	66	61	60	60
Schultz Waste	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Sedar Waste	15	25	30	25	12	20	64	38	35	35	35	29	23	15
Mass Fork	129	129	129	129	129	129	129	129	126	123	120	118	116	114
Triple Creek	15	15	15	15	15	15	15	15	15	15	16	16	17	18
Wannock Creek	41	41	41	41	41	41	41	41	41	41	41	42	42	42
Sugar Springs	21	21	21	21	21	21	21	21	21	21	21	21	21	21
TOTAL MEASURED	1697	1710	1762	1851	1801	1925	2009	1904	1921	1939	1927	1858	1809	1775
Measured Inflow	1400	1400	1400	1390	1390	1390	1390	1390	1390	1380	1380	1380	1380	1380
TOTAL INFLOW	3097	3110	3162	3241	3191	3315	3399	3294	3311	3319	3307	3238	3189	3155
BLACKFOOT TO NEELEY														
Hall Michaud Canal	0	0	0	13	32	10	16	35	18	13	20	14	23	14
Theoretical Inflow	3097	3110	3162	3254	3223	3325	3415	3329	3329	3332	3327	3252	3212	3169

PLATE NO. 12

SIDE	CANAL COMPANY			TWIN FALLS CANAL COMPANY			MILNER LOW LIFT			SNAKE RIVER AT MILNER		
	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL
780	3,659					3,560	0	135	186	0	3,550	3,550
840	3,720	0	3,720	0	3,570	3,570	51	135	186	594	0	594
920	3,820	209	3,611	60	3,600	3,660	80	135	215	313	0	313
960	3,852	0	3,852	110	3,600	3,710	90	135	225	122	0	122
030	3,923	0	3,923	90	3,600	3,690	92	135	227	94	0	94
050	3,943	0	3,943	60	3,600	3,660	107	135	242	73	0	73
060	3,955	0	3,955	100	3,600	3,700	118	135	253	54	0	54
070	3,967	0	3,967	90	3,600	3,690	125	135	260	48	0	48
060	3,958	0	3,958	90	3,600	3,690	127	135	262	48	0	48
040	3,938	482	3,456	120	3,600	3,720	126	135	261	44	0	44
040	3,938	551	3,387	150	3,600	3,750	125	135	260	40	0	40
990	3,887	0	3,887	150	3,600	3,750	125	135	260	39	0	39
980	3,877	587	3,300	170	3,600	3,770	213	54	267	37	0	37
000	3,897	984	2,913	780	3,000	3,780	269	0	269	36	0	36
960	3,857	2,647	1,210	780	3,000	3,780	258	0	258	39	0	39
000	3,897	3,497	400	780	3,000	3,780	252	0	252	37	0	37
000	3,987	3,587	400	810	3,000	3,810	252	0	252	34	0	34
000	4,081	3,681	400	820	3,000	3,820	253	0	253	28	0	28
960	4,010	3,610	400	840	3,000	3,840	253	0	253	26	0	26
990	4,003	3,603	400	870	3,000	3,870	253	0	253	24	0	24
860	3,985	3,643	342	1,278	2,572	3,850	254	0	254	14	0	14
790	3,905	3,562	343	1,202	2,578	3,780	249	0	249	12	0	12
780	3,895	3,546	339	1,193	2,547	3,740	247	0	247	12	0	12
780	3,895	3,554	341	1,190	2,560	3,750	240	0	240	15	0	15
780	3,894	3,551	343	1,197	2,573	3,770	237	0	237	13	0	13
790	3,904	3,559	345	1,192	2,588	3,780	238	0	238	12	0	12
800	3,903	3,563	340	1,224	2,556	3,780	238	0	238	12	0	12
800	3,903	3,564	339	1,231	2,549	3,780	238	0	238	13	0	13
790	3,882	3,540	342	1,212	2,568	3,780	238	0	238	16	0	16
840	3,932	3,582	350	1,160	2,630	3,790	238	0	238	15	0	15
820	3,912	3,560	352	1,137	2,643	3,780	238	0	238	15	0	15
810	3,898	3,542	356	1,072	2,668	3,740	234	0	234	18	0	18
810	3,897	3,546	351	1,121	2,639	3,760	235	0	235	17	0	17
790	3,877	3,532	345	1,165	2,595	3,760	235	0	235	17	0	17
740	3,826	3,481	345	1,170	2,590	3,760	235	0	235	17	0	17
720	3,806	3,456	350	1,150	2,630	3,780	235	0	235	15	0	15
740	3,826	3,471	355	1,144	2,666	3,810	235	0	235	16	0	16
700	3,784	3,429	355	1,114	2,666	3,780	235	0	235	19	0	19
710	3,794	3,436	358	1,047	2,693	3,740	235	0	235	21	0	21
700	3,784	3,424	360	1,043	2,707	3,750	242	0	242	17	0	17
700	3,784	3,421	363	1,054	2,726	3,780	251	0	251	13	0	13
710	3,795	3,436	359	1,192	2,698	3,890	252	0	252	11	0	11
720	3,805	3,445	360	1,150	2,700	3,850	252	0	252	12	0	12
720	3,806	3,446	360	1,060	2,700	3,760	252	0	252	13	0	13
720	3,806	3,443	363	1,032	2,728	3,760	259	0	259	13	0	13
740	3,826	3,457	369	988	2,772	3,760	255	0	255	12	0	12
740	3,836	3,468	368	984	2,766	3,750	251	0	251	13	0	13
730	3,826	3,467	359	1,044	2,696	3,740	243	0	243	13	0	13
730	3,826	3,467	359	1,046	2,694	3,740	236	0	236	13	0	13
730	3,826	3,462	364	998	2,732	3,730	229	0	229	13	0	13

SNAKE RIVER NEAR MINIDOKA			DATE	MILNER LAKE GAGE FEET	MINIDOKA NORTH SIDE PUMP STORED	MINOR DIVERS. NEELEY To MILNER STORED	GOODING PROJECT			NORTH SIDE CANALS			
STORED	NORMAL	TOTAL					STORED	NORMAL	TOTAL	P.A.	GOODING	MAIN	TOTAL
	16,700	16,700	7- 4	10.73			0		1,520	69	810	2,780	3,659
2,825	8,275	11,100	5	11.14	237		720	850	1,570	70	810	2,840	3,720
1,924	7,346	9,270	6	11.06	243	10	1,590	0	1,590	70	830	2,920	3,820
797	8,843	9,640	7	11.20	255	10	962	628	1,590	72	820	2,960	3,852
964	8,546	9,510	8	11.36	255	10	896	694	1,590	73	820	3,030	3,923
156	9,144	9,300	9	11.32	255	10	857	733	1,590	73	820	3,050	3,943
385	8,865	9,250	10	11.41	255	10	1,002	588	1,590	75	820	3,060	3,955
817	8,503	9,320	11	11.12	255	10	1,200	400	1,600	77	820	3,070	3,967
317	8,173	9,490	12	11.15	255	10	1,360	250	1,610	78	820	3,060	3,958
2,159	7,191	9,350	13	10.98	230	10	1,610	0	1,610	78	820	3,040	3,938
2,348	7,122	9,470	14	11.00	215	10	1,620	0	1,620	78	820	3,040	3,938
1,659	7,681	9,340	15	10.98	222	10	1,590	30	1,620	77	820	2,990	3,887
2,306	6,954	9,260	16	10.88	228	10	1,630	0	1,630	77	820	2,980	3,877
3,707	5,913	9,620	17	10.94	229	10	1,610	0	1,610	77	820	3,000	3,897
5,410	4,210	9,620	18	11.02	229	10	1,610	0	1,610	77	820	2,960	3,857
6,260	3,400	9,660	19	11.09	229	10	1,600	0	1,600	77	820	3,000	3,897
6,160	3,400	9,560	20	11.12	233	10	1,610	0	1,610	77	910	3,000	3,967
6,000	3,400	9,400	21	10.96	238	10	1,600	0	1,600	31	1,050	3,000	4,080
6,000	3,400	9,600	22	10.88	238	10	1,580	0	1,580	0	1,050	2,960	4,010
6,459	3,401	9,860	23	11.06	235	10	1,590	0	1,580	53	1,060	2,890	4,003
6,666	2,914	7,580	24	11.14	225	10	1,580	0	1,580	75	1,050	2,860	3,985
6,449	2,921	9,370	25	11.15	220	10	1,580	0	1,580	75	1,040	2,790	3,905
6,314	2,886	9,200	26	11.14	220	10	1,570	0	1,570	75	1,040	2,780	3,895
6,149	2,901	9,050	27	11.11	220	10	1,570	0	1,570	75	1,040	2,780	3,895
6,124	2,916	9,040	28	11.04	227	10	1,570	0	1,570	74	1,040	2,780	3,894
6,057	2,933	8,990	29	11.05	222	10	1,570	0	1,570	74	1,040	2,790	3,904
6,134	2,896	9,030	30	11.01	215	10	1,580	0	1,580	73	1,030	2,800	3,903
6,252	2,888	9,140	31	11.10	222	10	1,580	0	1,580	73	1,030	2,800	3,903
6,080	2,910	8,990	8- 1	11.18	204	10	1,580	0	1,580	72	1,020	2,790	3,882
5,940	2,980	8,920	2	11.06	204	10	1,580	0	1,580	72	1,020	2,840	3,932
6,105	2,995	9,100	3	11.15	209	10	1,590	0	1,590	72	1,020	2,820	3,912
5,997	3,023	9,020	4	11.16	215	10	1,590	0	1,590	68	1,020	2,810	3,898
5,880	2,990	8,870	5	11.14	221	10	1,600	0	1,600	67	1,020	2,810	3,897
5,960	2,940	8,900	6	11.13	220	10	1,600	0	1,600	67	1,020	2,790	3,877
5,995	2,935	8,930	7	11.17	216	10	1,600	0	1,600	66	1,020	2,740	3,826
5,920	2,980	8,900	8	11.00	209	10	1,600	0	1,600	66	1,020	2,720	3,806
6,219	3,021	9,240	9	11.16	209	10	1,590	0	1,590	66	1,020	2,740	3,826
6,079	3,021	9,100	10	11.18	211	10	1,590	0	1,590	64	1,020	2,700	3,784
5,869	3,051	8,920	11	11.22	220	10	1,590	0	1,590	64	1,020	2,710	3,794
5,713	3,067	8,780	12	11.10	223	10	1,590	0	1,590	64	1,020	2,700	3,784
5,731	3,089	8,820	13	10.92	226	10	1,580	0	1,580	64	1,020	2,700	3,784
5,963	3,057	9,020	14	10.85	218	10	1,550	0	1,550	65	1,020	2,710	3,795
6,040	3,060	9,100	15	10.91	219	10	1,520	0	1,520	65	1,020	2,720	3,805
5,990	3,060	9,050	16	11.04	220	10	1,510	0	1,510	66	1,020	2,720	3,806
5,839	3,091	8,930	17	11.06	224	10	1,470	0	1,470	66	1,020	2,720	3,806
5,759	3,141	8,900	18	11.03	232	10	1,440	0	1,440	66	1,020	2,740	3,826
5,816	3,134	8,950	19	11.06	232	10	1,440	0	1,440	66	1,030	2,740	3,836
5,855	3,055	8,910	20	11.04	227	10	1,450	0	1,450	66	1,030	2,730	3,826
5,877	3,053	8,930	21	11.06	227	10	1,450	0	1,450	66	1,030	2,730	3,826
5,864	3,096	8,960	22	11.08	213	10	1,450	0	1,450	66	1,030	2,730	3,826

TIONS

1970

SNAKE RIVER RESERVOIR CONTENTS THOUSANDS OF CUBIC FEET	SNAKE RIVER AT NEELEY			LAKE WALCOTT CONTENTS AC. FT.	MINIDOKA CANALS					SNAKE RIVER NEAR MINIDOKA			
	STORED	NORMAL	TOTAL		NORTH	SOUTH	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL	
1,706	0	18,500	18,500	96,400	1,880	1,350	3,230					16,700	16,700
1,697	2,599	11,001	13,600	95,800	1,880	1,340	3,220	494	2,726	2,825	8,275	11,100	11,100
1,689	2,628	10,072	12,700	97,000	1,880	1,350	3,230	504	2,726	1,924	7,346	9,270	9,270
1,686	1,131	11,569	12,700	97,500	1,870	1,360	3,230	504	2,726	797	8,843	9,640	9,640
1,684	828	11,772	12,600	97,000	1,860	1,370	3,230	504	2,726	964	8,546	9,510	9,510
1,680	630	11,870	12,500	97,000	1,860	1,370	3,230	504	2,726	156	9,144	9,300	9,300
1,677	909	11,591	12,500	97,000	1,860	1,400	3,260	534	2,726	385	8,865	9,250	9,250
1,675	1,371	11,229	12,600	97,000	1,860	1,400	3,260	534	2,726	817	8,503	9,320	9,320
1,672	1,701	10,899	12,600	97,600	1,870	1,380	3,250	524	2,726	317	8,173	9,149	9,149
1,666	2,383	9,917	12,300	97,200	1,870	1,380	3,250	524	2,726	2,159	7,191	9,350	9,350
1,659	2,552	9,848	12,400	94,600	1,880	1,400	3,280	554	2,726	2,348	7,122	9,470	9,470
1,654	2,193	10,407	12,600	95,000	1,890	1,410	3,300	574	2,726	1,659	7,681	9,340	9,340
1,644	2,920	9,680	12,600	95,100	1,890	1,410	3,300	574	2,726	2,306	6,954	9,260	9,260
1,631	5,561	7,639	13,100	94,400	1,890	1,430	3,320	1,594	1,726	3,707	5,913	9,620	9,620
1,611	7,364	5,936	13,300	94,700	1,900	1,420	3,320	1,594	1,726	5,410	4,210	9,620	9,620
1,595	9,403	3,897	13,300	94,700	1,900	1,420	3,320	2,823	497	6,260	3,400	9,660	9,660
1,576	8,151	5,099	13,200	95,200	1,900	1,420	3,320	1,621	1,699	6,160	3,400	9,560	9,560
1,556	9,344	3,956	13,300	96,400	1,890	1,420	3,310	2,754	556	6,000	3,400	9,400	9,400
1,539	9,458	3,942	13,400	96,400	1,870	1,420	3,290	2,748	542	6,000	3,400	9,600	9,600
1,517	9,392	3,908	13,300	96,000	1,700	1,410	3,110	2,603	507	6,459	3,401	9,860	9,860
1,499	9,586	2,914	12,500	97,600	1,540	1,370	2,910	2,910	0	6,666	2,914	9,580	9,580
1,483	9,379	2,921	12,300	97,000	1,480	1,360	2,840	2,840	0	6,449	2,921	9,370	9,370
1,466	9,314	2,886	12,200	97,000	1,450	1,360	2,810	2,810	0	6,314	2,886	9,200	9,200
1,451	9,199	2,901	12,100	97,800	1,490	1,350	2,840	2,840	0	6,149	2,901	9,050	9,050
1,436	9,084	2,916	12,000	97,400	1,520	1,340	2,860	2,860	0	6,124	2,916	9,040	9,040
1,418	9,067	2,933	12,000	97,000	1,540	1,340	2,880	2,880	0	6,057	2,933	8,990	8,990
1,405	9,104	2,896	12,000	97,400	1,470	1,330	2,800	2,800	0	6,134	2,896	9,030	9,030
1,387	9,012	2,888	11,900	97,000	1,410	1,290	2,700	2,700	0	6,252	2,888	9,140	9,140
1,374	8,890	2,910	11,800	97,000	1,430	1,220	2,650	2,650	0	6,080	2,910	8,990	8,990
1,356	8,720	2,980	11,700	97,000	1,430	1,160	2,590	2,590	0	5,940	2,980	8,920	8,920
1,340	8,805	2,995	11,800	96,300	1,430	1,160	2,590	2,590	0	6,105	2,995	9,100	9,100
1,328	8,777	3,023	11,800	96,400	1,520	1,220	2,740	2,740	0	5,997	3,023	9,020	9,020
1,305	8,810	2,990	11,800	96,600	1,560	1,300	2,860	2,860	0	5,880	2,990	8,870	8,870
1,290	9,060	2,940	12,000	95,200	1,560	1,280	2,840	2,840	0	5,960	2,940	8,900	8,900
1,278	9,365	2,935	12,300	96,200	1,550	1,280	2,830	2,830	0	5,995	2,935	8,930	8,930
1,267	9,120	2,980	12,100	96,200	1,500	1,340	2,840	2,840	0	5,920	2,980	8,900	8,900
1,249	9,179	3,021	12,200	95,200	1,500	1,330	2,830	2,830	0	6,219	3,021	9,240	9,240
1,236	8,979	3,021	12,000	96,400	1,500	1,320	2,820	2,820	0	6,079	3,021	9,100	9,100
1,223	8,849	3,051	11,900	96,300	1,470	1,320	2,790	2,790	0	5,869	3,051	8,920	8,920
1,207	8,833	3,067	11,900	96,400	1,510	1,330	2,840	2,840	0	5,713	3,067	8,780	8,780
1,192	8,911	3,089	12,000	96,200	1,570	1,340	2,910	2,910	0	5,731	3,089	8,820	8,820
1,173	9,043	3,057	12,100	96,200	1,640	1,330	2,970	2,970	0	5,963	3,057	9,020	9,020
1,159	9,040	3,060	12,100	95,800	1,680	1,340	3,020	3,020	0	6,040	3,060	9,100	9,100
1,142	9,040	3,060	12,100	95,200	1,670	1,370	3,040	3,040	0	5,990	3,060	9,050	9,050
1,127	8,609	3,091	11,700	96,600	1,650	1,370	3,020	3,020	0	5,839	3,091	8,930	8,930
1,112	8,559	3,141	11,700	95,700	1,650	1,370	3,020	3,020	0	5,759	3,141	8,900	8,900
1,097	8,666	3,134	11,800	95,200	1,620	1,380	3,000	3,000	0	5,816	3,134	8,950	8,950
1,082	8,845	3,055	11,900	95,200	1,580	1,370	2,950	2,950	0	5,855	3,055	8,910	8,910
1,067	8,847	3,053	11,900	95,200	1,580	1,340	2,920	2,920	0	5,877	3,053	8,930	8,930
1,053	8,804	3,096	11,900	95,200	1,560	1,320	2,880	2,880	0	5,864	3,096	8,960	8,960

DATA AT AND BETWEEN SNAKE RIVER GAGING STATIONS

24 HOUR SECOND-FEET EXCEPT AS NOTED

TO ST STORERS	VERTICAL BALANCE OF STORAGE AT BLACKFOOT	DATE	BLACK- FOOT RIVER	SNAKE RIVER NEAR BLACKFOOT			BLACKFOOT TO NEELEY		DATE	AMER. FALL RESERVOIR CONTENTS THOUSANDS OF ACRE-FEET
				STORED	NORMAL	TOTAL	CALCUL.	STORED		
							INFLOW	DIVERS.		
		7- 2					2,838		7- 3	1,706
		3				12,300	2,787	298	4	1,697
		4				7,290	2,782	225	5	1,689
		5	160			8,810	2,759	228	6	1,686
		6	255			9,030	2,742	309	7	1,684
	131	7	270	131	9,149	9,280	2,721	312	8	1,680
	218	8	298	218	8,892	9,110	2,699	324	9	1,677
	666	9	291	666	8,544	9,210	2,685	334	10	1,675
	447	10	284	447	8,163	8,610	2,736	293	11	1,672
	577	11	347	577	7,173	7,750	2,744	194	12	1,666
	534	12	361	534	7,136	7,670	2,712	165	13	1,659
	131	13	362	131	7,709	7,840	2,698	270	14	1,654
0	312	14	246	312	6,988	7,300	2,692	283	15	1,644
140	446	15	144	446	4,934	5,380	2,705	281	16	1,631
140	50	16	128	50	3,250	3,300	2,686	285	17	1,611
354	490	17	118	490	1,220	1,710	2,677	278	18	1,595
332	-1,380	18	93	-1,380	2,420	1,040	2,679	223	19	1,576
355	-484	19	88	-484	1,312	828	2,644	232	20	1,556
522	-332	20	97	-332	1,275	943	2,667	283	21	1,539
564	-485	21	76	-485	1,234	749	2,674	285	22	1,517
600	560	22	62	242	242	484	2,672	285	23	1,499
623	488	23	56	582	236	818	2,685	282	24	1,483
637	586	24	56	1,174	236	1,410	2,650	263	25	1,466
570	836	25	76	1,514	256	1,770	2,645	222	26	1,451
600	1,381	26	85	1,665	265	1,930	2,651	212	27	1,436
515	1,518	27	100	2,010	280	2,290	2,653	273	28	1,418
474	1,570	28	49	1,631	229	1,860	2,667	282	29	1,405
450	1,330	29	28	932	208	1,140	2,680	863	30	1,387
400	800	30	34	896	214	1,110	2,696	256	31	1,374
372	631	31	62	1,028	242	1,270	2,738	250	8- 1	1,356
319	676	8- 1	86	1,194	266	1,460	2,729	177	2	1,340
322	688	2	131	1,319	311	1,630	2,712	176	3	1,328
408	1,183	3	105	1,665	285	1,950	2,695	190	4	1,305
302	1,432	4	60	1,170	340	1,410	2,700	176	5	1,290
236	2,052	5	41	757	221	978	2,715	226	6	1,278
233	1,483	6	88	1,052	268	1,320	2,712	224	7	1,267
214	1,503	7	129	1,511	309	1,820	2,712	211	8	1,249
107	1,528	8	137	1,823	317	2,140	2,704	192	9	1,236
77	1,434	9	145	2,065	325	2,390	2,726	195	10	1,225
59	1,808	10	148	2,362	328	2,690	2,739	207	11	1,207
37	1,924	11	178	1,832	358	2,190	2,731	219	12	1,190
31	2,545	12	154	1,266	334	1,600	2,723	230	13	1,175
35	2,112	13	137	1,003	317	1,320	2,743	235	14	1,159
19	1,921	14	143	987	323	1,310	2,737	214	15	1,142
13	2,274	15	165	1,045	345	1,390	2,746	173	16	1,127
12	1,835	16	215	1,475	395	1,870	2,746	179	17	1,112
24	2,641	17	211	1,929	391	2,320	2,743	236	18	1,097
34	2,690	18	227	1,893	307	2,200	2,748	242	19	1,082
1,234	1,656	19	207	1,623	387	2,010	2,666	244	20	1,067
1,208	1,577	20	158	1,482	338	1,820	2,758	243	21	1,053

DAILY SEGREGATION OF DATA

HEISE & RILEY			STORED INFLOW HENRYS FORK	HEISE TO SHELLEY		DATE	SNAKE RIVER NEAR SHELLEY			SHELLEY TO BLACKFOOT		TOTAL STORAGE BLACKFOOT
				STORED LOSS	STORED DIVERS.		STORED	NORMAL	TOTAL	STORED LOSS	STORED DIVERS.	
						7-						
						1						
						2						
						3						
						4						
						5						
146	16,287	16,433		7		6	139	12,061	12,200	8		
244	16,489	16,733		12		7	232	12,468	12,700	14		
744	15,189	15,933		36		8	708	11,692	12,400	42		
500	15,332	15,832		24		9	476	11,524	12,000	29		
646	14,284	14,930		32		10	614	10,186	10,800	37		
597	13,330	13,927		29		11	568	9,432	10,000	34		
146	13,281	13,427		7		12	139	9,771	9,910	8		
348	13,089	13,437		17		13	331	9,599	9,930	19	0	
646	12,591	13,237		32		14	614	8,596	9,210	28	140	
97	11,938	12,035	101	5		15	193	7,197	7,390	3	140	
790	10,546	11,336	124	39	0	16	875	4,575	5,450	31	354	
1,290	10,044	11,334	96	63	2,293	17	-970	5,370	4,400	78	332	-1,3
2,290	9,545	11,835	90	111	2,371	18	-102	4,322	4,220	27	355	-3
2,791	9,645	12,436	77	136	2,523	19	209	4,261	4,470	19	522	-3
2,889	9,847	12,736	-44	141	2,598	20	106	4,634	4,740	27	564	-4
3,889	8,849	12,738	186	190	2,689	21	1,196	3,104	4,300	36	600	5
3,986	8,852	12,838	210	195	2,859	22	1,142	3,268	4,410	31	623	4
4,730	8,505	13,235	197	231	3,435	23	1,261	3,649	4,910	38	637	5
4,730	8,405	13,135	61	231	3,101	24	1,459	4,051	5,510	53	570	8
4,180	7,955	12,135	126	204	2,033	25	2,069	3,291	5,360	88	600	1,3
4,473	7,662	12,135	220	218	2,346	26	2,129	3,411	5,540	96	515	1,5
4,522	7,612	12,134	156	221	2,313	27	2,144	3,436	5,580	100	474	1,5
4,473	7,762	12,235	369	218	2,759	28	1,865	2,735	4,600	85	450	1,3
4,376	7,759	12,135	-130	214	2,781	29	1,251	3,179	4,430	51	400	8
4,230	7,970	12,200	-215	206	2,743	30	1,066	3,464	4,530	63	372	6
4,132	8,099	12,231	-240	202	2,652	31	1,038	3,592	4,630	43	319	
4,230	8,001	12,231	-147	206	2,823	8- 1	1,054	3,606	4,660	44	322	6
4,868	7,363	12,231	-140	237	2,825	2	1,666	3,214	4,880	75	408	1,1
4,771	7,460	12,131	-128	233	2,585	3	1,825	3,085	4,910	91	302	1,4
5,221	6,609	11,830	22	254	2,570	4	2,419	1,871	4,290	131	236	2,0
5,219	6,416	11,635	14	254	3,171	5	1,808	2,420	4,230	92	233	1,4
5,680	6,155	11,835	-434	278	3,155	6	1,813	2,817	4,630	96	214	1,5
5,648	6,281	11,929	-551	276	3,089	7	1,732	2,998	4,730	97	107	1,5
5,463	6,365	11,828	-513	266	3,082	8	1,602	3,158	4,760	91	77	1,4
5,559	6,068	11,627	-483	296	2,798	9	1,982	3,128	5,110	115	59	1,8
5,205	6,328	11,533	-480	308	2,333	10	2,084	2,946	5,030	123	37	1,9
5,708	5,522	11,230	-380	279	2,310	11	2,739	1,731	4,470	163	31	2,5
5,364	6,566	11,930	-355	262	2,465	12	2,282	1,878	4,160	135	35	2,1
5,365	5,663	11,028	-354	262	2,686	13	2,063	2,017	4,080	123	19	1,9
5,806	5,124	10,930	-387	284	2,703	14	2,432	1,648	4,080	145	13	2,2
5,316	5,614	10,930	-334	259	2,759	15	1,964	2,216	4,180	117	12	1,8
5,865	5,065	10,930	-229	286	2,517	16	2,833	1,767	4,600	168	24	2,6
5,807	5,123	10,930	-201	284	2,426	17	2,896	1,854	4,750	172	34	2,6
5,944	4,886	10,830	-203	290	2,456	18	2,995	1,595	4,590	105	1,234	1,6
5,643	4,885	10,528	-236	275	2,247	19	2,885	1,575	4,460	100	1,208	1,5

JACKSON LAKE CONTENTS AC. FT.	SNAKE RIVER AT MORAN			STORED LOSS MORAN TO ALPINE	DATE	SNAKE RIVER NEAR ALPINE			PALISADES RESERVOIR CONTENTS THOUSANDS ACRE-FEET	SNAKE RIVER NEAR IRWIN		
	STORED	NORMAL	TOTAL			STORED	NORMAL	TOTAL		STORED	NORMAL	TOTAL
850,000					6-30				1,394			
850,600					7- 1				1,394			
850,000					2				1,401			
849,300					3				1,404			
849,300	0				4				1,404			
849,000	150	4,370	4,520	3	5	147	12,053	12,200	1,404	147	15,953	24,700
848,500	250	3,760	4,010	4	6	246	11,554	11,800	1,404	246	15,654	25,700
848,000	250	3,360	3,610	4	7	246	11,254	11,500	1,403	750	14,550	25,300
848,000	0	3,600	3,600	0	8	0	10,800	10,800	1,402	504	14,596	25,700
847,700	150	3,200	3,350	3	9	147	10,053	10,200	1,400	651	13,349	24,300
847,500	100	3,030	3,130	2	10	98	9,552	9,650	1,400	602	12,498	23,300
847,200	150	2,690	2,840	3	11	147	9,203	9,350	1,400	147	12,653	22,900
847,500	-150	2,980	2,830	3	12	-153	9,257	9,110	1,399	351	12,443	22,700
847,200	150	2,680	2,830	3	13	147	8,713	8,860	1,398	651	11,749	22,400
847,000	100	2,730	2,830	2	14	98	8,422	8,520	1,398	98	11,202	22,300
845,400	810	2,010	2,820	14	15	796	7,314	8,110	1,398	796	10,004	22,900
843,700	810	2,000	2,810	14	16	796	6,904	7,700	1,397	1,300	9,700	22,000
842,100	810	2,000	2,810	14	17	796	6,724	7,520	1,394	2,308	9,292	22,000
840,600	810	2,000	2,810	14	18	796	6,664	7,460	1,390	2,813	9,187	22,000
838,800	910	1,910	2,820	15	19	895	6,435	7,330	1,386	2,912	9,588	22,700
837,000	910	1,910	2,820	15	20	895	6,305	7,200	1,380	3,920	8,480	22,400
835,000	1,010	1,810	2,820	17	21	993	5,997	6,990	1,374	4,018	8,582	22,000
832,500	1,260	1,560	2,820	21	22	1,239	5,801	7,040	1,367	4,768	8,232	22,000
829,700	1,260	1,550	2,810	21	23	1,239	5,541	6,780	1,360	4,768	8,132	22,400
827,600	1,210	1,600	2,810	21	24	1,189	5,331	6,520	1,354	4,214	7,786	22,000
824,600	1,510	1,290	2,800	26	25	1,484	4,836	6,320	1,348	4,509	7,391	22,900
821,500	1,560	1,210	2,770	27	26	1,533	4,707	6,240	1,342	4,558	7,442	22,000
818,500	1,510	1,260	2,770	26	27	1,484	4,756	6,240	1,235	4,509	7,391	22,400
815,700	1,410	1,360	2,770	24	28	1,386	4,784	6,170	1,330	4,411	7,489	22,700
813,200	1,260	1,510	2,770	21	29	1,239	5,181	6,420	1,324	4,264	7,636	22,900
810,900	1,160	1,600	2,760	20	30	1,140	5,260	6,400	1,318	4,165	7,735	22,900
808,400	1,260	1,500	2,760	21	31	1,239	5,081	6,320	1,312	4,264	7,636	22,900
805,600	1,410	1,330	2,740	24	8- 1	1,386	4,684	6,070	1,305	4,915	6,985	22,900
802,000	1,310	1,430	2,740	22	2	1,288	4,592	5,880	1,298	4,817	6,883	22,700
798,500	1,770	950	2,720	30	3	1,740	3,970	5,710	1,291	5,269	6,231	22,700
795,000	1,770	940	2,710	30	4	1,740	3,870	5,610	1,284	5,269	6,131	22,400
791,800	1,730	1,980	2,710	29	5	1,701	3,819	5,520	1,276	5,734	5,866	22,400
788,200	1,700	1,000	2,700	29	6	1,671	3,849	5,520	1,268	5,704	5,896	22,400
785,200	1,510	1,190	2,700	26	7	1,484	3,896	5,380	1,260	5,517	5,883	22,400
782,000	1,610	1,090	2,700	27	8	1,583	3,687	5,270	1,252	5,616	5,684	22,300
778,500	1,760	930	2,690	30	3	1,730	3,560	5,290	1,245	5,259	5,841	22,100
775,000	1,760	930	2,690	30	10	1,730	3,360	5,090	1,237	5,763	5,037	22,000
771,200	1,920	760	2,680	33	11	1,887	3,133	5,020	1,230	5,416	5,184	22,400
767,200	1,920	730	2,650	33	12	1,887	2,983	4,870	1,223	5,416	5,184	22,400
763,700	1,860	790	2,650	32	13	1,828	2,982	4,810	1,215	5,861	4,839	22,700
760,000	1,870	770	2,640	32	14	1,838	2,922	4,760	1,208	5,367	5,333	22,700
756,000	1,920	720	2,640	33	15	1,887	2,833	4,720	1,200	5,920	4,780	22,700
752,500	1,860	770	2,630	32	16	1,828	2,852	4,680	1,192	5,861	4,839	22,700
748,800	2,000	620	2,620	34	17	1,966	2,674	4,640	1,184	5,999	4,501	22,500
745,000	2,200	410	2,610	37	18	2,163	2,363	4,530	1,177	5,696	4,504	22,200

PLATE NO. 13

Canal Company			Twin Falls Canal Company			Milner Low Lift			SNAKE RIVER AT Milner		
Total	Stored	Norm.	Stored	Normal	Total	Stored	Norm.	Total	Stored	Norma	Total
3,816	3,457	359	1,047	2,693	3,740	225	0	225	14	0	14
3,817	3,459	358	1,044	2,686	3,730	215	0	215	16	0	16
3,817	3,455	362	997	2,723	3,720	221	0	221	16	0	16
3,807	3,445	362	1,012	2,718	3,730	224	0	224	15	0	15
3,818	3,458	360	1,013	2,707	3,720	224	0	224	154	0	154
3,808	3,447	361	1,006	2,714	3,720	224	0	224	304	0	304
3,808	3,449	359	982	2,698	3,680	224	0	224	304	0	304
3,808	3,447	361	970	2,710	3,680	224	0	224	307	0	307
3,798	3,436	362	900	2,720	3,620	224	0	224	304	0	304
3,706	3,338	368	737	2,763	3,500	224	0	224	310	0	310
3,656	3,285	371	674	2,786	3,460	224	0	224	310	0	310
3,582	3,207	375	562	2,818	3,380	216	0	216	318	0	318
3,452	3,064	388	465	2,835	3,300	213	0	213	318	0	318
3,460	3,074	386	334	2,896	3,230	209	0	209	315	0	315
3,290	2,903	387	222	2,908	3,130	199	0	199	315	0	315
3,230	2,830	400	0	2,910	2,910	196	0	196	315	0	315
3,159	2,759	400	0	2,750	2,750	166	0	166	315	0	315
2,969	1,094	1,875	0	2,700	2,700	153	0	153	313	0	313
2,878	465	2,413	0	2,660	2,660	150	0	150	313	0	313
2,741	267	2,474	0	2,590	2,590	136	0	136	304	0	304
2,751	1,237	1,514	0	2,600	2,600	125	0	125	304	0	304
2,741	1,173	1,568	0	2,560	2,560	122	0	122	307	0	307
2,651	1,496	1,155	0	2,430	2,430	115	0	115	307	0	307
2,641	1,782	859	0	2,370	2,370	110	0	110	310	0	310
2,471	880	1,591	0	2,210	2,210	110	0	110	310	0	310
2,391	567	1,824	0	2,080	2,080	110	0	110	307	0	307
2,381	1,123	1,258	0	2,080	2,080	110	0	110	307	0	307
2,361	860	1,501	0	2,040	2,040	110	0	110	304	0	304
2,361	1,568	793	0	2,040	2,040	110	0	110	304	0	304
2,301	1,388	913	0	2,040	2,040	103	0	103	304	0	304
2,259	1,463	796	0	1,980	1,980	96	0	96	301	0	301
2,149	1,432	717	0	1,900	1,900	91	0	91	301	0	301
1,955	302	1,653	0	1,890	1,890	91	0	91	304	0	304
1,923	0	1,923	0	1,900	1,900	0	91	91	307	0	307
1,798	0	1,798	0	1,900	1,900	0	81	81	307	0	307
1,738	0	1,738	0	1,880	1,880	0	81	81	304	0	304
1,735	0	1,735	0	1,750	1,750	0	87	87	296	0	296
1,885	0	1,885	0	1,700	1,700	0	89	89	290	0	290
1,936	0	1,936	0	1,660	1,660	0	84	84	285	0	285
1,882	0	1,882	0	1,640	1,640	0	80	80	424	0	424
1,876	480	1,396	0	1,690	1,690	79	0	79	563	0	563
1,872	423	1,449	0	1,860	1,860	77	0	77	563	0	563
1,876	347	1,529	0	1,740	1,740	70	0	70	567	0	567
1,876	402	1,474	0	1,610	1,610	67	0	67	571	0	571
1,866	335	1,531	0	1,620	1,620	67	0	67	598	0	598
1,791	979	812	0	1,630	1,630	67	0	67	598	0	598
1,798	67	1,731	0	1,510	1,510	59	0	59	594	0	594
1,770	0	1,770	0	1,400	1,400	0	52	52	590	0	590
1,163	0	1,163	0	1,270	1,270	0	49	49	1,360	0	1,360

204,067

52,625

16,405

19,229

RIVER		Date	Milner Lake Gage Feet	Minidoka North Side Pump Stored	Minor Divers. Neeley to Milner Stored	GOODING PROJECT			North Side Canal Company				
Total	Total					Stored	Normal	Total	P.A.	Gooding	Main	Total	Stored
852	8,910	8-23	11.06	213	10	1,450	0	1,450	66	1,030	2,720	3,816	3,457
854	8,860	24	11.16	198	10	1,450	0	1,450	67	1,030	2,720	3,817	3,459
855	8,810	25	11.18	206	10	1,450	0	1,450	67	1,030	2,720	3,817	3,455
880	8,740	26	11.06	206	10	1,460	0	1,460	67	1,030	2,710	3,807	3,445
867	9,000	27	11.16	206	10	1,460	0	1,460	68	1,030	2,720	3,818	3,458
875	9,190	28	11.20	200	10	1,460	0	1,460	68	1,020	2,720	3,808	3,447
857	9,080	29	11.14	187	10	1,470	0	1,470	68	1,020	2,720	3,808	3,449
871	9,080	30	11.20	187	15	1,470	0	1,470	68	1,020	2,720	3,808	3,447
882	9,020	31	11.21	187	5	1,480	0	1,480	68	1,010	2,720	3,798	3,436
831	8,850	9-1	11.20	165	5	1,440	0	1,440	66	1,010	2,630	3,706	3,338
857	8,530	2	11.18	155	5	1,420	0	1,420	66	1,000	2,590	3,656	3,285
893	8,250	3	11.02	148	5	1,420	0	1,420	62	1,000	2,520	3,582	3,207
813	7,940	4	10.64	131	5	1,420	0	1,420	62	990	2,400	3,452	3,064
882	7,980	5	10.55	115	5	1,430	0	1,430	60	990	2,410	3,460	3,074
895	8,080	6	10.65	115	5	1,430	0	1,430	60	990	2,240	3,290	2,903
800	7,950	7	10.80	104	5	1,390	0	1,390	60	990	2,180	3,230	2,830
850	7,400	8	10.86	87	5	1,360	0	1,360	59	1,000	2,100	3,159	2,759
875	7,120	9	10.70	75	5	1,340	0	1,340	59	1,000	1,910	2,969	1,094
873	6,870	10	10.66	64	5	1,320	0	1,320	58	990	1,830	2,878	465
864	6,430	11	10.40	61	5	1,320	0	1,320	51	980	1,710	2,741	267
814	6,620	12	10.40	58	5	1,320	0	1,320	51	980	1,720	2,751	1,237
828	6,560	13	10.30	58	5	1,320	0	1,320	51	980	1,710	2,741	1,173
885	6,680	14	10.28	58	5	1,330	0	1,330	51	980	1,620	2,651	1,496
829	6,600	15	10.48	64	5	1,320	0	1,320	51	980	1,610	2,641	1,722
870	6,270	16	10.51	76	5	1,320	0	1,320	51	980	1,440	2,471	880
804	5,960	17	10.51	80	5	1,320	0	1,320	51	970	1,370	2,391	567
838	5,700	18	10.40	80	5	1,320	0	1,320	51	970	1,360	2,381	1,123
841	5,650	19	10.22	70	5	1,280	0	1,280	51	970	1,340	2,361	860
833	5,600	20	10.18	70	5	1,240	0	1,240	51	970	1,280	2,361	1,568
853	5,590	21	10.18	70	5	1,250	0	1,250	51	970	1,280	2,301	1,388
876	5,410	22	10.20	56	5	1,250	0	1,250	49	950	1,260	2,259	1,463
817	5,280	23	10.12	56	5	1,190	0	1,190	49	950	1,150	2,149	1,432
843	5,350	24	10.26	61	5	1,160	0	1,160	49	950	956	1,955	302
846	5,070	25	10.43	61	5	1,084	66	1,150	45	950	928	1,923	0
826	4,680	26	10.32	58	5	876	274	1,150	41	950	807	1,798	0
882	4,510	27	10.22	58	5	658	492	1,150	41	950	747	1,738	0
864	4,500	28	10.12	55	5	564	596	1,160	41	950	744	1,735	0
883	4,500	29	10.04	52	5	606	554	1,160	38	950	897	1,885	0
803	4,330	30	9.80	52	5	948	212	1,160	38	950	948	1,936	0
874	4,330	10-1	9.52	52	0	1,078	72	1,150	0	950	932	1,882	0
886	4,620	2	9.50	52	0	778	372	1,150	0	960	916	1,876	480
809	4,760	3	9.34	50	0	1,150	0	1,150	0	960	912	1,872	423
869	4,920	4	9.30	50	0	1,150	0	1,150	0	960	916	1,876	347
884	5,120	5	9.30	61	0	1,150	0	1,150	0	960	916	1,876	402
851	4,920	6	9.32	65	0	1,150	0	1,150	0	950	916	1,866	335
842	4,750	7	9.34	65	0	1,150	0	1,150	0	960	831	1,791	979
841	4,690	8	9.42	66	0	1,150	0	1,150	0	960	838	1,798	67
821	4,680	9	9.27	60	0	1,100	50	1,150	0	950	820	1,770	0
800	4,770	10	9.48	56	0	0	590	590	0	990	273	1,163	0
				18,591	710	132,449			204,067				

RIVER GAGING STATIONS

1970

AS NOTED

Falls Reservoir Contents Thousands of Ac. Ft.	Snake River at Neeley			Lake Walcott Contents Ac. Ft.	MINIDOKA CANALS					SNAKE RIVER NEAR MINIDOKA		
	Stored	Normal	Total		North	South	Total	Stor.	Normal	Stored	Normal	Total
037	8,848	3,052	11,900	95,200	1,520	1,290	2,810	2,810	0	5,858	3,052	8,910
1,014	8,656	3,044	11,700	96,400	1,530	1,250	2,780	2,780	0	5,816	3,044	8,860
1,009	8,515	3,085	11,600	96,600	1,580	1,280	2,860	2,860	0	5,725	3,085	8,810
992.5	8,520	3,080	11,600	96,400	1,590	1,320	2,910	2,910	0	5,660	3,080	8,740
976.8	8,933	3,067	12,000	95,200	1,610	1,330	2,940	2,940	0	5,933	3,067	9,000
961.0	9,925	3,075	13,000	95,200	1,630	1,340	2,970	2,970	0	6,115	3,075	9,190
946.4	8,943	3,057	12,000	97,400	1,610	1,270	2,880	2,880	0	6,023	3,057	9,080
931.3	8,729	3,071	11,800	97,400	1,520	1,210	2,730	2,730	0	6,009	3,071	9,080
917.9	8,418	3,082	11,500	97,600	1,420	1,160	2,580	2,580	0	5,938	3,082	9,020
906.2	7,969	3,131	11,100	97,400	1,420	1,140	2,560	2,560	0	5,719	3,131	8,850
893.9	7,543	3,157	10,700	97,400	1,370	1,120	2,490	2,490	0	5,373	3,157	8,530
883.7	6,777	3,193	9,970	97,000	1,170	1,060	2,230	2,230	0	5,057	3,193	8,250
875.1	6,517	3,213	9,730	95,800	1,120	1,020	2,140	2,140	0	4,727	3,213	7,940
858.3	6,438	3,282	9,720	95,800	1,110	1,000	2,110	2,110	0	4,698	3,282	7,980
856.8	6,375	3,295	9,670	95,200	1,000	919	1,919	1,919	0	4,785	3,295	8,080
846.9	5,078	4,152	9,230	95,200	773	802	1,575	823	752	4,550	3,400	7,950
846.9	4,396	4,044	8,440	95,300	710	710	1,420	526	894	4,250	3,150	7,400
847.7	2,014	5,886	7,900	95,200	684	627	1,311	0	1,311	2,545	4,575	7,120
846.9	1,200	6,360	7,560	95,200	686	601	1,287	0	1,287	1,597	5,073	6,670
843.1	1,081	6,349	7,430	95,200	686	599	1,285	0	1,285	1,366	5,064	6,430
843.8	2,228	5,472	7,700	94,800	704	654	1,358	0	1,358	2,506	4,114	6,620
843.1	2,438	5,532	7,970	95,000	720	684	1,404	0	1,404	2,532	4,128	6,660
829.0	3,124	4,926	8,050	94,800	716	625	1,341	0	1,341	3,095	3,585	6,680
824.4	3,169	4,581	7,750	95,000	716	636	1,352	0	1,352	3,371	3,229	6,600
820.7	2,290	5,160	7,450	95,200	718	641	1,359	0	3,801	2,469	6,270	6,270
816.6	1,828	5,242	7,070	95,200	716	622	1,338	0	1,338	2,056	3,904	5,960
815.1	1,985	4,705	6,690	95,200	750	617	1,367	0	1,367	2,362	3,338	5,700
812.9	1,699	4,911	6,610	95,200	766	604	1,370	0	1,370	2,109	3,541	5,650
808.5	2,387	4,203	6,590	94,400	766	604	1,370	0	1,370	2,767	2,833	5,600
805.5	2,173	4,307	6,480	95,200	761	593	1,354	0	1,354	2,637	2,953	5,590
803.6	2,210	3,990	6,200	94,400	680	534	1,214	0	1,214	2,634	2,776	5,410
800.7	3,435	3,685	6,120	95,200	604	464	1,068	0	1,068	2,663	2,617	5,280
796.6	1,272	4,558	5,830	95,200	570	445	1,015	0	1,015	1,807	3,543	5,350
802.2	486	4,994	5,480	94,200	550	398	948	0	948	1,024	4,046	5,070
802.2	152	5,238	5,390	95,200	548	364	912	0	912	354	4,326	4,680
804.4	-336	5,606	5,270	95,200	548	376	924	0	924	-172	4,682	4,510
806.2	-484	5,684	5,200	95,200	548	372	920	0	920	-264	4,764	4,500
808.5	-782	5,802	5,020	95,400	612	407	1,019	0	1,019	-283	4,783	4,500
810.0	-343	5,283	4,940	95,200	678	502	1,180	0	1,180	227	4,103	4,330
810.7	322	5,008	5,330	93,800	718	544	1,262	0	1,262	584	3,746	4,330
810.7	1,261	4,389	5,650	93,300	759	544	1,303	0	1,303	1,534	3,086	4,620
809.2	1,237	4,673	5,910	93,100	797	567	1,364	0	1,364	1,451	3,309	4,760
808.1	1,482	4,638	6,120	93,300	781	588	1,369	0	1,369	1,651	3,269	4,920
804.4	2,020	4,420	6,440	92,900	748	588	1,336	0	1,336	2,036	3,084	5,120
800.0	1,755	4,475	6,230	93,100	731	593	1,324	0	1,324	1,769	3,151	4,920
798.5	2,353	3,717	6,070	93,100	692	583	1,275	0	1,275	2,308	2,442	4,750
796.6	1,653	4,407	6,060	93,100	650	516	1,166	0	1,166	1,449	3,241	4,690
796.6	1,542	4,358	5,900	94,700	582	455	1,037	0	1,037	1,359	3,321	4,680
796.6	977	4,753	5,730	94,700	551	402	953	0	953	970	3,800	4,770

ON OF DATA AT AND BETWEEN SNAKE RIVER
24 HOUR SECOND - FEET EXCEPT AS NOTED

Theoretical Balance of Storage at Blackfoot	Date	Black- foot River	Snake River near Blackfoot			Blackfoot to Neeley		Date	Am. Falls Reservoir Contents Thousands of Ac. Ft.	
			Stored	Normal	Total	Calculated Inflow	Stored Diversions		Ac. Ft.	Cfs
1,459	8-21	125	1,295	305	1,600	2,747	240	22	1,037	8
1,275	22	109	1,231	289	1,520	2,755	183	23	1,014	8
833	23	142	1,368	322	1,690	2,763	178	24	1,009	8
1,486	24	131	1,679	311	1,990	2,769	238	25	992.5	8
1,161	25	106	1,544	286	1,830	2,781	253	26	976.8	8
1,651	26	104	1,296	284	1,580	2,791	253	27	961.0	9
1,145	27	71	1,239	251	1,490	2,806	248	28	946.4	8
1,195	28	53	1,257	233	1,490	2,838	243	29	931.3	8
1,059	29	56	1,364	236	1,600	2,846	213	30	917.9	8
1,813	30	96	1,814	276	2,090	2,855	194	31	906.2	7
1,436	31	107	2,003	287	2,290	2,870	213	9- 1	893.9	7
1,844	9- 1	118	1,882	298	2,180	2,895	211	2	883.7	6
1,539	2	123	1,977	303	2,280	2,910	213	3	875.1	6
2,098	3	176	2,264	356	2,620	2,926	195	4	858.3	6
1,942	4	172	2,648	352	3,000	2,943	188	5	856.8	6
1,274	5	144	1,894	1,186	3,080	2,966	141	6	846.9	5
2,963	6	196	2,963	1,057	4,020	2,987	139	7	846.9	4
1,830	7	248	1,830	2,900	4,730	2,986	149	8	847.7	2
1,147	8	244	1,147	3,393	4,540	2,967	131	9	846.9	1
991	9	244	991	3,379	4,370	2,970	131	10	843.1	1
1,579	10	268	1,579	2,501	4,080	2,971	135	11	843.8	2
893	11	264	893	2,567	3,460	2,965	133	12	843.1	2
956	12	258	956	1,934	2,890	2,992	125	13	829.0	3
1,403	13	288	1,403	1,577	2,980	3,004	117	14	824.4	3
944	14	300	944	2,156	3,100	3,004	108	15	820.7	2
762	15	324	762	2,248	3,010	2,994	109	16	816.6	1
1,166	16	317	1,166	1,724	2,890	2,981	115	17	815.1	1
762	17	339	762	1,958	2,720	2,953	118	18	812.9	1
1,246	18	308	1,246	1,264	2,510	2,939	120	19	808.5	2
850	19	238	850	1,370	2,220	2,937	128	20	805.5	2
1,034	20	206	1,034	1,056	2,090	2,934	139	21	803.6	2
1,559	21	239	1,559	731	2,290	2,954	132	22	800.7	3
1,025	22	328	1,025	1,585	2,610	2,973	108	23	796.6	1
937	23	389	937	2,013	2,950	2,981	96	24	802.2	1
762	24	465	762	2,238	3,000	3,000	93	25	802.2	1
762	25	564	762	2,608	3,370	2,998	93	26	804.4	1
762	26	492	762	2,678	3,440	3,006	93	27	806.2	1
588	27	456	588	2,792	3,380	3,010	84	28	808.5	1
1,068	28	386	1,068	2,272	3,340	3,011	80	29	810.0	1
1,025	29	336	1,025	2,015	3,040	2,993	82	30	810.7	1
1,385	30	211	1,385	1,395	2,780	2,994	80	10- 1	810.7	1
937	10- 1	178	937	1,683	2,620	2,990	98	2	809.2	1
762	2	175	762	1,648	2,410	2,990	102	3	808.1	1
850	3	151	850	1,430	2,280	2,990	100	4	804.4	2
675	4	144	675	1,485	2,160	2,990	101	5	800.0	1
1,343	5	157	1,343	727	2,070	2,990	98	6	798.5	2
713	6	223	713	1,417	2,130	2,990	100	7	796.6	1
1,002	7	286	1,002	1,368	2,370	2,990	95	8	796.6	1
757	8	490	767	1,763	2,530	2,990	92	9	795.5	1

DAILY SEGREGATION

Weise and Riley			Stored Inflow Henrys Fork	Heise to Shelley		Date	Snake River near Shelley			Shelley TO Blackfoot		Theoretical Balance Storage Blackfoot
Stored	Normal	Total		Stored Loss	Stor. Divers.		Stored	Normal	Total	Loss	Divers.	
5,737	4,491	10,228	-158	280	2,114	8- 20	3,185	1,175	4,360	93	1,633	1,45
5,638	4,392	10,030	-159	275	2,186	21	3,018	1,312	4,330	81	1,662	1,27
5,040	4,980	10,020	-119	246	2,081	22	2,594	1,856	4,450	53	1,708	83
5,540	4,338	9,878	-118	270	1,867	23	3,285	1,355	4,640	95	1,704	1,48
5,042	4,865	9,907	-110	246	1,739	24	2,947	1,833	4,780	74	1,712	1,16
5,542	4,265	9,807	- 71	270	1,747	25	3,454	1,156	4,610	105	1,698	1,65
5,046	4,581	9,627	-71	246	1,813	26	2,916	1,534	4,450	73	1,698	1,14
5,046	4,551	9,597	-43	246	1,824	27	2,933	1,467	4,400	76	1,662	1,19
4,947	4,720	9,667	-42	241	1,866	28	2,798	1,612	4,410	68	1,671	1,05
4,654	4,833	9,487	-51	237	1,864	29	2,502	2,168	4,670	115	574	1,81
3,959	5,468	9,427	- 7	193	1,702	30	2,057	2,833	4,890	91	530	1,43
4,252	5,033	9,285	-38	208	1,526	31	2,480	2,250	4,730	118	518	1,84
3,951	5,192	9,143	-11	193	1,603	9- 1	2,144	2,586	4,730	98	507	1,53
4,451	4,525	8,976	41	217	1,593	2	2,682	2,208	4,890	134	450	2,09
4,354	4,551	8,905	-110	212	1,515	3	2,517	2,653	5,170	124	451	1,94
3,255	5,379	8,634	-228	158	1,462	4	1,407	3,793	5,200	81	52	1,27
4,158	4,163	8,321	-189	202	589	5	3,178	2,172	5,350	189	26	2,96
2,462	5,630	8,092	53	120	413	6	1,982	3,968	5,950	117	35	1,83
1,212	6,224	7,436	225	59	152	7	1,226	4,814	6,040	73	6	1,1
1,212	5,873	7,085	3	59	101	8	1,055	4,685	5,740	63	1	99
1,908	5,132	7,040	-40	93	91	9	1,684	3,986	15,670	101	4	1,57
950	5,450	6,400	105	46	57	10	952	4,108	5,060	57	2	59
952	4,728	5,680	121	46	10	11	1,017	3,463	4,480	61	0	95
1,450	4,000	5,450	113	71		12	1,492	2,738	4,230	89		1,40
950	4,500	5,450	100	46		13	1,004	3,246	4,250	60		94
853	4,657	5,510		42		14	811	3,409	4,220	49		76
1,304	4,206	5,510		64		15	1,240	2,870	4,110	74		1,16
853	4,657	5,510		42		16	811	3,159	3,970	49		76
1,353	4,165	5,518		46		17	1,325	2,475	3,800	79		1,24
950	4,568	5,518		56		18	904	2,726	3,630	54		85
1,156	4,332	5,488		56		19	1,100	2,350	3,450	66		1,03
1,743	3,775	5,518		85		20	1,658	1,802	3,460	99		1,55
1,146	4,402	5,548		56		21	1,090	2,620	3,710	65		1,02
1,048	4,470	5,518		51		22	997	2,843	3,840	60		93
853	4,665	5,518		42		23	811	3,129	3,940	49		76
853	4,665	5,518		42		24	811	3,259	4,070	49		76
853	4,664	5,517		42		25	811	3,359	4,170	49		76
658	4,778	5,436		32		26	626	3,594	4,220	38		58
1,194	4,182	5,376		58		27	1,136	3,094	4,230	68		1,06
1,146	4,201	5,347		56		28	1,090	3,140	4,230	65		1,02
1,548	3,799	5,347		75		29	1,473	2,597	4,070	88		1,38
1,048	4,299	5,347		51		30	997	2,953	3,950	60		93
853	4,324	5,177		42		10- 1	811	2,949	3,760	49		76
950	4,117	5,067		46		2	904	2,676	3,580	54		85
755	4,312	5,067		37		3	718	2,782	3,500	43		67
1,502	3,513	5,015		73		4	1,429	1,961	3,390	86		1,34
798	4,167	4,965		39		5	759	2,511	3,270	46		71
1,121	3,704	4,825		55		6	1,066	2,304	3,370	64		1,10
858	3,962	4,820		42		7	816	2,474	3,290	49		75
281,671			-4,939	13,792	120,401	TOTAL	142,539			7,012	30,876	104,55

Jackson Lake Contents Ac. Ft.	Snake River at Moran			Stored Loss Moran to Alpin.	Date	Snake River Near Alpine			Palisades Reservoir Contents Thousands Ac. Ft.	Snake River Near Irwin		
	Stored	Normal	Total			Stored	Normal	Total		Stored	Normal	Total
38,900	2,300	310	2,610	39	19	2,261	2,209	4,470	1,170	5,790	4,170	9,960
34,900	2,200	410	2,610	37	20	2,163	2,327	4,490	1,163	5,692	4,168	9,860
731,400	2,100	520	2,620	36	21	2,066	2,386	4,450	1,157	5,089	4,651	9,740
727,500	2,100	500	2,600	36	22	2,064	2,346	4,410	1,150	5,593	4,067	9,660
723,800	2,100	500	2,600	36	23	2,064	2,306	4,370	1,144	5,089	4,611	9,700
720,100	2,100	480	2,580	36	24	2,064	2,236	4,300	1,137	5,593	3,947	9,540
716,200	2,100	510	2,610	36	25	2,064	2,256	4,320	1,131	5,089	4,301	9,390
710,300	2,100	530	2,630	36	26	2,064	2,196	4,260	1,125	5,089	4,281	9,370
707,100	2,000	630	2,630	34	27	1,966	2,294	4,260	1,119	4,991	4,249	9,240
703,900	1,700	920	2,620	29	28	1,671	2,779	4,450	1,113	4,696	4,604	9,300
701,400	1,500	1,120	2,620	26	29	1,474	3,056	4,530	1,108	3,995	5,105	9,100
697,500	1,800	820	2,620	31	30	1,769	2,661	4,430	1,103	4,290	4,630	8,920
693,600	2,000	610	2,610	34	31	1,966	2,404	4,370	1,099	3,983	4,737	8,720
689,700	2,000	600	2,600	34	9- 1	1,966	2,464	4,430	1,094	4,487	4,093	8,580
686,500	1,900	680	2,580	32	2	1,868	2,542	4,410	1,089	4,389	4,041	8,430
683,400	1,800	780	2,580	31	3	1,769	2,621	4,390	1,086	3,281	4,759	8,040
679,700	1,700	870	2,570	29	4	1,671	2,609	4,280	1,081	4,192	3,618	7,810
677,000	1,500	1,060	2,560	26	5	1,474	2,916	4,390	1,079	2,482	4,398	7,380
673,800	1,500	1,050	2,550	26	6	1,474	3,186	4,660	1,080	1,222	5,368	6,590
670,900	1,500	1,040	2,540	26	7	1,474	3,396	4,870	1,081	1,222	5,298	6,520
667,500	1,700	860	2,560	29	8	1,671	3,049	4,720	1,080	1,923	4,637	6,560
663,900	2,000	650	2,650	34	9	1,966	2,654	4,620	1,082	958	4,652	5,610
658,100	2,000	740	2,640	32	10	1,968	2,592	4,560	1,084	960	4,130	5,090
654,000	2,000	630	2,630	34	11	1,966	2,484	4,450	1,085	1,462	3,628	5,090
650,100	2,000	620	2,620	34	12	1,966	2,464	4,430	1,087	958	4,132	5,090
646,200	1,900	710	2,610	32	13	1,868	2,582	4,450	1,089	860	4,230	5,090
642,600	1,850	750	2,600	31	14	1,819	2,611	4,430	1,090	1,315	3,785	5,100
638,800	1,900	680	2,580	32	15	1,868	2,522	4,390	1,092	860	4,240	5,100
635,200	1,950	750	2,650	32	16	1,868	2,582	4,450	1,093	1,364	3,736	5,100
631,100	2,000	750	2,750	34	17	1,966	2,544	4,510	1,095	958	4,172	5,130
626,800	2,210	580	2,790	37	18	2,173	2,337	4,510	1,097	1,165	3,945	5,510
622,000	2,300	480	2,780	39	19	2,261	2,249	4,510	1,098	1,757	3,373	5,130
617,700	2,200	580	2,780	37	20	2,163	2,347	4,510	1,100	1,155	3,975	5,130
613,600	2,100	670	2,770	36	21	2,064	2,516	4,580	1,102	1,056	4,084	5,140
610,500	1,900	660	2,560	32	22	1,868	2,732	4,600	1,104	860	4,250	5,110
606,900	1,900	860	2,760	32	23	1,868	2,712	4,580	1,106	860	4,260	5,120
602,600	1,900	850	2,750	32	24	1,868	2,692	4,560	1,108	860	4,280	5,140
599,800	1,700	1,040	2,740	29	25	1,671	2,859	4,530	1,110	663	4,347	5,010
594,500	2,250	470	2,720	38	26	2,212	2,278	4,490	1,112	1,204	3,796	5,000
589,300	2,200	510	2,710	37	27	2,163	2,327	4,490	1,114	1,155	3,845	5,000
585,300	2,100	600	2,700	36	28	2,064	2,406	4,470	1,115	1,560	3,440	5,000
581,500	2,100	610	2,710	36	29	2,064	2,366	4,430	1,117	1,056	3,964	5,020
577,900	1,900	800	2,700	32	30	1,868	2,542	4,410	1,119	860	3,900	4,760
573,900	2,000	620	2,620	34	10- 1	1,966	2,484	4,450	1,121	958	3,782	4,740
570,400	1,800	590	2,390	31	2	1,769	2,361	4,130	1,123	761	3,979	4,740
567,100	1,540	500	2,040	26	3	1,514	2,326	3,840	1,123	1,514	3,226	4,740
564,300	1,330	520	1,850	22	4	1,308	2,292	3,600	1,124	804	3,936	4,740
	1,150	520	1,670	20	5	1,130	2,310	3,440	1,124	1,130	3,630	4,760
559,800	880	520	1,400	15	6	865	2,495	3,360	1,125	865	3,675	4,540
145,210			2,476			142,734				284,158		2,7

PLATE NO. 14

TOTAL		RESERVOIR EQUIVALENT	AMERICAN FALLS	JACKSON	PALISADES	RENTALS (1)	OTHER RIGHTS	TOTAL SUPPLY
FEET	ACRE FEET	ACRE FEET	ACRE FEET	AC. FT.	AC. FT.	AC. FT.	AC. FT.	AC. FT.
217	430	459				45	(2) 6,490	6,535
373	2,723	2,905	673	1,589	1,550 ✓			3,812
905	29,564	31,535	12,485	7,209	28,500 ✓		(2) 704	48,898
994	7,922	8,451		2,000	9,400 ✓	200	(2) 140	11,740
723	11,352	12,109	8,923	11,252	19,600 ✓		(2) 30	39,805
104	206	220					(2) 480	480
301	597	637			1,440 ✓			1,440
0	0	0						0
157	311	332			250 ✓			250
63	125	133					(2) 60	60
91	180	192					(2) 600	600
728	17,312	18,466	12,025	11,943	23,500 ✓		(2) 536	48,004
96	190	203					(2) 400	400
716	15,305	16,325	2,649	3,530	15,700 ✓	100	(2) 4,519	26,498
13	26	28					(2) 28	28
823	31,385	33,477	9,496	10,603	31,400 ✓	100	(2) 165	51,764
603	1,196	1,276			800 ✓	300	(2) 285	1,385
297	589	628					(2) 1,100	1,100
190	377	402		1,040	1,600 ✓			2,640
291	577	615			800 ✓	232		1,032
415	6,774	7,226		4,000	6,300 ✓	400	(2) 954	11,654
838	3,646	3,889	3,868	5,234	7,850 ✓			16,952
845	3,660	3,904	2,549	1,472	3,150 ✓			7,171
98	194	207			4,700 ✓		(2) 130	4,830
32	63	67					(2) 420	420
90	179	191					(2) 890	890
183	2,346	2,502			6,300 ✓		(2) 250	6,550
51	101	108			4,700 ✓			4,700
179	355	379	886	511	1,200 ✓			2,597
322	2,622	(3) 2,797			6,000 ✓		(2) 145	6,145
667	3,306	3,526			5,500 ✓			5,500
370	734	783			1,200 ✓			1,200
96	190	203					(2) 375	375
20	40	43						0
0	0	0	4,666	2,695	44,000 ✓			51,361
700	3,372	3,597	13,459	7,771	15,250 ✓			36,480
242	480	512	191	110			(2) 720	1,021
73	145	155	21	12			(2) 222	255
370	734	783	50	384	4,190 ✓		(2) 380	5,004
630	1,513	1,614	22,911	13,230	58,800 ✓			94,941
341	26,462	28,226	25,731	19,857	(4) 33,750 ✓	125	(2) 2,590	82,053
748	3,467	3,698	2,006	2,659	5,600 ✓	20		10,285
883	1,970	2,101	6,047	3,491	6,000 ✓			15,538
888	37,310	39,797	26,367	30,225	35,300 ✓			91,892
		6,030						
		254,339	155,003	140,817	384,330	1,477	16,123	697,750

1970

				S E P T E M B E R										T O T A L	
29	30	31	1	2	3	4	5	6	7	8	9	10	No.	SEC. FEET	ACRE FEET
	4												1	217	430
	27	23	26	25	24	21	0						2	1,373	2,723
128	89	79	112	118	103	18	0						3	14,905	29,564
													4	3,994	7,922
187	122	118	115	120	118	0							5	5,723	11,352
	0												6	104	206
	7	2	0										7	301	597
													8	0	0
													9	157	311
													10	63	125
													11	91	180
60	60	63	0										12	8,728	17,312
													13	96	190
118	125	117	152	148	124	84	72	0					14	7,716	15,305
													15	13	26
336	336	334	346	318	304	130	85	49	0				16	15,823	31,385
	14	9	8	14	16	3	8	0					17	603	1,196
	6	6	6	6	5	0							18	297	589
													19	190	377
													20	291	577
77	46	46	46	38	29	39	0						21	3,415	6,774
36	0	27	0	15	38	6	0						22	1,838	3,646
	9	11	0	0	22	0	3	0					23	1,845	3,660
													24	98	194
	1	0											25	32	63
													26	90	179
													27	1,183	2,346
													28	51	101
													29	179	355
													30	1,322	2,622
													31	1,667	3,306
													32	370	734
						0	3	3	0				33	96	190
													34	20	40
													35	0	0
23	0	27	40	32	30	30	0						36	1,700	3,372
5	5	5	3	3	3	2	0						37	242	480
1	1	1	2	2	2	2	1						38	73	145
0													39	370	734
													40	7,630	1,513
151	194	201	192	172	175	173	168	103	101	91	57	10	41	13,341	26,462
38	38	38	38	38	38	38	38						42	1,748	3,467
10	12	12	13	0									43	993	1,970
49	392	439	449	427	396	0							44	18,810	37,310
50	45	45	45	40	40	40	35						45	2,850	5,653
12	1526	1603	1593	1515	1462	589	413	152	101	91	57	10	46	120,214	238,445

STORAGE DIVERSIONS - MAIN RIVER

1970

24 HOUR SECOND- FEET EXCEPT AS NOTED

AUGUST

	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
8	8	8	8	7	7	7	7	9	8	8	6	6	2	2	4	4	4	4		
28	30	30	30	30	30	28	28	30	30	28	27	27	27	27	27	27	27	25	23	
38	350	350	350	281	258	195	166	159	161	151	95	95	134	137	137	139	139	89	79	
40	40	76	76	77	77	71	39	21	0											
22	224	194	194	184	183	180	178	180	176	152	150	149	148	148	148	147	147	122	118	
4	4	4	4	0						0	4	4	4	4	4	4	4	0		
18	17	17	0	0	1	1	1	1	1	0	5	7	7	7	7	7	7	7	2	
3	3	0	4	4	4	0														
2	2	2	1	1	1	1	1	3	3	3	0									
4	4	4	4	3	0	0	3	3	4	0										
86	125	148	148	137	195	192	180	299	254	151	146	148	143	124	162	200	60	60	63	
4	4	4	4	4	0	0	2	3	3	3	3	3	2	2	0					
54	164	166	148	172	195	143	144	110	111	107	103	98	91	106	120	123	118	125	117	
49	389	389	389	409	409	369	369	369	379	351	351	351	346	346	347	327	336	336	334	
12	9	8	10	8	8	6	5	5	0	2	2	9	5	14	14	16	14	14	9	
8	8	8	8	8	8	0	0	0	6	6	6	6	6	6	6	6	6	6	6	
9	10	9	10	10	8	1	1	1	0											
8	12	12	12	10	10	9	8	8	12	1	1	0								
79	57	87	59	58	57	83	82	80	79	79	53	44	44	72	77	79	77	46	46	
68	76	80	82	58	44	62	62	64	49	47	46	29	30	23	16	3	36	0	27	
25	41	41	36	17	11	17	17	28	11	11	20	9	17	17	20	6	9	9	11	
3	3	3	3	3	3	3	3	3	3	3	3	0	3	1	1	0				
		0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0		
3	3	6	2	4	1	5	0													
15	4	0			0	7	0													
2	4	4	4	4	0	0	1	1	1	3	0									
24	0	4	0	0	4	0	0	17	0											
0	17	17	15	11	0															
8	7	7	7	10	7	3	5	0	0	9	10	9	4	6	6	0				
3	0							0	2	2	4	4	1	0						
	0	1	1	0	0	0	1	1	2	2	3	3	0							
54	50	49	0	0	49	50	49	54	55	29	0	31	55	54	56	55	23	0	27	
6	6	6	6	6	6	6	6	6	6	5	5	5	6	4	4	4	5	5	5	
2	2	2	2	0	0	1	0		0	1	1	1	2	2	2	2	1	1	1	
12	12	11	11	3	3	0							0	6	5	4	0			
120	120	110	0	50	30	0														
231	242	251	243	242	237	201	172	165	153	151	163	158	153	145	143	146	151	194	201	
38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	
20	18	17	17	25	25	21	20	19	18	18	20	20	16	12	11	10	10	12	12	
549	553	549	543	503	497	495	475	469	469	439	427	447	479	473	465	471	449	392	439	
55	55	55	55	55	55	55	55	50	50	50	50	50	50	50	50	50	50	45	45	
586	2703	2759	2517	2426	2456	2247	2114	2186	2081	1867	1739	1747	1813	1824	1866	1864	1702	1526	1603	

J U L Y

J U L Y																			
19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7
12	14	14	35	35	35	35	34	35	35	0	31	31	8	8	6	8	8	10	10
472	476	474	511	508	332	453	453	451	449	446	442	435	31	31	30	35	35	29	28
200	182	180	187	148	147	144	144	125	125	130	130	128	435	433	409	399	411	420	347
27	28	29	52	55	58	42	32	21	41	42	42	109	127	127	128	103	111	83	79
3	0			0	4	4	4	4	4	4	4	4	91	90	87	107	110	106	228
	0	1	1	0	0	9	11	10	11	17	17	17	4	0					
													13	0	3	14	14	2	2
13	0	0	1	0				0	1	0	0	1	3	3	3	10	12	15	15
3	3	3	3	3	1	1	1	1	1	1	1	1	3	3	3	0			
0	0	3	3	7	0					0	2	4	3	1	1	3	2	6	0
230	224	227	230	243	154	154	206	224	224	206	201	212	212	212	206	206	224	218	230
2	1	4	4	4	1	0	0	7	2	1	1	1	1	1	1	1	0	1	1
141	150	188	211	126	95	186	183	182	216	215	180	180	206	200	205	184	170	209	149
								0	1	0	0	0	2	2	2	2	0	3	0
259	269	269	269	269	0	0	0	279	279	279	279	279	279	269	269	439	429	429	429
11	14	14	17	14	19	14	16	16	19	16	16	16	16	16	17	16	9	11	16
4	4	4	6	6	4	4	4	4	8	8	8	8	8	8	8	8	8	8	8
13	12	12	14	0	0	7	7	7	3	2	0				0	2	6	12	0
11	16	13	2	2	13	13	0	0	11	6	0	0	3	2	0	0	0	3	0
3	7	6	146	105	85	87	94	58	68	57	54	74	93	93	92	112	92	102	127
		0	58	31	11	8	0	13	0	0	0	64	64	61	59	52	76	72	71
72	87	87	87	88	88	67	20	53	53	47	47	51	49	14	44	64	62	46	39
		0	11	11	0	0									0	17	17	0	0
0	0	0	1	10	1	0													
		0	3	3	8	8	8	11	5	5	1	1	0				0	4	5
67	70	61	69	45	45	38	43	43	44	44	35	45	36	23	9	5	38	60	54
	0	4	12	5	1	4	8	5	8	4	0								
8	9	9	0	4	8	7	9	7	7	6	5	8	9	9	9	2	0	2	3
56	56	75	75	59	59	52	52	52	52	46	20	46	33	40	40	40	0	49	43
78	116	111	120	120	95	74	35	88	93	93	76	88	90	13	13	9	17	41	37
14	30	17	6	6	6	9	6	6	0	7	9	9	18	22	8	8	0	3	10
5	5	5	5	5	0	0	0	3	4	5	4	3	0	0			0	1	5
				0	0	26	15	49	60	61	62	59	58	28	53	58	58	57	55
5	4	4	4	5	5	5	5	4	4	4	5	5	2	2	2	6	4	4	5
1	2	2	2	1	1	1	1	2	2	2	1	1	2	2	2	2	2	2	1
18	18	16	14	15	16	16	20	20	8	0	19	17	17	0				0	11
350	300	480	480	410	310	270	270	340	350	340	300	270	270	270	270	270	260	100	160
318	322	352	350	352	333	337	331	327	258	308	317	308	303	304	296	282	279	282	274
		38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				0	0	36	0	0	16	36	40	45	43	41	40	38	36	44	53
142	210	235	348	308	0	137	203	214	221	207	205	205	203	167	163	579	575	567	559
60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
2598	2689	2859	3435	3101	2033	2346	2313	2759	2781	2743	2652	2823	2825	2585	2570	3171	3155	3089	3081

C A N A L S	No.	J U L Y													
		14	15	16	17	18	19	20	21	22	23	24	25	26	27
Valley Users	1														
	2			10	11	12	12	14	14	35	35	35	35	34	35
Aggressive Irrig. Dist.	3			270	332	362	472	476	474	511	508	332	453	453	453
Waters Friend	4			189	197	202	200	182	180	187	148	147	144	144	125
Surprise	5			18	21	28	27	28	29	52	55	58	42	32	31
son	6			3	3	3	3	0			0	4	4	4	4
son Craig	7							0	1	1	0	0	9	11	11
berger	8														
er Island	9			11	11	11	13	0	0	1	0				0
& Rand	10			3	3	3	3	3	3	3	3	1	1	1	1
ale	11			9	6	4	0	0	3	3	7	0			
rison	12			218	230	227	230	224	227	230	243	154	154	206	224
ney	13			4	3	2	2	1	4	4	4	1	0	0	7
	14			143	144	143	141	150	188	211	126	95	186	183	182
& Nord	15														0
ress	16			259	259	259	259	269	269	269	269	0	0	0	278
rk & Edwards	17			5	11	10	11	14	14	17	14	19	14	16	16
er Island No. 2	18			4	4	4	4	4	4	6	6	4	4	4	4
der	19			6	6	6	13	12	12	14	0	0	7	7	7
Labelle	20			41	33	11	11	16	13	2	2	13	13	0	0
aydell	21			0	0	11	3	7	6	146	105	85	87	94	58
root	22								0	58	31	11	8	0	13
as & Liberty Park	23			59	86	87	72	87	87	87	88	88	67	20	53
son Corey	24								0	11	11	0	0		
son Corey	25			3	4	1	0	0	0	1	10	1	0		
l Pettinger	26								0	3	3	8	8	8	11
y	27			54	56	69	67	70	61	69	45	45	38	43	43
and	28							0	4	12	5	1	4	8	5
rs	29			11	9	5	8	9	9	0	4	8	7	9	7
Labelle & Long Island	30			56	56	62	56	56	75	75	59	59	52	52	52
as & Lewisville	31			31	39	78	78	116	111	120	120	95	74	35	38
th Rigby	32			16	17	15	14	30	17	6	6	6	9	6	6
ite	33			4	4	4	5	5	5	5	5	0	0	0	3
well	34														
ite & Market Lake	35														
ood	36										0	0	26	15	49
er Island	37			5	5	5	5	4	4	4	5	5	5	5	4
th	38			1	1	1	1	2	2	2	1	1	1	1	2
medy	39			6	10	10	18	18	16	14	15	16	16	20	20
ho	40			380	330	350	350	300	480	480	410	310	270	270	340
Sweden	41			330	305	318	318	322	352	350	352	333	337	331	327
rtin	42									38	38	38	38	38	38
edville	43											0	36	0	0
ake River Valley	44			84	115	150	142	210	235	348	308	0	137	203	214
ellaneous	45			60	60	60	60	60	60	60	60	60	60	60	60
AL HEISE TO SHELLEY	46			2293	2371	2513	2598	2689	2859	3435	3101	2033	2346	2313	2759

PLATE NO. 14A

FEET	RESERVOIR EQUIVALENT ACRE FEET	AMERICAN FALLS ACRE FEET	JACKSON AC. FT.	PALISADES AC. FT.	RENTALS (1) AC. FT.	OTHER RIGHTS AC. FT.	TOTAL SUPPLY AC. FT.
0	0				(5) -100	(2) 100	
444	1,540	12,763	7,370	4,050			24,183
569	607			11,750			11,750
1,022	13,890	21,415	20,365	35,000			76,780
1,206	42,886	55,591	74,626	152,800		(6) -55	282,962
0	0	3,396	1,961	6,300			11,657
496	529			1,500			1,500
1,648	1,758			2,350			2,350
904	964	1,314	758	3,200			5,272
298	318			600			600
1,953	2,089			2,350		(7) -294	2,056
698	745			700		(7) +294	994
1,243	65,325	94,479	105,080	220,600	-100	45	420,104
1,062		47,700		83,900			131,600
1,219		23,300		40,900		(8) -2,972	61,228
1,385		241,505	186,030	74,200		(9) 223,800	725,535
1,408					1,150	(2) 2,330	
1,875		47,593		90,800			138,393
1,713		400,000		1,000			401,000
1,767		438,360	312,007	116,600			866,967
1,382		151,185	97,183				248,368
1,539		45,687		44,500	1,320		91,507
1,034		45,000					45,000
				(11) 34,430			34,430
						(10) 6,897	6,897

om Water District No. 36
sades Water
lle, 466 A.F.; Long Island, 2,331
1,800 A.F. to West Side Mutual
ls rented 750 A.F.; W.D. 36 rented 850 A.F.
dian Service
to Aberdeen Pump
from Watson to Parsons
various individuals thru W.D. 36
ott 95,800 A.F.; Gain Neeley to Milner 128,000
various individuals thru W.D. 36
33,000 A.F.; other 1,430
include following allotments:
of Pocatello 50,000 A.F.
lot 2,500 A.F.
vaco 5,000 A.F.
sades Water Users 50,230 A.F.

Handwritten notes:
1,000
4,700
33,000
20,450

1970

No.	S E P T E M B E R												T O T A L		
	1	2	3	4	5	6	7	8	9	10	11	9-12 to 10-9	SEC. FEET	ACRE FEET	
													47	0	0
													48	728	1,444
													49	287	569
18	18	0											50	6,565	13,022
485	485	445	435	0									51	20,270	40,206
													52	0	0
0			0	7	6	12	0						53	250	496
			0	21	12	0							54	831	1,648
2	2	3	4	2	5	10	0						55	456	904
9	0	0	10	19	2	9	3	1	4	2	0		56	150	298
4	2	2	2	3	1	4	3	0					57	987	1,958
													58	352	698
516	507	450	451	52	26	35	6	1	4	2	0		59	30,876	61,243
144	130	120	120	118	70	78	88	70	70	74	72	1492	60	11,123	22,062
68	80	92	74	69	62	60	60	60	60	60	60	1271	61	7,673	15,219
													62	147,913	293,385
10	10	10	10	3									63	710	1,408
													64	18,591	36,875
													65	132,449	262,713
													66	204,067	404,767
													67	52,625	104,382
304	310	310	318	318	315	315	315	315	313	313	304	10827	68	16,405	32,539
													69	15,646	31,034
													70		
													71		

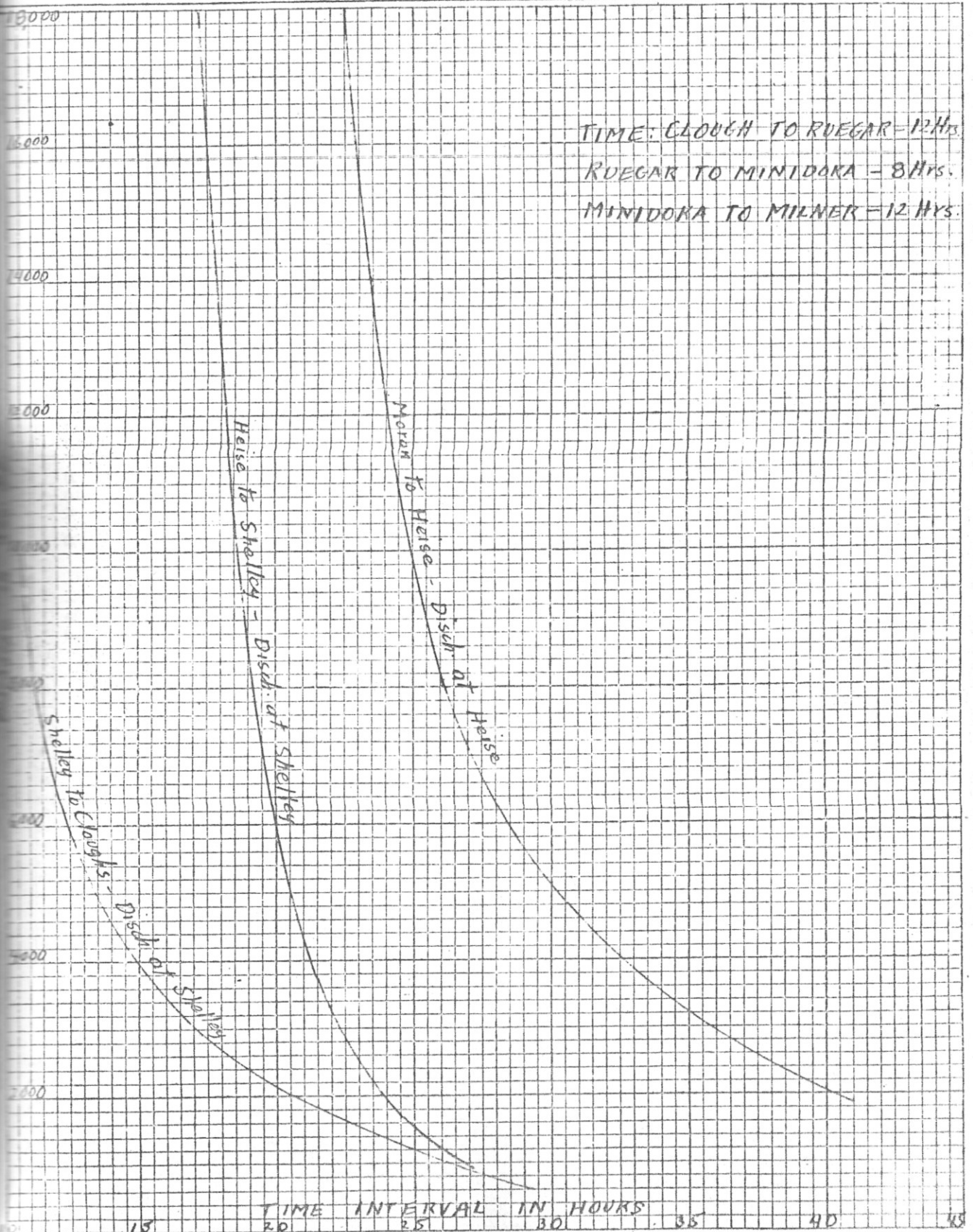
NOTES:

- (1) Rented from Water
- (2) From Palisades Wat
- (3) West Labelle, 466
- (4) Includes 1,800 A.F
- (5) Individuals rented
from Indian Serv
- (6) Transfer to Aberde
- (7) Transfer from Wats
- (8) Rented to various
- (9) Lake Walcott 95,80
- (10) Rented to various
- (11) Wyoming, 33,000 A.
- (12) Does not include f
City of Pocat
Simplot
Westvaco
Palisades Wat

JULY																			
22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10
124	95	69	81	46	0	0	0	15	5	0			0	10	0				
14	25	21	18	16	7	0	1	12	8	17	20	14	0	4	3	1	0		
121	121	133	150	130	123	116	123	123	106	116	182	71	46	46	27	0			
230	220	190	170	170	200	240	220	160	120	120	130	130	160	150	110	70	60	40	
21	0	0	26	26	28	19	6	10	12	3	0								
68	70	68	72	72	74	26	14	18	19	12	13	19	0	0	20	8	0		
13	33	32	14	0	0	13	15	10	15	19	23	22	12	14	8	0	0	0	10
1	25	9	13	3	4	0			0	1	1	1	0	6	19	7	0	0	2
25	35	33	38	39	30	27	17	19	27	29	32	36	12	0	22	14	10	12	15
6	13	15	18	13	8	9	4	5	7	5	7	9	6	3	5	7	7	7	10
623	637	570	600	515	474	450	400	372	319	322	408	302	236	233	214	107	77	59	37
173	170	152	111	101	162	171	164	163	157	101	105	119	105	139	148	140	121	124	137
111	111	110	110	110	110	110	98	92	92	75	70	70	70	86	75	70	70	70	69

TIME INTERVAL BETWEEN GAGING STATIONS ON SNAKE RIVER

Plate No. 15



W

1970

PLATE NO. 21

Grassy Lake Storage Release	Stored Diversions Ashton to St. Anthony	Henrys Fork At St. Anthony			Stored Divers. St. Anth. to Rexburg		Date	Henrys Fork near Rexburg		
		Stored	Normal	Total	Henrys Fork	Teton River		Stored	Normal	Total
	21	105	1,795	1,900		4	Jul 14	101	2,999	3,100
	21	136	1,584	1,720		12	15	124	2,316	2,540
0	28	102	1,378	1,480	0	6	16	96	1,864	1,960
15	29	117	1,143	1,360	22	5	17	90	1,520	1,610
20	31	103	1,087	1,190	11	15	18	77	1,443	1,520
20	265	7	1,293	1,300	19	32	19	-44	1,594	1,550
20	290	222	1,148	1,370	15	21	20	186	1,334	1,520
20	262	250	1,040	1,290	12	28	21	210	1,250	1,460
15	298	219	1,151	1,370	0	22	22	197	1,263	1,460
15	340	167	1,203	1,370	0	106	23	61	1,349	1,410
15	299	218	1,062	1,280	0	92	24	126	1,194	1,320
15	272	304	956	1,260	0	84	25	220	1,120	1,340
30	312	376	964	1,340	0	220	26	156	1,274	1,430
70	326	490	830	1,320	0	121	27	369	1,001	1,370
70	595	172	1,128	1,300	0	302	28	-130	1,450	1,320
70	605	172	1,148	1,320	0	387	29	-215	1,565	1,350
70	603	203	1,147	1,350	0	443	30	-240	1,670	1,430
70	552	259	1,151	1,410	0	406	31	-147	1,577	1,430
70	611	200	1,170	1,370	0	340	Aug 1	-140	1,570	1,430
70	594	-217	1,163	1,380	9	336*	2	-128	1,598	1,470
70	585	226	1,184	1,410	0	204	3	22	1,418	1,440
70	553	258	1,172	1,430	1	243	4	14	1,376	1,390
70	690	121	1,359	1,480	324	231	5	-434	1,834	1,400
70	716	95	1,375	1,470	330	316	6	-551	1,991	1,440
70	729	82	1,428	1,510	313	282	7	-513	1,983	1,470
70	751	69	1,401	1,470	280	272	8	-483	1,923	1,440
70	722	79	1,361	1,440	282	277	9	-480	1,910	1,430
65	730	76	1,344	1,420	273	183	10	-380	1,790	1,410
65	708	98	1,332	1,430	274	179	11	-355	1,725	1,370
35	687	89	1,291	1,380	285	158	12	-354	1,694	1,340
35	698	87	1,293	1,380	270	204	13	-387	1,727	1,340
35	663	122	1,218	1,340	267	189	14	-334	1,674	1,340
35	635	150	1,190	1,340	227	152	15	-229	1,599	1,370
35	627	158	1,192	1,350	226	133	16	-201	1,611	1,410
35	621	164	1,216	1,380	254	113	17	-203	1,633	1,430
35	625	151	1,229	1,380	253	134	18	-236	1,706	1,470
35	589	187	1,223	1,410	238	107	19	-158	1,588	1,430
20	572	198	1,192	1,390	235	122	20	-159	1,569	1,410
20	551	229	1,191	1,420	238	110	21	-119	1,599	1,480
20	555	230	1,210	1,440	244	104	22	-118	1,658	1,540

HENRYS FORK - DAILY SEGREGATION OF FLOW

24 HOUR SECOND- FEET EXCEPT AS NOTED

St. Idan k st	Stored Inflow to I.P. Reserv.	Date	Island P. Reserv. Contents Ac.Ft.	Henrys Fork Nr. Island Park			Island Park to Ashton		Date	Henrys Fork Nr. Ashton			G I St Re
				Stored	Normal	Total	Stored Loss	Stored Div.		Stored	Normal	Total	
65	Jul 12	135,600	129	743	872	3		Jul 13	126	1,814	1,940		
65	Aug 13	135,600	166	700	866	4	5	14	157	1,763	1,920		
60	14	135,400	138	680	818	3	5	15	130	1,700	1,830		
60	15	135,300	140	660	800	4	5	16	131	1,689	1,820		
60	16	135,200	122	650	772	3	5	17	114	1,686	1,800		
55	17	135,100	264	650	914	7	5	18	252	1,858	2,110		
50	18	134,700	510	640	1,150	13	5	19	492	1,728	2,220		
50	19	133,800	510	640	1,150	13	5	20	492	1,718	2,210		
50	20	132,900	520	640	1,160	13	5	21	502	1,808	2,310		
45	21	131,800	510	640	1,150	13	5	22	492	1,868	2,360		
45	22	130,500	520	630	1,150	13	5	23	502	1,718	2,220		
40	23	129,600	580	630	1,210	14	5	24	561	1,749	2,310		
40	24	128,400	680	630	1,310	17	5	25	658	1,832	2,490		
35	25	127,000	770	630	1,400	19	5	26	746	1,704	2,450		
35	26	125,600	720	630	1,350	18	5	27	697	1,703	2,400		
31	27	124,300	730	630	1,360	18	5	28	707	1,713	2,420		
31	28	122,800	760	620	1,380	19	5	29	736	1,694	2,430		
26	29	121,300	770	620	1,390	19	10	30	741	1,719	2,460		
16	30	119,800	770	620	1,390	19	10	31	741	1,689	2,430		
11	31	118,100	770	620	1,390	19	10	Aug 1	741	1,669	2,410		
127	Aug 1	116,800	700	620	1,390	19	10	2	741	1,689	2,430		
122	2	115,400	770	620	1,390	19	10	3	741	1,669	2,410		
117	3	114,100	770	620	1,390	19	10	4	741	1,679	2,420		
117	4	112,700	770	620	1,390	19	10	5	741	1,679	2,420		
117	5	111,500	770	620	1,390	19	10	6	741	1,699	2,440		
117	6	110,200	780	620	1,400	20	10	7	750	1,690	2,440		
122	7	108,900	760	620	1,380	19	10	8	731	1,719	2,450		
122	8	107,600	770	620	1,390	19	10	9	741	1,699	2,440		
117	9	106,200	770	620	1,390	19	10	10	741	1,679	2,420		
117	10	104,700	770	620	1,390	19	10	11	741	1,639	2,380		
117	11	103,400	780	620	1,400	20	10	12	750	1,690	2,440		
117	12	102,000	780	620	1,400	20	10	13	750	1,640	2,390		
122	13	100,800	780	620	1,400	20	10	14	750	1,650	2,400		
122	14	99,400	780	620	1,400	20	10	15	750	1,630	2,380		
122	15	98,000	780	620	1,400	20	10	16	750	1,640	2,390		
122	16	96,800	770	620	1,390	19	10	17	741	1,659	2,400		
122	17	95,500	770	620	1,390	19	10	18	741	1,619	2,360		
127	18	94,100	780	610	1,390	20	10	19	750	1,590	2,340		
127	19	92,700	790	610	1,400	20	10	20	760	1,550	2,310		
127	20	91,400	790	610	1,400	20	5	21	765	1,545	2,310		

HENRYS FORK - DA

Henrys Lake Contents Ac.Ft.	Henrys Fork Nr. Lake			Stored Loss Lake to I.Park	Stored Divers. above I. Park	F.M.Dist. Sheridan Creek Right	Stored Inflow to I.P. Reserv.	Date	Island P. Reserv. Contents Ac.Ft.	Henrys Lake Nr. Island
	Stored	Normal	Total							
89,200	55	98	153	2	0	12	65	Jul 12	135,600	129
	55	85	140	2	0	12	65	Aug 13	135,600	166
	55	85	140	2	5	12	60	14	135,400	138
	55	81	136	2	5	12	60	15	135,300	140
	55	75	130	2	5	12	60	16	135,200	122
	50	76	126	2	5	12	55	17	135,100	264
	50	75	125	2	10	12	50	18	134,700	510
	50	73	123	2	10	12	50	19	133,800	510
	50	71	121	2	10	12	50	20	132,900	520
	45	72	117	2	10	12	45	21	131,800	510
87,500	45	69	114	2	10	12	45	22	130,500	520
	45	72	117	2	15	12	40	23	129,600	580
	45	70	115	2	15	12	40	24	128,400	680
	40	72	112	2	15	12	35	25	127,000	770
	40	69	109	2	15	12	35	26	125,600	720
	35	71	106	1	15	12	31	27	124,300	730
	35	68	103	1	15	12	31	28	122,800	760
	30	68	98	1	15	12	26	29	121,300	770
	20	68	88	1	15	12	16	30	119,800	770
	87,100	45	65	110	1	15	12	11	31	118,100
	135	64	199	5	15	12	127	Aug 1	116,800	700
	130	63	193	5	15	12	122	2	115,400	770
	125	64	189	5	15	12	117	3	114,100	770
	125	62	187	5	15	12	117	4	112,700	770
	125	60	185	5	15	12	117	5	111,500	770
	125	58	183	5	15	12	117	6	110,200	780
	130	51	181	5	15	12	122	7	108,900	760
	130	53	183	5	15	12	122	8	107,600	770
	130	51	181	5	20	12	117	9	106,200	770
	130	51	181	5	20	12	117	10	104,700	770
	130	51	181	5	20	12	117	11	103,400	780
	130	51	181	5	20	12	117	12	102,000	780
	135	46	181	5	20	12	122	13	100,800	780
	135	46	181	5	20	12	122	14	99,400	780
	135	46	181	5	20	12	122	15	98,000	780
	135	46	181	5	20	12	122	16	96,800	770
	135	46	181	5	20	12	122	17	95,500	770
	135	46	181	5	15	12	127	18	94,100	780
	135	46	181	5	15	12	127	19	92,700	790
	135	46	181	5	15	12	127	20	91,400	790

OW

1970

PLATE NO. 21A

al	Grassy Lake Storage Release	Stored Diversion Ashton to St. Anthony	Henrys Fork at St. Anthony			Stored Divers. St. Anth. to Rexburg		Date	Henrys Fork near Rexburg		
			Stored	Normal	Total	Henrys Fork	Teton River		Stored	Normal	Total
310	20	557	238	1,202	1,440	226	122	Aug 23	-110	1,690	1,580
360	20	544	251	1,219	1,470	203	119	24	-71	1,681	1,610
350	20	547	248	1,252	1,500	202	117	25	-71	1,701	1,630
380	15	529	261	1,219	1,480	210	94	26	-43	1,673	1,630
410	15	550	254	1,246	1,500	210	86	27	-42	1,652	1,610
380	15	554	246	1,214	1,460	210	87	28	-51	1,791	1,740
640	5	486	304	1,346	1,650	181	130	29	-7	1,897	1,890
490	0	495	290	1,260	1,550	178	150	30	-38	1,908	1,870
490	0	459	326	1,264	1,590	174	163	31	-11	1,881	1,870
510	0	440	345	1,275	1,620	178	126	Sep 1	41	1,989	2,030
370	0	413	226	1,534	1,760	176	160	2	-110	2,290	2,180
230	0	391	62	1,638	1,700	172	118	3	-228	2,428	2,200
230	0	367	86	1,634	1,720	176	99	4	-189	2,309	2,120
230	0	295	139	1,581	1,720	0	86	5	53	2,217	2,270
320	0	101	323	1,637	1,960	0	98	6	225	2,375	2,600
110	0	103	79	1,881	1,960	0	76	7	3	2,527	2,530
930	0	78	33	1,767	1,800	0	73	8	-40	2,500	2,460
870	0	56	135	1,605	1,740	0	30	9	105	2,245	2,350
850	0	55	124	1,596	1,720	0	3	10	121	2,159	2,280
830	0	46	116	1,564	1,680	0	3	11	113	2,117	2,230
780	0	46	100	1,550	1,650	0		12	100	2,080	2,180
	1,745	26,473	11,094			7,398	8,635		-4,939		

HENRYS FORK - DAILY SEGREGATION OF FLOW

24 HOUR SECOND- FEET EXCEPT AS NOTED

Date	Island P. Reserv. Contents Ac.Ft.	Henrys Fork Nr. Island Park			Island Park to Ashton		Date	Henrys Fork Nr. Ashton			Grassy Lake Storage Release	Stor Diver Ashton St.A	
		Stored	Noral	Total	Stored	Stored		Stored	Normal	Total			
					Loss	Div.							
Aug 21	90,200	800	610	1,410	20	5	Aug 22	775	1,535	2,310	20	5	
22	88,700	800	610	1,410	20	5	23	775	1,585	2,360	20	5	
23	87,400	800	610	1,410	20	5	24	775	1,575	2,350	20	5	
24	86,300	800	610	1,410	20	5	25	775	1,605	2,380	15	5	
25	85,000	814	606	1,420	20	5	26	789	1,621	2,410	15	5	
26	83,800	810	610	1,420	20	5	27	785	1,595	2,380	15	5	
27	82,400	810	610	1,420	20	5	28	785	1,855	2,640	5	4	
28	81,200	810	610	1,420	20	5	29	785	1,705	2,490	0	4	
29	80,000	810	610	1,420	20	5	30	785	1,705	2,490	0	4	
30	78,700	810	610	1,420	20	5	31	785	1,725	2,510	0	4	
31	77,500	660	620	1,280	16	5	Sept 1	639	1,731	2,370	0	4	
Sept 1	77,000	470	640	1,110	12	5	2	453	1,777	2,230	0	3	
2	76,400	470	660	1,130	12	5	3	453	1,777	2,230	0	3	
3	75,700	450	680	1,130	11	5	4	434	1,796	2,230	0	2	
4	75,000	440	700	1,140	11	5	5	424	1,896	2,320	0	1	
5	74,500	190	850	1,040	5	3	6	182	1,928	2,110	0	1	
6	75,500	114	800	914	3	0	7	111	1,819	1,930	0		
7	74,400	196	700	896	5	0	8	191	1,679	1,870	0		
8	74,200	184	700	884	5	0	9	179	1,671	1,850	0		
9	74,000	166	700	866	4	0	10	162	1,668	1,830	0		
10	73,900	150	710	860	4	0	11	146	1,634	1,780	0		
		37,133			928		383		35822			1,745	26,4

HENRYS FORK - DAILY

24 HO

Henry's Lake Contents Ac. Ft.	Henry's Fork Nr. Lake			Stored Loss Lake to I. Park	Stored Divers. above I. Park	F.M. Dist. Sheridan Creek Right	Stored Inflow to I.P. Reserv.	Date	Island P. Reserv. Contents Ac. Ft.	Henry's Fork Nr. Island Park		
	Stored	Normal	Total							Stored	Normal	Total
73,700	135	46	181	5	15	12	127	Aug 21	90,200	800	610	
	135	46	181	5	15	12	127	22	88,700	800	610	
	135	46	181	5	10	12	132	23	87,400	800	610	
	135	46	181	5	10	12	132	24	86,300	800	610	
	135	46	181	5	10	12	132	25	85,000	814	606	
	135	46	181	5	10	12	132	26	83,800	810	610	
	135	46	181	5	10	12	132	27	82,400	810	610	
	135	46	181	5	10	12	132	28	81,200	810	610	
	135	46	181	5	10	12	132	29	80,000	810	610	
	135	46	181	5	10	12	132	30	78,700	810	610	
74,100	135	46	181	5	10	12	132	31	77,500	660	620	
	135	46	181	5	10	12	132	Sept 1	77,000	470	640	
	140	41	181	6	10	12	136	2	76,400	470	660	
	140	41	181	6	10	12	136	3	75,700	450	680	
	140	41	181	6	10	12	136	4	75,000	440	700	
	140	41	181	6	5	12	141	5	74,500	190	850	
	140	41	181	6	5	12	141	6	75,500	114	800	
	140	41	181	6	5	12	141	7	74,400	196	700	
	120	43	163	5	5	12	122	8	74,200	184	700	
	40	47	87	2	5	12	45	9	74,000	166	700	
30	58	88	1	5	12	36	10	73,900	150	710		
6,175			239	740	732	5,928			37,133			

PLATE NO. 22

RESERVOIR ALLOTMENTS IN ACRE-FEET					
	Henrys Lake	Other Rights	Rentals	Total	Headgate Equivalent
83		1,470 (1)		3,035	2,904
89		180 (3)	164 (2)	1,083	1,056
44			68 (2)	612	598
92		100 (3)		1,192	1,162
41				1,441	1,405
60			293 (2)	453	442
40		948 (4)		1,188	1,158
50				1,750	1,706
69		-280 (3)		19,489	19,002
89				8,189	7,984
50			45 (2)	95	93
80		16,071 (5)		26,251	24,992
40				140	136
25				8,025	7,824
23				1,623	1,582
11				511	498
50				50	49
19	1,233	49 (6)		1,901	1,805
4	11,939			13,813	12,990
82	5,739			9,321	8,858
83		1,272 (7)		6,855	6,684
48		-1,272		4,376	4,267
44	20,869			28,713	27,161
14	39,780	16,888	406	135,988	130,396
86	5,793			8,079	7,645
19	23,187			32,406	30,669
67	17,386			22,453	21,196
72	46,366			62,938	59,510

Notes:

- (1) From Palisades Waterusers Inc.
- (2) Rented from Fremont-Madison.
- (3) Transfer from Marysville (D. Potter 100, Egbert 180).
- (4) Draft from Indian and Bergman Reservoirs.
- (5) Jackson Lake 5,883 A.F.
- (6) Transfer from Teton Island Feeder to Dewey
- (7) Transfer from Twin Groves to Farmers Friend.

S E P T E M B E R											No.	T O T A L		R E S E R V O I R		A L L O C A T I O N
1	2	3	4	5	6	7	8	9	10	11		Second Feet	Acre Feet	Fremont Madison	Henrys Lake	
10	10	10	5	5	5	5	5	5			1	740	1,468	1,565		
5	5	5	5	3							2	383	760	739		
2	2	2	2	2	1						3	303	600	544		
5	5	5	2	2	1						4	375	744	1,092		
13	1	1	1	0							5	614	1,218	1,441		
0											6	223	442	160		
4	5	5	4	0							7	415	823	240		
5	9	9	0								8	457	906	1,750		
22	124	110	95	0							9	5,691	11,288	19,769		
38	38	38	0								10	2,700	5,355	8,189		
1	1	1	1	1	0	0					11	47	93	50		
98	97	97	97	96	100	77	56	55	46	46	12	6,168	12,234	10,180	16	
0	1	1	0	0	1	1	0				13	44	87	140		
5	5	5	0								14	794	1,575	8,025		
											15	509	1,010	1,623		
											16	0	0	511		
											17	7	14	50		
5	10	10	10	0							18	910	1,805	619	1,233	
3	73	73	73	0							19	3,635	7,210	1,874	11,939	
											20	133	264	3,582	5,739	
2	20	10	10	0							21	3,370	6,684	5,583		
											22	28	56	5,648		
											23	56	111	7,844	20,869	
3	391	367	295	101	103	78	56	55	46	46	24	26,479	52,519	78,914	39,780	
											25	76	151	2,286	5,793	
2	172	176	0								26	6,840	13,567	9,219	23,187	
											27	482	956	5,067	17,386	
											28	0	0			
2	172	176	0								29	7,398	14,674	16,572	46,366	

S FORK AND FALL RIVER 1970

AS NOTED

														S E P T E					
18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6
15	15	15	15	10	10	10	10	10	10	10	10	10	10	10	10	10	5	5	5
10	10	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	3	
5	5	5	5	5	5	5	5	5	5	3	3	3	3	2	2	2	2	2	1
10	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	2	2	1
16	17	17	17	17	17	17	17	17	17	17	17	18	13	13	1	1	1	0	
5	5	5	6	6	6	6	6	5	5	5	6	6	6	0					
11	10	10	13	13	13	11	11	10	10	10	5	5	4	4	5	5	4	0	
17	17	17	18	19	19	19	11	11	14	7	5	5	5	5	9	9	0		
185	186	174	173	173	172	174	163	163	162	110	109	109	122	122	124	110	95	0	
78	78	78	78	78	68	68	68	68	74	63	63	35	38	38	38	38	0		
1	1	1	1	0									0	1	1	1	1	1	0
107	106	106	106	106	105	105	105	104	104	104	112	110	98	98	97	97	97	96	100
2	1	1	1	1	1	1	1	1	0	0	2	1	1	0	1	1	0	0	1
0																			
6	6	10	10	11	11	11	5	4	4	5	5	5	5	5	5	5	0		
21	21	22	22	22	22	22	21	21	21	22	22	21	21	15	10	10	10	0	
70	71	73	73	73	73	73	73	73	73	73	75	73	73	73	73	73	73	0	
7	8	0																	
48	35	27	27	28	29	40	38	63	60	62	66	63	46	32	20	10	10	0	
589	572	551	555	557	544	547	529	550	554	486	495	459	440	413	391	367	295	101	103
0																			
216	216	216	222	202	203	202	210	210	210	181	178	174	178	176	172	176	0		
22	19	22	22	24	0														
238	235	238	244	226	203	202	210	210	210	181	178	174	178	176	172	176	0		

STORAGE DIVERSIONS FROM HENRYS F

24 HOUR SECOND- FEET EXCEPT AS N

AUGUST

30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
15	15	15	15	15	15	15	15	15	20	20	20	20	20	20	20	20	20	15	15
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	5
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
13	13	14	14	14	14	14	14	14	11	11	11	11	15	15	16	16	16	16	16
6	6	6	6	5	5	5	5	5	5	5	5	5	5	5	4	4	5	5	5
11	11	12	13	14	0	0	0	11	11	11	13	12	11	11	11	11	11	11	11
5	5	4	3	3	18	18	20	20	18	16	16	16	16	16	14	14	16	16	17
62	64	63	63	53	209	201	203	203	192	192	192	190	192	186	185	185	185	183	185
64	64	64	62	62	86	80	80	80	80	80	79	82	82	79	79	79	78	78	78
4	3	0					0	1	1	1	1	1	1	1	1	1	1	1	1
134	148	137	137	139	61	129	131	129	129	129	129	129	128	113	109	109	108	108	107
1	0																	0	2
13	0	25	27	20	41	35	48	50	52	45	35	30	15	20	0	0	0	8	0
3	21	20	20	20	20	20	20	20	20	20	10	10	10	9	6	6	6	6	6
			0	3	0														
29	27	28	28	28	29	28	28	26	25	26	22	21	22	21	21	21	21	21	21
118	118	118	118	118	116	116	116	116	96	95	95	85	86	87	88	89	89	91	70
			0	6	31	11	5	1	5	11	12	5	7	2	3	6	7	6	7
72	114	86	77	51	44	42	42	58	59	70	70	72	90	80	80	68	60	57	48
552	611	594	585	553	690	716	729	751	722	730	708	687	698	663	635	627	621	625	589
	0	9	0	1	0						0	20	0	0	3	0	20	20	0
				0	281	287	268	264	266	260	258	252	258	254	210	212	216	212	216
				0	43	43	45	16	16	13	16	13	12	13	14	14	18	21	22
	0	9	0	1	324	330	313	280	282	273	274	285	270	267	227	226	254	253	238

NAME OF CANAL	No.	J U L Y											
		12	13	14	15	16	17	18	19	20	21	22	23
Users above Island Park Dam	1		5	5	5	5	10	10	10	10	10	15	15
Miscel. Island Park to Ashton	2		5	5	5	5	5	5	5	5	5	5	5
Miscel. Ashton to St. Anthony	3		5	5	5	5	5	5	5	5	5	5	5
Miscel. Users on Fall River	4		5	5	5	5	5	5	5	5	5	5	5
Conant Creek Canal	5										0	13	12
Boon Creek Canal	6											6	6
Squirrel Creek Canal	7											9	9
Yellowstone	8												
Marysville	9												
Farmers Own	10						0	5	5	7	5	8	8
Winy	11			0	1	1	1	1	1	0			
Enterprise	12						0	127	121	119	121	123	122
Bell	13	0	4	3	3	5	3	3	1	0	1	0	1
Fall River Canal	14		0	0	14	13	0	21	4	6	6	29	26
Chester	15												
Hilkey	16												
Garr	17					0	4	0					
Dewey	18												
Last Chance	19	0	7	8	0								
St. Anthony Union	20												
Farmers Friend	21						0	71	121	103	155	142	105
Twin Groves	22					0	6	12	10	0			
Salem Union	23					0	7	15	17	17	0		
TOTAL ASHTON TO ST. ANTHONY	24	0	21	21	28	29	31	265	290	262	298	340	299
Egin	25				0	3	0						
Independent	26												
Consolidated Farmers	27				0	19	11	19	15	12	0		
Sorensen	28												
Total St. Anthony to Rexburg	29				0	22	11	19	15	12	0		

RESERVOIR ALLOTMENTS IN ACRE-FEET				
Fremont Madison	Other Rights	Rentals	Total	Headgate Equiv.
3,224			3,224	5,107
1,608			1,608	2,547
837			837	1,326
631			631	1,000
181			181	287
297			297	470
168	190 (2)		358	567
5,946	190		7,136	11,304
1,590		135 (3)	1,725	1,509
712	1,750 (2)	203 (3)	2,665	2,332
9,248	1,940	338	11,526	
503			503	440
1,442	-723 (4)		719	629
2,999			2,999	2,624
367		64 (3)	431	377
144		146 (3)	290	254
491	+723 (4)		1,214	1,063
285			285	249
504		81 (3)	585	512
9,355	-49 (5)		9,256	8,099
		44 (3)	44	38
120			120	105
754			754	660
80		228 (3)	308	270
1,519			1,519	1,329
3,558			3,558	3,113
4,654			4,654	4,072
103		63 (3)	166	145
26,828	-49	626	27,405	
36,076	1,891	964	38,931	

NOTES:

- (1) Line 8 divided by 1.625 and one day later.
- (2) From Palisades Waterusers.
- (3) Rent from Fremont-Madison.
- (4) Transfer to Stewart Canal.
- (5) Transfer to Dewey Canal.

												T O T A L		RESERVOIR		
S E P T E M B E R												No.	Second Feet	Acre Feet	Fremont Madison	Other Res.
1	2	3	4	5	6	7	8	9	10	11	12					
35	36	37	38									1	1,598	3,170	3,224	
												2	173	343	1,608	
												3	48	95	837	
												4	0	0	631	
												5	0	0	181	
												6	0	0	297	
1	1	0										7	24	48	168	190
41	36	37	38									8	1,843	3,656	6,946	190
25	25	22	23	24								9	1,132	2,245		
12	12	12	11	16	14	14	12	0				10	761	1,509	1,590	
10	5	5	5	5	5	5	4	0				11	469	930	712	1,750
47	42	39	40	39	45	19	19	16				12	2,362	4,684	9,248	1,940
189	196	205	92	72	61	64	64	57	59	71		13				
298	308	334	303	270	282	300	304	326	290	275		14				
												15	0	0	503	
												16	24	48	1,442	-723
7	2	6	0									17	1,264	2,507	2,999	
7	0											18	190	377	367	
3			0	2	4	0						19	128	254	144	
21	14	2	1	1	2	0						20	536	1,063	491	-713
2	1	2	0									21	102	202	285	
3	2	3	5	4	3	3	1					22	259	512	504	
	1	1	1	1	1	1	1					23	425	843	9,305	-49
												24	19	38		
0	3	3	3	0				0	3	3		25	49	97	120	
												26	27	54	754	
	0	2	1	0	0	6	6	6				27	136	270	80	
39	44	10	9	7	7	8	8	8				28	8	16	1,519	
												29	1,093	2,168	3,558	
0	51	50	39	32	36	39	38	0				30	1,940	3,848	4,654	
												31	73	145	103	
												32	0	0		
79	118	79	59	47	53	57	54	14				33	6,273	12,442	26,828	-49
126	160	118	99	86	98	76	73	30	3	3		34	8,635	17,126	36,076	1,891

FROM TETON RIVER

1970

EXCEPT AS NOTED

AUGUST

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
47	46	45	43	41	39	37	43	46	56	55	51	48	47	46	44	42	41	40	40
0	1	1	1	0	0	1	1	1	1	1	1	1	1	0	0	1	1	1	1
47	47	46	44	41	39	38	44	47	47	56	52	49	48	46	44	43	42	41	41
29	29	28	28	27	25	24	23	27	29	35	34	32	30	29	28	27	26	26	25
14	13	11	11	12	12	12	12	12	12	12	11	10	11	11	10	13	11	11	11
15	15	15	11	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
58	57	56	50	49	47	46	45	49	51	57	55	52	51	50	48	50	47	47	47
142	136	136	136	148	150	139	144	143	153	147	149	158	173	164	168	187	182	185	189
178	179	150	183	194	190	199	194	166	182	194	194	208	253	229	250	275	300	317	298
			0	2	10	0													
53	46	24	25	20	17	15	37	17	14	18	17	17	11	12	12	17	26	30	7
8	14	4	4	4	5	8	8	8	8	7	8	8	8	1	0		0	7	7
6	0	2	0	5	5	4	5	3	0						0	2	5	3	0
12	12	12	13	12	12	12	12	11	3	10	10	8	8	8	8	7	8	22	21
							0	3	3	3	3	3	3	2	2	5	2	2	2
2	1	3	2	2	3	3	3	3	3	2	2	2	4	3	3	3	3	3	3
																			0
3	2	0					0	3	3	0				0	3	3	0		0
					0	1	0												
31	27	24	4	2	2	2	1	2	2	5	4	4	3	5	6	39	40	39	39
30	27	24	32	14	30	14	6	9	15	18	18	21	5	4	4	4	19	10	0
1	3	3	3	3	3	2	2	2	2	2	2	2	1	1	1	0			
146	132	96	83	64	87	61	77	61	53	65	64	65	43	36	39	80	103	116	79
204	189	152	133	113	134	107	122	110	104	122	119	117	94	86	87	130	150	163	126

STORAGE DIVERSIONS

24 HOUR SECOND

J U L Y																			
21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9
				17	12	8	8	11	14	11	20	17	15	62	57	55	53	51	49
15	15	13	11	12	10	10	10	9	9	9	9	9	9	8	6	5	3	1	0
25	6	0	0	12	5	0													
												0	1	1	1	1	1	1	1
40	21	13	11	41	27	18	18	20	23	20	29	26	25	71	64	61	57	53	50
0	25	13	8	7	25	17	11	11	12	14	12	18	16	15	44	39	37	35	33
12	14	11	10	25	24	23	24	30	23	22	21	21	19	19	19	21	21	17	17
5	5	5	5	5	5	5	5	5	5	5	10	10	10	10	10	10	10	10	15
17	44	29	23	37	54	45	40	46	40	41	43	49	45	44	73	70	68	62	65
40	31	40	161	145	151	160	158	181	172	164	173	156	160	142	145	142	143	133	130
				444	400	-	248	327	-	-	255	273	250	233	145	144	155	154	187
							0	2	3	0		0	1	0					
		0	1	51	0	35	74	88	55	47	106	76	64	59	56	31	24	15	15
			0	7	0				0	8	0				0	12	11	11	8
						0	9	12	14	0			0	9	9	10	0	4	7
1	4	3	5	12	10	20	20	22	21	21	19	20	9	10	12	13	13	12	12
					0	3	3	2	2	10	9	9	8	7	5	5	0		
			0	3	4	13	14	14	14	19	10	10	8	6	6	5	14	13	13
					0	94	90	116	90	35	0								
1	0					0	1	1	1	1	1	1	1	1	1	1	1	0	
0	2	0					0	3	0							0	3	3	0
0																			
3	4	9	9	7	6	6	6	8	8	7	7	5	3	0					
								0	5	3	0								
0	52	51	46	54	47	42	38	8	8	13	14	14	23	38	45	46	32	37	35
			0	49	0	40	85	120	141	132	124	18	78	55	107	87	104	119	27
					0	4	4	4	4	3	3	2	3	2	2	2	2	1	1
5	62	63	61	183	67	257	347	397	366	299	293	155	198	187	243	212	204	215	118
22	106	92	84	220	121	302	387	443	406	340	336	204	243	231	316	282	272	277	183

GENERAL	No.	J U L Y												
		13	14	15	16	17	18	19	20	21	22	23	24	25
Snake Irrigation Co.	1													17
Snake Canal	2								0	15	15	13	11	12
Snake Canals	3									25	6	0	0	12
Snake Creek Canals	4													
Snake Creek Canals	5													
Snake Canals	6													
Misc.	7													
Teton Basin	8								0	40	21	13	11	41
Outlet at St. Anthony (1)	9								0	0	25	13	8	7
Snake Creek Canal	10								0	12	14	11	10	25
Miscellaneous	11	0	5	5	5	5	5	5	5	5	5	5	5	5
Snake above St. Anthony Gage	12	0	5	5	5	5	5	5	5	17	44	29	23	37
Snake Inflow	13		64	31	41	44	38	36	40	40	31	40	161	145
Snake River below Diversions	14													
Snake	15													
Snake Irrigation	16	1	5	0										
Snake	17											0	1	51
Snake	18												0	7
Snake	19				0	4	0							
Snake	20	1	0		0	5	7	1	0	1	4	3	5	12
Snake-Byington	21													
Snake-Garner	22	2	1	1	0								0	3
Snake Island Feeder	23													
Snake	24								0	1	0			
Snake-Thompson	25					0	3	3	0	0	2	0		
Snake	26				0	1	9	3	14	0				
Snake	27					0	8	9	9	3	4	9	9	7
Snake-See-Johnson	28													
Snake Ward	29									0	52	51	46	54
Snake	30												0	49
Snake Irrigation	31	0	1	0										
Snake-Garnick-Rowe	32													
Miscellaneous	32													
Snake below St. Anthony Gage	33	4	7	1	0	10	27	16	23	5	62	63	61	183
TOTAL TETON RIVER	34	4	12	6	5	15	32	21	28	22	106	92	84	220

CANAL DURING 1970

plate no. 23A

0.5
1.5

nd-feet

MAY																		
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
57	54	60	61	69	58	49	52	54	76	79	104	128	153	148	145	142	137	2,322
14	18	18	25	25	25	25	25	26	26	46	46	46	46	46	45	44	43	638
16	17	20	23	27	29	32	34	36	43	51	59	69	80	80	81	82	83	1,053
19	19	19	20	20	21	22	24	25	33	41	50	52	54	52	50	62	73	795
36	36	39	43	47	33	20	19	19	26	33	41	53	65	62	59	42	24	1,112
30	27	24	23	22	22	20	18	21	24	23	26	30	36	43	34	24	23	697

JUNE																		
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
156	153	151	143	136	157	179	170	160	176	193	201	209	216	223	222	223		5,734
97	97	97	104	110	106	102	105	108	108	103	104	100	98	97	90	83		2,862
98	97	96	98	101	104	107	108	108	112	116	116	116	119	122	114	107		3,167
102	92	83	84	84	97	110	117	124	138	153	153	153	148	144	122	101		3,730
53	61	69	65	61	62	64	50	36	34	32	36	40	47	54	76	98		1,699
51	67	66	64	60	57	56	48	41	34	26	22	28	28	30	31	22		1,219

JULY																		
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
98	116	139	139	143	143	136	144	156	151	260	304	310	306	304	283	287	291	5,576
128	129	130	136	131	126	127	127	119	120	115	116	92	95	112	123	115	96	3,679
91	95	95	95	96	95	96	99	99	99	88	99	98	99	107	87	89	88	3,024
62	94	104	110	114	110	103	107	117	115	102	131	128	131	129	113	117	9	2,756
73	56	70	70	64	64	64	65	59	57	185	190	176	171	180	206	196	290	3,475
64	31	41	44	38	36	40	40	31	40	161	145	151	160	158	181	172	164	2,607

AUGUST																		
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
272	273	266	275	267	260	264	264	256	252	257	264	264	260	257	267	265	265	8,359
89	90	89	86	85	85	86	83	86	90	88	88	81	81	86	88	92	92	2,833
91	98	88	90	91	90	81	95	95	95	96	79	79	78	77	80	79	79	2,749
86	86	95	101	91	90	90	75	82	82	82	77	77	77	77	75	70	70	3,004
184	179	172	170	170	165	179	177	165	165	167	196	189	186	189	200	208	208	5,439
136	156	148	150	139	144	143	153	147	149	158	173	164	168	187	182	185	189	4,738

SEPTEMBER																		
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
96	96	92	92	33	38	15	11	11	11	11	5	5	2	2	0	0		2,131
82	82	82	82	82	82	82	84	84	72	72	72	72	70	70	82	82		2,491
61	61	61	61	0	0	51	51	51	38	38	37	37	25	25	25	33		1,513
32	32	33	33	35	35	39	39	39	39	39	34	34	36	36	36	37		1,288
85	85	80	80	85	85	7	5	5	6	6	6	6	11	11	11	10		1,809
106	105	83	99	111	77	15	16	10	12	14	14	13	16	16	12	16		1,825

S. = 22,187 A.F.

OPERATION OF CROSS CUT CANAL

24 hour second-feet

LOCATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	MAY 15	16
Head		0	30	61	62	78	76	75	74	65	57	57	61	57	54	60
Fall River Canal									0	8	16	14	11	14	13	15
Diversion		0	9	18	20	22	20	18	18	17	17	16	16	16	17	20
h Diversion					0	16	16	17	17	18	18	18	19	19	19	19
River Canal Diversions		0	21	43	42	40	40	40	39	38	38	37	37	36	36	35
at End			0	6	13	22	30	28	25	25	25	25	28	30	27	27

LOCATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	JUNE 15	16
Head	171	202	214	227	194	181	200	220	266	231	208	184	168	156	153	151
Fall River Canal	43	43	54	66	92	118	110	102	111	120	105	90	94	97	97	97
Diversion	88	92	96	101	106	111	111	111	108	105	102	99	98	98	97	97
h Diversion	88	102	120	138	142	147	156	166	183	120	123	126	114	102	92	83
River Canal Diversions	38	51	52	54	38	41	43	45	86	126	88	49	50	53	61	60
at End	22	22	22	23	24	24	25	48	71	58	46	40	35	51	67	66

LOCATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	JULY 15	16
Head	181	139	138	138	157	176	123	162	144	133	129	124	122	98	116	130
Fall River Canal	98	113	112	110	115	120	120	126	126	127	130	122	123	128	129	130
Diversion	107	107	106	105	104	103	100	99	100	97	95	94	92	91	95	95
h Diversion	83	65	66	67	72	77	70	80	67	59	48	47	59	62	94	110
River Canal Diversions	89	30	78	76	96	116	73	109	103	104	116	105	94	73	56	70
at End	14	36	58	62	67	100	78	64	86	86	86	88	85	64	31	11

LOCATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	AUGUST 15	16
Head	280	277	280	284	286	286	288	282	276	271	273	258	270	272	273	280
Fall River Canal	97	97	108	105	103	106	98	96	95	92	87	92	92	89	90	90
Diversion	91	91	90	89	91	92	94	95	93	91	91	85	95	91	98	98
h Diversion	104	111	120	122	122	129	124	126	125	114	113	104	107	86	86	86
River Canal Diversions	182	172	178	178	176	171	168	157	153	158	156	161	160	184	179	179
at End	173	156	160	142	145	142	143	133	130	133	132	142	136	136	156	156

LOCATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Head	263	266	136	103	106	96	93	92	86	85	90	92	98	96	96	96
Fall River Canal	100	100	100	97	92	84	84	84	82	84	84	83	82	82	82	82
Diversion	78	72	69	66	67	66	65	65	65	62	61	61	61	61	61	61
h Diversion	77	60	66	65	65	53	54	53	45	46	44	45	7	32	32	32
River Canal Diversions	208	234	101	69	66	61	58	58	58	61	69	69	113	85	85	85
at End	196	205	92	72	61	64	64	57	59	71	80	80	89	106	105	105

SEASONS LOSS = 2,348 ÷ 13,534 = 17.3 %
 TOTAL INTO TETON RIVER FOR SEASON = 11,186 C.F.S. = 22,187

STREAM							
	1	2	3	4	5	6	7
UPPER TETON RIVER							
TRAIL CREEK ABOVE STRING CANAL							
GAME CREEK NEAR MOUTH							
STRING CANAL (INCLUDES WARM CREEK)							
KIMBALL							
RICKS - KEARSLEY							
TOWN							
SPENCER							
HUMBLE							
TONKS							
FOX CREEK ABOVE DIVERSIONS							
NORTH CANAL ABOVE PIPE LINE							
CENTER CANAL							
DARBY CREEK ABOVE DIVERSIONS							
WINGER CANAL (WYO)							
HILL							
TODD							
CANNON							
CHERRY GROVE							
TETON CREEK ABOVE DIVERSIONS							
MILL CREEK							
NORTH CANAL							
SOUTH CANAL							
WADDELL							
TOTAL WYOMING DIVERSIONS							
GRAND TETON CANAL							
TETON CREEK BELOW GRAND TETON CANAL							
CENTRAL CANAL (IDAHO)							
PRICE - FAIRBANKS							
DRAKE							
GROVE							
BOUQUET							
HENDERSON							
SOUTH TWIN							
NORTH TWIN							
MAHOGANY							
HORSESHOE							
PACKSADDLE							
PATTERSON							
SOUTH LEIGH CREEK AT STATE LINE							
LEIGH CREEK CANAL ABOVE STATE LINE							
KILPACK							
DESERT							
GALE - MOFFAT							
BELL - MCCrackEN							
BLACK							
NORTH LEIGH CREEK AT FOREST BOUNDARY							
NORTH							
WEAVER							
SI DITCH							
CENTER							
HUBBARD							
SPRING CREEK AT HIGHWAY							
TETONIA							
BRECKENRIDGE							
HANKS							
BLAIR							
FULLMER							
BADGER CREEK AT RAMMELL ROAD							
HADEN							
PHILLIP							
RICKS							
STEWART							
WARD							
CANYON CREEK CANAL							
BOOM CREEK CANAL							
MAIN RIVER AND HENRYS FORK							
PALISADES CANAL							
PALISADES CREEK BELOW CANAL							
RAINEY CREEK ABOVE DIVERSIONS							
RAINEY CREEK BELOW MCKAY DAM							
CONANT CREEK CANAL							
MARKET LAKE SPRINGS							

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	986	2.2	386	390	399	399	394	1,480	5,080	3,750	2,740	2,580
2	818	2.2	386	390	399	399	399	1,480	5,080	3,640	2,720	2,580
3	618	2.2	386	390	399	399	399	1,490	5,090	4,070	2,710	2,570
4	412	2.2	386	390	399	399	399	1,850	5,110	4,520	2,710	2,560
5	208	2.4	386	390	399	399	399	2,110	4,920	4,010	2,700	2,550
6	97	2.4	386	390	399	399	399	2,100	3,810	3,610	2,700	2,540
7	15	2.4	386	390	399	399	394	2,100	3,670	3,600	2,700	2,560
8	4.1	2.4	386	390	399	399	399	2,100	3,740	3,350	2,690	2,650
9	2.4	2.6	386	390	399	399	394	2,090	4,060	3,130	2,690	2,640
10	2.2	2.6	381	390	399	399	399	2,090	4,740	2,840	2,680	2,630
11	2.4	2.6	381	390	399	399	399	2,310	5,110	2,830	2,650	2,620
12	2.4	2.6	381	390	399	399	399	2,530	4,420	2,830	2,650	2,610
13	2.6	2.4	381	390	399	399	399	2,520	4,600	2,830	2,640	2,600
14	2.0	2.6	386	390	399	399	404	2,520	4,580	2,820	2,640	2,580
15	2.0	2.6	386	390	399	399	404	2,630	4,280	2,810	2,630	2,650
16	2.0	2.8	386	394	399	399	404	3,180	3,700	2,810	2,620	2,750
17	2.0	2.6	386	394	399	399	404	3,890	3,220	2,810	2,610	2,780
18	2.2	2.6	386	399	399	399	404	4,130	3,060	2,820	2,610	2,780
19	2.2	2.6	386	399	399	399	404	4,120	3,060	2,820	2,610	2,780
20	2.0	2.6	386	399	399	399	676	4,100	3,080	2,820	2,620	2,770
21	2.2	2.6	386	399	399	399	958	4,100	3,110	2,820	2,600	2,560
22	2.4	2.6	386	399	399	399	965	4,080	3,150	2,810	2,600	2,760
23	2.4	2.6	386	399	399	399	965	3,490	3,470	2,810	2,580	2,750
24	2.2	89	386	399	399	399	958	1,300	3,630	2,800	2,610	2,740
25	2.0	151	386	399	399	399	958	602	3,960	2,770	2,630	2,720
26	1.4	307	386	399	399	399	958	602	4,280	2,770	2,630	2,710
27	1.0	386	386	399	399	399	1,150	608	4,930	2,770	2,620	2,700
28	.3	386	386	399	399	399	1,480	613	5,330	2,770	2,620	2,710
29	1.0	386	386	399	399	399	1,480	1,820	5,570	2,760	2,620	2,700
30	2.2	386	386	399	399	399	1,480	4,330	95,080	2,760	2,610	2,620
31	2.2		390	399	399	399		5,110		2,740	2,600	

MEAN	103	71.6	385	394	399	654	2,499	4,231	3,074	2,646	2,658
ACRE- FEET	6,350	4,260	23,700	24,250	22,160	38,920	153,700	251,700	189,000	162,700	158,200

U. S. GOVERNMENT PRINTING OFFICE 16-00060-1

SNAKE RIVER AT MORAN, WYO.

YEAR
OR
PERIOD
1946

MEAN
ACRE-
FEET
1,463
1,060,000

Plate No. 26

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	224	192	132	135	130	120	125	119	1,250	2,040	575	279
2	224	168	130	135	130	120	125	126	1,630	2,140	550	276
3	231	176	130	135	132	120	125	145	2,280	2,420	520	272
4	224	189	130	133	133	120	125	183	2,950	2,400	495	262
5	218	189	130	125	126	120	125	222	3,370	2,560	480	308
6	221	184	130	120	128	122	130	269	3,490	2,500	475	366
7	212	186	130	120	128	123	140	316	3,450	2,140	456	405
8	218	181	130	125	128	125	140	286	3,120	1,970	443	316
9	224	179	130	130	128	125	138	241	3,600	1,930	425	283
10	218	181	130	130	128	125	132	225	3,100	1,770	413	269
11	212	181	130	130	125	125	130	194	2,500	1,780	401	258
12	192	184	130	130	125	125	128	194	2,010	1,540	389	248
13	184	184	130	130	125	125	124	180	1,650	1,410	377	252
14	209	182	130	130	123	125	124	180	1,740	1,360	366	262
15	195	180	130	130	123	125	124	192	1,660	1,150	358	252
16	198	175	132	130	123	125	122	265	1,570	1,070	350	252
17	201	140	135	130	122	125	121	425	1,590	1,040	342	245
18	198	126	140	133	120	122	122	670	2,000	1,050	331	241
19	198	130	142	135	120	122	126	853	2,520	996	323	235
20	195	133	145	138	120	122	126	1,040	3,220	879	316	241
21	198	135	145	140	120	122	124	1,200	3,610	828	316	269
22	195	135	143	140	120	122	126	1,160	3,980	780	301	262
23	195	135	140	145	120	122	131	1,210	4,000	742	294	252
24	195	135	140	145	120	122	126	1,160	4,000	686	283	252
25	201	135	135	140	120	122	126	1,630	4,300	660	276	232
26	195	135	133	140	120	125	128	2,130	4,220	660	272	238
27	192	135	132	135	120	125	128	2,500	4,130	650	276	235
28	201	135	132	132	120	125	128	2,530	4,520	645	338	232
29	195	135	132	128	120	125	124	1,900	3,940	720	308	232
30	189	135	132	125	120	125	122	1,650	3,060	660	286	228
31	195	135	135	120	120	125	122	1,290	620	620	279	

MEAN	205	160	134	132	124	123	127	796	2,949	1,348	375	265
ACRE- FEET	12,590	9,500	8,220	8,120	6,900	7,580	7,570	48,960	175,500	82,900	23,040	15,780

U. S. GOVERNMENT PRINTING OFFICE 16-60098-1
 YEAR OR PERIOD 562
 MEAN ACRE-
 FEET 406,600
 BUFFALO FORK ABOVE LAVA CREEK NEAR MORAN, WYO.
 Plate No. 27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,750	1,470	1,200	1,180	1,400	1,480	1,400	2,790	13,000	13,700	6,070	4,430
2	2,500	1,430	1,200	1,180	1,420	1,480	1,450	2,900	13,600	11,000	5,880	4,410
3	2,300	1,390	1,200	1,180	1,450	1,450	1,450	3,300	15,000	11,200	5,710	4,390
4	2,150	1,380	1,200	1,180	1,490	1,450	1,420	3,740	16,800	11,800	5,610	4,280
5	2,000	1,410	1,180	1,180	1,520	1,440	1,440	4,680	18,200	12,200	5,520	4,390
6	1,970	1,400	1,150	1,180	1,530	1,400	1,530	5,310	18,400	11,800	5,520	4,660
7	1,910	1,410	1,130	1,180	1,520	1,430	1,680	5,970	17,600	11,500	5,380	4,870
8	1,790	1,390	1,110	1,180	1,490	1,470	1,680	6,070	17,400	10,800	5,270	4,720
9	1,760	1,370	1,110	1,200	1,480	1,490	1,670	5,670	18,300	10,200	5,290	4,620
10	1,740	1,360	1,110	1,250	1,570	1,420	1,770	5,740	19,100	9,650	5,090	4,560
11	1,720	1,380	1,160	1,250	1,600	1,390	2,000	5,140	17,300	9,350	5,020	4,450
12	1,680	1,370	1,200	1,280	1,530	1,410	1,920	5,240	15,900	9,110	4,870	4,430
13	1,610	1,370	1,260	1,300	1,510	1,440	1,800	5,260	14,200	8,860	4,810	4,450
14	1,570	1,340	1,230	1,330	1,490	1,450	1,770	5,190	13,500	8,520	4,760	4,430
15	1,560	1,320	1,220	1,350	1,480	1,490	1,720	5,340	13,300	8,110	4,720	4,390
16	1,560	1,330	1,200	1,380	1,470	1,500	1,630	6,400	12,300	7,700	4,680	4,450
17	1,580	1,310	1,230	1,400	1,500	1,510	1,630	8,230	11,600	7,520	4,640	4,510
18	1,630	1,100	1,300	1,430	1,400	1,380	1,660	10,400	11,600	7,460	4,530	4,510
19	1,600	1,050	1,340	1,470	1,330	1,440	1,720	11,400	12,400	7,330	4,470	4,510
20	1,560	1,030	1,340	1,500	1,300	1,420	1,680	12,100	13,900	7,200	4,490	4,510
21	1,520	1,100	1,340	1,540	1,330	1,440	1,850	12,800	15,200	6,990	4,450	4,580
22	1,500	1,130	1,340	1,700	1,380	1,440	2,120	12,600	16,400	7,040	4,410	4,600
23	1,500	1,150	1,340	1,740	1,400	1,450	2,220	12,800	17,200	6,780	4,370	4,580
24	1,500	1,250	1,340	1,770	1,450	1,480	2,260	11,900	17,900	6,520	4,300	4,560
25	1,540	1,200	1,250	1,660	1,430	1,460	2,260	11,100	17,900	6,320	4,320	4,530
26	1,510	1,200	1,250	1,600	1,420	1,460	2,400	12,100	18,100	6,240	4,260	4,490
27	1,490	1,200	1,250	1,660	1,420	1,430	2,490	13,300	17,700	6,240	4,260	4,490
28	1,530	1,200	1,250	1,560	1,450	1,440	2,670	14,900	18,500	6,170	4,450	4,470
29	1,520	1,200	1,250	1,510		1,450	2,790	13,500	18,500	6,420	4,530	4,430
30	1,470	1,200	1,240	1,430		1,440	2,790	13,500	16,700	6,400	4,430	4,410
31	1,460		1,190	1,350		1,430		13,500		6,320	4,370	

MEAN	1,725	1,281	1,229	1,390	1,456	1,447	1,896	8,480	15,917	8,595	4,854	4,504
ACRE- FEET	106,100	76,250	75,590	85,490	80,850	88,980	112,800	521,400	947,100	528,500	298,500	268,000

Plate No. 28

4,406

MEAN

YEAR
OR
PERIOD

U. S. GOVERNMENT PRINTING OFFICE 16-00060-1
 SNAKE RIVER ABOVE RESERVOIR NEAR ALPINE, WYO.

3,190,000

ACRE-
FEET

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	314	264	165	145	175	186	174	254	2,630	1,630	665	473
2	330	240	165	145	175	186	189	318	2,840	1,530	653	473
3	343	244	165	145	175	183	186	518	3,460	1,490	634	462
4	326	247	165	140	175	186	177	770	3,550	1,480	609	451
5	318	244	165	140	175	183	183	973	3,860	1,480	601	462
6	314	244	160	140	175	171	198	1,200	3,610	1,470	583	530
7	314	244	160	140	175	177	237	1,430	3,520	1,390	583	589
8	301	240	160	140	175	189	254	1,370	3,700	1,300	570	495
9	301	240	160	140	175	195	254	1,070	3,990	1,230	577	451
10	301	247	160	145	170	174	305	1,030	3,700	1,200	536	451
11	297	244	160	145	170	162	371	878	3,100	1,160	530	435
12	297	250	165	150	170	171	309	851	2,750	1,090	501	425
13	275	247	170	150	170	183	282	837	2,370	1,040	501	420
14	305	247	165	155	170	192	279	810	2,220	1,020	490	420
15	279	240	165	160	170	195	254	921	2,070	981	473	420
16	297	261	165	160	170	192	227	1,310	2,030	950	473	414
17	294	244	170	170	170	198	237	1,980	1,960	936	473	404
18	297	211	170	175	170	180	227	2,670	2,010	921	478	404
19	297	190	175	180	170	183	250	2,920	2,180	892	468	399
20	290	160	175	185	165	171	247	3,230	2,520	878	473	404
21	286	160	175	190	170	183	227	3,320	2,650	844	501	414
22	286	165	180	195	170	186	237	2,920	2,940	844	495	414
23	279	170	175	195	170	186	244	3,050	2,990	817	484	399
24	279	170	170	190	170	195	247	2,990	3,020	770	478	394
25	279	175	160	190	170	180	247	3,050	3,020	750	473	394
26	275	175	160	190	170	183	282	3,290	2,790	717	473	384
27	268	170	155	190	170	183	318	3,350	2,650	691	473	380
28	294	170	150	185	170	183	294	3,370	2,580	704	490	380
29	275	170	150	180	177	177	264	3,260	2,180	736	495	371
30	268	165	145	180	186	186	254	3,100	1,860	743	473	371
31	264	164	145	175	192	192	254	2,540	1,860	698	468	

MEAN	295	215	164	165	171	184	248	1,922	2,825	1,045	522	429
ACRE- FEET	18,140	12,770	10,060	10,140	9,520	11,290	14,780	118,200	168,100	64,230	32,080	25,550

U. S. GOVERNMENT PRINTING OFFICE 16-60086-1
 GREYS RIVER ABOVE RESERVOIR NEAR ALPINE, WYO.
 YEAR 1933 MEAN 683 Plate No. 29
 PERIOD ACRE-Feet 494,800

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

SALT RIVER ABOVE RESERVOIR NEAR ETNA, WYO.

NO. 13027500
829,000 SQ MI

DRAINAGE AREA

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	598	591	494	350	461	383	371	609	1,790	1,080	850	679
2	605	577	480	360	454	396	385	665	1,760	985	817	683
3	612	577	480	370	454	383	385	869	1,720	941	802	690
4	612	584	480	370	448	383	377	1,120	1,650	920	786	676
5	612	577	480	338	435	383	385	1,280	1,600	882	767	713
6	619	577	468	331	448	376	422	1,390	1,580	876	751	784
7	619	570	474	376	442	383	492	1,610	1,540	903	737	812
8	612	570	468	370	435	390	540	1,520	1,590	882	714	754
9	605	570	468	402	428	390	556	1,320	1,580	868	668	745
10	605	570	468	416	416	383	625	1,400	1,580	861	656	740
11	591	570	463	409	422	383	799	1,230	1,470	874	654	736
12	598	563	474	409	435	384	787	1,140	1,530	907	630	726
13	591	563	474	409	428	390	704	1,100	1,520	901	617	725
14	591	556	474	416	428	390	664	1,070	1,550	904	602	723
15	598	549	474	422	428	396	604	1,090	1,510	885	595	715
16	598	549	468	422	422	386	556	1,280	1,490	857	591	718
17	598	542	461	428	428	400	550	1,660	1,420	836	581	716
18	605	521	454	435	422	396	599	1,960	1,370	786	579	715
19	605	521	461	409	409	389	703	2,140	1,330	747	581	708
20	598	528	437	442	396	380	632	2,230	1,300	730	577	711
21	598	528	487	442	402	385	576	2,290	1,290	731	579	727
22	591	528	528	500	396	380	569	2,170	1,240	820	593	728
23	591	514	521	542	396	378	605	2,110	1,230	821	597	726
24	591	514	500	528	383	384	646	2,050	1,190	797	600	735
25	584	507	487	507	383	383	663	2,130	1,200	794	584	731
26	584	507	487	494	376	396	709	2,220	1,200	776	589	729
27	591	500	487	514	376	384	753	2,280	1,200	772	587	730
28	612	494	454	507	376	385	686	2,280	1,200	852	596	724
29	605	494	420	480	-----	386	631	2,200	1,190	940	640	716
30	591	494	390	461	-----	377	611	2,110	1,140	921	651	704
31	591	-----	350	454	-----	376	-----	1,910	-----	900	667	-----
TOTAL	18,601	16,305	14,566	13,339	11,727	11,958	17,585	50,433	42,960	26,749	20,238	21,719
MEAN	600	544	470	430	419	386	586	1,627	1,432	863	653	724
MAX	619	591	528	542	461	400	799	2,290	1,790	1,080	850	812
MIN	584	494	350	331	376	376	371	609	1,140	730	577	676
AC-FT	36,900	32,340	28,890	26,460	23,260	23,720	34,880	100,000	85,210	53,060	40,140	43,080
CAL YR 1969	TOTAL 259,041	MEAN 710	MIN 350	AC-FT 513,800								
WTR YR 1970	TOTAL 266,180	MEAN 729	MIN 331	AC-FT 528,000								

SALT RIVER ABOVE RESERVOIR NEAR ETNA, WYOMING

Plate No. 30

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

BEAR CREEK ABOVE RESERVOIR NEAR IRWIN, IDAHO

NO. 13032000
77.100 SQ MI

DRAINAGE AREA

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DAY	OCT.	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	27	20	18	21	23	22	46	362	135	66	43
2	32	26	20	18	21	23	24	52	368	130	64	41
3	32	26	21	20	22	22	23	74	407	122	61	40
4	32	26	22	20	22	22	24	112	407	122	61	40
5	31	27	21	20	21	22	25	150	395	118	61	47
6	30	26	20	18	21	21	33	200	365	114	60	51
7	30	28	21	18	20	22	40	236	356	113	58	46
8	30	28	22	19	19	23	41	215	353	108	56	42
9	30	27	23	20	19	23	46	190	353	104	54	40
10	30	27	24	21	20	22	58	190	329	103	53	38
11	30	27	23	23	21	21	61	165	298	101	52	39
12	28	27	23	24	22	22	55	150	285	97	50	39
13	28	26	22	24	22	23	52	139	273	94	49	39
14	28	24	22	23	21	23	48	133	263	90	48	39
15	28	23	21	22	20	23	46	158	257	88	47	39
16	30	24	20	22	20	23	42	260	250	86	47	38
17	31	22	21	22	22	23	42	392	241	86	45	37
18	32	20	22	22	20	23	42	528	235	86	44	37
19	31	21	22	22	18	23	47	560	230	87	44	37
20	30	22	24	22	16	22	46	636	225	86	44	39
21	30	23	26	22	20	22	46	704	221	86	43	39
22	28	23	28	30	20	22	44	624	218	86	42	38
23	28	20	25	30	20	22	44	556	212	81	41	37
24	28	21	24	26	20	23	44	488	206	78	41	37
25	28	21	23	22	21	23	46	544	192	76	41	36
26	28	22	24	22	20	24	50	572	180	74	40	36
27	28	20	22	24	21	25	48	592	173	75	41	35
28	31	20	20	23	23	24	47	540	163	75	43	35
29	28	20	17	21	-----	23	46	473	152	74	42	34
30	27	20	16	21	-----	23	44	424	142	71	41	34
31	27	-----	18	21	-----	23	-----	380	-----	68	41	-----
TOTAL	914	714	677	680	573	703	1,276	10,483	8,096	2,918	1,522	1,173
MEAN	29.5	23.8	21.8	21.9	20.5	22.7	42.5	338	270	94.1	49.1	39.1
MAX	32	28	28	30	23	25	61	704	407	135	66	51
MIN	27	20	16	18	16	21	22	46	142	68	40	34
CFSM	.38	.31	.28	.28	.27	.29	.55	4.39	3.50	1.22	.64	.51
IN.	.44	.34	.33	.33	.28	.34	.62	5.06	3.91	1.41	.73	.57
AC-FT	1,810	1,420	1,340	1,350	1,140	1,390	2,530	20,790	16,060	5,790	3,020	2,330
CAL YR 1969	TOTAL 31,855	MEAN 87.3	MAX 506	MIN 16	MIN 16	CFSM 1.13	IN 15.37	AC-FT 63,180				
WTR YR 1970:	TOTAL 29,729	MEAN 81.4	MAX 704	MIN 16	MIN 16	CFSM 1.06	IN 14.34	AC-FT 58,970				

BEAR CREEK ABOVE RESERVOIR NEAR IRWIN, IDAHO

Plate No. 31

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,850	1,760	1,040	1,090	1,100	1,120	1,110	9,640	15,100	18,500	11,900	8,580
2	4,850	1,760	1,040	1,080	1,110	1,120	1,120	9,640	15,200	12,400	11,700	8,430
3	4,850	1,640	1,050	1,080	1,100	1,120	1,110	9,640	15,200	13,700	11,500	8,040
4	3,910	1,640	1,050	1,080	1,100	1,110	1,110	10,600	15,200	15,800	11,400	7,910
5	3,800	1,710	1,100	1,080	1,100	1,160	1,100	11,600	15,200	16,100	11,600	7,380
6	3,800	1,650	1,050	1,080	1,130	1,180	1,110	11,600	15,200	15,900	11,600	6,590
7	3,180	1,640	1,070	1,430	1,160	1,110	1,120	11,600	15,100	15,300	11,400	6,520
8	3,180	1,690	1,070	1,480	1,180	1,120	1,110	12,000	15,200	15,100	11,300	6,560
9	3,160	1,650	1,080	1,480	1,140	1,120	3,290	13,000	15,200	14,000	11,100	5,610
10	2,680	1,660	1,080	1,120	1,120	1,120	5,370	13,400	15,200	13,100	10,800	5,090
11	2,680	1,650	1,090	1,080	1,100	1,120	5,570	13,400	15,200	12,800	10,600	5,090
12	2,680	1,650	1,090	1,080	1,120	1,120	5,580	13,400	15,200	12,800	10,600	5,090
13	2,680	1,640	1,090	1,080	1,120	1,130	5,580	13,900	15,200	12,400	10,700	5,090
14	2,400	1,640	1,090	1,070	1,110	1,130	5,580	14,300	15,200	11,300	10,700	5,100
15	2,400	1,640	1,090	1,070	1,110	1,120	5,570	14,900	15,200	10,800	10,700	5,100
16	2,400	1,640	1,110	1,070	1,950	1,130	5,580	15,300	15,100	11,000	10,700	5,100
17	2,320	1,620	1,110	1,060	2,220	1,130	5,580	15,300	15,200	11,600	10,500	5,130
18	2,180	1,630	1,100	1,050	2,370	1,120	5,570	15,300	15,200	12,000	10,200	5,110
19	2,190	1,620	1,100	1,070	1,860	1,110	5,570	15,300	15,200	12,500	9,960	5,130
20	2,180	1,250	1,100	1,070	1,110	1,120	5,590	15,300	15,200	12,400	9,860	5,130
21	2,190	1,210	1,090	1,070	1,120	1,120	5,580	15,300	15,200	12,600	9,740	5,140
22	1,860	1,210	1,090	1,080	1,120	1,120	5,570	15,200	15,200	13,000	9,660	5,110
23	1,720	2,720	1,090	1,070	1,120	1,130	7,840	15,200	16,200	12,900	9,700	5,120
24	1,680	1,130	1,090	1,080	1,110	1,140	7,840	14,100	18,400	12,000	9,540	5,140
25	1,550	1,090	1,090	1,070	1,120	1,130	7,840	13,300	19,700	11,900	9,390	5,010
26	1,530	1,030	1,100	1,080	1,120	1,120	7,860	13,300	19,700	12,000	9,370	5,000
27	1,560	1,030	1,090	1,070	1,120	1,110	8,320	13,200	20,300	11,900	9,240	5,000
28	1,740	1,030	1,090	1,150	1,120	1,110	9,090	13,200	21,800	11,900	9,300	5,000
29	1,740	1,030	1,090	1,090	1,120	1,110	9,650	13,800	23,200	11,900	9,100	5,020
30	1,750	1,040	1,080	1,110	1,120	1,110	9,640	14,200	22,800	11,900	8,920	4,760
31	1,740	1,090	1,090	1,100	1,120	1,110	14,800	14,800	22,800	11,900	8,720	---
TOTAL	81,430	45,300	33,590	34,680	35,250	34,820	152,320	414,720	496,200	403,400	321,500	171,980
MEAN	2,627	1,510	1,084	1,119	1,259	1,123	5,077	13,380	16,540	13,010	10,370	5,733
MAX	4,850	2,720	1,110	1,480	2,370	1,180	9,650	15,300	23,200	18,500	11,900	8,580
MIN	1,530	1,030	1,040	1,060	1,100	1,110	1,100	9,640	15,100	10,800	8,720	4,760
AC-FT	161,500	89,850	66,630	68,790	69,920	69,070	302,100	822,200	984,200	800,100	637,700	341,100
CAL YR 1969	TOTAL 2,370,460	MEAN 6,494	MAX 15,000	MIN 1,030	AC-FT 4,702,000							
WTR YR 1970	TOTAL 2,225,190	MEAN 6,096	MAX 23,200	MIN 1,030	AC-FT 4,414,000							

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5,260	2,180	1,420	1,420	1,520	1,670	1,520	10,000	16,800	20,300	12,200	8,950
2	5,230	2,160	1,420	1,420	1,520	1,600	1,540	10,000	16,800	14,200	12,100	8,880
3	5,290	2,100	1,410	1,480	1,510	1,560	1,520	10,100	16,900	13,100	11,800	8,610
4	4,740	2,060	1,410	1,380	1,500	1,540	1,540	10,700	16,900	16,300	11,600	8,300
5	4,240	2,100	1,440	1,380	1,480	1,520	1,590	12,300	16,800	16,400	11,800	8,070
6	4,240	2,060	1,420	1,360	1,480	1,600	1,700	12,500	16,900	16,700	11,900	7,420
7	3,840	2,060	1,440	1,600	1,540	1,600	1,630	12,700	16,800	15,900	11,800	7,070
8	3,570	2,080	1,420	1,800	1,540	1,600	1,590	12,600	16,800	15,800	11,600	7,040
9	3,550	2,080	1,440	1,800	1,540	1,570	3,090	13,400	16,900	14,900	11,500	6,400
10	3,300	2,080	1,450	1,600	1,480	1,520	5,430	14,200	16,800	13,900	11,200	5,680
11	3,050	2,080	1,480	1,520	1,460	1,510	6,280	14,100	16,500	13,400	10,900	5,450
12	3,050	2,060	1,450	1,520	1,460	1,510	6,250	14,100	16,300	13,400	11,000	5,450
13	3,030	2,060	1,440	1,520	1,460	1,520	6,220	14,400	16,200	13,200	10,900	5,510
14	2,900	2,060	1,450	1,510	1,480	1,520	6,250	14,900	16,300	12,000	10,900	5,510
15	2,750	2,040	1,450	1,520	1,500	1,620	6,220	15,200	16,300	11,300	10,900	5,510
16	2,750	2,060	1,450	1,540	1,920	1,570	6,160	15,900	16,200	11,300	10,900	5,510
17	2,750	2,040	1,460	1,570	2,770	1,570	6,190	16,400	16,200	11,800	10,800	5,510
18	2,600	1,990	1,450	1,540	2,830	1,540	6,220	17,000	16,200	12,400	10,500	5,480
19	2,530	2,010	1,440	1,560	2,750	1,510	6,250	17,100	16,200	12,700	10,200	5,510
20	2,510	1,780	1,460	1,600	1,710	1,500	6,250	17,200	16,100	12,700	10,000	5,540
21	2,510	1,600	1,500	1,570	1,520	1,540	6,220	17,400	16,100	12,800	9,990	5,510
22	2,370	1,590	1,520	1,710	1,520	1,540	6,220	17,300	16,000	13,200	9,850	5,510
23	2,160	2,290	1,510	1,670	1,520	1,560	7,490	17,200	16,500	13,100	9,880	5,510
24	2,060	2,310	1,450	1,600	1,520	1,570	8,240	16,500	18,700	12,300	9,780	5,510
25	2,060	1,510	1,450	1,500	1,520	1,570	8,240	15,300	21,000	12,100	9,600	5,430
26	1,920	1,460	1,450	1,460	1,520	1,570	8,300	15,500	20,900	12,100	9,570	5,370
27	1,920	1,420	1,480	1,520	1,510	1,520	8,570	15,700	21,300	12,200	9,640	5,340
28	2,040	1,420	1,450	1,540	1,540	1,570	9,360	15,500	22,500	12,100	9,460	5,340
29	2,120	1,410	1,450	1,460		1,540	10,000	15,600	24,400	12,200	9,400	5,340
30	2,120	1,420	1,440	1,460		1,520	10,000	16,100	25,000	12,200	9,260	5,170
31	2,180		1,420	1,460		1,520		16,100		12,200	9,120	

MEAN	3,053	1,919	1,449	1,535	1,665	1,554	5,536	14,610	17,780	13,490	10,650	6,181
ACRE- FEET	187,700	114,200	89,100	94,390	92,470	95,550	329,400	898,500	1,058,000	829,500	654,700	367,800

U. S. GOVERNMENT PRINTING OFFICE 16-00068-1
SNAKE RIVER NEAR HEISE, IDAHO
 YEAR 1954 MEAN 6,645 Plate No. 34
 PERIOD 4,811,000 ACRE-FEET

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	72,600											
2												
3		75,600										
4												
5												74,100
6							84,600	84,200	88,000			
7												
8												
9												
10										89,200		
11			78,400						90,700			
12												
13								84,900				
14												
15												
16												
17								85,100	91,200			
18												
19												
20												
21											78,700	
22												
23												
24										87,500		
25												
26												73,600
27				82,300	82,500							
28				82,600								
29												
30												
31	*75,200	*77,500	*80,000	*82,300		*84,300	*84,300	*87,000	*90,100	87,100	*86,700	*73,700

* Interpolated.

MEAN ACRE- FEET	YEAR OR PERIOD	MEAN ACRE- FEET

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	44	16	15	20	24	26	28	94	132	208	193	181
2	18	17	15	20	24	27	28	94	130	206	189	181
3	18	17	15	20	24	27	28	94	117	199	187	181
4	17	17	16	20	24	27	28	95	101	193	185	181
5	17	18	16	21	24	27	27	95	104	183	183	181
6	17	18	17	21	24	26	28	95	112	179	181	181
7	16	18	17	21	24	26	30	97	104	175	183	163
8	16	18	17	21	24	27	30	98	93	169	181	87
9	16	18	18	21	24	27	30	101	112	165	181	88
10	17	18	18	21	24	27	31	103	146	161	181	88
11	17	18	18	21	24	27	61	103	149	153	181	88
12	16	18	17	22	25	27	101	104	193	140	181	88
13	15	18	17	22	25	27	101	104	246	140	181	88
14	15	18	17	22	25	27	101	106	258	136	181	88
15	15	18	18	22	25	27	100	107	314	130	181	88
16	15	18	18	22	25	27	100	107	316	126	181	88
17	15	18	18	22	25	27	100	95	321	125	181	88
18	15	18	18	22	25	27	100	81	280	123	181	87
19	15	18	18	22	25	27	100	81	262	121	181	70
20	15	18	18	23	25	27	100	81	257	117	181	27
21	15	18	18	23	25	27	100	83	255	114	181	27
22	15	18	19	23	25	27	100	86	239	117	181	27
23	15	18	19	23	25	27	100	86	202	115	181	27
24	15	17	19	23	25	28	98	88	202	112	181	27
25	16	16	19	23	25	28	97	98	206	109	181	27
26	16	15	19	24	25	28	95	138	204	106	181	27
27	16	15	19	24	25	28	94	138	206	103	181	27
28	16	15	19	24	25	28	94	140	213	98	181	26
29	16	15	20	24	25	28	94	138	208	88	181	25
30	16	15	20	24	25	28	94	144	210	110	181	25
31	16	16	20	24	25	28	94	138	210	199	181	25

MEAN	16.8	17.2	17.8	22.1	24.6	27.2	73.9	104	196	143	182	85.9
TOTAL	1,030	1,030	1,090	1,360	1,370	1,670	4,400	6,370	11,690	8,770	11,200	5,110

GOVERNMENT PRINTING OFFICE 16-00066-1
 HENRY'S FORK NEAR LAKE, IDAHO
 YEAR OR PERIOD _____ MEAN _____
 76.1
 ACRES-FEET _____ 55,080
 Plate No. 36

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	658	558	10	362	17	531	447	584	1500	1110	1390	1110
2	658	563	10	362	17	573	452	584	1420	1080	1390	1130
3	658	558	10	362	17	547	447	589	1380	1050	1390	1130
4	653	547	10	362	17	531	443	600	1380	1020	1390	1140
5	653	552	10	362	17	516	443	621	1380	980	1390	1040
6	653	552	10	208	95	501	447	658	1400	950	1400	914
7	653	547	10	15	145	491	447	696	1420	938	1380	896
8	648	547	10	15	194	511	457	728	1520	920	1390	884
9	542	542	10	15	229	547	462	767	1700	890	1390	866
10	610	536	10	15	255	531	467	812	1990	866	1390	860
11	605	536	10	15	288	511	491	830	2080	866	1400	860
12	600	536	10	15	320	491	496	824	1970	872	1400	860
13	573	536	10	15	362	486	511	806	1890	866	1400	860
14	542	531	10	15	380	486	552	778	1860	818	1400	866
15	542	183	10	15	399	501	579	762	1810	800	1400	836
16	547	10	10	15	409	501	579	778	1870	772	1390	812
17	547	10	12	15	428	521	573	842	1860	914	1390	784
18	547	10	12	15	438	491	573	968	1800	1150	1390	756
19	552	10	182	15	438	476	579	1120	1700	1150	1400	756
20	552	10	362	15	443	467	600	1370	1630	1160	1400	762
21	547	10	362	15	443	462	600	1720	1540	1150	1410	756
22	552	10	362	15	447	452	605	1940	1500	1150	1410	756
23	552	10	362	15	452	447	610	2070	1430	1210	1410	762
24	547	10	362	15	457	452	589	2060	1360	1310	1410	750
25	552	10	362	15	462	447	584	2010	1300	1400	1420	750
26	552	10	362	17	471	447	626	1960	1240	1350	1420	745
27	552	10	362	17	467	443	637	1930	1220	1360	1420	745
28	552	10	362	17	471	457	632	1900	1210	1380	1420	734
29	558	10	362	17		462	610	1820	1150	1390	1420	718
30	563	10	362	17		452	595	1720	1150	1390	1420	690
31	558		362	17		447		1590		1390	1280	

MEAN	583	266	152	77.6	306	490	538	1,175	15,550	1,086	1,397	851
ACRE- FEET	35,860	15,820	9,340	4,770	17,010	30,110	32,000	72,270	92,550	66,750	85,910	50,630

U. S. GOVERNMENT PRINTING OFFICE 16-00006-1

YEAR OR PERIOD 709
MEAN 709
ACRE-FEET 513,000

HENRYS FORK NEAR ISLAND PARK, IDAHO

Plate No. 38

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

HENRY'S FORK NEAR ASHTON, IDAHO

ND. 13046000
1040.000 SQ MI

DRAINAGE AREA

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,540	1,500	814	935	728	1,220	1,280	1,400	3,490	2,320	2,410	2,370
2	1,640	1,480	827	1,130	728	1,420	1,260	1,430	3,400	2,190	2,430	2,230
3	1,600	1,480	814	1,100	827	1,350	1,260	1,490	3,460	2,130	2,410	2,230
4	1,560	1,480	894	1,050	752	1,220	1,260	1,620	3,440	2,050	2,420	2,230
5	1,540	1,500	814	922	728	1,220	1,280	1,740	3,360	2,080	2,420	2,320
6	1,540	1,500	814	1,010	814	1,240	1,310	1,900	3,300	2,030	2,440	2,110
7	1,520	1,540	776	922	840	1,180	1,350	2,080	3,240	2,020	2,440	1,930
8	1,560	1,560	868	728	894	1,190	1,330	2,070	3,210	1,980	2,450	1,870
9	1,560	1,520	894	840	908	1,330	1,340	2,120	3,610	1,940	2,440	1,850
10	1,520	1,520	894	908	950	1,280	1,420	2,340	4,200	1,920	2,420	1,830
11	1,520	1,540	868	854	1,010	1,280	1,480	2,270	4,030	1,950	2,380	1,780
12	1,500	1,540	881	840	1,050	1,260	1,430	2,200	3,720	1,970	2,440	1,780
13	1,260	1,480	894	854	1,070	1,280	1,420	2,110	3,440	1,940	2,390	1,840
14	1,380	1,480	894	827	1,110	1,180	1,440	2,010	3,420	1,920	2,400	1,850
15	1,380	1,460	854	840	1,110	1,280	1,420	2,040	3,430	1,830	2,380	1,850
16	1,400	935	827	814	1,140	1,310	1,390	2,320	3,440	1,820	2,390	1,780
17	1,400	814	840	814	1,160	1,350	1,410	2,980	3,370	1,800	2,400	1,720
18	1,400	728	881	827	1,160	1,260	1,420	3,730	3,200	2,110	2,360	1,660
19	1,440	800	827	827	1,130	1,260	1,490	4,160	3,080	2,220	2,340	1,650
20	1,440	800	1,100	827	1,160	1,260	1,470	4,230	2,930	2,210	2,310	1,780
21	1,460	827	1,210	827	1,180	1,240	1,440	4,620	2,840	2,310	2,310	1,810
22	1,440	840	1,220	840	1,180	1,240	1,440	4,620	2,750	2,360	2,310	1,680
23	1,440	788	1,130	814	1,190	1,240	1,450	4,900	2,740	2,220	2,360	1,690
24	1,440	800	1,140	827	1,210	1,260	1,450	4,890	2,600	2,310	2,350	1,670
25	1,460	752	1,110	827	1,180	1,240	1,450	4,850	2,570	2,490	2,380	1,630
26	1,440	827	1,130	776	1,180	1,280	1,540	4,950	2,420	2,450	2,410	1,650
27	1,440	752	1,100	814	1,180	1,260	1,560	4,860	2,450	2,400	2,380	1,620
28	1,540	764	993	776	1,190	1,260	1,520	4,960	2,510	2,420	2,640	1,650
29	1,520	827	993	716	-----	1,310	1,420	4,550	2,430	2,430	2,490	1,600
30	1,440	854	1,050	776	-----	1,280	1,500	4,090	2,380	2,460	2,490	1,560
31	1,460	-----	1,130	716	-----	1,220	-----	3,680	-----	2,430	2,510	-----
TOTAL	45,740	34,688	29,481	26,578	28,759	39,200	42,230	97,210	94,460	66,710	74,700	55,220
MEAN	1,475	1,156	951	857	1,027	1,265	1,408	3,136	3,149	2,152	2,410	1,841
MAX	1,640	1,560	1,220	1,130	1,210	1,420	1,560	4,960	4,200	2,490	2,640	2,370
MIN	1,260	728	776	716	728	1,180	1,260	1,400	2,380	1,800	2,310	1,560
AC-FT	90,730	68,800	58,480	52,720	57,040	77,750	83,760	192,800	187,400	132,300	148,200	109,500
CAL YR 1969	TOTAL 668,329	MEAN 1,831	MAX 4,740	MIN 728	AC-FT 1,326,000							
WTR YR 1970	TOTAL 634,976	MEAN 1,740	MAX 4,960	MIN 716	AC-FT 1,259,000							

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6950		7240							15000		
2										15100	13300	11300
3												
4												
5												
6												
7												
8	6950											
9												
10												11300
11												
12					8550							
13												
14		6990										
15	6960		7980			8940	9200	9700	12500	14800	12200	11300
16			7410									
17												
18												
19												
20												
21				8140								
22		7070						10100				
23												
24												
25												
26						8700				14500		
27												
28												
29			7700	8350								
30	6970	* 7220	* 7730	* 8380			9440		* 14900	14300	11300	11400
31	* 6970					* 9020		* 11000		13700	11300	* 11400
						* 9030						

* Interpolated

MEAN ACRE- FEET	YEAR OR PERIOD	MEAN ACRE- FEET	YEAR OR PERIOD	MEAN ACRE- FEET	YEAR OR PERIOD	MEAN ACRE- FEET	YEAR OR PERIOD

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	526	512	458	400	430	427	397	397	2,660	1,960	685	625
2	568	505	458	400	420	433	403	408	2,960	1,790	678	640
3	582	505	458	390	439	427	392	451	3,390	1,830	678	596
4	561	512	458	370	445	420	392	526	3,760	1,890	678	596
5	547	512	451	350	433	414	387	603	3,960	1,910	685	640
6	554	505	445	350	439	408	403	725	3,960	1,890	701	632
7	547	526	445	390	433	408	439	842	3,900	1,620	685	632
8	547	540	451	430	433	439	427	790	3,840	1,500	678	610
9	561	519	458	460	433	433	420	765	4,300	1,460	662	596
10	561	526	464	491	433	414	458	733	4,720	1,400	655	589
11	540	526	464	477	427	408	464	678	3,710	1,450	648	582
12	519	533	477	477	427	408	439	655	3,160	1,450	648	575
13	505	526	477	477	445	408	427	618	2,760	1,330	603	589
14	519	519	464	477	433	408	427	589	2,820	1,150	596	589
15	512	512	451	470	433	414	414	625	2,820	1,070	589	582
16	519	490	445	477	433	414	408	790	2,750	994	575	568
17	519	470	445	464	445	427	403	1,150	2,810	985	575	561
18	512	460	445	458	427	408	414	1,690	2,970	940	561	554
19	512	480	445	464	415	403	420	2,040	3,030	842	561	547
20	505	498	470	451	410	397	420	2,180	3,210	774	568	618
21	505	512	464	451	420	397	408	2,650	3,440	765	568	625
22	512	498	505	470	420	397	408	2,860	3,630	757	561	596
23	512	477	484	458	420	397	414	3,010	3,780	725	554	575
24	512	491	451	477	420	403	408	2,990	3,790	709	561	575
25	540	477	451	458	420	397	408	3,510	3,820	709	554	547
26	519	484	464	451	414	408	427	3,860	3,790	709	533	533
27	512	470	435	484	414	397	420	3,910	3,780	717	547	533
28	540	512	435	445	427	408	414	4,100	3,660	717	632	526
29	526	554	430	430	403	403	403	3,640	3,570	733	596	526
30	512	484	420	420	403	397	403	3,250	2,670	709	603	519
31	512	420	420	420	397	397	2,630	2,630		701	603	

MEAN	530	504	454	442	428	410	416	1,731	3,447	1,167	614	583
ACRE- FEET	32,570	30,020	27,940	27,150	23,780	25,230	24,730	106,400	205,100	71,770	37,730	34,660

Plate No. 41

YEAR OR PERIOD 894
MEAN ACRES-FEET 647,200

U. S. GOVERNMENT PRINTING OFFICE 16-00006-1
FALLS RIVER NEAR SQUIRREL, IDAHO

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	301	410	500	450	490	477	434	440	2,850	1,620	182	282
2	325	410	480	450	485	484	446	440	3,040	1,340	173	300
3	410	410	475	460	480	464	434	505	3,470	1,350	176	260
4	422	410	475	460	480	458	434	623	3,890	1,380	213	264
5	422	410	475	440	480	458	440	719	4,140	1,400	196	350
6	428	410	480	400	485	446	464	826	4,140	1,360	216	406
7	422	434	470	430	485	452	519	1,010	4,080	1,150	196	424
8	416	452	465	470	485	484	498	970	3,810	988	179	395
9	428	428	470	490	485	491	498	932	4,190	943	170	385
10	395	428	480	505	485	450	578	923	5,330	898	170	375
11	380	464	480	520	485	440	600	818	4,120	979	155	370
12	365	464	485	520	490	445	526	800	3,250	1,010	158	370
13	355	464	490	520	519	452	505	735	2,710	907	135	395
14	375	440	490	520	484	452	505	671	2,790	744	130	412
15	370	446	490	520	477	464	477	671	2,760	622	124	395
16	370	450	490	525	470	464	464	800	2,640	532	122	385
17	375	450	490	520	484	491	464	1,400	2,620	520	117	380
18	375	450	490	510	470	452	470	1,950	2,760	502	110	365
19	375	460	490	510	446	440	484	2,200	2,790	370	98	375
20	375	480	490	510	440	440	477	2,400	2,950	305	112	424
21	370	480	490	515	445	446	458	2,750	3,200	244	110	502
22	365	480	485	505	445	446	452	2,900	3,420	228	117	478
23	365	480	485	505	450	440	458	3,150	3,560	213	117	442
24	365	480	485	510	450	458	458	3,100	3,560	185	130	442
25	380	485	485	500	452	452	458	3,800	3,520	192	130	412
26	380	490	485	510	452	458	491	4,430	3,470	176	120	395
27	360	500	485	520	452	446	491	4,840	3,350	179	117	436
28	375	520	480	510	464	458	484	4,840	3,270	179	210	430
29	380	540	450	485	446	446	458	4,550	3,230	228	199	430
30	380	520	465	485	446	446	440	3,870	2,340	210	199	430
31	410		470	480	440	440		3,070		192	213	

MEAN	381	458	481	492	472	456	479	1,972	3,375	682	155	390
ACRE- FEET	23,430	27,260	29,590	30,260	26,210	28,050	28,490	121,300	200,800	41,940	9,510	23,220

U. S. GOVERNMENT PRINTING OFFICE 16-00008-1
 YEAR _____ OF _____
 MEAN _____
 ACRES-FEET _____
 FALLS RIVER NEAR CHESTER, IDAHO
 Plate No. 42

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,340	1,670	1,200	1,320	1,260	1,660	1,400	1,360	5,040	3,030	1,380	1,760
2	1,460	1,670	1,160	1,480	1,260	1,800	1,390	1,320	4,970	2,520	1,410	1,700
3	1,600	1,670	1,160	1,450	1,330	1,800	1,370	1,330	5,180	2,350	1,430	1,720
4	1,580	1,680	1,210	1,400	1,260	1,610	1,370	1,550	5,530	2,290	1,480	1,720
5	1,580	1,680	1,170	1,320	1,250	1,610	1,370	1,750	5,680	2,310	1,470	1,960
6	1,600	1,680	1,130	1,420	1,290	1,580	1,430	1,910	5,560	2,290	1,510	1,960
7	1,600	1,700	1,090	1,250	1,320	1,560	1,550	2,270	5,400	2,170	1,470	1,800
8	1,580	1,780	1,210	1,200	1,370	1,560	1,540	2,240	5,180	2,030	1,440	1,740
9	1,610	1,680	1,220	1,220	1,370	1,730	1,500	2,250	5,960	1,930	1,420	1,720
10	1,580	1,670	1,220	1,300	1,370	1,620	1,600	2,480	8,250	1,830	1,430	1,680
11	1,520	1,680	1,210	1,350	1,460	1,610	1,730	2,310	7,010	1,940	1,380	1,650
12	1,520	1,660	1,250	1,350	1,520	1,610	1,610	2,240	5,780	2,030	1,380	1,650
13	1,210	1,610	1,270	1,330	1,560	1,610	1,520	2,100	4,990	1,900	1,340	1,710
14	1,620	1,560	1,230	1,340	1,600	1,560	1,550	1,940	5,040	1,720	1,340	1,700
15	1,600	1,540	1,210	1,340	1,550	1,580	1,500	1,960	5,110	1,480	1,350	1,660
16	1,600	1,270	1,180	1,340	1,580	1,580	1,500	2,270	4,990	1,260	1,380	1,620
17	1,600	1,120	1,180	1,350	1,600	1,620	1,480	3,290	4,920	1,190	1,380	1,570
18	1,600	1,010	1,200	1,350	1,620	1,540	1,430	5,060	4,900	1,300	1,410	1,520
19	1,620	1,080	1,170	1,340	1,540	1,500	1,540	6,120	4,670	1,370	1,390	1,510
20	1,610	1,140	1,420	1,330	1,580	1,490	1,460	6,180	4,540	1,290	1,420	1,650
21	1,620	1,180	1,560	1,320	1,610	1,500	1,440	6,730	4,560	1,370	1,440	1,800
22	1,620	1,200	1,640	1,400	1,600	1,480	1,430	6,980	4,630	1,370	1,440	1,700
23	1,610	1,140	1,550	1,390	1,610	1,480	1,460	7,540	4,740	1,280	1,470	1,680
24	1,600	1,160	1,520	1,420	1,620	1,480	1,420	7,320	4,740	1,260	1,500	1,660
25	1,660	1,120	1,490	1,390	1,580	1,460	1,400	8,010	4,700	1,340	1,480	1,660
26	1,620	1,160	1,500	1,320	1,580	1,460	1,520	8,680	4,490	1,320	1,500	1,660
27	1,600	1,080	1,490	1,400	1,580	1,480	1,550	8,780	4,470	1,300	1,460	1,700
28	1,670	1,110	1,340	1,340	1,600	1,460	1,500	9,220	4,540	1,320	1,650	1,710
29	1,670	1,200	1,270	1,210		1,480	1,400	8,340	4,540	1,350	1,550	1,680
30	1,600	1,210	1,420	1,300		1,430	1,430	6,840	3,790	1,410	1,590	1,650
31	1,640	1,130	1,490	1,130		1,330		5,560		1,370	1,620	

MEAN	1,579	1,404	1,302	1,335	1,481	1,557	1,480	4,385	5,130	1,707	1,449	1,697
ACRE- FEET	97,070	83,530	80,050	82,120	82,260	95,740	88,050	269,600	305,300	105,000	89,080	101,000

U. S. GOVERNMENT PRINTING OFFICE 16-60066-1
 HENRYS FORK AT ST. ANTHONY, IDAHO
 YEAR OR PERIOD
 MEAN
 ACRE-FEET
 2,042
 1,479,000
 Plate No. 43

Daily discharges in second feet of

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	282	292	230	170	180	188	173	260	516	1,160	588	511
2	289	286	220	170	180	196	179	296	475	865	572	490
3	312	279	220	170	180	185	170	440	480	858	555	455
4	309	282	220	170	180	182	170	544	588	910	550	445
5	295	282	220	165	180	179	206	572	696	995	555	511
6	295	276	215	160	190	176	341	560	774	1,070	560	544
7	292	289	220	160	195	185	405	500	852	1,130	538	550
8	295	289	210	160	190	206	336	430	872	1,080	533	495
9	292	289	210	165	190	210	365	380	950	1,040	511	455
10	292	286	205	180	185	180	490	385	1,030	1,020	511	445
11	286	292	205	200	190	180	560	336	865	1,120	506	440
12	286	286	205	200	195	180	410	323	820	1,050	500	425
13	286	276	205	200	202	182	336	314	670	982	490	445
14	286	276	205	200	185	185	314	323	676	924	480	445
15	289	276	205	200	185	210	274	292	616	852	480	430
16	286	282	205	200	188	220	244	287	599	794	475	425
17	292	276	210	200	199	196	269	328	566	784	475	420
18	295	260	214	200	199	164	305	385	594	761	455	410
19	289	270	211	200	199	216	318	440	676	728	450	405
20	282	260	230	208	196	196	278	460	800	716	450	425
21	282	260	266	211	190	196	252	495	950	670	445	460
22	282	265	366	251	185	185	256	511	1,110	696	440	460
23	282	245	270	279	178	192	278	500	1,270	670	430	445
24	286	240	257	289	173	199	278	506	1,410	640	420	430
25	299	235	225	273	173	202	264	506	1,420	616	420	420
26	289	230	200	270	173	210	346	582	1,460	594	420	410
27	289	235	175	239	173	185	346	683	1,470	599	430	400
28	306	235	155	190	173	196	314	832	1,560	640	533	400
29	309	240	140	180		188	274	761	1,700	696	500	385
30	292	240	180	180		182	260	664	1,570	640	470	380
31	292		170	180		179		594		616	455	

MEAN	292	268	215	201	186	191	300	467	934	836	490	445
ACRE- FEET	17,930	15,930	13,230	12,340	10,330	11,760	17,870	28,740	55,610	51,410	30,140	26,500

U. S. GOVERNMENT PRINTING OFFICE 16-60006-1
 TETON RIVER ABOVE SOUTH LEIGH CREEK NR. DRIGGS, IDAHO
 YEAR 403
 MEAN 403
 ACRE-FEET 291,800
 Plate No. 44

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	525	519	482	350	400	430	365	475	2,070	2,970	1,150	945
2	558	500	463	345	400	446	365	488	2,160	2,270	1,100	945
3	597	488	469	340	390	389	370	644	2,630	2,080	1,060	810
4	597	488	475	330	370	374	365	902	3,280	2,120	1,030	756
5	577	482	441	285	374	374	389	1,040	3,650	2,250	1,010	801
6	558	494	430	290	403	370	564	1,140	3,780	2,340	1,030	864
7	544	500	425	290	398	374	812	1,150	3,730	2,400	1,010	882
8	538	513	420	310	384	419	631	1,020	3,620	2,380	990	846
9	544	506	415	335	384	419	644	925	3,710	2,200	936	774
10	544	506	415	360	374	384	992	902	4,110	2,120	936	747
11	544	500	419	390	379	370	1,220	805	3,630	2,300	927	747
12	538	488	419	400	403	379	805	723	2,900	2,280	918	738
13	525	494	414	400	414	379	617	672	2,480	2,100	900	765
14	519	469	419	400	394	379	564	658	2,380	1,940	900	801
15	519	469	419	400	394	394	506	624	2,330	1,780	891	765
16	519	488	398	400	398	414	463	644	2,250	1,650	882	747
17	532	482	403	400	408	424	458	910	2,110	1,580	864	747
18	525	455	419	400	398	356	488	1,550	2,110	1,530	846	747
19	519	425	419	405	379	384	532	2,010	2,330	1,470	837	702
20	513	400	436	419	370	398	513	2,200	2,660	1,410	837	675
21	506	410	463	419	370	384	469	2,390	3,030	1,340	837	738
22	506	410	610	452	379	379	458	2,390	3,310	1,310	828	747
23	506	390	577	544	384	374	469	2,300	3,600	1,300	819	720
24	506	400	452	624	384	389	488	2,420	3,860	1,310	828	702
25	519	400	414	558	370	389	482	2,600	3,920	1,250	819	684
26	525	410	463	494	374	389	519	2,920	3,870	1,220	819	666
27	513	430	430	525	374	384	590	3,340	3,830	1,210	819	666
28	525	441	398	458	374	389	570	3,840	3,910	1,230	945	657
29	544	469	380	414	374	379	513	3,720	3,950	1,350	972	648
30	577	482	350	410	374	374	475	3,060	3,720	1,270	918	630
31	525	350	350	410	370	370	2,570	2,570		1,220	891	

MEAN	535	464	435	405	387	389	557	1,646	3,164	1,780	921	755
ACRE- FEET	32,900	27,590	26,750	24,910	21,470	23,910	33,120	101,200	188,300	109,400	56,630	44,950

U. S. GOVERNMENT PRINTING OFFICE 16-90086-1
 YEAR MEAN 955
 YEAR MEAN 691,200
 YEAR MEAN 955
 YEAR MEAN 691,200
 TETON RIVER NEAR ST. ANTHONY, IDAHO
 Plate No. 45

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,700	2,370	1,610	1,490	1,500	1,970	1,630	1,600	7,520	6,480	1,430	2,030
2	1,760	2,390	1,560	1,260	1,550	2,100	1,630	1,520	6,320	5,260	1,470	2,180
3	2,000	2,360	1,560	1,240	1,620	2,250	1,610	1,480	5,760	4,240	1,440	2,200
4	2,060	2,350	1,580	1,180	1,720	2,010	1,570	1,690	5,960	3,680	1,390	2,120
5	2,060	2,360	1,630	1,050	1,610	1,960	1,540	2,010	6,530	3,460	1,400	2,270
6	2,070	2,310	1,540	1,100	1,600	1,940	1,580	2,260	6,880	3,570	1,440	2,600
7	2,070	2,310	1,510	1,050	1,630	1,920	1,860	2,560	6,850	3,730	1,470	2,530
8	2,050	2,360	1,530	1,140	1,660	1,900	1,900	2,730	6,850	3,690	1,440	2,460
9	2,080	2,280	1,650	1,200	1,660	2,030	1,800	2,670	7,000	3,530	1,430	2,350
10	2,160	2,230	1,650	1,320	1,660	2,080	1,820	2,770	8,380	3,180	1,410	2,280
11	2,090	2,160	1,640	1,400	1,700	1,960	2,260	2,820	10,700	3,100	1,370	2,230
12	2,100	2,140	1,630	1,450	1,760	1,940	2,270	2,620	10,200	3,330	1,340	2,180
13	2,080	2,060	1,630	1,500	1,840	1,940	1,940	2,470	8,720	3,380	1,340	2,210
14	2,160	1,950	1,580	1,550	1,890	1,920	1,820	2,300	7,660	3,100	1,340	2,310
15	2,220	1,930	1,550	1,600	1,870	1,920	1,780	2,140	7,520	2,540	1,370	2,280
16	2,220	1,900	1,530	1,600	1,880	1,960	1,720	2,120	7,490	1,960	1,410	2,230
17	2,260	1,640	1,520	1,600	1,900	2,000	1,660	2,560	7,260	1,610	1,430	2,160
18	2,270	1,520	1,520	1,600	1,950	1,980	1,620	3,500	6,940	1,520	1,470	2,120
19	2,270	1,450	1,540	1,600	1,890	1,870	1,670	4,770	6,590	1,550	1,430	2,030
20	2,290	1,580	1,560	1,600	1,840	1,870	1,720	5,960	6,110	1,520	1,410	2,100
21	2,270	1,540	1,840	1,600	1,870	1,860	1,670	6,790	5,840	1,460	1,480	2,280
22	2,280	1,560	1,950	1,600	1,900	1,840	1,600	7,740	5,910	1,460	1,540	2,370
23	2,260	1,550	2,050	1,620	1,920	1,800	1,610	8,610	6,040	1,410	1,580	2,330
24	2,240	1,520	1,960	1,600	1,930	1,760	1,600	8,950	6,370	1,320	1,610	2,280
25	2,250	1,540	1,850	1,600	1,930	1,770	1,580	9,030	6,670	1,340	1,630	2,280
26	2,280	1,500	1,850	1,580	1,890	1,740	1,600	9,520	6,700	1,430	1,630	2,240
27	2,270	1,520	1,880	1,580	1,900	1,760	1,760	10,000	6,590	1,370	1,610	2,230
28	2,270	1,480	1,790	1,570	1,900	1,740	1,770	10,300	6,790	1,320	1,740	2,200
29	2,350	1,520	1,630	1,550		1,760	1,730	10,900	7,160	1,350	1,890	2,190
30	2,350	1,600	1,700	1,500		1,720	1,580	10,400	7,260	1,430	1,870	2,130
31	2,350		1,720	1,450		1,650		9,140		1,430	1,870	

MEAN	2,166	1,899	1,669	1,445	1,785	1,901	1,730	4,965	7,086	2,573	1,506	2,247
ACRE-	133,200	113,000	102,600	88,820	99,120	116,900	102,900	305,300	421,600	158,200	92,590	133,700
PER-												

U. S. GOVERNMENT PRINTING OFFICE 16-60005-1

YEAR OR PERIOD

MEAN

ACRE-FEET

2,580

1,868,000

Plate No. 46

HENRYS FORK NEAR REXBURG, IDAHO

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

SNAKE RIVER NR. SHELLEY, IDAHO

NO. 13060000
9790.000 SQ MI

DRAINAGE AREA

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,670	3,070	2,380	2,150	2,520	2,990	2,550	10,100	19,000	23,500	4,660	4,730
2	2,760	3,190	2,350	2,050	2,400	3,110	2,570	10,200	16,900	19,700	4,330	4,890
3	3,220	3,190	2,400	1,950	2,900	3,240	2,670	10,200	14,900	12,000	4,910	5,170
4	4,160	3,150	2,450	1,850	3,020	3,300	2,610	10,300	13,600	10,400	4,290	5,200
5	3,990	3,150	2,450	1,650	3,000	3,070	2,560	11,500	12,900	11,900	4,230	5,350
6	3,820	3,240	2,450	1,400	2,820	3,010	2,560	13,000	13,000	12,200	4,630	5,950
7	3,820	3,240	2,350	1,500	2,830	2,950	2,570	13,000	13,300	12,700	4,730	6,040
8	3,520	3,260	2,300	1,850	2,950	3,010	3,070	13,500	13,600	12,400	4,760	5,740
9	3,320	3,240	2,500	2,300	2,890	2,990	2,980	13,800	14,200	12,000	5,110	5,670
10	3,360	3,170	2,550	2,700	2,870	3,070	4,010	14,600	15,800	10,800	5,030	5,060
11	3,260	3,130	2,600	2,900	2,830	2,990	6,340	15,300	17,000	10,000	4,470	4,480
12	3,130	3,130	2,650	3,000	2,870	2,910	7,160	15,100	18,700	9,910	4,160	4,230
13	3,260	3,050	2,650	3,090	2,950	2,890	7,180	15,000	19,000	9,930	4,030	4,250
14	3,300	3,030	2,600	3,190	3,030	2,890	6,990	15,200	19,100	9,210	4,030	4,220
15	3,320	3,030	2,550	3,240	3,070	2,890	6,920	15,300	18,700	7,390	4,180	4,110
16	3,280	2,970	2,500	3,260	3,010	2,920	6,820	15,500	18,600	5,450	4,600	3,970
17	3,320	3,050	2,450	3,260	3,220	3,120	6,740	16,200	18,400	4,400	4,750	3,800
18	3,360	2,800	2,500	3,260	3,870	2,990	6,660	17,000	17,900	4,220	4,590	3,630
19	3,240	2,590	2,500	3,300	4,040	2,900	6,690	18,200	17,000	4,470	4,460	3,450
20	3,190	2,490	2,500	3,410	3,870	2,800	6,850	19,000	15,900	4,740	4,360	3,460
21	3,190	2,510	2,600	3,500	3,240	2,830	6,850	19,600	14,600	4,300	4,330	3,710
22	3,190	2,510	2,850	3,470	3,050	2,770	6,690	20,300	13,600	4,410	4,450	3,840
23	3,110	2,700	3,100	3,540	3,030	2,740	6,620	20,900	12,700	4,910	4,640	3,940
24	2,950	3,110	3,100	3,680	3,030	2,770	7,970	21,500	13,200	5,510	4,780	4,070
25	2,890	3,190	3,100	3,700	3,010	2,650	8,520	21,200	15,600	5,360	4,610	4,170
26	2,830	2,720	3,050	3,540	3,010	2,750	8,640	20,000	17,500	5,540	4,450	4,220
27	2,740	2,590	2,800	3,320	2,930	2,620	8,820	20,100	17,900	5,580	4,400	4,230
28	2,720	2,490	2,600	3,410	2,990	2,670	9,270	20,400	19,000	4,600	4,410	4,230
29	2,850	2,300	2,000	3,150	-----	2,650	9,770	20,300	20,800	4,430	4,670	4,070
30	2,930	2,350	2,000	2,900	-----	2,730	10,300	20,700	22,700	4,530	4,890	3,950
31	3,010	-----	2,050	2,850	-----	2,600	-----	20,400	-----	4,630	4,730	-----
TOTAL	99,710	87,640	78,930	88,370	85,150	89,820	179,950	507,400	495,100	261,120	141,320	133,830
MEAN	3,216	2,921	2,546	2,851	3,041	2,897	5,998	16,370	16,500	8,423	4,559	4,461
MAX	4,160	3,260	3,100	3,700	4,040	3,300	10,300	21,500	22,700	23,500	5,110	6,040
MIN	2,670	2,300	2,000	1,400	2,400	2,600	2,550	10,100	12,700	4,220	4,080	3,450
AC-FT	197,800	173,800	156,600	175,300	168,900	178,200	356,900	1,006M	982,000	517,900	230,300	265,500
CAL YR 1969	TOTAL 2,245,230	MEAN 6,151	MAX 18,600	MIN 2,000	AC-FT 4,453,000							
WTR YR 1970	TOTAL 2,248,340	MEAN 6,160	MAX 23,500	MIN 1,400	AC-FT 4,460,000							

SNAKE RIVER NEAR SHELLEY, IDAHO

Plate No. 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	53					0	0	200	12	0	0
2	13	39					0	0	46	1.0	3.1	0
3	49	39					0	0		.2	1.1	81
4	25	41					0	1.5		0	0	64
5	0	39					0	21		6.3	0	0
6	0	32					0	13		50	.5	23
7	0	49					11	292		58	5.0	44
8	0	63					9	538	4.6	78	5.8	37
9	0	43					0	610	264	78	5.4	35
10	0	37					0	538	284	71	1.7	55
11	0	31					8.7	490	130	100	6.2	49
12	0	37					30	574	170	108	4.6	46
13	0	32					22	622	281	102	0	67
14	0	30					13	638	330	28	0	74
15	0	18					9.4	646	254	0	0	96
16	0	82					1.5	678	230	0	2.5	89
17	47	66					0	698	221	0	2.3	102
18	178	15					0	666	230	0	3.0	76
19	178	0					0	658	179	0	1.4	37
20	114	0					0	558	86	0	2.2	18
21	170	0					0	658	230	0	0	45
22	135	0					0	698	39	0	0	110
23	122	0					0	574	33	0	0	140
24	192	0					1	714	6.3	0	0	188
25	80	0					2.0	658	54	0	0	251
26	74	0					0	438	125	0	0	194
27	78	0					0	368	114	0	0	168
28	78	0					0	379	106	0	0	122
29	72	0					0	404	110	0	0	104
30	65	0					0	312	69	0	0	14
31	58	0					0	274		0	0	

MEAN	52.5	20.0	0	0	0	0	3.29	443	116	22.3	4.23	73.3
ACRE- FEET	3,230	1,190	0	0	0	0	196	27,210	6,920	1,370	260	4,360
									61.8			

Plate No. 48

U. S. GOVERNMENT PRINTING OFFICE 16-00066-3

BLACKFOOT RIVER BYPASS NEAR BLACKFOOT, IDAHO

YEAR
OR
PERIOD

MEAN
ACRE-
FEET

61.8

44,740

Daily discharge, in second-feet, of

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	62	215	98	58	80	72	62	117	269	155	86	118
2	142	209	100	56	85	82	60	132	196	111	128	123
3	253	207	100	64	92	85	69	130	95	97	104	168
4	238	207	100	70	95	72	64	150	67	95	60	166
5	136	207	100	66	78	71	62	194	68	154	41	144
6	76	202	104	65	97	67	81	233	19	205	88	173
7	104	212	88	63	89	60	143	324	9	212	124	204
8	114	220	89	72	86	67	174	417	48	220	131	209
9	132	210	93	83	82	75	148	448	232	213	140	213
10	152	205	90	90	82	68	144	426	275	213	146	213
11	142	202	86	100	85	59	178	402	220	247	172	215
12	117	205	82	98	86	60	207	430	245	253	149	212
13	99	202	88	98	103	65	204	444	292	260	137	221
14	100	201	86	96	93	62	193	470	340	218	143	226
15	99	193	79	96	82	74	188	459	313	144	161	228
16	97	179	74	97	83	81	174	468	311	128	190	228
17	180	178	82	100	85	89	194	472	309	118	188	237
18	294	156	79	100	85	76	74	472	307	93	197	232
19	294	128	79	100	74	62	127	468	296	88	193	201
20	249	140	83	106	65	65	178	433	210	97	156	188
21	283	142	89	103	61	64	176	450	173	76	125	194
22	264	146	97	109	71	67	170	497	212	62	109	218
23	258	124	97	152	69	64	155	439	193	56	142	249
24	245	113	89	125	74	67	109	495	167	56	131	277
25	238	107	82	114	69	71	137	483	201	76	106	313
26	233	103	81	106	68	67	109	396	233	85	104	298
27	233	100	66	127	68	72	131	364	233	100	71	288
28	233	100	53	111	65	62	155	348	240	49	53	264
29	230	99	46	174	69	69	128	360	244	28	56	232
30	225	94	38	76	71	71	89	330	223	34	96	197
31	218		58	80	65	65		304		62	107	

MEAN	185	167	83.1	92.1	80.44	69.4	136	373	208	129	124	215
ACRE- FEET	11,380	9,930	5,110	5,660	4,470	4,270	8,100	22,920	12,380	7,940	7,600	12,780

U. S. GOVERNMENT PRINTING OFFICE 16-60066-1
 YEAR OR PERIOD 155
 MEAN ACRE-FEET 112,500
 Plate No. 49

BLACKFOOT RIVER NEAR BLACKFOOT, IDAHO

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION
 SNAKE RIVER NEAR BLACKFOOT, IDAHO
 DRAINAGE AREA
 NO. 13069500
 11310.000 SQ MI

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	938	3,060	2,340	2,240	2,590	2,950	2,480	9,440	17,300	20,900	1,460	2,180
2	1,130	3,210	2,370	2,140	2,390	2,980	2,420	9,430	14,600	20,100	1,630	2,280
3	1,940	3,260	2,430	2,000	2,830	3,140	2,530	9,330	11,800	12,300	1,950	2,620
4	2,740	3,230	2,430	1,950	3,040	3,190	2,500	9,280	9,730	7,290	1,410	3,000
5	3,230	3,240	2,430	1,710	3,000	3,140	2,460	9,630	8,860	8,810	978	3,080
6	2,670	3,160	2,430	1,510	2,950	2,980	2,440	11,400	8,490	9,030	1,320	4,020
7	2,710	3,300	2,420	1,400	2,850	2,950	2,500	12,100	8,740	9,280	1,820	4,730
8	2,580	3,310	2,350	1,620	2,850	2,910	2,680	12,900	9,110	9,110	2,140	4,540
9	2,290	3,240	2,360	1,960	2,850	2,980	2,890	13,300	10,400	9,210	2,390	4,370
10	2,390	3,210	2,460	2,620	2,880	2,980	2,950	13,800	12,400	8,610	2,690	4,080
11	2,500	3,110	2,580	2,890	2,840	2,990	4,970	14,500	13,400	7,750	2,190	3,460
12	2,420	3,050	2,580	2,960	2,830	2,900	6,560	14,700	15,100	7,670	1,600	2,890
13	2,430	3,030	2,610	3,010	2,890	2,820	6,910	14,500	16,900	7,840	1,320	2,980
14	2,630	2,940	2,610	3,150	2,960	2,850	6,850	14,500	17,600	7,300	1,310	3,100
15	2,570	2,980	2,600	3,250	3,000	2,870	6,750	14,600	17,600	5,380	1,390	3,010
16	2,600	2,940	2,530	3,240	2,940	2,830	6,640	14,400	17,100	3,300	1,870	2,890
17	2,810	2,920	2,510	3,310	2,990	3,000	6,480	14,900	17,000	1,710	2,320	2,720
18	3,160	2,820	2,520	3,340	3,620	2,930	6,360	15,200	16,500	1,040	2,230	2,510
19	3,160	2,650	2,540	3,410	3,850	2,850	6,450	15,900	15,700	828	2,010	2,220
20	3,050	2,440	2,560	3,570	3,930	2,760	6,650	16,700	14,000	943	1,820	2,090
21	3,430	2,490	2,610	3,500	3,510	2,730	6,650	17,500	12,300	749	1,600	2,290
22	3,380	2,460	2,760	3,520	3,060	2,730	6,550	18,800	11,100	484	1,520	2,610
23	3,360	2,540	2,970	3,490	3,020	2,680	6,350	19,300	9,590	818	1,690	2,950
24	3,130	2,580	3,100	3,640	3,020	2,620	6,560	20,300	9,270	1,410	1,990	3,000
25	3,050	3,260	3,020	3,680	3,010	2,650	7,580	20,500	10,900	1,770	1,830	3,370
26	2,960	2,650	2,960	3,600	2,990	2,580	7,840	19,000	13,300	1,930	1,580	3,440
27	2,880	2,490	2,910	3,520	2,960	2,640	7,970	18,300	14,400	2,290	1,490	3,380
28	2,840	3,370	2,860	3,370	2,910	2,540	8,410	18,400	15,200	1,860	1,490	3,340
29	2,900	3,210	2,610	3,290	2,600	2,600	9,020	18,300	17,100	1,140	1,600	3,040
30	3,000	2,220	2,010	2,920	2,570	2,570	9,560	18,200	19,300	1,110	2,090	2,780
31	3,000	2,230	2,230	2,860	2,570	2,570	18,700	18,700	13,300	1,270	2,290	3,440
TOTAL	83,878	86,370	79,700	88,670	84,560	87,910	166,960	467,810	404,790	173,232	54,988	92,970
MEAN	2,706	2,879	2,571	2,860	3,020	2,836	5,565	15,090	13,490	5,588	1,774	3,099
MAX	3,430	3,310	3,100	3,680	3,930	3,190	9,560	20,500	19,300	20,900	2,690	4,730
MIN	938	2,210	2,010	1,400	2,390	2,540	2,420	9,280	8,490	484	978	2,090
AC-FT	166,400	171,300	158,100	175,900	167,700	174,400	331,200	927,900	802,900	343,600	109,100	184,400
CAL YR 1969	TOTAL 1,818,114	MEAN 4,981	MAX 19,300	MIN 355	AC-FT 3,606,000							
WTR YR 1970	TOTAL 1,871,838	MEAN 5,128	MAX 20,900	MIN 484	AC-FT 3,713,000							

NO. 13079-000
1250.000 SQ MI

DRAINAGE AREA

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	245	280	270	346	347	301	375	584	168	95	89
2	117	246	275	265	338	401	303	378	930	152	86	95
3	126	246	278	270	327	400	327	415	484	126	74	97
4	129	242	266	280	324	380	298	460	421	114	75	98
5	129	243	264	280	318	364	301	479	425	90	76	106
6	140	244	256	265	324	349	327	531	440	91	83	108
7	147	257	263	255	322	339	356	588	440	89	81	112
8	150	278	266	260	322	345	341	563	425	79	75	116
9	152	271	263	270	319	345	331	555	430	61	74	112
10	158	263	264	275	318	336	353	560	440	110	76	113
11	160	260	266	270	319	329	369	542	415	114	79	123
12	156	258	266	270	330	325	351	480	380	76	80	138
13	157	259	269	270	362	324	337	442	405	67	77	144
14	168	258	276	280	348	331	335	433	420	71	79	152
15	195	255	274	300	333	345	335	406	400	70	77	151
16	200	267	269	332	331	347	324	405	400	66	80	138
17	222	267	269	361	341	354	323	469	384	69	83	113
18	246	262	272	461	334	332	326	561	367	69	81	116
19	233	250	271	513	326	314	341	621	325	45	91	121
20	218	252	282	532	330	315	352	652	304	53	87	113
21	218	270	311	539	328	320	343	758	241	63	81	125
22	218	280	338	590	324	324	338	843	216	62	75	137
23	223	282	328	658	328	323	330	833	205	69	77	146
24	222	282	322	639	328	324	325	805	187	42	72	141
25	219	285	322	557	328	322	335	730	167	38	72	139
26	217	285	314	454	329	320	345	690	158	39	72	144
27	216	282	304	494	331	318	358	690	149	43	74	144
28	233	280	287	539	334	318	374	720	144	53	76	139
29	244	280	260	427	-----	322	378	750	144	61	74	141
30	243	280	270	381	-----	324	377	695	161	86	82	143
31	238	-----	270	351	-----	317	-----	620	-----	104	83	-----
TOTAL	5,800	7,929	8,715	11,908	9,242	10,454	10,109	18,049	10,191	2,440	2,447	3,753
MEAN	187	264	281	384	330	337	337	582	340	78.7	78.9	125
MAX	246	285	338	658	362	401	378	943	584	168	95	152
MIN	106	242	256	255	318	314	298	375	144	38	72	88
AC-FT	11,500	15,730	17,290	23,620	18,330	20,740	20,050	35,800	20,210	4,840	4,850	7,440
CAL YR 1969	TOTAL 123,406	MEAN 338	MAX 1,120	MIN 58	AC-FT 244,800							
WTR YR 1970	TOTAL 101,037	MEAN 277	MAX 843	MIN 38	AC-FT 200,400							

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	245	280	270	346	347	301	375	584	168	95	88
2	117	246	275	265	338	401	303	378	530	152	86	95
3	126	246	278	270	327	400	302	415	484	126	74	97
4	129	242	266	280	324	380	298	460	421	114	75	98
5	129	243	264	280	318	364	301	479	425	90	76	106
6	140	244	256	265	324	349	327	531	440	91	83	108
7	147	257	263	255	322	339	356	588	440	89	81	112
8	150	278	266	260	322	345	341	563	425	79	75	116
9	152	271	263	270	319	345	331	555	430	61	74	112
10	158	263	264	275	318	336	353	560	440	110	76	113
11	160	260	266	270	319	329	369	542	415	114	79	123
12	156	259	266	270	330	325	351	480	380	76	80	138
13	157	259	269	270	362	324	337	442	405	67	77	144
14	168	258	276	280	348	331	335	433	420	71	79	152
15	195	255	274	300	333	345	335	406	400	70	77	151
16	200	267	269	332	331	347	324	405	400	66	80	138
17	222	267	269	361	341	354	323	469	384	69	83	113
18	246	262	272	461	334	332	326	561	367	69	81	116
19	233	250	271	513	326	331	341	621	325	45	91	121
20	218	252	282	532	330	315	352	652	304	53	87	113
21	218	270	311	539	328	320	343	758	241	63	81	125
22	218	280	338	590	324	324	338	843	216	62	75	137
23	223	282	328	658	328	323	330	833	205	69	77	146
24	222	282	322	639	328	324	325	805	187	42	72	141
25	219	285	322	557	328	322	335	730	167	38	72	139
26	217	285	314	454	329	320	345	690	158	39	72	144
27	216	292	304	494	331	318	358	690	149	43	74	144
28	233	280	287	539	334	318	374	720	144	53	76	139
29	244	280	260	427	-----	322	378	750	144	61	74	141
30	243	280	270	381	-----	324	377	695	161	86	82	143
31	238	-----	270	351	-----	317	-----	620	-----	104	83	-----
TOTAL	5,800	7,929	8,715	11,908	9,242	10,454	10,109	18,049	10,191	2,440	2,447	3,753
MEAN	187	264	281	384	330	337	337	582	340	78.7	78.9	125
MAX	246	285	338	658	362	401	378	943	584	168	95	152
MIN	106	242	256	255	318	314	298	375	144	38	72	88
AC-FT	11,500	15,730	17,290	23,620	18,330	20,740	20,050	35,800	20,210	4,840	4,850	7,440
CAL YR 1969	TOTAL 123,406		MEAN 338		MAX 1,120	MIN 58	AC-FT 244,800					
WTR YR 1970	TOTAL 101,037		MEAN 277		MAX 843	MIN 38	AC-FT 200,400					

Daily discharge, in second-feet, of FORT HALL MICHAUD CANAL NEAR POCATELLO, IDAHO, for the year ending September 30, 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	74							0	56	191	101	130
2	74							0	69	191	105	120
3	79							0	97	176	119	120
4	73							13	105	113	105	118
5	69							32	105	119	139	78
6	69							10	105	186	148	88
7	63							16	108	185	140	70
8	55							35	144	189	121	70
9	55							18	118	193	124	74
10	55							13	82	156	137	72
11	53							20	89	92	149	64
12	50							14	144	71	149	56
13	51							23	120	176	146	48
14	52							14	120	176	123	49
15	52							35	127	169	98	55
16	0							18	125	173	110	58
17	0							27	98	166	151	60
18	0							29	98	111	151	68
19	0							37	98	120	153	79
20	0							35	97	171	152	81
21	0							0	108	173	149	67
22	0							0	164	173	108	55
23	0							0	185	170	108	52
24	0							36	188	152	152	52
25	0							14	181	111	161	52
26	0							11	184	101	161	43
27	0							110	194	162	156	39
28	0							110	188	171	151	41
29	0							110	145	164	138	39
30	0							105	191	163	125	
31	0							27		157	144	

MEAN	29.8							29.4	128	156	135	69.2
ACRE- FEET	1,830							1,810	7,600	9,560	8,280	4,120

U. S. GOVERNMENT PRINTING OFFICE 16-00000-1
 YEAR OR PERIOD MEAN ACRES-FEET
 45.9
 Plate No. 52

Daily discharge, in second-feet, of MICHAUD CANAL AT AMERICAN FALLS, IDAHO, for the year ending September 30, 19 20

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	36							0	39	122	75	80
2	36							0	49	125	70	92
3	36							0	66	121	70	74
4	36							0	70	111	70	69
5	36							0	70	108	86	62
6	36							0	70	122	75	60
7	36							16	70	126	70	60
8	36							20	85	134	70	60
9	36							20	90	140	70	60
10	36							20	75	136	69	60
11	36							20	70	101	69	60
12	36							20	56	93	80	60
13	25							20	51	93	88	60
14	18							20	51	106	90	59
15	18							20	40	111	74	59
16	18							31	37	111	68	59
17	6							35	48	111	84	59
18	0							35	66	111	90	59
19	0							39	70	111	90	59
20	0							41	70	111	90	59
21	0							41	70	111	90	50
22	0							24	82	111	74	40
23	0							18	90	111	69	40
24	0							18	102	110	85	40
25	0							18	116	110	91	40
26	0							18	122	110	91	40
27	0							28	122	110	91	40
28	0							32	122	110	91	40
29	0							37	122	98	74	40
30	0							39	122	92	68	40
31	0							39	92	92	68	40

MEAN	16.7	0	0	0	0	0	0	21.6	77.1	112	78.7	56.0
ACRE- FEET	1,030	0	0	0	0	0	0	1,330	4,590	6,880	4,840	3,330

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

NO. 13077000
13600.000 SQ MI

Snake River at Neeley, Idaho

DRAINAGE AREA

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7,040	864	610	2,590	2,520	974	5,050	12,800	19,600	23,100	11,700	10,700
2	7,040	669	798	2,590	2,390	1,030	4,860	13,200	20,000	22,400	11,800	9,970
3	6,790	149	920	2,610	2,300	1,080	4,860	13,200	18,600	18,500	11,800	9,730
4	6,470	52	920	2,590	2,280	1,080	4,900	13,100	15,200	13,600	11,800	9,720
5	6,150	56	1,040	2,520	2,140	1,090	4,900	13,100	11,500	12,700	12,000	9,670
6	5,630	56	1,140	2,410	1,890	920	4,860	13,100	13,100	12,700	12,300	9,230
7	5,200	190	1,130	2,410	1,760	974	4,860	13,100	13,000	12,600	12,100	8,440
8	5,010	679	1,040	2,540	1,800	974	4,790	15,100	13,200	12,500	12,200	7,900
9	3,880	686	1,000	2,590	1,820	896	4,720	16,600	12,600	12,500	12,000	7,560
10	3,170	700	1,000	2,590	1,850	798	4,680	17,400	11,800	12,600	11,900	7,430
11	2,870	707	965	2,590	1,890	791	5,010	18,400	11,400	12,600	11,900	7,700
12	2,610	714	920	2,590	2,110	791	5,550	18,600	14,400	12,300	12,000	7,970
13	2,610	714	920	2,590	2,260	938	7,560	18,400	18,200	12,400	12,100	8,050
14	2,640	714	920	2,590	2,260	1,030	9,950	17,600	19,600	12,600	12,100	7,750
15	2,430	721	929	2,540	2,280	1,050	11,600	16,600	21,600	12,600	12,100	7,450
16	1,510	721	840	2,370	2,300	992	12,200	16,300	22,300	13,100	11,700	7,070
17	848	644	938	2,220	2,320	974	12,100	16,300	22,200	13,300	11,700	6,690
18	848	584	1,100	2,240	2,350	983	11,400	16,900	20,100	13,300	11,800	6,610
19	864	584	992	2,450	2,350	920	11,000	17,000	18,300	13,200	11,900	6,590
20	864	591	965	2,660	2,370	833	9,700	16,400	17,400	13,300	11,900	6,480
21	872	578	965	2,640	2,370	826	8,380	20,700	16,400	13,400	11,900	6,200
22	872	578	974	2,570	1,800	833	7,780	22,900	13,900	13,300	11,900	6,120
23	833	584	983	2,450	1,420	840	6,910	20,100	12,200	12,500	11,700	5,830
24	864	584	983	2,370	1,280	880	7,040	20,100	12,200	12,300	11,600	5,480
25	888	578	983	2,410	1,010	872	8,140	20,900	13,000	12,200	11,600	5,390
26	888	578	983	2,430	1,000	1,340	9,850	21,500	13,900	12,100	12,000	5,270
27	864	556	983	2,450	983	1,870	11,400	21,500	14,100	12,000	13,000	5,200
28	856	564	983	2,480	956	2,710	11,700	19,800	15,400	12,000	12,000	5,020
29	864	559	983	2,540	-----	3,470	11,700	18,800	15,500	12,000	11,800	4,940
30	864	610	992	2,540	-----	4,900	12,100	18,800	20,000	11,900	11,500	5,330
31	864	-----	1,650	2,520	-----	5,240	-----	19,000	-----	11,800	11,100	-----
TOTAL	84,003	16,064	30,549	77,680	54,059	42,899	239,550	537,300	480,700	417,400	368,900	217,490
MEAN	2,710	535	985	2,506	1,931	1,384	7,985	17,330	16,020	13,460	11,900	7,250
MAX	7,040	864	1,650	2,660	2,520	5,240	12,200	22,900	22,300	23,100	13,000	10,700
MIN	833	52	610	2,220	956	791	4,680	12,800	11,400	11,800	11,100	4,940
AC-FT	166,600	31,860	60,590	154,100	107,200	85,090	475,100	1,066M	953,500	827,900	731,700	431,400
CAL YR 1969	TOTAL 2,996,436	MEAN 6,209	MAX 23,300	MIN 52	AC-FT 5,943,000							
WTR YR 1970	TOTAL 2,566,594	MEAN 7,032	MAX 23,100	MIN 52	AC-FT 5,091,000							

Snake River at Neeley, Idaho

Plate No. 55

FOR THE YEAR ENDING SEPTEMBER 30, 19 13

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	834						0	546	1,380	1,890	1,430	1,370
2	827						0	614	1,600	1,880	1,430	1,170
3	805						0	632	1,810	1,880	1,520	1,120
4	731						0	825	1,850	1,880	1,560	1,110
5	686						0	1,040	1,850	1,880	1,560	1,000
6	688						0	1,280	1,850	1,870	1,550	773
7	674						0	1,340	1,850	1,860	1,500	710
8	638						0	1,290	1,790	1,860	1,500	684
9	634						0	1,260	1,460	1,860	1,500	686
10	600						0	1,240	1,080	1,860	1,470	686
11	544						0	1,220	907	1,870	1,510	704
12	546						0	1,130	909	1,870	1,570	720
13	526						205	1,060	737	1,880	1,640	716
14	490						388	1,060	616	1,890	1,680	716
15	490						514	1,100	576	1,890	1,670	718
16	449						530	1,300	501	1,890	1,650	716
17	176						528	1,420	501	1,900	1,650	750
18	0						528	1,570	499	1,900	1,620	766
19	0						524	1,750	550	1,900	1,580	766
20	0						539	1,810	748	1,890	1,580	761
21	0						562	1,720	900	1,870	1,560	680
22	0						698	1,590	1,110	1,700	1,520	604
23	0						768	1,390	1,390	1,540	1,530	570
24	0						882	1,210	1,460	1,480	1,580	550
25	0						968	1,140	1,590	1,450	1,590	548
26	0						1,070	1,140	1,720	1,490	1,610	548
27	0						1,070	1,190	1,860	1,520	1,630	548
28	0						593	1,230	1,890	1,540	1,610	612
29	0						434	1,260	1,900	1,470	1,520	678
30	0						492	1,280	1,900	1,410	1,420	718
31	0						1,290	1,290	1,900	1,430	1,420	

MEAN	333	0	0	0	0	0	376	1,223	1,293	1,758	1,554	757
ACRE- FEET	20,510	0	0	0	0	0	22,400	75,230	76,930	108,100	95,530	45,020

U. S. GOVERNMENT PRINTING OFFICE 10-00066-1

NORTH SIDE MINIDOKA CANAL NEAR MINIDOKA, IDAHO

YEAR OR PERIOD
MEAN
ACRE-FOOT
613
443,700

Plate No. 57

Daily discharge, in second-feet, of SOUTH SIDE MINIDOKA CANAL NEAR MINIDOKA, IDAHO, for the year ending September 30, 1931

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	614						0	376	1,020	1,360	1,160	1,120
2	646						0	374	1,180	1,350	1,160	1,060
3	609						0	384	1,330	1,350	1,220	1,020
4	554						0	434	1,410	1,340	1,300	1,000
5	532						0	479	1,420	1,350	1,280	919
6	514						0	578	1,410	1,360	1,280	802
7	496						0	652	1,400	1,370	1,340	710
8	522						0	654	1,390	1,370	1,330	627
9	536						0	660	1,310	1,400	1,320	601
10	504						0	662	1,120	1,400	1,320	599
11	455						0	657	1,010	1,380	1,330	654
12	404						0	657	904	1,380	1,340	684
13	356						228	657	732	1,400	1,330	625
14	356						382	657	588	1,410	1,340	636
15	356						390	673	549	1,410	1,370	641
16	346						380	738	438	1,430	1,370	622
17	114						380	862	392	1,420	1,370	617
18	0						384	1,030	390	1,420	1,380	604
19	0						396	1,080	390	1,420	1,370	604
20	0						396	1,140	390	1,420	1,340	593
21	0						382	1,150	464	1,420	1,320	534
22	0						382	1,120	588	1,410	1,290	464
23	0						376	1,040	749	1,370	1,250	445
24	0						376	970	919	1,360	1,280	398
25	0						376	973	1,130	1,360	1,320	364
26	0						378	976	1,320	1,350	1,330	376
27	0						380	973	1,390	1,340	1,340	372
28	0						384	970	1,390	1,340	1,270	407
29	0						378	973	1,370	1,330	1,210	502
30	0						376	982	1,350	1,290	1,160	544
31	0							979		1,220	1,140	

MEAN	255	0	0	0	0	0	224	791	981	1,372	1,295	638
ACRE- FEET	15,700	0	0	0	0	0	13,370	48,620	58,400	84,360	79,660	37,970

UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

SNAKE RIVER NEAR MINIDOKA, IDAHO

NO. 13081500
DRAINAGE AREA
15700.000 SQ MI

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5,500	755	1,530	1,420	3,150	1,400	1,500	12,200	17,400	20,200	8,920	8,530
2	5,770	296	1,360	3,110	3,040	1,420	1,890	12,800	17,200	19,900	9,100	8,250
3	5,270	1,550	1,330	3,210	2,990	1,420	2,000	12,500	16,000	16,700	9,020	7,940
4	4,880	1,880	1,370	3,200	3,000	1,410	2,130	12,000	12,300	11,100	8,870	7,980
5	4,680	2,110	1,370	3,200	2,950	1,420	2,170	11,500	8,640	9,270	8,900	8,080
6	4,410	2,110	1,380	3,270	2,960	1,420	2,700	11,100	8,630	9,640	8,930	7,950
7	4,230	1,440	1,390	3,260	2,970	1,410	5,050	11,300	9,390	9,510	8,900	7,400
8	4,160	1,270	1,350	3,250	2,960	1,440	4,710	12,800	9,460	9,300	9,240	7,120
9	4,140	807	1,420	3,200	2,960	1,440	4,650	15,200	9,270	9,250	9,100	6,670
10	2,390	1,440	1,390	3,210	2,970	1,140	4,570	16,400	8,670	9,320	8,920	6,430
11	1,900	1,410	1,310	3,160	2,940	1,490	5,010	17,300	8,220	9,490	8,780	6,620
12	1,790	1,430	1,290	3,110	2,890	935	4,690	17,100	10,300	9,350	8,820	6,660
13	1,690	1,480	1,300	3,090	2,910	1,090	5,170	17,200	15,100	9,470	9,020	6,680
14	1,640	1,550	1,300	3,020	2,920	1,040	7,540	16,800	17,600	9,340	9,100	6,600
15	1,650	1,330	1,300	3,150	2,890	1,050	11,600	15,500	19,900	9,260	9,050	6,270
16	1,500	988	1,330	3,200	2,870	1,050	12,700	14,300	20,800	9,620	8,930	5,960
17	1,460	1,500	1,340	3,190	3,030	1,060	11,900	14,100	20,500	9,620	8,900	5,700
18	1,500	1,490	1,350	3,140	2,880	1,030	11,300	14,200	18,700	9,720	8,950	5,650
19	1,480	1,480	1,320	3,100	2,890	1,040	11,000	14,500	16,500	9,630	8,910	5,600
20	1,360	1,480	1,330	3,150	2,870	1,060	9,690	14,300	15,600	9,470	8,930	5,590
21	1,350	1,500	1,430	3,130	2,890	1,070	7,970	16,400	14,700	9,660	8,960	5,410
22	1,350	1,320	1,500	3,150	1,940	1,050	7,870	20,500	12,600	9,860	8,910	5,280
23	1,600	1,190	1,370	3,190	1,910	1,060	6,820	18,300	9,730	9,580	8,860	5,350
24	1,730	1,510	1,380	3,180	1,890	1,200	6,050	17,500	8,580	9,370	8,810	5,070
25	819	1,500	1,390	3,140	1,340	1,040	6,810	18,900	8,940	9,200	8,740	4,680
26	324	1,480	1,380	3,160	1,380	1,030	8,350	19,600	9,770	9,050	9,000	4,510
27	1,610	1,510	1,390	3,300	1,400	1,030	10,700	19,700	10,500	9,040	9,190	4,500
28	1,740	1,490	1,360	3,290	1,400	1,060	11,800	18,300	11,900	8,990	9,080	4,500
29	1,680	1,330	1,370	3,140	-----	1,030	11,800	16,800	12,000	9,030	9,080	4,330
30	1,650	1,190	1,360	3,200	-----	1,060	11,700	16,700	15,400	9,140	9,020	4,330
31	1,630	-----	1,370	3,230	-----	1,250	-----	17,200	-----	8,990	8,850	-----
TOTAL	76,833	41,816	42,366	96,660	73,190	36,655	211,840	483,000	394,300	321,070	277,790	185,640
MEAN	2,480	1,394	1,366	3,118	2,614	1,182	7,061	15,590	13,140	10,360	8,961	6,188
MAX	5,770	2,110	1,530	3,300	3,150	1,490	12,700	20,500	20,800	20,200	9,240	8,530
MIN	324	296	1,290	1,420	1,340	935	1,500	11,100	8,220	8,990	8,740	4,330
AC-FT	152,500	82,940	84,020	191,700	145,200	72,710	420,200	958,000	782,100	636,800	551,000	368,200
CAL YR 1969	TOTAL	2,564,979	MEAN	7,027	MAX	20,200	MIN	296	AC-FT	5,088,000		
WTR YR 1970	TOTAL	2,241,204	MEAN	6,140	MAX	20,800	MIN	296	AC-FT	4,445,000		

SNAKE RIVER NEAR MINIDOKA, IDAHO

Plate No. 59

Daily discharge, in second-feet, of MINIDOKA NORTH SIDE PUMP CANAL NEAR BURLEY, IDAHO, for the year ending September 30, 19 70

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	67						0	0	134	217	204	165
2	62						0	0	167	217	204	155
3	62						0	0	181	237	209	148
4	39						0	0	200	237	215	131
5	39						0	23	215	237	221	115
6	39						0	43	226	243	220	115
7	41						0	43	226	255	216	104
8	41						0	44	218	255	209	87
9	32						0	44	221	255	209	75
10	25						0	44	174	255	211	64
11	25						0	50	142	255	220	61
12	18						0	54	117	255	223	58
13	18						0	52	105	230	226	58
14	18						41	52	105	215	218	58
15	20						41	52	86	222	219	64
16	16						36	63	68	228	220	76
17	6						31	63	62	229	224	80
18	0						31	88	58	229	232	80
19	0						31	102	54	229	232	70
20	0						23	110	58	238	227	70
21	0						23	111	58	238	227	70
22	0						23	105	83	238	213	56
23	0						23	98	151	235	213	56
24	0						23	98	188	229	198	61
25	0						31	105	200	220	206	61
26	0						31	112	212	220	206	58
27	0						37	120	217	220	206	58
28	0						29	120	217	227	200	55
29	0						0	124	222	222	187	52
30	0						0	127	222	215	187	52
31	0						0	127	222	222	187	52

MEAN	18.5	0	0	0	0	0	15.1	70.1	153	233	213	80.4
ACRE- FEET	1,140	0	0	0	0	0	901	4,310	9,100	14,330	13,070	4,790

U. S. GOVERNMENT PRINTING OFFICE 16-00068-1
MINIDOKA NORTH SIDE PUMP CANAL NEAR BURLEY, IDAHO YEAR 1970 MEAN 65.8 Plate No. 60
 OR PERIOD 47,640 ACRE-FEET

Daily discharge, in second-feet, of _____, for the year ending September 30, 19 70

P. A. LATERAL NEAR MILLNER, IDAHO

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								0	61	66	72	66
2								0	60	66	72	66
3								0	60	66	72	62
4								40	60	69	68	62
5								47	62	70	67	60
6								34	61	70	67	60
7								48	63	72	66	60
8								48	65	73	66	59
9								48	65	73	66	59
10								46	65	75	64	58
11								46	63	77	64	51
12								46	63	78	64	51
13								53	63	78	64	51
14								53	61	78	65	51
15								53	61	77	65	51
16								53	54	77	66	51
17								55	43	77	66	51
18								55	43	77	66	51
19								56	43	77	66	51
20								58	43	77	66	51
21								61	43	31	66	51
22								61	59	0	66	49
23								61	59	53	66	49
24								61	59	75	66	49
25								61	65	75	67	45
26							0	61	67	75	67	41
27							22	61	67	75	68	41
28							11	61	67	74	68	41
29							0	61	67	74	68	39
30							0	61	67	73	68	38
31								61	67	73	68	

MEAN	0	0	0	0	0	0	1.10	48.7	59.3	69.4	66.8	52.1
ACRE- FEET	0	0	0	0	0	0	65	3,000	3,530	4,270	4,110	3,100

U. S. GOVERNMENT PRINTING OFFICE 16-00086-1
 P. A. LATERAL NEAR MILLNER, IDAHO
 YEAR 1970
 MEAN 25.0
 ACRE-
 FEET 18,070
 Plate No. 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	120						0	0	196	186	238	224
2	120						0	0	190	186	238	224
3	114						0	28	200	186	238	216
4	99						0	44	216	186	234	213
5	93						0	80	214	186	235	209
6	86						0	114	212	215	235	199
7	76						0	140	212	225	235	196
8	65						0	147	212	227	235	166
9	65						0	147	206	242	235	153
10	65						0	147	188	253	235	150
11	59						0	147	170	260	235	136
12	59						0	152	161	262	242	125
13	59						0	155	131	261	251	122
14	59						0	155	97	260	252	115
15	42						0	168	85	260	252	110
16	0						0	173	75	267	252	110
17	0						9.4	173	58	269	259	110
18	0						15	211	53	258	255	110
19	0						15	224	66	252	251	110
20	0						22	224	71	252	243	110
21	0						25	224	71	253	236	103
22	0						25	217	121	253	229	96
23	0						25	214	144	253	225	91
24	0						25	214	197	254	215	91
25	0						25	204	239	249	221	91
26	0						25	202	247	247	224	81
27	0						43	204	247	240	224	81
28	0						22	203	223	237	224	87
29	0						0	202	200	238	224	89
30	0						0	192	188	238	224	84
31	0						0	189	188	238	224	84

MEAN	38.1	0	0	0	0	0	9.21	158	163	238	236	133
ACRE- FEET	2,340	0	0	0	0	0	548	9,710	9,700	14,660	14,520	7,940

U. S. GOVERNMENT PRINTING OFFICE 16-60066-1

MILNER LOW LIFT CANAL NEAR MILNER, IDAHO

YEAR FOR PERIOD _____ MEAN _____ ACRE-Feet _____

82.1

59,420

Plate No. 63

Daily discharge, in second-feet, of GOODING PROJECT IN GOODING CANAL NEAR MILNER, IDAHO, for the year ending September 30, 1970

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,120	200	70				0	810	1,600	1,530	1,580	1,440
2	1,120	190	0				0	810	1,620	1,520	1,580	1,420
3	1,120	190	0				0	810	1,630	1,520	1,590	1,420
4	1,120	190	0				0	1,060	1,620	1,520	1,590	1,420
5	1,120	200	0				0	1,310	1,620	1,570	1,600	1,430
6	1,120	200	0				0	1,320	1,600	1,590	1,600	1,430
7	1,120	190	0				0	1,320	1,580	1,590	1,600	1,390
8	1,120	190	0				0	1,320	1,610	1,590	1,600	1,360
9	1,120	190	0				0	1,310	1,610	1,590	1,590	1,340
10	380	190	0				0	1,310	1,610	1,590	1,590	1,320
11	0	200	0				0	1,310	1,610	1,600	1,590	1,320
12	0	190	0				0	1,310	1,600	1,610	1,590	1,320
13	130	200	0				0	1,310	1,550	1,610	1,580	1,320
14	210	200	0				0	1,320	1,490	1,620	1,550	1,330
15	200	200	0				0	1,320	1,430	1,620	1,520	1,320
16	200	200	0				0	1,390	1,300	1,630	1,510	1,320
17	200	190	0				0	1,440	1,300	1,610	1,470	1,320
18	200	200	0				390	1,440	1,290	1,610	1,440	1,320
19	200	200	0				560	1,520	1,300	1,600	1,440	1,280
20	200	210	0				530	1,560	1,300	1,610	1,450	1,240
21	200	210	0				520	1,590	1,300	1,600	1,450	1,250
22	200	200	0				540	1,610	1,370	1,580	1,450	1,250
23	200	200	0				540	1,610	1,430	1,590	1,450	1,190
24	200	190	0				540	1,600	1,430	1,580	1,450	1,160
25	200	190	0				710	1,600	1,490	1,580	1,450	1,150
26	200	190	0				810	1,600	1,520	1,570	1,460	1,150
27	190	200	0				820	1,600	1,520	1,570	1,460	1,150
28	190	200	0				820	1,600	1,520	1,570	1,460	1,160
29	200	200	0				820	1,600	1,520	1,570	1,470	1,160
30	200	200	0				800	1,600	1,520	1,580	1,470	1,160
31	200	200	0					1,600	1,520	1,580	1,480	

MEAN	457	197	2.3	0	0	0	280	1,384	1,499	1,584	1,520	1,295
ACRE- FEET	28,130	11,700	139	0	0	0	16,660	85,110	89,040	97,390	93,440	77,040

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	910	730	200					600	870	800	1,020	1,010
2	900	730	0					700	860	800	1,020	1,000
3	900	680	0					800	870	820	1,020	1,000
4	900	660	0					800	880	810	1,020	990
5	900	680	0					780	870	810	1,020	990
6	910	730	0					800	880	830	1,020	990
7	900	740	0					810	880	820	1,020	990
8	900	730	0					800	890	820	1,020	1,000
9	900	730	0					810	900	820	1,020	1,000
10	990	700	0					800	900	820	1,020	990
11	1,040	690	0					800	890	820	1,020	980
12	1,040	680	0					820	900	820	1,020	980
13	990	690	0					820	830	820	1,020	980
14	980	700	0					820	820	820	1,020	980
15	1,000	710	0					810	810	820	1,020	980
16	1,020	700	0				0	820	740	820	1,020	980
17	980	680	0				270	820	790	820	1,020	970
18	740	680	0				520	830	800	820	1,020	970
19	740	700	0				580	840	800	820	1,030	970
20	740	710	0				580	840	800	910	1,030	970
21	740	710	0				590	840	800	1,050	1,030	970
22	740	700	0				590	850	800	1,050	1,030	950
23	740	700	0				590	850	800	1,060	1,030	950
24	740	670	0				590	860	800	1,050	1,030	950
25	740	580	0				600	860	800	1,040	1,030	950
26	740	500	0				600	860	800	1,040	1,030	950
27	730	520	0				600	860	800	1,040	1,030	950
28	700	530	0				600	860	800	1,040	1,020	950
29	720	530	0				600	860	800	1,040	1,020	950
30	720	530	0				590	860	800	1,030	1,020	950
31	730		0					870		1,030	1,010	

MEAN	852	667	6.5	0	0	0	263	818	833	900	1,023	975
ACRE- FEET	52,400	39,710	397	0	0	0	15,670	50,280	49,550	55,360	62,880	58,000

Daily discharge, in second-feet, of

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,050	715	348	2.3	1.6	1.6	392	2,220	3,480	3,360	3,780	3,500
2	2,000	694	312	2.0	1.6	1.6	470	2,640	3,560	3,440	3,790	3,460
3	2,020	583	252	2.0	1.6	1.6	592	2,790	3,580	3,550	3,780	3,380
4	1,880	553	211	2.0	1.6	1.6	748	2,880	3,600	3,560	3,740	3,300
5	1,610	586	162	2.0	1.6	1.6	820	2,730	3,610	3,570	3,760	3,230
6	1,490	643	198	2.0	1.6	1.6	856	3,310	3,670	3,660	3,760	3,130
7	1,450	682	211	2.0	1.6	1.6	915	3,020	3,740	3,710	3,760	2,910
8	1,450	685	162	2.0	1.6	1.6	960	2,940	3,630	3,690	3,780	2,750
9	1,330	670	215	1.9	1.6	1.6	946	3,270	3,400	3,660	3,810	2,700
10	1,280	634	272	1.9	1.6	1.6	982	3,000	3,210	3,700	3,780	2,660
11	1,220	619	294	1.9	1.6	1.6	1,080	2,860	3,130	3,690	3,740	2,590
12	1,190	577	315	1.9	1.6	1.6	1,150	2,990	3,030	3,690	3,750	2,600
13	1,120	547	320	1.8	1.6	1.6	1,190	3,080	2,870	3,720	3,780	2,560
14	974	517	320	1.8	1.6	1.6	1,230	3,090	2,770	3,750	3,890	2,430
15	736	499	320	1.8	1.6	1.6	1,240	3,140	2,630	3,750	3,850	2,370
16	550	511	324	1.7	1.6	1.6	1,250	3,160	2,630	3,770	3,760	2,210
17	448	478	328	1.7	1.6	1.6	1,270	3,220	2,650	3,780	3,760	2,080
18	470	432	325	1.7	1.6	1.6	1,330	3,380	2,710	3,780	3,760	2,080
19	574	402	325	1.6	1.6	1.6	1,380	3,360	2,780	3,780	3,750	2,040
20	625	382	182	1.6	1.6	1.6	1,510	3,210	2,810	3,810	3,740	2,040
21	718	390	115	1.6	1.6	1.6	1,720	3,200	2,810	3,820	3,740	2,040
22	748	392	104	1.6	1.6	1.6	1,800	3,290	3,060	3,840	3,730	1,980
23	751	390	76	1.6	1.6	1.6	1,920	3,290	3,390	3,870	3,740	1,900
24	730	385	76	1.6	1.6	1.6	2,090	3,300	3,480	3,850	3,730	1,890
25	712	360	76	1.6	1.6	1.6	2,270	3,350	3,570	3,780	3,720	1,900
26	664	355	76	1.6	1.6	1.6	2,230	3,490	3,640	3,740	3,730	1,900
27	598	362	46	1.6	1.6	1.6	2,120	3,620	3,690	3,750	3,720	1,880
28	634	372	30	1.6	1.6	1.6	1,980	3,530	3,680	3,770	3,720	1,750
29	721	378	2.3	1.6		1.6	1,830	3,490	3,570	3,780	3,680	1,700
30	745	375	2.3	1.6		1.6	1,980	3,460	3,390	3,780	3,680	1,660
31	733		2.3	1.6		365		3,460		3,780	3,620	

MEAN	1,039	506	194	1.8	1.6	110	1,342	3,154	3,259	3,715	3,753	2,421
ACRE- FEET	63,910	30,090	11,900	109	89	6,750	79,840	193,900	193,900	228,500	230,700	144,000

U. S. GOVERNMENT PRINTING OFFICE 16-60000-1

SOUTH SIDE TWIN FALLS CANAL AT MILNER, IDAHO

YEAR OR PERIOD 1,635 MEAN 1,635 ACRE-
FEET 1,184,000

Plate No. 68

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	293	301	1,800	1,540	3,240	1,420	226	7,170	9,580	11,400	16	310
2	282	269	2,440	1,700	3,270	1,430	161	7,000	8,920	12,300	15	310
3	307	166	2,430	2,880	3,320	1,490	127	7,120	8,460	9,540	15	318
4	310	242	1,620	3,350	3,210	1,320	129	5,920	5,370	3,550	18	318
5	310	301	1,500	3,350	3,270	1,110	130	4,620	758	594	17	315
6	318	315	1,460	3,180	3,200	910	329	3,340	304	313	17	315
7	327	350	1,400	3,100	3,190	1,340	1,520	3,460	266	122	17	315
8	318	363	1,420	3,210	3,200	1,590	3,370	5,320	271	94	15	315
9	315	350	1,380	3,480	3,200	1,462	3,360	7,290	277	73	16	313
10	321	313	1,380	3,550	3,200	1,020	3,140	8,230	288	54	19	313
11	333	293	1,300	3,710	3,190	694	2,400	11,900	293	48	21	304
12	327	285	1,090	4,000	3,090	513	2,880	10,400	1,440	48	17	304
13	318	307	1,200	3,740	3,050	410	2,760	9,880	6,170	44	13	307
14	313	296	1,140	3,420	2,980	439	4,260	10,100	10,100	40	11	307
15	310	313	1,130	3,440	3,100	449	8,350	9,140	13,000	39	12	310
16	310	290	1,160	3,370	3,080	483	11,100	7,520	15,200	37	13	310
17	315	252	1,160	3,490	2,880	509	9,700	6,710	14,600	36	13	307
18	321	264	1,180	3,460	3,100	524	7,780	6,400	14,200	39	12	307
19	548	285	1,180	3,420	3,080	548	6,840	5,740	10,400	37	13	304
20	686	296	942	3,370	3,090	555	6,510	6,090	9,210	34	13	304
21	662	307	1,080	3,400	3,080	555	5,210	7,170	8,480	28	13	304
22	846	304	1,170	3,450	3,000	690	3,760	12,400	5,480	26	13	301
23	924	310	1,410	3,450	2,330	828	3,480	11,900	3,080	24	14	301
24	846	299	1,530	3,320	1,980	775	1,990	9,350	572	14	16	304
25	810	304	1,530	3,430	1,750	840	1,800	11,300	205	12	16	307
26	718	324	1,420	3,350	1,500	852	2,300	11,300	321	12	15	307
27	393	327	1,380	3,280	1,340	714	4,740	12,100	918	15	154	304
28	472	341	1,420	3,230	1,420	360	6,740	11,200	2,120	13	304	296
29	315	338	1,460	3,480		288	8,570	9,050	2,870	12	304	290
30	299	1,030	1,500	3,530		288	7,660	8,270	6,060	12	307	285
31	296		1,580	3,480		282		9,440		13	304	

MEAN ACRE- FEET	434	324	1,413	3,295	2,834	796	4,044	8,285	5,307	1,246	56.9	307
26,700	19,310	86,860	202,600	157,400	48,970	240,600	509,400	315,800	76,610	3,500	18,268	