

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

1961

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INTRODUCTION

The annual meeting of Water District No. 36 was held at Idaho Falls on March 6, 1961. A. C. Eagle was elected as watermaster for the ensuing year.

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

Leonard Graham, Chairman; J. H. Silbaugh, Vice-Chairman; C. N. Scoresby, Secretary; Leo Murdock; William K. Creason; R. Willis Walker; Preston Atchley; Alfred Peters; Malden Dye.

Advisory members; Merle Tillery, representing the Bureau of Reclamation; Frank Redfield, representing the Burley Irrigation District; William Kerner, representing the Gooding Project; F. C. Gillette, representing Teton Basin.

Principal resolutions adopted at the annual meeting were as follow:

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 \$69,075 to cover the expense of operating the District during the coming year, of which it was estimated that \$29,220 would be available from Federal and State stream gaging funds.
3. Approved the proposed Burns Creek Reservoir provided that the authorizing legislation include a provision for the assumption by the Palisades-Burns Creek power system of one-third of the cost of the winter power losses at Minidoka dam.
4. Recommended appointing a pool committee to obtain and allocate rental water.

For the fourth consecutive year the annual run-off above Moran was much below normal. Average precipitation at nine representative stations for the period December thru July was 7.35" compared to a normal of 11.32". Average temperature at Moran for June was the highest of record and precipitation was the lowest since 1919. Dry soil on the watershed absorbed much of the spring run-off and resulted in the lowest normal flow at Heise since 1940.

American Falls storage rights were about 91% filled. Bottom rights in Jackson Lake were 90% filled. Except for holdovers there was no available water for storage in the top rights in Jackson Lake or for the non-preferred space in Palisades Reservoir. With American Falls Reservoir failing to fill only 45,000 acre-feet was available for credit to the Fremont-Madison District and much of the holdover water in Henrys Lake was credited to American Falls rights.

Withdrawal of stored water from American Falls started on April 26 with no further normal flow available for its 1921 priority. The January 22, 1916 "floodwater" rights were cut off April 28 compared to June 2, 1960. The May 1, 1889 priorities were cut off August 3-6. This was the first time these rights had been cut since 1940.

Most canals curtailed their diversions from the beginning of the season to make their partial storage last. With the careful use of water the supply was nearly adequate and few serious crop losses resulted. Above normal precipitation in August and September decreased the usual late season demand and made possible some reservoir carry-over for next year.

September precipitation was the highest of record for some stations. Above normal precipitation in October and below normal

temperatures resulted in some crops being frozen in the ground before they could be harvested.

American Falls Reservoir and Jackson Lake were almost completely drained. Combined usable storage in the reservoir system on September 30 was 514,000 acre-feet compared to 527,000 acre-feet a year ago. This is about 13% of total reservoir capacity.

Flow past Milner in excess of Idaho Power Company rights amounted to about 1,300 acre-feet. This is one of the lowest annual spills on record and is much less than any year since 1941 when the excess spill was 2,700 acre-feet.

Flow past the Minidoka dam was curtailed for upstream storage for the period October 5 to April 4.

The House Committee on Interior and Insular Affairs scheduled meetings on the Burns Creek reregulating reservoir but such meetings were cancelled for lack of a quorum. The \$500,000 appropriation for this project that had been made in 1959 and carried over in 1960 was terminated.

PERSONNEL

The persons engaged in water distribution during 1961 were as follows:

H. C. Eagle	Watermaster and Deputy Com. of Reclamation
Arthur L. Larson	Hydraulic Engineer and Deputy Watermaster
Robert W. Harper	Engineering Aid and Hydrographer
O. P. Mortensen	Deputy Watermaster and Hydrographer at St. Anthony
Oleen Dummer	Hydrographer
A. H. Bush	Hydrographer
Charlotte E. Wood	Clerk
Arthur W. Wilson	Deputy Watermaster and Hydrographer, Teton Basin
Owen Larson	Deputy Watermaster, Teton Basin
L. C. Anderson	Deputy Watermaster, Lower Teton River
S. B. Garrett	Deputy Watermaster, Henrys Fork

Elmer Lenz	Deputy Watermaster, Upper Fall River
D. R. Anthony	Deputy Watermaster, Heise Division
J. M. Brown	Deputy Watermaster, Heise Division
J. A. Balmforth	Deputy Watermaster, Idaho Falls Division
Carl J. Anderson	Deputy Watermaster, Blackfoot Division
David Peterson	Deputy Watermaster, Swan Valley Division
M. L. Tillery	Supt. Minidoka Project, Bur. of Reclamation
C. R. Finley	Supt. Am. Falls Res., Bureau of Reclamation
Edw. Wilske	Asst. Supt. Am. Falls Res., Bureau of Reclamation
James L. Braman	Supt. Jackson Lake, Bureau of Reclamation
C. T. Vaughan	Supt. Palisades Res., Bureau of Reclamation
R. A. Bennion	Supt. Island Park Res., Bureau of Reclamation
John Williams	Supt. Island Park Res., Bureau of Reclamation

Gage readers: Foster B. Randall, F. S. Cowley, D. R. Anthony, Mrs. Irvin Siepert, Darrell Washam, T. E. Culley, Bryce Sorensen, R. E. Wagner, John Telisak, A. K. Draper, W. R. Etherington, R. H. Seymour, Elio T. Perin, Keith Broeder, Joseph Rausch.

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 for period 1943-57 for snow courses in use during that time.

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

<u>Year</u>	<u>Jan. 1</u>		<u>Feb. 1</u>		<u>Mar. 1</u>		<u>April 1</u>	
	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>	<u>S</u>	<u>W</u>
<u>Moran (Snake River)</u>								
1952	34	7.4	39	10.4	45	12.8	44	14.4
1953	19	4.1	38	10.6	42	12.4	35	12.7
1954	19	4.6	37	10.4	42	13.0	46	14.5
1955	20	2.7	24	4.7	34	7.8	30	10.7
1956	35	9.6	50	14.0	54	16.6	47	18.5
1957	24	5.1	41	8.2	41	12.1	42	13.6
1958	31	6.4	43	8.7	40	11.5	35	11.5
1959	21	4.9	36	7.6	43	11.3	37	11.0
1960	12	1.8	25	5.2	36	9.5	30	10.3
1961	25	4.8	26	6.2	33	7.9	26	7.5
Normal		5.3		8.8		11.2		12.5

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 Canyon (Snake River)</u>								
1952	-	-	59	16.4	62	20.3	70	24.1
1953	-	-	57	16.7	73	22.8	61	24.2
1954	-	-	51	14.5	61	19.4	72	23.1
1955	-	-	31	7.3	50	12.6	54	17.3
1956	-	-	76	22.8	84	27.9	75	30.4
1957	-	-	63	14.9	65	20.1	70	24.6
1958	-	-	53	14.1	66	21.5	65	23.9
1959	-	-	51	12.8	66	18.6	61	12.3
1960	-	-	38	7.5	48	13.3	-	-
1961	-	-	35	9.5	49	13.6	49	16.5
Normal	-	-		14.4		19.7		23.5

<u>Arizona Station (Snake River)</u>								
1952	48	11.2	55	15.8	64	20.0	68	24.3
1953	25	5.4	50	13.8	62	18.7	51	19.8
1954	23	5.7	46	12.9	57	17.5	65	20.9
1955	20	3.5	29	7.3	51	12.5	52	17.1
1956	48	14.2	69	21.8	74	26.1	68	27.8
1957	29	7.3	53	12.3	62	18.8	63	22.1
1958	37	8.4	39	10.1	50	14.8	50	17.2
1959	24	5.8	43	9.2	56	14.7	62	17.8
1960	16	2.6	32	6.2	40	10.8	44	13.9
1961	30	7.3	33	8.3	47	12.8	46	15.3
Normal		7.0		12.8		17.4		19.6

<u>Buckleberry Divide (Snake River)</u>								
1952	48	11.0	59	16.7	65	21.0	73	24.8
1953	27	6.2	52	15.1	65	19.5	53	20.0
1954	26	6.5	48	12.6	55	17.0	69	21.0
1955	23	4.0	34	8.5	54	13.2	56	17.9
1956	55	15.4	73	22.9	77	26.2	69	28.0
1957	31	7.9	52	12.9	64	18.1	63	21.2
1958	40	9.5	43	11.6	55	17.1	55	18.8
1959	28	6.8	47	10.4	58	15.6	62	18.5
1960	17	3.0	35	6.3	43	10.9	46	13.7
1961	32	7.6	33	8.6	46	12.7	50	15.2
Normal		7.7		13.6		18.1		21.3

<u>Snake River Station (Snake River)</u>								
1952	50	11.9	60	16.4	65	20.3	75	24.7
1953	30	5.9	52	14.7	66	20.0	54	21.1
1954	29	7.0	51	14.4	60	18.9	77	24.1
1955	25	4.6	34	8.9	55	13.8	59	19.3
1956	53	15.0	77	23.9	80	28.2	72	30.0
1957	32	8.8	58	14.3	67	20.7	69	24.4
1958	42	10.3	45	12.3	58	18.1	56	20.1
1959	30	7.9	42	11.0	61	16.8	63	19.8
1960	14	2.3	33	6.3	44	11.7	43	14.2
1961	37	8.7	37	10.1	53	15.1	57	17.9
Normal		8.1		14.2		19.0		22.4

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>Lewis Lake Divide (Snake River)</u>								
1952	88	25.2	112	36.2	122	45.8	129	52.8
1953	53	12.1	103	31.2	110	39.8	106	45.1
1954	53	14.9	106	31.9	116	41.2	143	52.3
1955	41	9.7	53	16.6	97	26.9	106	38.7
1956	105	35.8	139	50.5	164	61.3	143	65.8
1957	53	17.6	88	27.3	119	41.1	123	48.0
1958	74	20.4	72	23.6	101	34.1	99	38.0
1959	54	17.3	76	23.4	112	36.4	122	42.7
1960	26	5.5	56	13.4	66	21.1	78	27.1
1961	54	15.6	51	17.0	89	27.6	102	36.1
Normal		18.0		30.4		40.0		47.5

<u>Aster Creek (Snake River)</u>								
1952	74	19.4	97	29.9	99	34.5	102	41.3
1953	41	9.1	84	24.5	85	30.7	80	33.0
1954	35	9.3	81	23.4	90	31.0	112	38.0
1955	31	6.4	40	10.7	82	20.1	92	30.6
1956	85	27.3	106	36.8	125	44.5	113	48.7
1957	40	12.3	69	19.0	97	29.9	96	35.3
1958	59	14.8	53	16.4	69	21.8	70	24.8
1959	38	11.0	55	15.5	81	24.1	85	27.5
1960	21	3.6	45	9.7	49	14.6	56	16.6
1961	41	11.8	42	12.3	71	19.7	79	25.9
Normal		12.6		22.5		30.3		36.2

<u>Colter Creek (Snake River)</u>								
1952	58	14.0	63	18.2	66	23.8	80	26.3
1953	30	5.9	60	17.5	65	22.0	60	23.9
1954	36	9.0	59	16.8	73	25.2	83	28.5
1955	24	4.8	37	10.0	64	12.4	64	20.7
1956	61	17.2	85	24.0	94	28.0	80	33.1
1957	39	10.4	59	15.7	76	25.4	81	29.0
1958	-	-	46	13.0	64	18.9	57	20.8
1959	-	-	48	12.3	65	18.7	59	20.8
1960	-	-	36	8.1	50	12.8	44	15.5
1961	-	-	34	9.2	53	15.5	59	19.1
Normal				15.4		21.8		25.4

<u>Glade Creek (Snake River)</u>								
1952	52	12.8	65	18.1	71	23.5	84	28.2
1953	34	6.8	56	16.8	61	20.6	61	22.4
1954	30	7.3	54	15.2	62	19.9	75	24.8
1955	26	4.9	36	9.3	60	14.9	64	20.3
1956	55	15.8	80	25.8	89	29.9	80	33.1
1957	33	9.5	59	14.9	72	22.1	74	26.4
1958	43	11.1	49	14.1	60	19.5	60	21.8
1959	30	7.4	42	11.0	61	17.1	62	20.3
1960	13	2.1	33	6.3	45	12.0	49	15.0
1961	36	8.6	35	10.0	50	13.9	60	18.3
Normal		8.7		15.5		20.8		24.8

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>						
1952	34	8.5	40	10.2	48	13.5
1953	34	8.4	36	11.1	48	13.5
1954	32	7.9	39	10.8	46	12.6
1955	21	3.9	28	6.1	32	7.9
1956	44	12.0	54	14.1	42	14.9
1957	39	8.3	39	10.1	41	11.0
1958	34	6.8	37	10.1	35	10.1
1959	37	7.3	42	10.1	36	11.1
1960	16	2.8	24	5.6	24	6.8
1961	25	5.6	31	7.4	28	8.4
Normal		8.1		10.4		11.6

Four Mile Meadows (Buffalo River)

1942	42	10.4	50	13.4	59	15.9
1953	36	8.8	38	11.2	40	12.5
1954	37	9.6	42	11.4	52	14.6
1955	26	5.3	34	7.0	42	10.6
1956	49	13.4	59	16.9	53	18.4
1957	39	8.4	44	10.4	48	13.1
1958	36	7.5	39	10.1	43	12.6
1959	42	9.1	41	12.4	46	13.6
1960	24	4.6	33	7.8	34	9.6
1961	32	7.5	40	10.0	44	11.4
Normal		9.8		11.9		14.3

Black Rock (Buffalo River)

1952	58	16.0	65	19.8	78	24.7
1953	53	14.2	53	18.1	56	20.2
1954	55	15.7	64	19.3	76	24.4
1955	36	7.8	54	12.5	61	18.2
1956	69	21.9	85	27.5	78	31.9
1957	53	12.6	57	16.1	65	20.5
1958	52	11.8	59	16.3	60	19.5
1959	60	15.2	72	19.9	67	24.3
1960	39	9.5	48	13.4	57	17.4
1961	41	10.1	52	13.3	57	17.1
Normal		15.7		19.7		24.3

Togwotee Pass (Buffalo River)

1952	72	20.8	78	25.9	94	32.2
1953	67	18.7	69	24.4	71	27.3
1954	70	21.1	84	26.3	103	34.7
1955	47	11.6	75	19.4	83	27.7
1956	86	29.4	108	36.2	99	41.5
1957	67	16.9	73	22.6	81	27.9
1958	64	15.1	70	21.5	73	26.2
1959	75	20.9	87	26.8	84	32.2
1960	54	14.4	64	19.1	74	24.6
1961	54	15.3	67	19.0	71	24.0
Normal		20.6		26.4		32.1

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

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W	S	W
<u>Valley View Ranch (Henry's Fork)</u>								
1952	49	11.6	67	19.5	70	23.8	81	30.0
1953	31	5.4	38	9.7	46	12.9	44	15.6
1954	19	2.4	46	8.2	45	12.4	47	15.4
1955	12	1.2	32	5.7	43	8.3	44	13.3
1956	40	9.7	54	13.9	57	17.1	46	15.9
1957	30	6.7	44	10.5	51	13.6	59	18.1
1958	28	5.2	31	6.5	38	9.2	42	12.5
1959	19	2.7	32	6.2	47	11.6	44	12.8
1960	14	1.5	24	4.4	30	6.9	32	8.0
1961	25	4.8	23	5.8	39	10.1	42	13.4
Normal		5.8		9.1		12.9		16.4

<u>Big Springs (Henry's Fork)</u>								
1952	57	12.5	79	24.0	86	31.0	91	34.7
1953	39	7.0	52	14.5	60	18.9	55	21.7
1954	32	6.1	59	14.1	62	20.8	64	24.7
1955	22	3.3	39	9.1	62	16.1	61	21.9
1956	44	11.8	70	20.5	80	23.8	58	22.7
1957	37	9.5	58	14.5	63	22.0	71	26.6
1958	43	9.2	42	10.9	49	14.4	53	18.0
1959	22	4.3	45	10.8	59	16.3	55	16.9
1960	13	1.5	27	5.6	38	10.0	34	11.0
1961	31	6.8	30	8.8	53	16.5	56	19.8
Normal		8.2		14.5		20.4		23.6

<u>Island Park (Henry's Fork)</u>								
1952	52	11.1	68	19.7	75	26.4	82	30.6
1953	34	6.2	44	11.1	50	15.1	41	16.2
1954	26	4.5	48	12.4	51	15.5	50	16.8
1955	16	2.4	34	7.8	60	12.4	52	16.2
1956	36	9.0	58	17.8	64	19.8	48	17.0
1957	31	7.2	48	10.4	52	15.4	58	19.4
1958	37	7.1	41	9.7	42	11.8	44	14.4
1959	16	2.1	35	6.8	51	13.1	44	13.7
1960	14	1.5	26	4.8	36	7.9	30	8.9
1961	27	5.5	26	7.0	45	12.5	45	15.0
Normal		6.3		11.3		15.8		17.8

<u>Grassy Lake (Fall River)</u>								
1952	73	19.3	90	28.0	103	35.5	121	45.6
1953	50	11.1	79	25.6	87	32.2	84	35.8
1954	48	11.5	75	22.4	82	29.2	100	35.6
1955	56	11.8	59	16.4	93	25.2	91	34.9
1956	72	22.4	107	36.8	122	42.6	103	46.0
1957	49	15.5	92	24.0	100	35.8	103	40.5
1958	58	15.0	71	21.0	81	28.0	83	32.3
1959	40	12.7	73	20.2	90	28.7	90	33.6
1960	21	3.9	52	11.7	68	20.1	74	25.2
1961	49	13.2	46	15.1	74	23.3	81	28.6
Normal		15.2		22.9		30.6		36.7

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

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W	S	W
<u>Teton Pass (Teton River)</u>								
1952	80	21.0	92	31.2	104	38.9	122	45.9
1953	44	11.6	78	24.9	83	30.2	91	36.9
1954	48	11.9	79	20.7	82	28.6	111	37.4
1955	32	7.9	52	15.6	80	18.8	91	34.0
1956	86	26.5	113	35.6	121	42.4	116	51.2
1957	45	13.8	64	19.4	91	28.4	98	35.1
1958	76	16.1	86	22.4	97	30.1	101	37.4
1959	44	12.3	76	21.6	96	29.4	102	36.9
1960	26	5.0	48	12.1	67	20.6	82	28.1
1961	47	11.8	47	14.2	70	20.0	75	25.7
Normal		15.7		24.1	3	31.5		39.1

<u>State Line (Teton River)</u>								
1952	42	9.7	49	14.6	56	18.3	60	20.0
1953	24	5.3	42	11.1	45	14.2	42	16.1
1954	26	4.6	43	7.9	42	13.0	61	18.9
1955	17	2.0	25	5.6	40	8.4	43	12.4
1956	33	9.6	51	13.6	58	17.9	49	18.9
1957	29	6.2	40	9.3	46	12.9	49	16.6
1958	45	7.9	54	11.6	48	14.4	46	15.8
1959	22	4.9	37	8.3	48	12.4	48	14.2
1960	15	2.0	25	5.0	38	9.9	36	12.4
1961	29	5.3	29	6.1	41	9.3	35	10.9
Normal		6.9		10.6		13.8		16.4

<u>East Rim (Hoback River)</u>								
1952	-	-	-	-	38	12.0	43	15.3
1953	-	-	-	-	34	11.4	33	10.4
1954	-	-	-	-	36	8.9	47	13.4
1955	9	1.2	17	3.5	26	6.1	33	9.1
1956	32	7.8	45	10.7	46	12.8	51	15.9
1957	21	5.2	28	6.7	33	9.3	36	11.1
1958	28	5.9	27	6.5	33	8.9	36	9.8
1959	22	5.7	31	6.9	37	10.4	36	10.3
1960	8	1.1	15	3.5	23	4.7	26	7.6
1961	15	2.7	15	2.8	21	4.0	24	6.5
Normal		4.0		6.9		10.5		12.4

<u>Bryan Flat (Hoback River)</u>								
1952	36	7.3	36	10.4	43	13.4	45	16.3
1953	17	3.5	25	8.0	27	9.6	29	12.5
1954	12	2.4	31	7.7	35	9.4	44	14.5
1955	9	1.1	15	3.0	29	5.0	30	8.1
1956	24	6.5	39	8.1	41	11.1	35	11.5
1957	21	4.5	28	5.8	27	8.3	31	9.8
1958	32	6.5	32	7.6	35	8.9	33	10.3
1959	16	3.9	26	6.0	31	8.3	27	9.4
1960	10	1.0	14	4.6	20	4.4	18	5.4
1961	-	-	18	4.3	23	5.3	21	5.9
Normal		4.5		7.0		9.4		11.2

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>Yellowjacket Flat (Gros Ventre River)</u>								
1952	-	-	-	-	27	5.6	30	7.1
1953	-	-	20	4.6	23	5.4	16	3.2
1954	-	-	-	-	28	6.5	31	7.9
1955	-	-	-	-	19	3.5	22	4.9
1956	-	-	32	7.3	39	9.2	29	9.4
1957	-	-	-	-	21	4.5	24	6.1
1958	-	-	24	3.0	27	4.7	27	7.7
1959	-	-	25	5.0	25	6.7	35	7.0
1960	-	-	15	2.1	20	4.0	-	-
1961	-	-	18	2.1		3.8	10	3.8
Normal	-	-		4.6		5.4		6.5

<u>Grover Park Divide (Salt River)</u>								
1952	35	7.6	39	10.7	46	14.0	53	15.9
1953	18	3.7	36	8.8	32	10.2	31	10.6
1954	18	3.9	25	6.6	29	7.9	46	13.4
1955	12	2.0	21	4.9	30	6.9	33	9.3
1956	27	7.1	38	9.8	50	13.1	53	12.1
1957	24	5.4	34	7.5	33	9.9	42	13.6
1958	26	6.0	41	8.4	45	13.0	43	14.9
1959	21	5.2	24	5.5	37	9.3	32	10.2
1960	16	2.6	25	5.1	39	10.5	35	11.3
1961	23	5.5	21	4.6	30	7.5	29	7.5
Normal		4.8		7.9		10.0		11.9

<u>CCC Camp FF12 (Salt River)</u>								
1952	35	7.8	40	11.2	45	13.5	49	16.0
1953	16	3.4	36	8.8	31	9.4	31	10.9
1954	21	4.7	30	7.9	32	9.5	46	12.9
1955	18	3.0	24	5.0	40	7.6	40	10.8
1956	27	7.2	46	10.5	51	13.2	39	12.1
1957	29	6.5	33	7.8	40	11.4	46	14.9
1958	26	6.0	37	7.9	35	10.7	37	12.4
1959	24	5.8	24	5.9	38	9.3	33	10.7
1960	15	2.6	24	5.0	38	9.3	26	9.6
1961	25	5.3	24	4.8	28	6.5	30	6.9
Normal		4.9		8.3		10.4		12.3

<u>Salt River Summit (Salt River)</u>								
1952	39	8.2	45	13.1	54	15.9	59	19.5
1953	21	4.5	42	10.8	38	12.2	37	13.0
1954	25	5.7	39	10.5	39	11.8	58	16.3
1955	21	3.1	25	5.2	45	7.9	44	12.1
1956	37	10.1	59	14.8	66	18.2	50	18.5
1957	36	7.3	39	10.0	50	14.6	54	18.6
1958	35	7.8	44	9.9	51	16.1	49	16.1
1959	27	6.7	30	7.4	45	11.6	42	14.3
1960	15	2.0	26	5.0	41	10.1	35	12.3
1961	31	7.3	30	6.6	38	8.7	36	10.0
Normal		6.3		10.7		13.9		16.2

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>Greys Boundary (Greys River)</u>								
1952	42	8.1	43	13.2	48	16.1	49	16.9
1953	23	4.9	33	9.9	37	10.6	24	9.3
1954	18	3.9	30	9.1	33	10.2	40	12.1
1955	20	1.9	24	5.5	38	7.9	35	11.1
1956	19	4.5	38	7.8	44	11.5	30	10.8
1957	22	4.2	30	6.3	28	8.5	32	12.4
1958	36	6.9	45	10.2	41	13.5	35	12.2
1959	16	4.7	23	6.2	37	11.0	36	11.9
1960	9	1.9	24	5.0	37	9.2	27	10.5
1961	22	5.3	21	3.9	26	6.9	25	7.5
Normal		5.1		7.9		10.6		11.9

On April 1, 1961, the snow (water content) was the following average percent of normal: above Jackson Lake 73%, Moran to Heise 67%, Island Park 80%, Fall River 78%, Teton River 66%.

Comparable figures for run-off during the year ending September 30, 1961, as percent of normal were: Snake River at Moran 80%, Snake River near Heise 72%, Henrys Fork near Ashton 90%, Fall River near Squirrel 81%, Teton River near St. Anthony 76%.

Precipitation for October, November, February, August and September was above normal. For all other months it was much below normal.

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

Forecasts by Soil Conservation Service - April 1, 1961

	Runoff in acre-feet - April thru Sept.		
	Forecast	Observed*	% difference
Snake River at Moran	644,000	668,700	- 3.7
Snake River near Heise	3,030,000	2,546,000	+19.0
Salt River near Etna	250,000	164,100	+52.3
Henrys Fork near Ashton	600,000	488,800	+22.7
Teton River nr. St. Anthony	325,000	252,500	+28.7

* Corrected for storage in upstream reservoirs.

Forecasts by U. S. Weather Bureau - April 1, 1961

Station	Period	Runoff in acre-feet		
		Forecast	Observed*	% Error
Snake R. at Moran	Apr.-Sept.	675,000	668,700	+ 0.9
Snake R. nr. Heise	Apr.-Sept.	3,040,000	2,546,000	+19.4
Salt R. nr. Etna	Oct.-Sept.	410,000	323,000	+26.9
Henrys Fork nr. Ashton	Oct.-Sept.	915,000	889,700	+ 2.9
Henrys Fork nr. Rexburg	Oct.-Sept.	1,110,000	910,400	+21.9
Fall River nr. Squirrel	Oct.-Sept.	469,000	440,800	+ 6.4
Teton R. nr. St. Anthony	Oct.-Sept.	472,000	407,900	+15.7

* Corrected for storage in upstream reservoirs.

1961 REGULATION SCHEDULE

April	26	Filled part of March 30, 1921 priority
	28	Filled part of October 7, 1905 priority
	29	Filled part of March 26, 1903 priority
May	10	Cut off March 26, 1903 priority
	11	Filled part of October 11, 1900 priority
	23	Filled part of March 26, 1903 priority
	24	Filled part of October 7, 1905 priority
	26	Filled part of August 23, 1906 priority
June	15	Cut off August 23, 1906 priority
	19	Filled part of March 26, 1903 priority
	23	Cut off 1902 priorities above Blackfoot
	25	Cut off October 11, 1900 priorities above Blackfoot
	26	Cut off 1898 priorities
	27	Cut off July 9, 1896 priorities
	28	Cut off June 1, 1895 priorities
	29	Filled 50% February 6, 1895 priority
	30	Cut off February 6, 1895 priority
July	1	Cut off August 18, 1894 priority
	2	Cut off May 1, 1892 priority
	3	Cut off all 1892 priorities
	8	Filled 60% December 14, 1891 priorities
	10	Cut off December 14, 1891 priorities
	11	Cut off June 1, 1891 priorities
	12	Cut off January 24, 1891 priorities
	13	Filled 75% October 16, 1890 priorities
	14	Filled 25% October 16, 1890 priorities
	15	Cut off July 12, 1890 priorities
	16	Cut off June 10, 1890 priorities
	18	Filled 80% July 10, 1889 priorities
	19	Cut off July 10, 1889 priorities
	20	Filled 90% June 1, 1889 priorities
	22	Filled 50% June 1, 1889 priority
	24	Cut off June 1, 1889 priority
	25	Filled 60% May 11, 1889 priority
	27	Filled 40% May 11, 1889 priority
Aug.	1	Filled 30% May 11, 1889 priority
	2	Filled 10% May 11, 1889 priority

Regulation Schedule - continued

Aug. 3	Cut off May 1, 1889 priority
7	Filled 50% May 1, 1889 priority
8	Filled 20% May 11, 1889 priority
9	Filled 40% May 11, 1889 priority
10	Filled all May 11, 1889 priority
11	Filled 50% June 1, 1889 priority
14	Filled 10% July 10, 1889 priority
15	Filled 50% July 10, 1889 priority
18	Filled all July 10, 1889 priority
19	Filled 50% June 1, 1890 priority
23	Cut off July 10, 1889 priority
24	Cut off 50% June 1, 1889 priority
25	Cut off June 1, 1889 priority
26	Cut off 50% May 11, 1889 priority
27	Filled 30% May 11, 1889 priority
Sept. 5	Restored May 11, 1889 priority
8	Cut 50% May 11, 1889 priority
11	Restored May 11, 1889 priority
12	Filled June 1, 1889 priority
13	Filled July 10, 1889 priority
14	Filled June 10, 1890 priority
17	Filled October 16, 1890 priority
18	Filled all 1895 priorities
19	Restored all rights

Separate regulation schedule for Teton River is included in a later section of this report.

Storage use charges started April 18 on the Michaud Project and April 15 on the Minidoka North Side Pump project. Storage diversions at Milner started April 21 and in the upper valley on May 11.

Storage releases from Island Park started June 15, from Henrys Lake July 3, and from Grassy Lake July 14.

WATER SUPPLY

Run-off in acre-feet at various gaging stations during the year ending September 30, 1961, was as follows:

<u>Station</u>	<u>1961 Run-off</u>	<u>Average run-off past years</u>	<u>Years of Record</u>	<u>1961 % of Average</u>
Snake River at Moran	823,300	1,034,000	58	80
Snake River near Heise	3,562,000	4,930,000	51	72
Snake River at Neeley	3,553,000	4,840,000	35	73
Fall River near Squirrel	440,700	543,600	47	81
Teton River near St. Anthony	407,900	534,700	28	76
Henrys Fork near Ashton	889,700	984,000	41	90
Henrys Fork near Rexburg	910,400	1,370,000	52	66

The run-off 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 Henrys Lake holdovers; at Rexburg for Grassy Lake, Island Park and Henrys Lake holdovers; at St. Anthony for Cross Cut Canal discharge into Teton River.

For all stations 1961 marks the fourth successive year of below normal run-off.

Peak daily discharges were as follows:

Snake River at Moran	6,300 cfs on July 31
Snake River near Heise	13,100 cfs on July 4
Snake River near Blackfoot	3,670 cfs on May 21, 22
Henrys Fork near Rexburg	2,470 cfs on May 31
Teton River near St. Anthony	2,130 cfs on May 27
Blackfoot River near Blackfoot	513 cfs on Mar. 16
Snake River at Milner	2,620 cfs on Feb. 27

All of these flows were much below levels that would result in flood damage.

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

Holdovers on September 30 in thousands of acre-feet

<u>Year</u>	<u>Jackson Lake</u>	<u>Pali-sades</u>	<u>American Falls</u>	<u>Lake Walcott</u>	<u>Henrys Lake</u>	<u>Island Park</u>	<u>Grassy Lake</u>	<u>Total Total</u>
1952	281.7		583	91.9	62.7	62.5	12.2	1,094.0
1953	232.4		488	91.2	65.0	34.0	11.3	921.9
1954	316.6		627	89.1	67.7	45.4	11.6	1,157.4
1955	192.8		264	93.6	50.4	27.1	11.2	639.1
1956	369.7		623	94.5	68.9	80.0	13.1	1,249.2
1957	615.8	423	293	92.2	68.8	50.1	11.9	1,554.8
1958	497.3	535	256	21.3	54.7	17.2	9.3	1,390.8
1959	551.3	449	90	95.2	63.1	19.8	6.4	1,274.8
1960	375.0	42	14	32.8	45.5	12.8	4.5	526.6
1961	3.3	294	101	57.2	38.8	13.6	5.6	513.5
Av.	343.6	174	334	75.9	58.6	36.2	9.7	1,032.0

Palisades figures are after deducting 200,000 acre-feet dead storage. The usable capacity of the above reservoirs is 4,072,000 acre-feet.

TRANSFERS AND CHANGES IN POINT OF DIVERSION

The following transfers and change in the point of diversion were authorized by the State Reclamation Engineer:

Certificate of Transfer No. 967

Geo. W. Nedrow, 0.6 cubic feet per second June 1, 1890 of the waters of Fall River transferred from land under the Silkey Ditch to land irrigated by pumping from the Henrys Fork.

Certificate of Transfer No. 968

Geo. W. Nedrow, 0.8 cubic feet per second June 1, 1890 of the waters of Falls River transferred from land under the Silkey Ditch to land irrigated by pumping from the Henrys Fork.

Certificate of Transfer No. 973

John L. McCulloch, 1.0 cubic feet per second June 1, 1890 of the waters of Falls River transferred from land under the Silkey Ditch to land irrigated by pumping from the Henrys Fork.

Certificate of Transfer No. 974

Clark Baum, 1.0 cubic feet per second June 1, 1890 of the waters of Falls River from land under the Silkey Ditch to land irrigated by pumping from the Henrys Fork.

Certificate of Transfer No. 975

Mac F. Reynolds, 2.0 cubic feet per second June 1, 1890 of the waters of Falls River from land under the Silkey Ditch to land irrigated by pumping from the Henrys Fork.

Change in Point of Diversion No. 253

Paul L. Byrd, 3.6 cubic feet per second Dec. 9, 1912 (license) of the waters of Sheep Creek changed to pumping diversion from Snake River.

LITIGATION

The following action was brought in the District Court of the Twelfth Judicial District:

George H. Pehrson and Luella D. Pehrson vs Henry Eagle

The plaintiffs sought 3.2 second-feet May 18, 1896 priority of the waters of South Leigh Creek for 160 acres of land. It is understood that a decree was granted by the Court but notification has not yet been received by the Watermaster.

COMMUNITY LATERAL MANAGERS

The following appointments were made for the 1961 season:

Vernal Lofthouse, Desert Ditch; Owen Larson, North and South Leigh Creeks.

CANAL DELIVERIES

Daily diversions from Snake River by canals above American Falls reservoir during the 1961 irrigation season are shown on Plates 6-10. Daily diversions for canals below American Falls are shown on Plates 59-70. Miscellaneous measurements of various canals and streams in the headwater areas are shown on Plate 24.

Total diversions during the 1961 irrigation season by all canals in the district, including headwater areas, as tabulated in the annual watermaster bill, amounted to 6,925,000 acre-feet. This is the lowest figure for these diversions in recent years.

Diversions during 1961 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	4,570	900	5.1
Progressive Irr. Dist. ✓	248,800 (a)	31,910	7.8
Farmers Friend ✓	93,800	11,800	7.9
Enterprise Canal	29,800	5,000	6.0
Nelson	160	60	2.7
Mattson Craig & Arnsberger	3,550	561	7.0
Ross & Rand	1,000	145	6.9
Butler Island ✓	12,300	1,260	9.8
Steele	1,540	220	7.0
Harrison ✓	100,700	13,000	7.7
Cheney	1,190	130	9.2
Rudy Irr. Co.	49,200	5,000	9.3
Kite & Nord	1,060	200	5.3
Burgess	198,700	22,000	9.0
Clark & Edwards ✓	19,500	1,800	10.8
Lowder	8,100	800	10.1
East Labelle ✓	31,000	3,000	10.3
Sunnydell	29,100	3,660	8.0
Lenroot	32,000	3,400	9.4
Reid ✓	42,400	5,500	7.7
Texas Feeder	65,100	9,000	7.2
Nelson Corey	1,410	400	3.5
Hill Pettinger	1,280	200	6.4
Rigby	44,800	4,000	11.2
Dilts ✓	4,540	575	7.9
Island	36,770	4,000	9.2

Diversions by Snake River canals, 1961 - continued

Canal	Diversions (acre-feet)	Acres Irrigated	Acre-feet per acre
W. Labelle & Long Island	132,700	11,500	11.5
Parks & Lewisville	94,900	7,000	13.5
North Rigby	13,900	1,400	9.9
White	520	110	4.7
Ellis	590	80	7.4
Bramwell	2,250	200	11.2
Butte & Market Lake	78,600	20,000	3.9
Osgood	28,100	5,500	5.1
Bear Island & Smith	610	330	1.8
Idaho	291,000 (a)	35,968	8.1
Kennedy	9,470	2,700	3.5
Great Western & Porter	167,300	25,200	6.6
Coy & Kellar	0	0	0
Woodville	19,300	2,700	7.2
SNAKE RIVER VALLEY	149,900 (a)	21,469	7.0
Reservation	93,200 (b)	33,000	2.8
Blackfoot	84,200	15,000	5.6
New Lava Side	35,300	6,000	5.9
Peoples	97,600	20,000	4.9
Aberdeen	293,800	63,000	4.7
Corbett	47,200	6,000	7.9
Nielsen-Hansen	3,020	460	6.6
Riverside	31,800	4,000	7.9
Danskin	51,100	6,000	8.5
Trego	15,100	1,800	8.4
Wearyrick	13,600	1,600	8.5
Watson	26,700	2,900	8.9
Parsons	9,990	1,030	9.2
Michaud (Falls Irrig.)	20,600 (c)	6,068 (c)	3.4
Minidoka Irr. Dist.	424,930	72,085	5.9
Burley Irr. Dist.	258,470	43,000	6.0
Minidoka North Side Pump	53,140	12,140	4.4
Twin Falls Canal Co.	1,005,000	202,607	5.0
North Side Canal Co.	811,000	159,500	5.1
Milner Low Lift	57,300	12,591	4.5
Gooding	355,300	67,700	5.2
Total	5,840,000	1,002,566	5.8

(a) Received additional water from Willow and Sand Creeks

(b) Received additional water from Sand Creek and Blackfoot R.

(c) Does not include land irrigated from wells.

These main river canals diverted about 15% less water than in 1960. Lower valley diversions were 16½% less than for 1960, while upper valley diversions were about 14% below the 1960 diversions.

Of the 2,986,000 acre-feet diverted by lower valley canals (below Neeley) 1,714,000 acre-feet or 57% was stored water. Upper valley main canals diverted 2,854,000 acre-feet of which 606,000 acre-feet or 21% 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>
1952	443	637	782	669	520	3051
1953	399	573	811	669	522	2974
1954	597	656	789	676	534	3252
1955	337	645	770	646	468	2866
1956	544	748	841	680	543	3356
1957	172	665	854	727	551	2969
1958	509	733	811	597	435	3085
1959	580	788	814	690	519	3391
1960	592	791	825	615	487	3310
1961	584	746	711	521	292	2854
Average	476	698	801	649	487	3111

Henrys Fork and Tributaries
(excluding headwater areas)

1952	210	225	223	181	118	957
1953	180	227	233	189	138	967
1954	224	236	225	185	133	1003
1955	153	249	229	177	128	936
1956	202	259	239	187	128	1015
1957	152	248	262	212	134	1008
1958	209	247	231	177	114	978
1959	223	270	233	190	130	1046
1960	216	261	221	178	132	1008
1961	170	247	174	138	75	804
Average	194	247	227	181	123	972

Figures are after deduction for water spilled from Cross Cut Canal into Teton River.

Minidoka Project

<u>Year</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
1952	20	164	149	181	171	108	793
1953	37	128	108	189	168	103	733
1954	51	161	116	174	168	107	777
1955	14	142	142	176	157	107	738
1956	70	149	148	183	159	91	800
1957	25	117	155	185	162	109	753
1958	22	174	149	181	167	96	789
1959	74	119	166	183	159	85	786
1960	46	162	165	188	157	109	827
1961	21	169	156	175	134	28	683
Average	38	148	145	182	160	94	768

North Side Canal Co. Project

1952	42	202	225	234	232	174	1109
1953	76	195	190	239	233	176	1109
1954	88	217	196	230	228	177	1136
1955	33	187	227	233	233	183	1096
1956	83	208	211	236	225	169	1132
1957	58	194	213	240	232	176	1113
1958	61	208	214	243	230	168	1124
1959	106	181	201	234	223	142	1087
1960	76	194	206	240	226	170	1112
1961	84	185	147	196	159	60	831
Average	71	197	203	232	222	160	1085

Twin Falls Project

1952	59	215	212	227	230	173	1116
1953	104	204	184	227	224	167	1110
1954	108	218	187	219	221	164	1117
1955	40	187	203	220	225	170	1045
1956	104	207	198	225	213	154	1101
1957	61	192	196	225	218	157	1049
1958	85	209	196	225	215	144	1074
1959	118	185	190	222	213	128	1056
1960	95	207	201	227	215	160	1105
1961	108	194	190	228	204	110	1034
Average	88	202	196	224	218	153	1081

Gooding Project

1952	0	65	84	92	95	72	408
1953	33	80	79	98	94	74	458
1954	32	88	86	95	94	81	476
1955	14	80	94	97	96	79	460
1956	22	83	85	99	90	72	451
1957	11	74	88	99	91	75	438
1958	23	78	91	99	94	76	461
1959	27	78	82	93	85	68	433
1960	21	89	91	99	89	63	452
1961	16	82	77	84	79	18	356
Average	20	80	86	96	91	68	439

Total diversions for the year were among the lowest of record.

For the upper valley canals from Heise to Blackfoot they were less than for any year since 1946. For the Henrys Fork they were the lowest since 1937, which was prior to the building of Island Park dam. During the past 30 years diversions by the Minidoka Project have been less than the 1961 diversions only for the years 1934 and 1944. For the same period North Side canal diversions were less than this year only during 1931 and 1934. Twin Falls canal diversions were the lowest since 1945 and Gooding diversions the lowest since 1938.

Precipitation during August and September reduced the irrigation demand and prevented critical shortages in some areas.

Ground water in the area from Rigby westward to Snake River did not reach as high a level during September as in the previous two years. Reduced canal diversions and lower river levels likely account for the lower level this year. The usual rise of the groundwater level in the area served by East branch of Blackfoot canal did not occur this year. This was likely largely owing to the sharply curtailed diversions and spill from the Snake River Valley canal.

RIVER DATA

The usual methods of segregating stored water and normal flow at the reservoir outlets was continued in use during 1961. 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. Owing to occasional wind effect on the Lake levels and reading that level to only the nearest 0.1 foot it was necessary to adjust the computed quantities over short periods to avoid unwarranted fluctuations in the computed normal flow

at reservoir outlet. 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. This was continued until about 30,000 acre-feet of stored water was used in maintaining natural flow rights. 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 the canals are shown on Plates 12, 12A, 13 and 13A for Snake River and Plate 21 for Henrys Fork.

The net total of stored water passing the Blackfoot gaging station during the irrigation season was 92,416 acre-feet. This is 15,592 acre-feet in excess of the 76,824 acre-feet of upper reservoir water which had to be run down the river for lower valley canals.

A number of canals were bothered with moss growth during the 1961 season. The Aberdeen canal reported an overall loss of 41.4% compared to 38½% in 1960, 36% in 1959 and 43½% in 1958.

For many canals which were shut off frequently the moss growth was greatly reduced from former years.

STORED WATER DELIVERIES

Reservoir Allotments

American Falls

Water available for allotment in American Falls Reservoir was computed as follows:

American Falls contents on April 21	1,575,000 acre-feet
American Falls water in Henrys Fork reservoirs	81,528 acre-feet
Less Palisades water in American Falls	<u>-55,324 acre-feet</u>
	1,601,204 acre-feet

Allotments were made to include 23,743 winter water savings that was creditable to Twin Falls Canal Company and 36,800 acre-feet credited to North Side Canal Co. The 6,010 acre-feet of overdraft in 1960 by the Gooding Canal and 640 acre-feet by the Idaho Power Co. were deducted from their respective allotments.

Jackson Lake

The water available for credit to Jackson Lake was computed as follows:

Jackson Lake contents (April 17)	136,690 acre-feet
Storage release (Oct. 9 to Apr. 28)	403,707 acre-feet
Stored to Jackson Lake priority (Apr. 17 to June 12)	207,010 acre-feet
Less Palisades holdovers in Jackson Lake (Oct. 9, 1960)	<u>-222,667 acre-feet</u>
Available for Jackson Lake allotment	524,740 acre-feet
Less holdovers in top space	-119,480 acre-feet
Less guarantee to American Falls exchange space	<u>-2,739 acre-feet</u>
Net to allot to bottom rights	402,521 acre-feet

The bottom rights were about 90% filled with no water in excess of holdovers for top rights.

PALISADES RESERVOIR

With the American Falls storage right failing to fill there was no water available for storage to the Palisades right except the credit for winter water savings and preferred space. Computations of allotments are as follows:

Palisades holdovers after 1½% shrink	405,673 acre-feet
Preferred space	143,000 acre-feet
North Side Canal winter water saving	<u>64,000 acre-feet</u>
Total to allot	613,273 acre-feet
Palisades contents (April 18)	691,000 acre-feet
Less Jackson storage in Palisades	<u>-140,100 acre-feet</u>
Palisades water in Palisades (April 18)	550,900 acre-feet
Palisades credit downstream	62,373 acre-feet
Palisades water in American Falls	55,324 acre-feet

1961 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 Irr. Dist.	610	1,452	320	2,382
Progressive Irr. Dist.	11,328	6,487	22,500	40,315
Farmers Friend		1,839	5,515	7,354
Enterprise	8,096	10,238	3,888	22,222
Mattson Craig			352	352
Butler Island			250	250
Harrison	10,912	10,839	12,831	34,582
Rudy	2,403	3,213	10,790	16,406
Burgess	8,618	9,635	18,441	36,694
Clark & Edwards			800	800
Lowder		1,040	1,600	2,640
East Labelle			800	800
Sunnydell		3,672	1,615	5,287
Lenroot	3,508	4,765	6,048	14,321
Reid	2,549	1,472	2,930	6,951
Texas & Liberty Park			4,700	4,700
Enterprise Irr. Dist.	9,244	5,294		14,538
Rigby			5,203	5,203
Island			2,252	2,252
Dilts	804	460	547	1,811
West Labelle			105	105
Long Island			1,410	1,410
Parks & Lewisville			4,268	4,268
North Rigby			1,130	1,130
Butte & Market Lake	4,234	2,425	28,225	34,884
Osgood (U.I.S.Co.)	13,043	7,693	15,250	35,986
Bear Island	173	99		272
Smith	18	11		29
Kennedy	45	353	1,223	1,621
Idaho	22,911	13,230	58,800	94,941
Martin	1,820	2,420	2,981	7,221
New Sweden Irr. Dist.	23,347	17,960	13,757	55,064
West Side Mutual			1,040	1,040
Woodville	5,486	3,141	1,544	10,171

Storage allotments (continued)

<u>Canal</u>	<u>American Falls</u>	<u>Jackson Lake</u>	<u>Palisades</u>	<u>Total</u>
Snake River Valley	23,924	27,475	24,899	76,298
Palisades Water Users			8,713	8,713
Blackfoot	12,763	7,370	4,050	24,183
New Lava Side			5,209	5,209
Peoples	19,431	18,474	8,007	45,912
Aberdeen	50,440	67,936	55,948	174,324
Corbett	3,382	1,961	6,300	11,643
Riverside			1,384	1,384
Danskin			2,180	2,180
Trego	1,314	758	3,200	5,272
Wearyrick			600	600
Watson			1,710	1,710
Parsons			0	0
Michaud (Indian Service)	46,708		36,786	83,494
Michaud (Falls Irr.Dist.)	23,300		29,757	53,057
Minidoka Irrig. Dist.	75,821	170,809	21,951	268,581
Burley Irrig. Dist.	143,311	2,556	22,403	168,270
Minidoka N. S. Pump	43,183		57,654	100,837
Milner Low Lift	41,455		19,233	60,688
Twin Falls Canal	151,185	48,761		199,946
Hillsdale	37,334			37,334
North Side Canal	397,214	70,902	64,600	532,716
Gooding	356,930			356,930
Idaho Power Co.	44,360			44,360
City of Pocatello			3,380	3,380
J. R. Simplot			0	0
Westvaco			1,585	1,585
U. S.			171	171
Total	1,601,204	524,740	610,835	2,736,779

The storage rental committee supervised the rental of stored water. The following table is a summary of the season's rentals:

Summary of Water District No. 36 rentals - 1961

<u>Sources</u>		<u>Rentals</u>	
U.S. Indian Service	22,291	Swan Valley	3,060
Falls Irrig. Dist.	5,000	Heise to Shelley	16,775
Danskin Canal	1,300	Reservation	2,480
Wearyrick	500	Low Lift	100
Riverside	350	Teton Basin	2,409
Utah-Idaho Sugar Co.	2,000	North Fork	5,107
10% Penalty on stored normal	3,902	Fremont-Madison Dist.	5,000
Total	35,343	Total	34,931

After all storage computations were completed there remained 412 acre-feet of unrented water in the storage pool. If there is vacant reservoir space this will be carried over and rented next year.

All rentals were at the rate of 50¢ per acre-foot. Additional rentals on the Henrys Fork are discussed in a later part of this report.

It was necessary to deliver some storage water past Blackfoot for use of lower valley canals. This required that the lower valley canals be charged with the river transmission loss involved. Charges were computed as follows:

1961 Storage in Acre-feet

<u>Canal</u>	<u>Allotment below Blackfoot</u>	<u>Total storage use</u>	<u>Excess over lower Res. allotment</u>
Minidoka Project	350,735	517,575	166,840
Minidoka N. S. Pump	43,183	53,139	9,956
North Side Canal	434,548	520,459	85,911
Twin Falls Canal	151,185	192,823	41,638
Milner Low Lift	41,455	54,337	12,882
Total			317,227
Upper valley American Falls space for exchange			240,403
Balance to deliver from upper reservoirs			76,824

Deliver $\frac{76,824}{317,227} = 24.217\%$ from upper reservoirs

<u>Canal</u>	<u>To deliver from upstream</u>	<u>River Loss*</u>	<u>Total Storage charge</u>
Minidoka Project	40,404	5,510	523,085
Minidoka N. S. Pump	2,411	329	53,468
North Side Canal	20,805	2,837	523,296
Twin Falls Canal	10,084	1,375	194,198
Milner Low Lift	3,120	425	54,762
Total	76,824	10,426	

* Used average loss of 12% from reservoirs = 13.64% times amount diverted.

Supply and disposal of stored water, 1961
(acre-feet)

Supply

Jackson Lake	April 17	136,690
Credited to Jackson Lake	April 17 to	
priority	June 12	207,010
Palisades (usable)	April 18	691,000
American Falls	April 21	1,575,000
Lake Walcott	April 21	88,550
Henrys Lake	April 15	55,000
Credited to Henrys Lake priority	April 15-28	1,900
Island Park	April 17	120,220
Grassy Lake	April 15	7,500
Indian & Bergman Res. yield		389
Sheridan Creek right		2,146*
Gain Neeley to Milner		43,053*
Total		2,928,458

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

Disposal

Used by Snake River rights		2,337,394
Used by Henrys Fork rights		148,228
Storage transmission loss Snake River		36,004
Storage transmission loss Henrys Fork		4,522
Storage transmission loss Cross Cut Canal		3,408
Henrys Lake loss		1,724
River operation storage waste past Milner		1,071
Groundwater depletion, Westvaco, Simplot		1,000
Holdovers: Jackson Lake	Sept. 18	1,890
Palisades (usable)	Sept. 19	257,000
American Falls	Sept. 19	38,000
Lake Walcott	Sept. 19	57,300
Henrys Lake	Sept. 12	36,500
Island Park	Sept. 13	13,200
Grassy Lake	Sept. 13	5,510
Total		2,942,751

There is a difference of 14,293 acre-feet with more storage being accounted for than required. Part of this is owing to some storage charges made prior to April 21 and after the end of the regulation period. Also some water was being stored to the American Falls and Lake Walcott rights during the last few days of the regulation season.

Total reservoir holdovers on September 19 were 409,400 acre-feet. Of this amount about 54,000 acre-feet was creditable to Jackson Lake and 353,000 to Palisades Reservoir. This assumes all Minidoka carry-over in Palisades reservoir. The minimum contents of Lake Walcott was 30,420 acre-feet on September 6, and it may not be possible to move all of this upstream to become Palisades holdover.

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 years 1958 to 1961.

Area #1 (Tributary to American Falls)
(figures in acre-feet)

Year	(from wells)			(from Am.Falls Res.)			Excess	Contr. to Gr.Water
	Acres	Pumped	Consumed	Acres	Del'd	Consumed		
1958	2,391	5,213	4,300	922	4,600	1,650	2,950	-1,350
1959	2,745	5,166	4,900	4,434	11,500	8,000	3,500	-1,400
1960	2,774	5,329	5,000	4,455	13,500	8,050	5,450	450
1961	2,774	6,230	5,000	4,555	14,800	8,200	6,600	1,600

Area #2 (Tributary below American Falls)

Year	(From wells)			(From Am.Falls Res.)			Excess	Contr. to Gr.Water
	Acres	Pumped	Consumed	Acres	Del'd	Consumed		
1958	407	1,291	740	507	3,838	918	2,920	2,180
1959	845	1,653	1,500	1,509	4,227	2,720	1,507	7
1960	885	2,100	1,600	1,613	4,608	2,900	1,708	108
1961	884	2,820*	1,600	1,613	5,060	2,900	2,160	560

* Includes 536 acre-feet pumped from well and delivered to land under West Branch canal.

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.

GROUNDWATER PUMPING

An additional credit to American Falls reservoir is water now being pumped from wells by the City of Pocatello, the Westvaco Company, and the J. R. Simplot Company. Only a part of the water pumped is used consumptively. The use by the City of Pocatello remained below the amount permitted before a charge is made against their Palisades space. Only 1,000 acre-feet was charged against the above users owing to low carryovers in their Palisades space. It appears that American Falls reservoir will fill and spill in 1962 so that the effect of this pumping in American Falls contents will be removed.

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, 1961
(Alpine dates and 24-hr. cfs except as noted)

Station	May	June	July	Aug.	Sept.	Total
Moran	14,976	80,440	172,920	99,040	21,900	389,276
Snake-Alpine	167,660	287,840	236,330	146,330	75,860	914,020
Greys	39,715	33,019	11,824	8,769	8,368	101,695
Salt	17,138	10,142	10,931	11,788	14,905	64,904
Total Alpine	224,513	331,001	259,085	166,887	99,133	1,080,619
Total gain cfs	209,537	250,561	86,165	67,847	77,233	691,343
Mean gain cfs	6,759	8,352	2,778	2,189	2,575	4,519
Total gain a.f.	415,600	497,000	170,900	134,600	153,200	1,371,300

The gains were much less than last year for each month except September. The higher September gain resulted from above normal precipitation.

Gain in Snake River, Alpine to Heise, 1961
(No correction for time of flow and 24-hr cfs except as noted)

Station	May	June	July	Aug.	Sept.	Total
Palisades release	35,796	0	88,733	76,633	5,042	206,204
Total supply	260,309	331,001	347,818	243,520	104,175	1,286,823
Heise	307,370	368,800	374,100	265,120	122,030	1,437,420
Riley	461	730	604	458	51	2,304
Total acct. for	307,831	369,530	374,704	265,578	122,081	1,439,724
Total gain cfs	47,522	38,529	26,886	22,058	17,906	152,901
Mean gain cfs	1,533	1,284	867	712	597	999
Total gain a.f.	94,260	76,420	53,330	43,750	35,520	303,280

The gains for each month were much less than for 1960.

Gain in Snake River, Heise to Shelley, 1961
(Heise dates and 24-hr cfs, except as noted)

Station	May	June	July	Aug.	Sept.	Total
Heise & Riley	307,831	369,530	374,704	265,578	122,081	1,439,724
Rexburg	46,944	40,165	27,913	33,198	48,920	197,140
Total supply	354,775	409,695	402,617	298,776	171,001	1,636,864
Diversions	197,790	269,300	259,700	191,740	115,790	1,034,320
Shelley	148,800	151,000	157,400	129,100	87,200	673,500
Total acct. for	346,590	420,300	417,100	320,840	202,990	1,707,820
Total gain cfs	-8,185	10,605	14,483	22,064	31,989	70,956
Mean gain cfs	-264	354	467	712	1,070	464
Total gain a.f.	-16,230	21,030	28,730	43,760	63,450	140,740

The loss for May was greater than in 1960 and the gains for each of the other months were less than a year ago. The pattern was the same as last year with a loss occurring during the early part of the season when ground water was low and a progressive increase in the gain as the groundwater level was built up from irrigation. The average gain is 113 cfs less than a year ago. This gain includes inflow from Market Lake Springs credited to Owners Mutual Irrigation Company. Measurements are shown on Plate 24.

Gain or loss in Snake River, Shelley to Blackfoot, 1961
(Shelley dates and 24-hr cfs, except as noted)
(- indicates loss)

Station	May	June	July	Aug.	Sept.	Total
Shelley	147,960	151,160	156,900	129,980	89,160	675,160
Blackfoot River	893	362	4	7	2,550	3,816
Total supply	148,853	151,522	156,904	129,987	91,710	678,976
Diversions	96,810	107,000	98,560	70,850	31,444	404,664
Blackfoot	53,700	44,300	51,660	52,100	64,230	265,990
Total acct.for	150,510	151,300	150,220	122,950	95,674	670,654
Total diff.cfs	+1,657	-222	-6,684	-7,037	+3,964	-8,322
Mean diff. cfs	+53	-7	-216	-227	+132	-54
Total diff.a.f.	+3,290	-440	-13,260	-13,960	+7,860	-16,510

During the period May through September the average loss was 54 cfs compared to 49 cfs in 1960. If the 180 cfs groundwater inflow above the Blackfoot station is taken into account the average daily loss was 234 cfs. With the short supply there was a minimum of spill from canals to the river which results in a gain in good water years.

Gain or loss in Snake River, Blackfoot to Neeley, 1961
(Neeley dates and 24-hr cfs, except as noted)
(- indicates loss)

Station	May	June	July	Aug.	Sept.	Total
Blackfoot	55,390	44,470	49,700	53,080	64,240	266,880
Inflow*	79,922	73,876	75,778	78,141	78,932	386,649
Res. draft	191,100	183,000	238,500	160,300	-45,400	727,500
Total supply	326,412	301,346	363,978	291,521	97,772	1,381,029
Diversions	1,120	2,810	3,257	2,335	702	10,224
Neeley	329,760	299,100	363,400	276,520	95,940	1,364,720
Total use	330,880	301,910	366,657	278,855	96,642	1,374,944
Total diff.cfs	4,468	564	2,679	-12,666	-1,130	-6,085
Mean diff. cfs	144	19	86	-408	-38	-40
Total diff.a.f.	8,860	1,120	5,310	-25,120	-2,240	-12,070

There was an average loss of 40 cfs compared to a gain of 94 cfs in 1960. The average loss of 408 cfs in August is higher than would be expected with the falling reservoir and low reservoir levels at that time. This indicated loss may be partly owing to silting in American Falls reservoir or inaccuracies in the streamflow records.

* A tabulation of inflow data is shown on Plate 11. Ten sets of measurements were obtained during the period and figures

interpolated between measurements. Figures of daily waste from the Aberdeen Project were furnished by Mr. Jake Isaak, manager. Unmeasured inflow as computed from "Newell" formula varied from 1,240 to 1,300 cfs.

In cooperation with the Groundwater Branch of the U. S. Geological Survey, measurements of the flow of Ruegar Springs were obtained. Results are tabulated below:

Discharge of Ruegar Springs in cfs

<u>Date</u>	<u>Discharge</u>	<u>Date</u>	<u>Discharge</u>
Apr. 18, 1961	24.3	Aug. 17	21.3
May 13	22.0	Sept. 9	18.5
May 31	25.4	Sept. 22	19.1
June 12	24.2	Oct. 12	22.1
June 29	22.0	Nov. 7	22.2
July 11	21.6	Dec. 3	25.2
Aug. 1	18.6		

Gain or loss in Snake River, Neeley to Minidoka, 1961
(Minidoka dates and 24-hr cfs, except as noted)
- indicates loss)

<u>Station</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Total</u>
Neeley	329,150	299,000	363,700	278,600	97,070	1,367,520
Walcott release	-4,290	-410	2,110	17,540	-970	13,980
Total supply	324,860	298,590	365,810	296,140	96,100	1,381,500
N. Minidoka	48,050	41,559	50,790	36,220	7,266	183,885
S. Minidoka	37,276	36,900	37,309	31,353	7,021	149,859
Minidoka	241,810	215,890	266,810	227,660	93,579	1,045,749
Total use	327,136	294,349	354,909	295,233	107,866	1,379,493
Total diff.cfs	2,276	-4,241	-10,901	-907	11,766	-2,007
Mean diff. cfs	73	-141	-352	-29	392	-13
Total diff.a.f.	4,510	-8,410	-21,620	-1,800	23,340	-3,980

The average loss was 13 cfs compared to 46 cfs in 1960. The September gain was greater than usual owing to above normal precipitation.

Gain in Snake River, Minidoka to Milner, 1961
(Milner dates and 24-hr cfs, except as noted)

Station	May	June	July	Aug.	Sept.	Total
Minidoka	241,600	215,620	267,050	228,180	96,600	1,049,050
Misc. diver.	20	20	30	10	0	80
Min.N.S.Pump	4,772	5,407	7,321	6,258	2,148	25,906
P. A.	1,756	1,792	2,207	1,930	1,147	8,832
Milner Low Lift	6,233	5,724	7,076	6,333	2,982	28,348
Gooding	62,860	59,550	67,040	62,290	19,630	271,370
North Side	69,910	51,847	71,850	55,574	18,597	267,778
Twin Falls	97,800	95,720	114,770	102,940	55,640	466,870
L.Milner stored	+1,170	-520	+500	-250	-1,160	-260
Milner	4,408	176	165	81	180	55,010
Total use	248,929	219,716	270,959	235,166	99,164	1,073,934
Total gain cfs	7,329	4,096	3,909	6,986	2,564	24,884
Mean gain cfs	236	137	126	225	85	163
Total gain a.f.	14,540	8,120	7,750	13,860	5,090	49,360

The total gain in this section was about half of that for 1960. This reduced gain was probably owing to curtailed use of water by the Minidoka canals and a resulting lower return flow to the river.

The overall gain Neeley to Milner for the period May through September was 45,380 acre-feet. The Minidoka Project was credited with 43,053 acre-feet of this gain.

DISTRIBUTION ON HENRYS FORK

Mr. O. P. Mortensen continued his position as Deputy Watermaster at St. Anthony in charge of water distribution on Henrys Fork, Falls River and lower Teton River. He was assisted by S. B. Garrett on Henrys Fork and Falls River and by L. C. Anderson on Teton River.

Elmer Lenz, river rider on upper Falls River, continued his special work dividing water between the Boom Creek and Squirrel Creek Canals; one-half, or \$166.25 of the cost of this special work was charged to the two canal companies and one-half as a general District No. 36 charge. Results of the observations on Squirrel Creek are shown on Plate 23B.

Owing to deficient run-off a heavy draft was made on all three reservoirs serving the Henrys Fork area. As in past years the river was so operated as to leave most of the holdover in Henrys Lake, as it takes about $2\frac{1}{2}$ years average runoff to completely fill Henrys Lake if no water at all was discharged from it during such a time period.

Releases from Henrys Lake were discontinued on September 12, those from Grassy Lake on September 6, and from Island Park Reservoir on September 13.

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 1961. During the period June 9-25 stored water was charged a daily loss of 30 cfs. During various days in July and August 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.

1961 REGULATION SCHEDULE

There were a few days when the regulation schedule on the Henrys Fork was cut to earlier priorities than the main river. For most of the season the Teton River was cut to earlier priorities. An abbreviated schedule is shown below:

Teton River Regulation Schedule, 1961

July	7	Filled 85% of June 1, 1885 priorities
	8	Filled 1891 priorities
	12	Filled 40% June 1, 1885 priorities
	21	Filled 20% June 1, 1885 priorities
	27	Filled 40% June 1, 1885 priorities
	30	Filled 10% June 1, 1885 priorities
Aug.	1	Cut off June 1, 1885 priorities
	8	Filled 80% June 1, 1885 priorities
	10	Filled June 1, 1885 priorities
Sept.	15	Filled June 10, 1890 priorities

Figures showing the operation of the Cross Cut Canal in 1961 are shown on Plate 23A. It delivered about 17,300 acre-feet to the Fall River Canal and 36,600 acre-feet to Teton River with an average transmission loss of 9.3%.

Mr. A. L. Larson made six trips to the Island Park area during the season to regulate the lower than normal supply. The following miscellaneous measurements were made while regulating water in this area:

June 19

Duck Creek at highway - Gage 1.40	7.12 cfs
Duck Creek into Henrys Lake	4

June 29

Sheridan Creek at Highway 22 - Gage 0.76	9.27 cfs
Sheridan Creek above diversions	38.7
Morrain Creek	5.29
Hagenbarth Springs (Howard Creek)	2.41
Taylor Creek at F. S. road	0.5
Snyder Creek at F. S. road	4
Myers Creek at F. S. road	2
Willow Creek at F. S. road	8
Icehouse Creek at F. S. road	15
Grubb diversion from Icehouse Creek	1

July 7

Twin Creek diversions	3.3 cfs
Jesse Creek diversions	1
Howard Creek into Henrys Lake	0
Howard Creek diversions	4.5
Targhee Creek into Henrys Lake	0
Targhee Creek diversions	10
Duck Creek at highway - Gage 1.10	4

July 31

Hotel Creek at Highway 22	15	cfs
Sheep Creek at Highway 22	1.5	
Icehouse Creek at Highway 22	8	
Sheridan Creek at Highway 22 - Gage 0.56	5.45	
Sheridan Creek above diversions	32.2	
Taylor Creek at F. S. road	0	
Snyder Creek at F. S. road	4	
Willow Creek at F. S. road	3	
Icehouse Creek at F. S. road	10	
Grubb diversion from Icehouse Creek	3	

August 10

Twin Creek diversions	6	cfs
Howard Creek diversions	3	
Targhee Creek diversions	6	
Targhee Creek into Henrys Lake	0	
Fish Hatchery Springs	1	
Johnson Springs	2.38	
Duck Creek at highway - Gage 1.08	4.37	

August 26

Targhee Creek at highway	4	cfs
Duck Creek at highway - Gage 0.97	3	

August 28

Hotel Creek at Highway 22	5	cfs
Sheep Creek at Highway 22	0.5	
Icehouse Creek at Highway 22	8	
Sheridan Creek at Highway 22 - Gage 1.00	11	
Sheridan Creek at F. S. road (includes Morrain Creek temporarily turned into Sheridan Creek)	28.7	
Taylor Creek at F. S. road	0	
Snyder Creek at F. S. road	4	
Willow Creek at F. S. road	2	
Icehouse Creek at F. S. road	8	
Grubb diversion from Icehouse Creek	5	

Occasional measurements of Big Springs near Island Park have been obtained in recent years. As shown in the following tabulation the discharge has decreased during the past two years.

<u>Date</u>	<u>Discharge in cfs</u>	<u>Date</u>	<u>Discharge in cfs</u>
July 14, 1950	187	June 21, 1960	176
Sept. 3, 1959	181	July 25, 1961	165
Oct. 19, 1959	186		

CANAL DELIVERIES IN HENRYS FORK BASIN

Diversions during the 1961 irrigation season, May to September, from Falls River, Henrys Fork and Lower Teton River

Canal	Diversions (acre-feet)	Area Irrigated (acres)	Acre-feet per acre
<u>Falls River Canals</u>			
Yellowstone	1,420	1,200	1.2
Marysville	31,300	15,000	2.1
Farmers Own	10,700	4,800	2.2
Almy	450	80	5.6
Enterprise	19,800	5,885	3.4
Bell	1,170	320	3.7
Fall River	76,500 (a)	9,000	8.5
McBee	270	127	2.1
Chester	10,700	1,400	7.6
Silkey	3,410	680	5.0
Cur	10,500	1,300	8.1
Total Falls River	166,220	39,792	4.2

(a) Includes 17,300 diverted through Cross Cut.

Henrys Fork Canals

Dewey	3,890	1,500	2.6
Last Chance	17,800	1,860	9.6
St. Anthony Union	130,500	9,700	13.5
Farmers Friend	21,500	2,550	8.4
Twin Groves	22,400	2,200	10.2
Salem Union	49,200	5,500	9.0
Egin	79,500	7,000	11.3
St. Anthony U. Feeder	25,800	2,300	11.2
Independent	59,800	6,000	9.9
Consolidated Farmers	51,600	6,000	8.6
Total Henrys Fork	461,990	44,610	10.3

Lower Teton Canals

Siddoway	2,760	500	5.5
Wilford	27,700	2,300	12.0
Teton Irrigation	24,100	2,000	12.0
Good Luck	3,330	330	10.1
Pioneer	3,150	300	10.5
Stewart	4,460	425	10.5
Pincock-Byington	1,830	400	4.6
Pincock-Garner	3,750	480	7.8
Teton Island Feeder	93,500	10,400	9.0
Roxana	3,460 (b)	880	3.9
Island Ward	4,320 (b)	3,300	1.3
North Salem	2,300 (c)	450	5.1
Woodmansee-Johnson	2,520 (d)	1,330	1.9
City of Rexburg	6,910	720	9.6
Rexburg Irrigation	47,100	5,280	8.9

Diversions during 1961 irrigation season - continued

Canal	Diversions (acre-feet)	Area Irrigated (acres)	Acre-feet per acre
<u>Lower Teton Canals - continued</u>			
McCormick-Rowe	2,000	160	12.5
Saurey Sommers	4,280	375	11.4
Gardner	320	200	1.6
Eames Thompson	200	160	1.2
Total Lower Teton	237,990	30,090	7.9
Total Falls River, Henrys Fork and Lower Teton	866,200	114,480	7.5

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

(c) Used additional water from Henrys Fork thru Salem Union

(d) Used additional water from Moody Cr. & Teton Irr. Canal waste.

The diversions in this area were about 14% less than for 1960, with the deficiency mostly in Falls River and Henrys Fork diversions.

Of the total diversions of 866,200 acre-feet, 146,330 acre-feet or 16.9% was stored water.

Diversions by some of the principal canals in the headwater areas for the 1961 irrigation season (May 15 to September 30) are shown below:

Canal	Diversions (acre-feet)	Area Irrigated (acres)	Acre-feet per acre
String Canal	10,200	2,300	4.4
Trail Creek Irr. Co.	17,700	5,500	3.2
Fox Creek Canals	10,000	3,750	2.7
Darby Creek Canals	14,700	4,800	3.1
Grand Teton Canal	30,000	6,400	4.7
Canyon Creek Canal	2,990	2,200	1.4
Conant Creek Canal	2,520	1,500	1.7
Squirrel Creek Canal	1,080	900	1.2
Boom Creek Canal	680	240	2.8

Diversions were mostly less than a year ago. Summer was dry and streamflow below normal, so that there was a substantial shortage of water until mid-August and September, when heavy rains occurred.

STORED WATER DELIVERIES ON HENRYS FORK

For the first time since Island Park reservoir was built American Falls reservoir failed to fill. As a result, water stored in Grassy Lake and Island Park reservoirs was credited to the prior American Falls right and left the Henrys Fork users with a serious shortage of stored water. The situation was made more critical because it appeared until late in the spring that the American Falls right would fill.

It has been the practice to retain water in Henrys Lake that should be withdrawn to supply Henrys Lake storage users. Whenever Island Park and American Falls reservoirs fill and spill this retained water is credited to the Henrys Lake users and becomes an additional supply. The small drainage area above Henrys Lake produces an average annual run-off of 35,000 acre-feet. Without the above retention of water in Henrys Lake there would be few years when it would fill to its 80,000 acre-foot capacity.

At the end of the 1960 irrigation season storage diversions on the Henrys Fork had exceeded the amount withdrawn from reservoirs by 44,030 acre-feet (reservoir measurement). Reservoir holdovers were computed as follows:

Reservoir contents October 1, 1960:

Henrys Lake	45,500 acre-feet
Island Park	12,760
Grassy Lake	<u>4,460</u>
Total	62,720 acre-feet
Amount owing main river	<u>44,030</u>
Holdovers credited to Henrys Fork	18,690

This was divided giving 10,000 acre-feet to Henrys Lake users and 8,690 acre-feet to the Fremont-Madison district.

Henrys Lake Allotment, 1961

Henrys Lake holdover October 1, 1960	10,000 acre-feet
Henrys Lake releases (Oct. 1 to Apr. 28)	5,810
Henrys Lake stored (Oct. 1 to Apr. 28)	<u>11,400</u>
Total	27,210 acre-feet
Less dead storage and loss	<u>2,000</u>
Balance to allot	25,210 acre-feet

Allotted

<u>Canal</u>	<u>Percent</u>	<u>Acre-feet</u>
Dewey	1.43	361
Last Chance	13.87	3,497
St. Anthony Union	6.8	1,714
Salem Union	24.2	6,101
Egin	6.8	1,714
Independent	26.8	6,756
Consolidated Farmers	<u>20.1</u>	<u>5,067</u>
Total	100.0	25,210

This was a little over 30% of the usual allotment and is the lowest since 1936.

During the period June 19 to September 12, the Henrys Lake contents dropped 24,800 acre-feet. During the same period the storage released (based on estimated inflow) amounted to 23,076 acre-feet. The difference is 1,724 acre-feet indicated loss which is 264 acre-feet less than estimated. An adjustment will be made in the 1962 allotments and is shown in Henrys Fork storage summary in a later section of this report.

The shortage of storage water for Henrys Fork users owing to American Falls reservoir not filling was met by emergency measures. The Idaho Power Company consented to terminating the release of American Falls storage for power production below Milner. This American Falls storage was exchanged for Island Park storage and made available to the Fremont-Madison district. The Falls Irrigation

District rented 5,000 acre-feet of its American Falls storage to the Fremont-Madison district. With the above rentals the Fremont-Madison allotments were made from the following supply:

Fremont-Madison holdovers Oct. 1, 1960	8,690 acre-feet
Storage permitted prior to American Falls	45,000
Sheridan Creek right	2,146
Idaho Power Company primary storage	31,253
Rented from Falls Irrigation District	<u>5,000</u>
Total to allot	92,089 acre-feet

This was only 70% of the usual allotment and was supplemented by another 5,000 acre-feet made available to the district through the storage pool committee for rental to those in greatest need. In addition 3,000 acre-feet was rented through the pool committee to owners of space in Henrys Lake and 2,107 acre-feet in smaller amounts to those in greatest need. Details of storage diversions and rentals are shown on Plates 22 and 23.

A committee composed of R. Willis Walker, O. P. Mortensen, and L. C. Anderson determined the distribution of available rental water to Henrys Fork users.

Because of the large amount of American Falls storage in Henrys Fork reservoirs it was necessary to move some of this downstream during the irrigation season. As shown on Plate 21 for the period June 2 to September 20, there was 888 cfs or 1,761 acre-feet of stored water passing the Rexburg gaging station in excess of that required to balance the storage account. The following tabulation includes this and other related items:

Henrys Fork storage balance at Rexburg gage	1,761 acre-ft
Enterprise district allotment*	13,629
Palisades allotments used on Henrys Fork & Teton*	<u>157</u>
Stored water passing Rexburg gage (June 2 to Sept. 20)	15,547 acre-ft

* After allowing for 6½% Snake River transmission loss.

Water was stored adversely in all three Henrys Fork reservoirs during April and May. This was accounted for in the daily computations on Plates 12 and 12A in the column headed "Stored Inflow Henrys Fork". For the period from April 17 to September 20, there was a negative storage balance of 8,944 cfs or 17,740 acre-feet.

Supply and Disposal of Stored Water, 1961

Supply

Fremont-Madison Allotment	92,089
Henrys Lake Allotment	25,210
Henrys Lake Adjustment	264
Rentals to Teton Basin	2,409
Rentals to Henrys Fork	5,107
Rentals to Fremont-Madison District	5,000
From Jackson, Am. Falls, Palisades	<u>13,786</u>
Supply at reservoirs	143,865
Headgate equivalent	139,620

Disposal

Stored diversions	148,229
River losses	4,522
Cruss Cut loss	<u>3,408</u>
Total use	156,159
Less headgate equivalent	<u>-139,620</u>
Used in excess of supply	16,539

Analysis on the basis of either the river storage balance or the storage accounts indicates that Henrys Fork users owed the main river around 17,000 acre-feet as a result of this season's operation. This resulted from allowing many of the canals to overdraw their storage in the reservoir system as a whole. With an urgent need for storage these users were willing to draw against their 1962 supply to finish maturing their crops.

Adding the lower figure of 16,500 acre-feet deficit for 1961 to the 43,300 of 1960 leaves the Henrys Fork users owing the main river 59,800 acre-feet (Rexburg measurement).

This deficit is covered by the 55,210 acre-feet of carryover in the three Henrys Fork reservoirs and credited to main river reservoirs. The difference to be made up if required from the advance use of 1962 allocations. There will be no holdover credit to either Henrys Lake, Island Park or Grassy Lake reservoirs for 1962.

At this writing it appears that American Falls reservoir will fill and spill before the 1962 irrigation season. If this occurs and if Island Park reservoir also spills in excess of 59,800 acre-feet while its storage priority is in effect, the above deficit will be removed.

Negotiations continued throughout the summer to compensate the Idaho Power Company for the 31,253 acre-feet of their American Falls primary storage which was used by the Fremont-Madison District. The Bureau of Reclamation made proposals for the exchange of Cascade Reservoir storage for the American Falls storage. Their proposals were not acceptable to the Power Company, and during the November meeting of the Committee of Nine an arrangement was agreed upon whereby the Bureau would rent this water to the Fremont-Madison District from other space. The Idaho Power Company was then permitted to receive additional water past Milner to make up the 31,253 acre-feet. Releases at Milner were increased on November 11, 1961, and all this storage is to be used before November 15, 1962.

Summary of Reservoir Holdovers, September 13, 1961

Henrys Lake	36,500 acre-feet
Island Park	13,200 acre-feet
Grassy Lake	<u>5,510 acre-feet</u>
Total	55,210 acre-feet

All of this is creditable to Palisades holdovers at this date.

RIVER GAINS IN HENRYS FORK BASIN, 1961

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, 1961 (Island Park dates and 24-hr cfs, except as noted)

Station	May	June	July	Aug.	Sept.	Total
Lake	416	590	3,986	5,940	2,098	13,030
I. P. release	-1,540	12,560	31,010	16,000	1,470	59,500
Total supply	-1,124	13,150	34,996	21,940	3,568	72,530
Island Park	19,638	27,656	46,860	36,786	18,849	149,789
Total gain cfs	20,762	14,506	11,864	14,846	15,281	77,259
Mean gain cfs	670	484	383	479	509	505
Total gain a.f.	41,180	28,770	23,530	29,450	30,310	153,240

The average gain for the period is 20 cfs less than last year and is the lowest since 1941.

Gain in Henrys Fork, Island Park to Ashton, 1961 (Ashton dates and 24-hr cfs, except as noted)

Station	May	June	July	Aug.	Sept.	Total
Island Park	19,350	27,010	47,090	36,936	19,064	149,450
Ashton	54,700	50,830	71,650	59,230	37,880	274,290
Total gain cfs	35,350	23,820	24,560	22,294	18,816	124,840
Mean gain cfs	1,140	794	792	719	627	816
Total gain a.f.	70,120	47,250	48,710	44,230	37,320	247,620

For each month except July the gain is less than for a year ago. The gain for the five months is the lowest since 1941.

Gain in Henrys Fork, Ashton to St. Anthony, 1961
(St. Anthony dates and 24-hr cfs, except as noted)

Station	May	June	July	Aug.	Sept.	Total
Ashton	54,700	50,830	71,650	59,230	37,880	274,290
Chester	47,846	26,095	2,805	5,480	11,032	93,258
Total supply	102,546	76,925	74,455	64,710	48,912	367,548
Diversions	37,896	37,810	36,256	26,906	12,355	151,223
St. Anthony	64,880	43,168	36,432	37,450	39,510	221,440
Total acct for	102,776	80,978	72,688	64,356	51,865	372,663
Total gain cfs	230	4,053	-1,767	-354	2,953	5,115
Mean gain cfs	7	135	-57	-11	95	33
Total gain a.f.	460	8,040	-3,500	-700	5,860	10,160

The gain in this section is caused by return flow from irrigation. The losses indicated in July and August reflect the reduced return flow owing to lower than usual diversions during those months. This condition has not occurred since the availability of Island Park storage. The mean gain for the period was 33 cfs compared to 101 in 1960.

Gain in Fall River, Squirrel to Chester, 1961
(Chester dates and 24-hr cfs, except as noted)

Station	May	June	July	Aug.	Sept.	Total
Squirrel	54,802	44,740	13,990	14,172	15,376	143,080
Diversions	12,548	22,187	12,804	9,725	5,609	62,873
Chester	48,166	25,395	2,855	5,510	11,072	92,998
Total acct. for	60,714	47,582	15,659	15,235	16,681	155,871
Total gain cfs	5,912	2,842	1,669	1,063	1,305	12,791
Mean gain cfs	191	95	54	34	44	84
Total gain a.f.	11,730	5,640	3,310	2,110	2,590	25,380

The gain is less for each month than in 1960. The mean gain is 57 cfs less than a year ago and is the lowest since 1934.

Gain in Henrys Fork and Teton River, St. Anthony to Rexburg, 1961
(St. Anthony 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>
Teton River	34,420	34,723	24,015	19,294	17,510	129,962
Henrys Fork	64,710	43,498	36,402	37,418	39,500	221,528
Total Supply	99,130	78,221	60,417	56,712	57,010	351,490
Teton Diversions	28,111	33,861	24,301	19,575	14,157	120,005
H.Fk. Diversions	33,956	27,602	21,517	17,907	8,321	109,303
Rexburg	47,560	39,325	28,060	33,300	49,160	197,405
Total acct. for	109,627	100,788	73,878	70,782	71,638	426,713
Total gain cfs	10,497	22,567	13,461	14,070	14,628	75,223
Mean gain cfs	339	752	434	454	489	492
Total gain a.f.	20,820	44,760	26,700	27,910	29,010	149,200

The average daily gain of 492 cfs is 64 cfs less than that for 1960 and is the lowest for any year since 1942. This gain is produced mostly by return flow from upstream irrigation use and the 149,200 acre-feet total gain for the five-month period is equal to about 17% of the 866,200 acre-feet diverted by canals above Rexburg during the same period. This is the same percentage as for 1960 and 4% less than 1958 and 1959. Much additional return flow moves westward towards Mud Lake and Market Lake and there is further drain off to Henrys Fork during the non-irrigation season.

TETON BASIN

Mr. Arthur W. Wilson, with summer office at Driggs, served as Deputy Watermaster in Teton Basin during 1961. He replaced C. Drue Cooper who had held this position since 1949. During his twelve years of service Mr. Cooper did an outstanding job in improving Teton Basin regulation. His death on June 20, 1961, is regretted by a host of friends.

With the water content of the snow on April 1 on the Teton watershed being only 66% of normal, the resulting run-off was the lowest for many years. Precipitation for June at Driggs was only

0.07" compared to a normal of 2.15". For all other months (May to September) it was above normal.

Canals were permitted to divert floodwater for a couple weeks after they should have been cut had they been operated strictly on the main river priorities. This operation together with above normal May precipitation brought the sub up so that the contribution to the Teton River was substantially increased during later months.

There were some crop losses owing to shortage of water. Except for the above normal precipitation, losses would have been severe. Heavy precipitation and cold weather in September and October resulted in some crops not being harvested.

The discharge of various streams and canals and storage used in Teton Basin through exchange for natural flow is shown on Plates 23, 24, 46, 47.

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.

The Fremont-Madison District allotted 4,890 acre-feet to Teton Basin users. Teton Basin users rented 1,894 acre-feet from Water District 36. After accounting for storage transfers there was available a total of 6,664 acre-feet, reservoir measurement, equivalent to 9,594 acre-feet headgate diversion allocation. Actual storage diversions were 9,419 acre-feet with additional diversions permitted prior

to cutting to main river regulation schedule.

Mr. Owen Larson of Tetonia served as special deputy on the Leigh and Spring Creeks on an hourly basis for time actually spent. Mr. Vernon Harris assisted during the early part of the season. 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. There were requests for regulation in Teton Basin prior to the time Mr. Wilson was available which were taken care of by Mr. Larson. One-half of the cost of Mr. Larson's and Mr. Harris' services, amounting to \$599.00, was charged as a special item to the local users and a similar amount was charged as general District 36 expense.

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

David Peterson again served as Deputy Watermaster in the Swan Valley area and also as deputy watermaster on several canals. The local users were charged \$5.00 a day, or \$485.00 total, as a special charge and the balance of the cost of his services, amounting to \$873.00, was charged as general expense of District 36.

With only small holdovers of Palisades storage and no allocation of new water, there was a heavy use of rented water. Swan Valley users rented 3,060 acre-feet from Water District 36 during 1961.

CLIMATOLOGICAL DATA
(Precipitation in inches for year ending September 30, 1961)

Month	<u>Alta</u>		<u>Moran</u>		<u>Jackson</u>		<u>Bedford</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.	1.81	1.53	2.17	1.43	2.65	1.09	2.06	1.58	1.95	1.31
Nov.	1.79	1.37	2.98	1.80	2.00	1.10	2.33	1.73	2.43	1.66
Dec.	.80	1.56	1.53	2.40	.43	1.67	.70	2.24	.91	2.45
Jan.	T	1.51	.54	2.24	0	1.47	.27	2.14	.19	1.81
Feb.	1.39	1.43	2.55	2.18	.71	1.41	1.78	1.87	1.93	1.92
Mar.	1.11	1.51	1.90	2.05	(.56)	1.28	1.79	2.00	1.14	1.78
Apr.	.60	1.37	2.32	1.69	.81	1.16	1.29	1.56	.76	1.51
May	2.45	2.07	1.99	1.89	1.62	1.51	1.72	2.00	1.39	1.79
June	.44	2.34	.25	1.86	.38	1.59	1.02	2.17	.81	1.81
July	1.12	1.04	.54	1.02	.38	.78	.45	.93	.97	.77
Aug.	2.09	1.19	1.58	1.33	.91	1.19	2.49	1.05	2.02	1.26
Sept.	3.93	1.29	4.76	1.32	3.93	1.08	3.13	1.25	4.86	1.42
Year	17.53	18.21	23.11	21.21	14.38	15.33	19.03	20.52	19.36	19.49

Month	<u>Ashton</u>		<u>Idaho Falls</u>		<u>Pocatello</u>		<u>Twin Falls</u>		<u>Av. 9 Stas.</u>	
	<u>Act.</u>	<u>Nor.</u>	<u>Act.</u>	<u>Nor.</u>	<u>Act.</u>	<u>Nor.</u>	<u>Act.</u>	<u>Nor.</u>	<u>Act.</u>	<u>Nor.</u>
Oct.	1.71	1.35	0.39	0.61	0.52	1.04	0.56	0.75	1.53	1.19
Nov.	1.81	1.58	.90	.53	1.31	1.06	1.56	.93	1.90	1.31
Dec.	1.00	1.99	.19	.86	.72	1.14	.53	.88	.76	1.69
Jan.	.24	1.74	.03	.92	.24	1.21	.19	1.01	.19	1.56
Feb.	2.94	1.76	1.06	.73	1.44	.96	1.30	.70	1.68	1.44
Mar.	2.04	1.41	.49	.71	1.11	1.13	1.30	.85	1.27	1.42
Apr.	1.11	.97	.53	.69	.76	1.32	.22	.99	.93	1.25
May	1.28	1.35	.56	.94	1.29	1.21	.82	.88	1.46	1.52
June	.49	2.09	.42	1.22	.38	1.02	.22	.85	.49	1.66
July	.22	.88	.54	.59	.48	.76	.41	.27	.57	.78
Aug.	1.16	.98	.66	.51	.15	.72	.57	.13	1.29	.93
Sept.	2.94	.94	2.70	.66	1.97	.90	.98	.48	3.25	1.04
Year	16.94	17.04	8.47	8.97	10.37	12.47	8.66	8.72	15.32	15.79

* Used 14 year average.

On an average for the nine stations the precipitation for the water year ending September 30, 1961, was almost normal. Except for the above-normal precipitation in August and September it would have been less than 80% of normal.

REMARKS

The practice of supplementing surface water supplies by pumping from ground water was accelerated during the past dry summer. In many instances individuals took advantage of federal funds made

available under a drought relief program to finance up to 75% of the cost of pump installations.

Upper valley canals were again permitted to shut off at intervals and receive credit for 90% of the saved normal flow. The 10% penalty (amounting to 3,902 acre-feet) was credited to the storage pool and rented to other users. An operating schedule was set up for the canals diverting from the Great Feeder channel which greatly reduced the river fluctuations noted last year.

The Minidoka Irrigation district and North Side Canal Company were permitted to shut off for a few days early in the season and receive credit for their stored normal flow. This was done after permission was obtained from all lower valley canals that might have been affected.

One of the emergency measures adopted to obtain rental water was the advance use of stored water in 1961 that would normally have been made available in 1962. Mr. H. T. Nelson, Regional Director of the Bureau of Reclamation, initiated a meeting with officials of the U. S. Bureau of Indian Affairs. At this meeting the Indian Service agreed to release for rental 15,000 acre-feet of its American Falls storage credited to the Michaud Project. This was water that they would have expected to carry over in Blackfoot reservoir and make available in 1962 and was in addition to 14,700 acre-feet previously released for rental. The Fort Hall project then used water from its Blackfoot Reservoir instead of using from the Snake River supply. It was agreed that the Indian Service would be permitted to hold over any unused American Falls water in Palisades Reservoir for use next year. At the end of the season it was necessary to rent only

22,291 acre-feet instead of the 29,700 offered by the Indian Service. After adjusting for storage diversions by the Fort Hall project there remained 7,606 acre-feet of this year's American Falls allotment to be added to the Indian Service 1962 allotment in Palisades.

The contents of the Blackfoot-Marsh reservoir on September 30, 1961, was 74,100 acre-feet compared to 150,200 acre-feet a year ago. This is less than for any year since 1942 when it was about the same.

While 1961 was the fourth consecutive year of below normal run-off in the District and the driest since 1941, few serious losses resulted in areas that had access to stored water. For the last three years the availability of Palisades storage has prevented substantial crop loss. It should be noted that total reservoir holdovers at the end of season were only 13% of capacity and that should 1962 be another dry year the benefits from Palisades Reservoir will be largely confined to those having holdover storage.

EXPENDITURES DURING YEAR ENDING SEPTEMBER 30, 1961

Engineers and Hydrographers:

H. C. Eagle	Salary, Oct.-Sept. (1 yr)	\$ 9,755.20
A. L. Larson	Salary, Oct.-Sept.	8,340.80
R. W. Harper	Salary, Oct.-Sept.	4,756.80
O. P. Mortensen	Salary .13 mo. \$400 mo. 5.00 mo. @ \$420	2,190.00
Oleen Dummer	Salary .94 mo. @ \$400 4.27 mo. @ \$420	2,170.00
A. H. Bush	Salary 2.5 mo. @ \$420	1,049.00
Arthur W. Wilson	Salary 3.45 mo. @ \$420	1,450.00
S. Geo. Pilcher	Salary 13 days @ \$18 day	234.00

Clerk:

Charlotte E. Wood	Salary, Oct.-Sept.	5,345.60
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River Riders:

D. R. Anthony	126 days @ \$12.00 incl. mileage	1,512.00
J. M. Brown	126 days @ \$12.00 incl. mileage	1,512.00
J. A. Balmforth	61 days @ \$13.00 incl. mileage	793.00
C. J. Anderson	128 days @ \$12.00 incl. mileage	1,536.00

Expenditures during year ending September 30, 1961, continued

River Riders (continued)

David Peterson	97 days @ \$14.00 incl. mileage	\$ 1,358.00
L. C. Anderson	117 days @ \$16.50 incl. mileage	1,930.50
S. B. Garrett	88 days @ \$16.50 incl. mileage	1,435.50
Elmer Lenz	4 mos. @ \$110.00 incl. mileage	
Seth Hansen	166½ hrs. @ \$2.00 incl. mileage	772.50
Owen Larson	26 hrs. @ \$2.00, incl. mileage	52.00
Vernon Harris	559 hrs. @ \$2.00, incl. mileage	1,118.00
	14 hrs. @ \$2.00, incl. mileage	28.00

Miscellaneous:

Transportation, 3,430 mi @ 9¢ mile	
30,417 mi @ 9½¢ mile	3,198.28
Transportation, Government car, 1 year	1,988.78
Telephone and Telemark	946.21
Supplies and Equipment	2,189.65
Gage Readers	673.00
Bond Premium & Ins. (incl. Hospital & Life)	567.17
Interest	99.63
Social Security	367.19
Subsistence	393.00
Groundwater Investigations	1,500.00
Postage	362.92
Retirement Fund (Federal)	1,832.84
S. George Pilcher	90.00
Government Travel Expense - R. W. Harper	277.11
Government Travel Expense - A. L. Larson	207.13
Lynn Crandall	947.08
Monroe Calculating Co.	44.74
TOTAL	\$ 63,023.63

Expenditures from various funds

Consolidated State repay and Federal accounts	\$ 28,169.96
Waterusers Funds	34,853.67
TOTAL	\$ 63,023.63

In addition to the foregoing, upper valley members of the Committee of Nine were paid \$2,205.98 for services at \$10.00 per day and expenses, which was pro-rated among upper valley canals.

Funds on hand September 30, 1961:

Federal and State accounts (Fiscal year begins July 1)	\$25,048.00
Water District Funds	-3,809.39*
Total	\$21,238.61

* Waterusers operating funds are collected after October 1 of each year. With operating costs increasing each year and assessments made on past year's costs, there is always a deficit at the end of September. The balance on hand on December 31, 1961, is \$8,841.57.

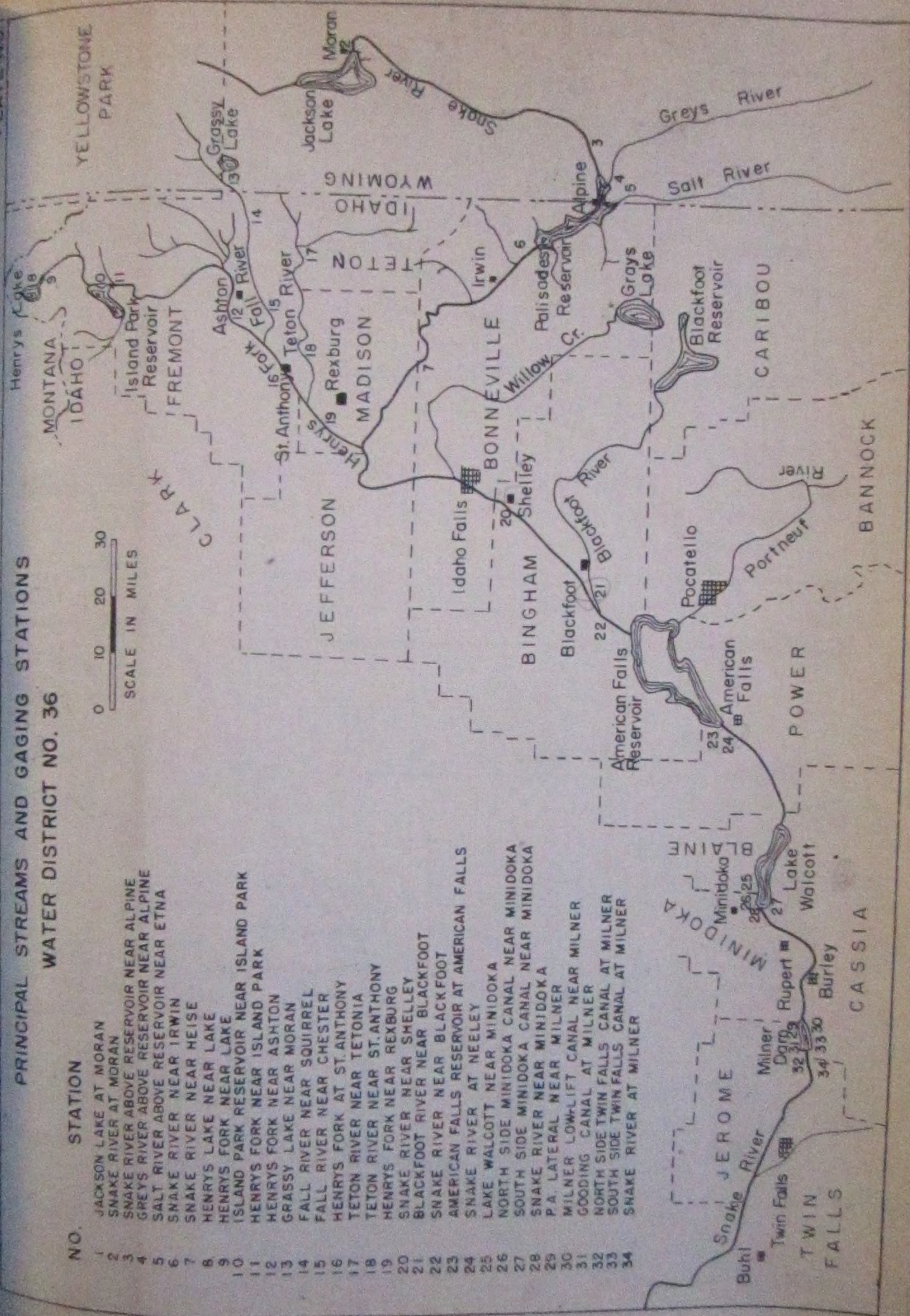
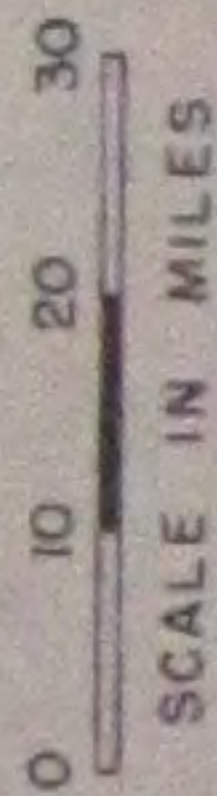
The financial report this year was prepared to correspond with the rest of the report, that is, on a water year basis (October 1-September 30). In previous years it has been on a calendar year basis.

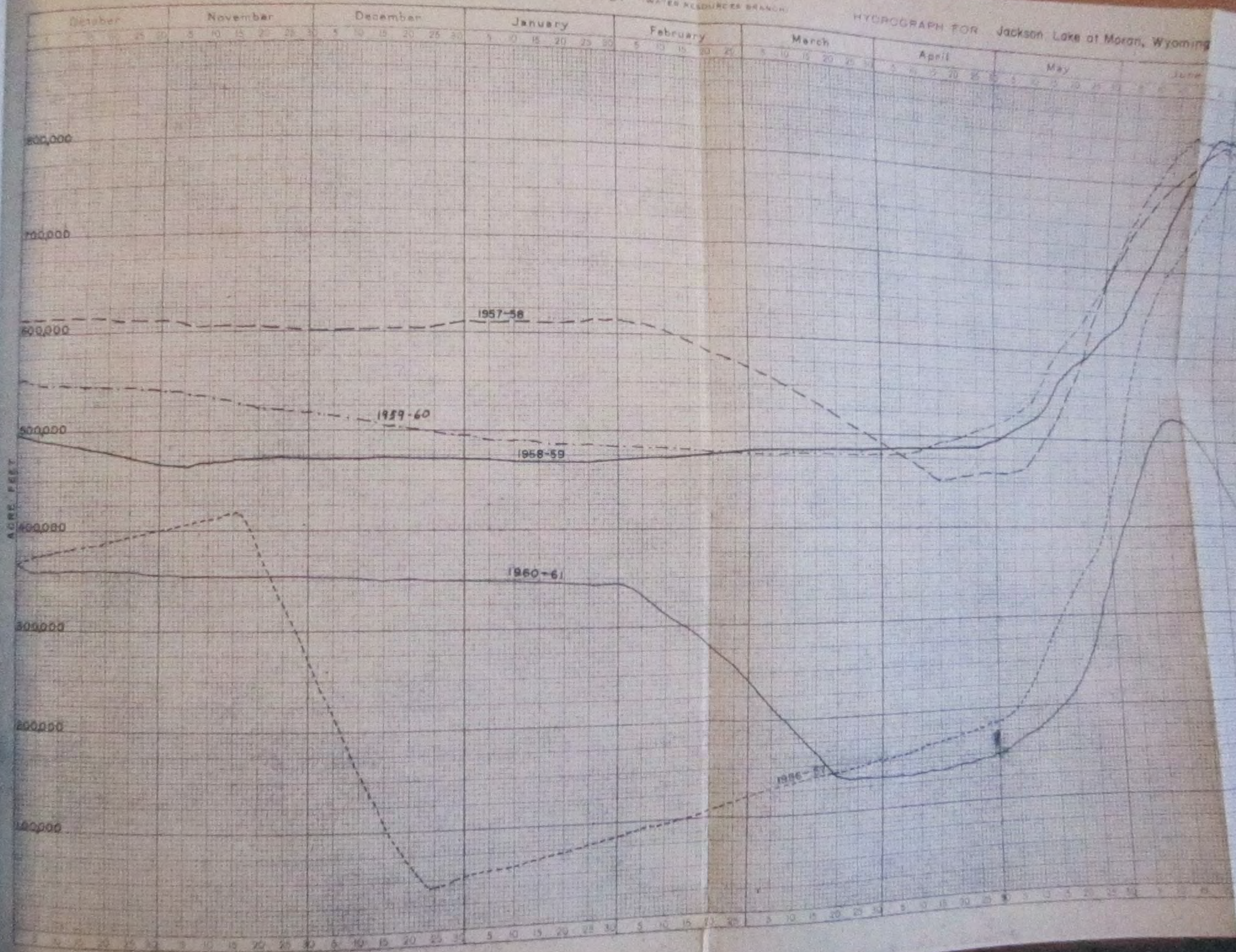
Federal funds provided are for the operation of 65 stream flow gaging stations which are located within and near the boundaries of Water District 36.

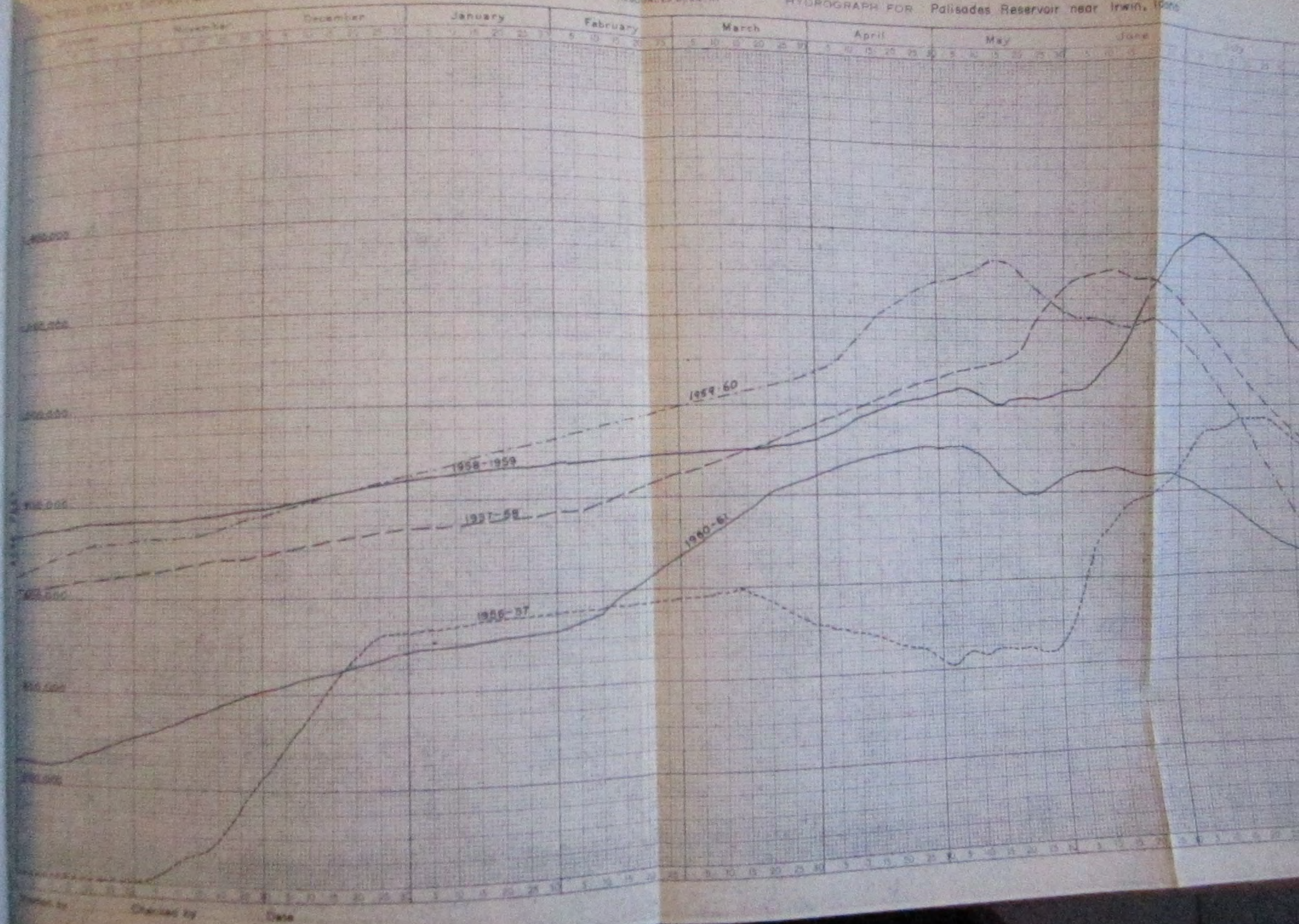
PRINCIPAL STREAMS AND GAGING STATIONS

WATER DISTRICT NO. 36

- | NO. | STATION |
|-----|--|
| 1 | JACKSON LAKE AT MORAN |
| 2 | SNAKE RIVER ABOVE RESERVOIR NEAR ALPINE |
| 3 | GREYS RIVER ABOVE RESERVOIR NEAR ALPINE |
| 4 | SALT RIVER ABOVE RESERVOIR NEAR ETNA |
| 5 | SNAKE RIVER NEAR IRWIN |
| 6 | SNAKE RIVER NEAR HEISE |
| 7 | HENRYS LAKE NEAR LAKE |
| 8 | HENRYS LAKE NEAR LAKE |
| 9 | HENRYS LAKE 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 | FALL RIVER NEAR SQUIRREL |
| 15 | FALL RIVER NEAR CHESTER |
| 16 | HENRYS FORK AT ST. ANTHONY |
| 17 | TETON RIVER NEAR TETONIA |
| 18 | TETON RIVER NEAR ST. ANTHONY |
| 19 | HENRYS FORK NEAR REXBURG |
| 20 | SNAKE RIVER NEAR SHELLEY |
| 21 | BLACKFOOT RIVER NEAR BLACKFOOT |
| 22 | SNAKE RIVER NEAR BLACKFOOT |
| 23 | AMERICAN FALLS RESERVOIR AT AMERICAN FALLS |
| 24 | SNAKE RIVER AT NEELEY |
| 25 | LAKE WALCOTT NEAR MINIDOKA |
| 26 | NORTH SIDE MINIDOKA CANAL NEAR MINIDOKA |
| 27 | SOUTH SIDE MINIDOKA CANAL NEAR MINIDOKA |
| 28 | SNAKE RIVER NEAR MINIDOKA |
| 29 | P.A. LATERAL NEAR MINIDOKA |
| 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 |

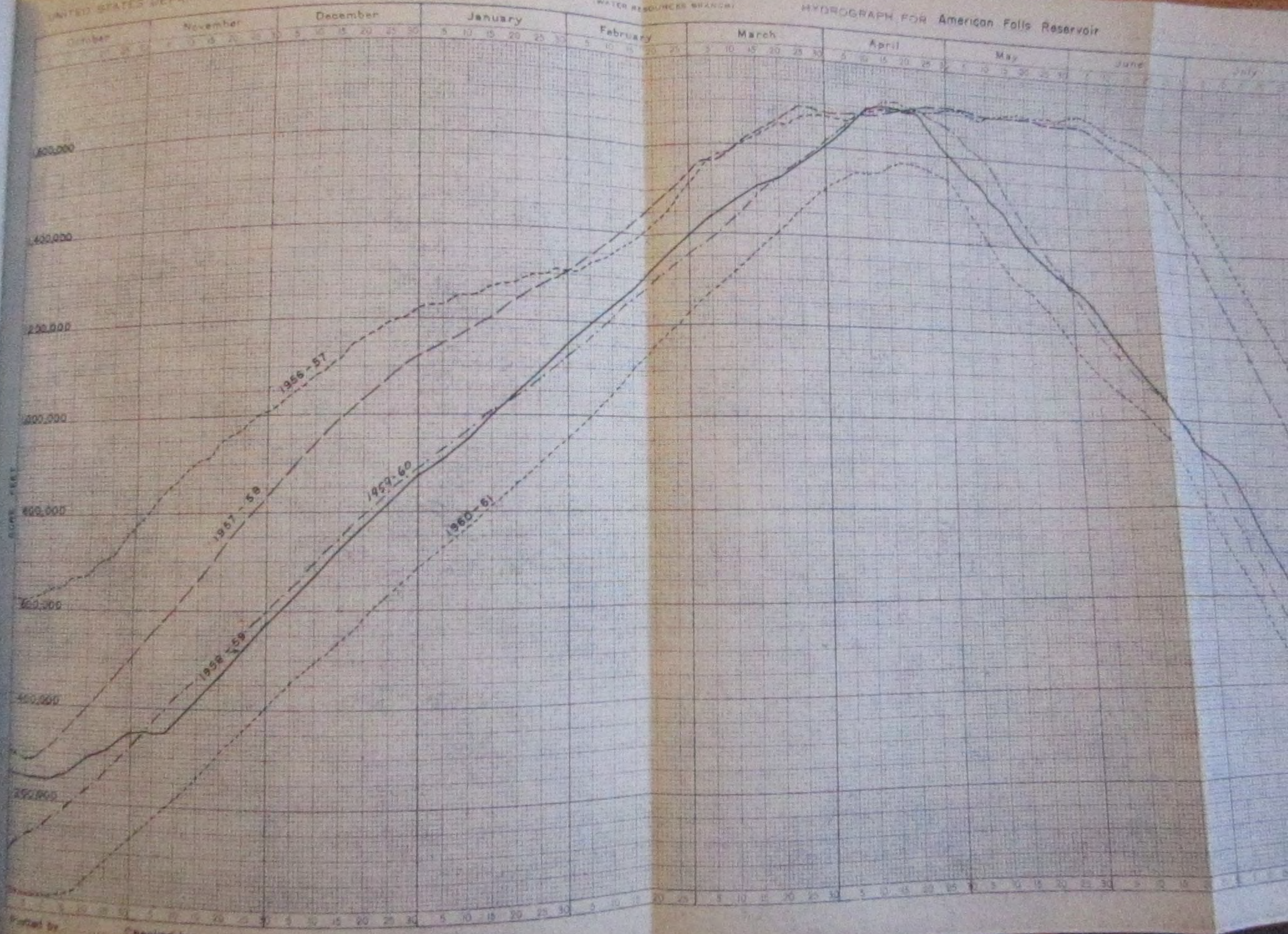


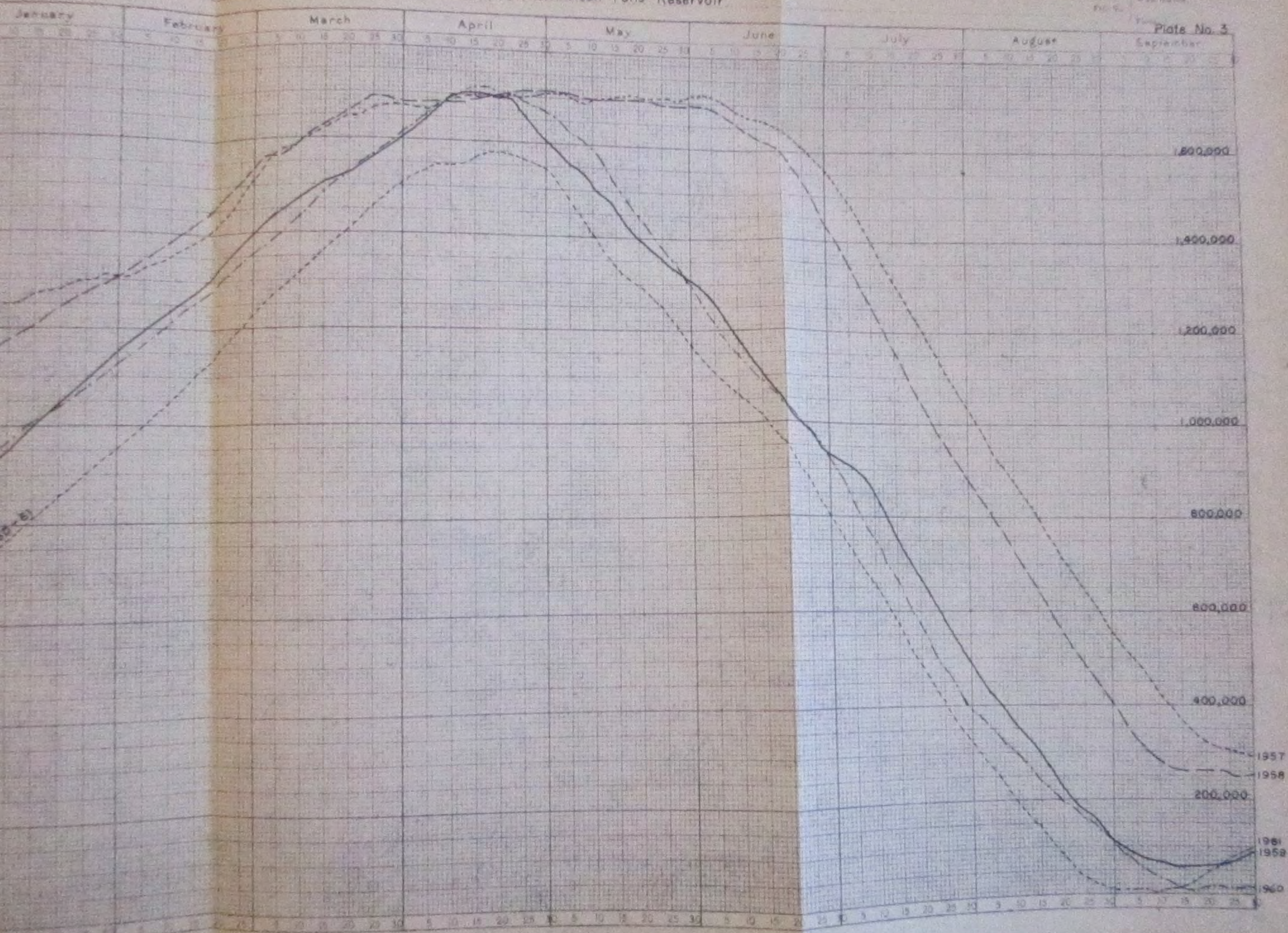




HYDROGRAPH FOR Palisades Reservoir near Irwin, Idaho

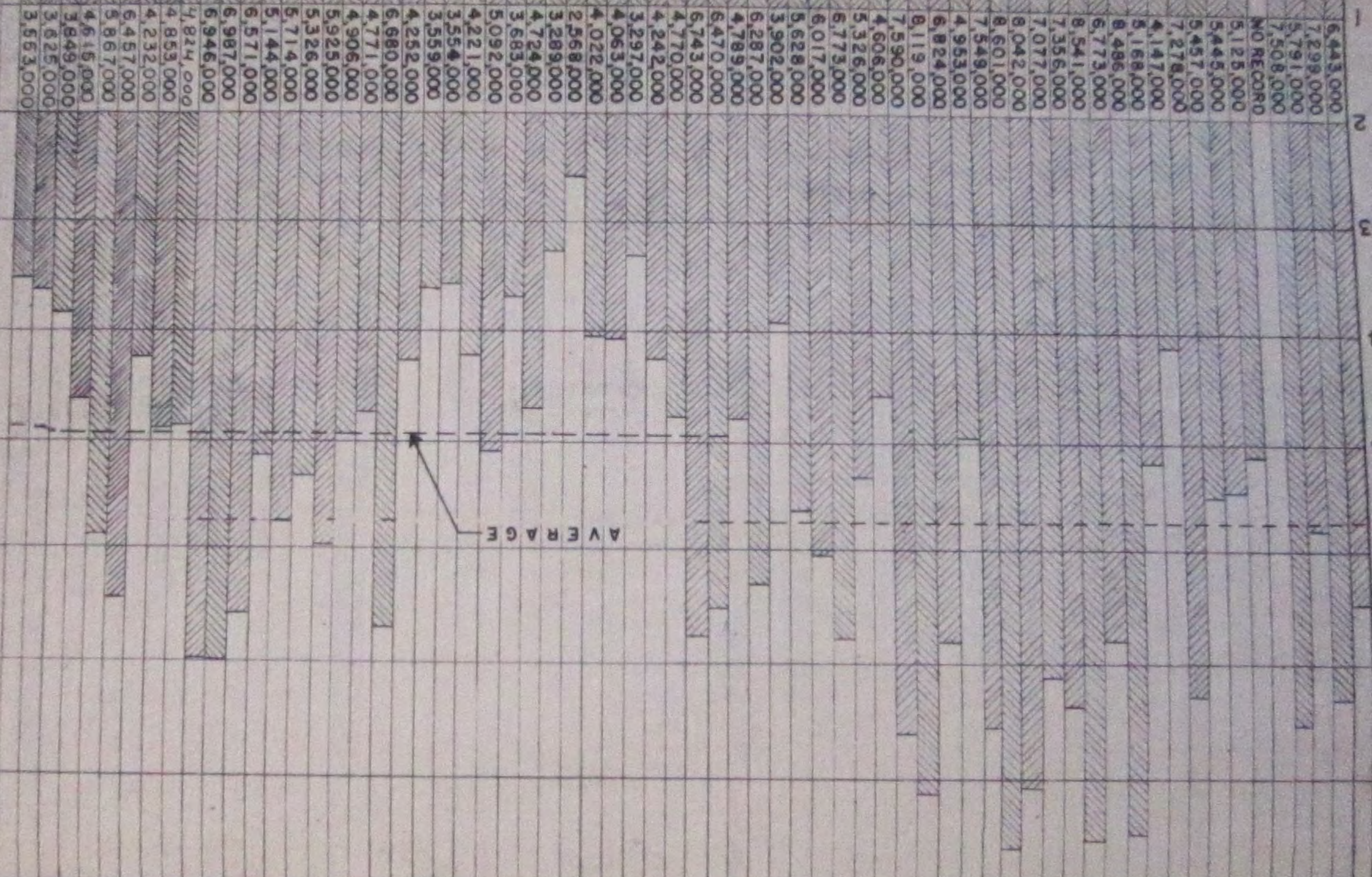
Plate No. 2A





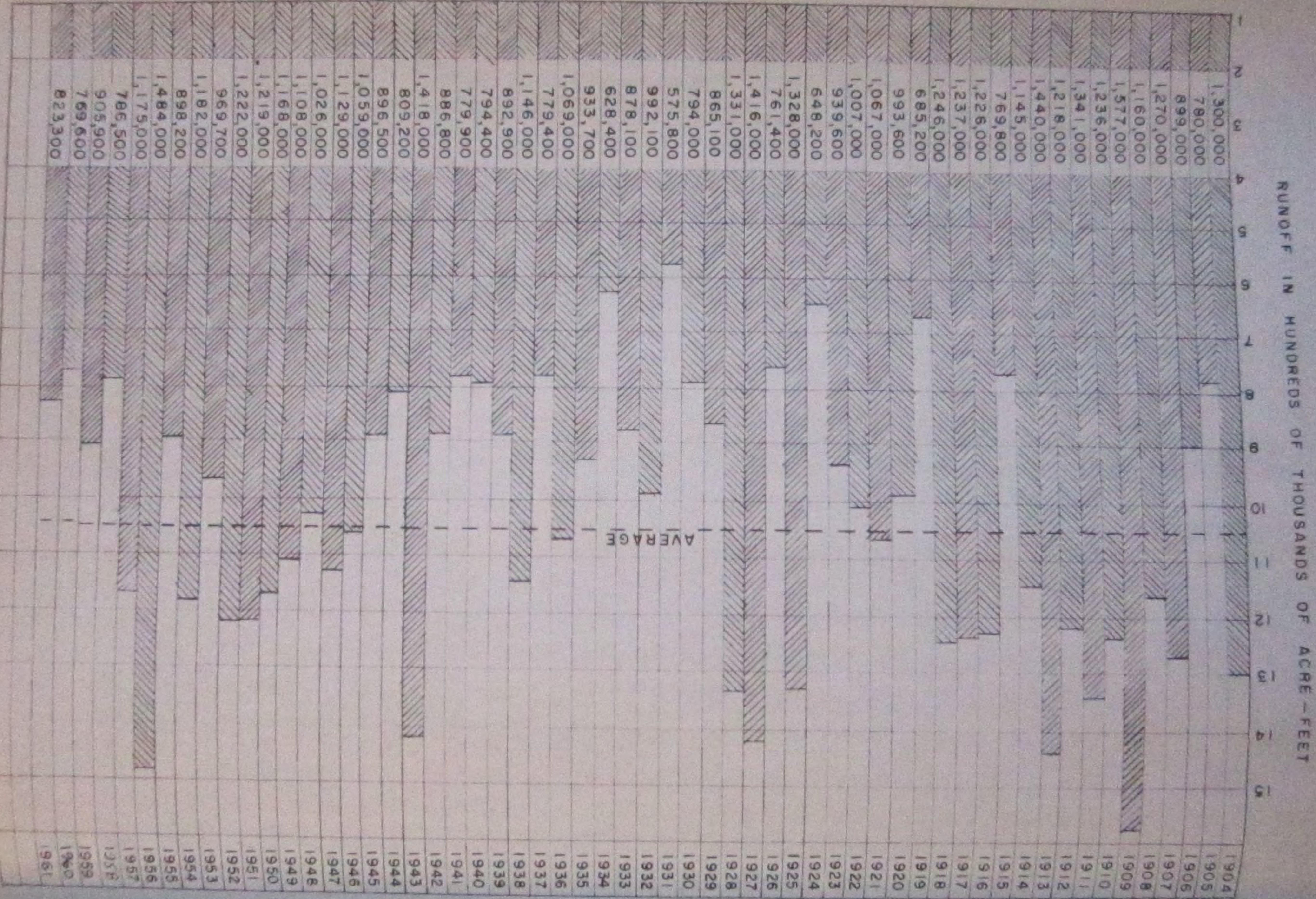
ANNUAL RUNOFF OF SNAKE RIVER AT NEELEY, IDAHO

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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.

ANNUAL RUNOFF OF SNAKE RIVER AT MORAN, WYO.



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

DAILY DISCHARGE IN SECOND FEET OF SNAKE RIVER CANALS		MAY 1961	
DATE	DISCHARGE	DATE	DISCHARGE
1	1.0	15	1.0
2	1.0	16	1.0
3	1.0	17	1.0
4	1.0	18	1.0
5	1.0	19	1.0
6	1.0	20	1.0
7	1.0	21	1.0
8	1.0	22	1.0
9	1.0	23	1.0
10	1.0	24	1.0
11	1.0	25	1.0
12	1.0	26	1.0
13	1.0	27	1.0
14	1.0	28	1.0
15	1.0	29	1.0
16	1.0	30	1.0
17	1.0	31	1.0
18	1.0		
19	1.0		
20	1.0		
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30	1.0		
31	1.0		

DAILY DISCHARGE IN SECOND - FEET OF SNAKE RIVER CANALS																														JUNE 1961																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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DAILY DISCHARGE IN SECOND FEET OF SNAKE RIVER CANALS																																
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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	
ANDERSON	0	18	22	22	22	13	1	14	14	13	20	27	28	28	30	30	30	30	30	30	29	15	20	22	0	24	25	24	20	20	19	604
EAGLE ROCK	384	410	408	443	452	454	458	454	436	429	432	428	420	420	420	405	402	413	408	389	375	380	0	24	25	24	20	20	20	19	12,316	
FARMERS FRIEND	632	641	648	657	664	665	645	636	610	635	704	647	706	619	720	741	746	746	744	744	744	744	0	24	25	24	20	20	20	19	21,085	
ENTERPRISE	378	376	378	378	374	376	376	398	392	392	414	415	415	446	451	463	466	466	466	466	466	466	0	134	134	134	134	134	134	134	1,858	
WATSON - CRAIG	3	3	2	0	0	0	0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3	3	3	3	3	2,921	
ARNESBERGER	7	8	1	1	8	8	12	12	12	12	11	16	17	17	17	17	17	17	17	17	17	15	15	15	15	15	15	15	15	15	36	
BUTLER ISLAND	50	43	43	44	44	44	43	43	42	45	50	40	39	42	42	55	25	43	47	46	47	49	49	49	49	49	49	49	49	49	370	
ROSS & RAND	6	7	6	6	3	5	5	5	5	5	12	10	12	10	12	10	12	10	12	10	12	10	12	10	12	10	12	10	12	10	140	
HARRISON	509	512	509	509	512	512	509	512	512	509	512	512	509	512	512	509	512	512	509	512	512	509	512	512	509	512	512	509	512	512	186	
HENRY	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	12,540	
MOORE	149	165	150	155	153	153	155	128	129	145	169	157	178	169	153	159	161	159	163	159	163	159	163	159	163	159	163	159	163	159	161	
JOY & NORD	58	58	51	57	58	55	58	56	57	61	68	66	67	70	70	68	66	66	66	66	66	66	66	66	66	66	66	66	66	66	4,510	
MURFESS	834	850	845	841	845	852	836	841	845	850	850	857	854	854	854	858	840	840	840	840	840	840	840	840	840	840	840	840	840	840	1,832	
MARK & EDWARDS	13	12	13	12	15	11	7	12	11	7	12	11	7	12	11	7	12	11	7	12	11	7	12	11	7	12	11	7	12	11	163	
UNNIDELL	140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	965	
TEXAS FEEDER	270	266	270	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227	5,276	
HILL PETTINGER	6	6	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	7,082	
RIGBY	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	160	
ISLAND	156	156	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	241	
WEST LABELLE BLOWN ISLAND	521	521	524	524	518	524	524	518	518	524	524	518	518	518	518	518	518	518	518	518	518	518	518	518	518	518	518	518	518	518	429	
PARKS & LEWISVILLE	345	349	361	358	347	365	372	379	361	385	396	390	401	392	0	440	392	407	392	407	392	407	392	407	392	407	392	407	392	407	392	16,088
NORTH RIGBY	42	47	60	58	46	48	54	52	47	49	47	49	47	49	47	49	47	49	47	49	47	49	47	49	47	49	47	49	47	49	10,885	
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	18	
BRANWELL	0	0	13	12	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	93	
BUTTE & MARKET LAKE	342	357	352	346	360	346	345	340	336	332	336	340	345	340	336	332	336	340	345	340	336	332	336	340	345	340	336	332	336	340	345	308
BEAR ISLAND & SMITH	127	130	132	133	134	133	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	11,159
KENNEDY	30	31	32	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	3,885	
IDAHO	120	134	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	109	
PORTER	430	437	443	443	443	443	443	443	443	443	443	443	443	443	443	443	443	443	443	443	443	443	443	443	443	443	443	443	443	443	1,098	
COY & KELLER	314	312	312	312	308	334	298	295	358	330	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	40,733
WOODVILLE	106	106	0	0	80	110	111	114	100	94	89	88	85	85	81	86	86	85	0	0	0	0	0	0	0	0	0	0	0	0	0	8,102
SHAKE RIVER VALLEY	606	656	648	652	659	679	666	643	629	638	684	702	636	737	841	854	753	684	707	716	686	705	617	668	610	458	454	467	550	539	599	2,169
TOTAL HEISE TO SHELLEY	606	656	648	652	659	679	666	643	629	638	684	702	636	737	841	854	753	684	707	716	686	705	617	668	610	458	454	467	550	539	599	2,169
RESERVATION	538	533	601	538	564	445	407	448	446	440	446	181	0	47	152	154	153	130	111	107	125	143	159	157	142	124	109	193	212	196	206	259,693
BLACKFOOT	538	533	601	538	564	445	407	448	446	440	446	181	0	47	152	154	153	130	111	107	125	143	159	157	142	124	109	193	212	196	206	259,693
NEW LAVA SIDE	150	147	151	150	149	149	148	148	141	140	154	145	150	149	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	8,405
PEOPLES	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	10,462
ABERDEEN	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	4,205
COBBETT	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	12,673
N CLSEN - HANGER	8	8	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	39,960
RIVERSIDE	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	319	
BEED	124	115	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	3,576
WELSHIGH	65	66	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	5,733
WATSON	50	50	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	98,585
PARSONS	117	107	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	1,206
TOTAL SHELLEY TO BLACKFOOT	39	41	40	41	42	33	33	33	38	38	42	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	98,585

DAILY DISCHARGE IN SECOND FEET OF SNAKE RIVER CANALS																															AUGUST 1961																															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	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	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
WOLFSON	10	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10</

SEPT 1991									
1.562	1.502	1.521	1.542	1.562	1.582	1.602	1.621	1.641	1.661
1.681	1.701	1.721	1.741	1.761	1.781	1.801	1.821	1.841	1.861
1.881	1.901	1.921	1.941	1.961	1.981	2.001	2.021	2.041	2.061
2.081	2.101	2.121	2.141	2.161	2.181	2.201	2.221	2.241	2.261
2.281	2.301	2.321	2.341	2.361	2.381	2.401	2.421	2.441	2.461
2.481	2.501	2.521	2.541	2.561	2.581	2.601	2.621	2.641	2.661
2.681	2.701	2.721	2.741	2.761	2.781	2.801	2.821	2.841	2.861
2.881	2.901	2.921	2.941	2.961	2.981	3.001	3.021	3.041	3.061
3.081	3.101	3.121	3.141	3.161	3.181	3.201	3.221	3.241	3.261
3.281	3.301	3.321	3.341	3.361	3.381	3.401	3.421	3.441	3.461
3.481	3.501	3.521	3.541	3.561	3.581	3.601	3.621	3.641	3.661
3.681	3.701	3.721	3.741	3.761	3.781	3.801	3.821	3.841	3.861
3.881	3.901	3.921	3.941	3.961	3.981	4.001	4.021	4.041	4.061
4.081	4.101	4.121	4.141	4.161	4.181	4.201	4.221	4.241	4.261
4.281	4.301	4.321	4.341	4.361	4.381	4.401	4.421	4.441	4.461
4.481	4.501	4.521	4.541	4.561	4.581	4.601	4.621	4.641	4.661
4.681	4.701	4.721	4.741	4.761	4.781	4.801	4.821	4.841	4.861
4.881	4.901	4.921	4.941	4.961	4.981	5.001	5.021	5.041	5.061
5.081	5.101	5.121	5.141	5.161	5.181	5.201	5.221	5.241	5.261
5.281	5.301	5.321	5.341	5.361	5.381	5.401	5.421	5.441	5.461
5.481	5.501	5.521	5.541	5.561	5.581	5.601	5.621	5.641	5.661
5.681	5.701	5.721	5.741	5.761	5.781	5.801	5.821	5.841	5.861
5.881	5.901	5.921	5.941	5.961	5.981	6.001	6.021	6.041	6.061
6.081	6.101	6.121	6.141	6.161	6.181	6.201	6.221	6.241	6.261
6.281	6.301	6.321	6.341	6.361	6.381	6.401	6.421	6.441	6.461
6.481	6.501	6.521	6.541	6.561	6.581	6.601	6.621	6.641	6.661
6.681	6.701	6.721	6.741	6.761	6.781	6.801	6.821	6.841	6.861
6.881	6.901	6.921	6.941	6.961	6.981	7.001	7.021	7.041	7.061
7.081	7.101	7.121	7.141	7.161	7.181	7.201	7.221	7.241	7.261
7.281	7.301	7.321	7.341	7.361	7.381	7.401	7.421	7.441	7.461
7.481	7.501	7.521	7.541	7.561	7.581	7.601	7.621	7.641	7.661
7.681	7.701	7.721	7.741	7.761	7.781	7.801	7.821	7.841	7.861
7.881	7.901	7.921	7.941	7.961	7.981	8.001	8.021	8.041	8.061
8.081	8.101	8.121	8.141	8.161	8.181	8.201	8.221	8.241	8.261
8.281	8.301	8.321	8.341	8.361	8.381	8.401	8.421	8.441	8.461
8.481	8.501	8.521	8.541	8.561	8.581	8.601	8.621	8.641	8.661
8.681	8.701	8.721	8.741	8.761	8.781	8.801	8.821	8.841	8.861
8.881	8.901	8.921	8.941	8.961	8.981	9.001	9.021	9.041	9.061
9.081	9.101	9.121	9.141	9.161	9.181	9.201	9.221	9.241	9.261
9.281	9.301	9.321	9.341	9.361	9.381	9.401	9.421	9.441	9.461
9.481	9.501	9.521	9.541	9.561	9.581	9.601	9.621	9.641	9.661
9.681	9.701	9.721	9.741	9.761	9.781	9.801	9.821	9.841	9.861
9.881	9.901	9.921	9.941	9.961	9.981	10.001	10.021	10.041	10.061
10.081	10.101	10.121	10.141	10.161	10.181	10.201	10.221	10.241	10.261
10.281	10.301	10.321	10.341	10.361	10.381	10.401	10.421	10.441	10.461
10.481	10.501	10.521	10.541	10.561	10.581	10.601	10.621	10.641	10.661
10.681	10.701	10.721	10.741	10.761	10.781	10.801	10.821	10.841	10.861
10.881	10.901	10.921	10.941	10.961	10.981	11.001	11.021	11.041	11.061
11.081	11.101	11.121	11.141	11.161	11.181	11.201	11.221	11.241	11.261
11.281	11.301	11.321	11.341	11.361	11.381	11.401	11.421	11.441	11.461
11.481	11.501	11.521	11.541	11.561	11.581	11.601	11.621	11.641	11.661
11.681	11.701	11.721	11.741	11.761	11.781	11.801	11.821	11.841	11.861
11.881	11.901	11.921	11.941	11.961	11.981	12.001	12.021	12.041	12.061
12.081	12.101	12.121	12.141	12.161	12.181	12.201	12.221	12.241	12.261
12.281	12.301	12.321	12.341	12.361	12.381	12.401	12.421	12.441	12.461
12.481	12.501	12.521	12.541	12.561	12.581	12.601	12.621	12.641	12.661
12.681	12.701	12.721	12.741	12.761	12.781	12.801	12.821	12.841	12.861
12.881	12.901	12.921	12.941	12.961	12.981	13.001	13.021	13.041	13.061
13.081	13.101	13.121	13.141	13.161	13.181	13.201	13.221	13.241	13.261
13.281	13.301	13.321	13.341	13.361	13.381	13.401	13.421	13.441	13.461
13.481	13.501	13.521	13.541	13.561	13.581	13.601	13.621	13.641	13.661
13.681	13.701	13.721	13.741	13.761	13.781	13.801	13.821	13.841	13.861
13.881	13.901	13.921	13.941	13.961	13.981	14.001	14.021	14.041	14.061
14.081	14.101	14.121	14.141	14.161	14.181	14.201	14.221	14.241	14.261
14.281	14.301	14.321	14.341	14.361	14.381	14.401	14.421	14.441	14.461
14.481	14.501	14.521	14.541	14.561	14.581	14.601	14.621	14.641	14.661
14.681	14.701	14.721	14.741	14.761	14.781	14.801	14.821	14.841	14.861
14.881	14.901	14.921	14.941	14.961	14.981	15.001	15.021	15.041	15.061
15.081	15.101	15.121	15.141	15.161	15.181	15.201	15.221	15.241	15.261
15.281	15.301	15.321	15.341	15.361	15.381	15.401	15.421	15.441	15.461
15.481	15.501	15.521	15.541	15.561	15.581	15.601	15.621	15.641	15.661
15.681	15.701	15.721	15.741	15.761	15.781	15.801	15.821	15.841	15.861
15.881	15.901	15.921	15.941	15.961	15.981	16.001	16.021	16.041	16.061
16.081	16.101	16.121	16.141	16.161	16.181	16.201	16.221	16.241	16.261
16.281	16.301	16.321	16.341	16.361	16.381	16.401	16.421	16.441	16.461
16.481	16.501	16.521	16.541	16.561	16.581	16.601	16.621	16.641	16.661
16.681	16.701	16.721	16.741	16.761	16.781	16.801	16.821	16.841	16.861
16.881	16.901	16.921	16.941	16.961	16.981	17.001	17.021	17.041	17.061
17.081	17.101	17.121	17.141	17.161	17.181	17.201	17.221	17.241	17.261
17.281	17.301	17.321	17.341	17.361	17.381	17.401	17.421	17.441	17.461
17.481	17.501	17.521	17.541	17.561	17.581	17.601	17.621	17.641	17.661
17.681	17.701	17.721	17.741	17.761	17.781	17.801	17.821	17.841	17.861
17.881	17.901	17.921	17.941	17.961	17.981	18.001	18.021	18.041	18.061
18.081	18.101	18.121	18.141	18.161	18.181	18.201	18.221	18.241	18.261
18.281	18.301	18.321	18.341	18.361	18.381	18.401	18.421	18.441	18.461
18.481	18.501	18.521	18.541	18.561	18.581	18.601	18.621	18.641	18.661
18.681	18.701	18.721	18.741	18.761	18.781	18.801	18.821	18.841	18.861
18.881	18.901	18.921	18.941	18.961	18.981	19.001	19.021	19.041	19.061
19.081	19.101	19.121	19.141	19.161	19.181	19.201	19.221	19.241	19.261
19.281	19.301	19.321	19.341	19.361	19.381	19.401	19.421	19.441	19.461
19.481	19.501	19.521	19.541	19.561	19.581	19.601	19.621	19.641	19.661
19.681	19.701	19.721	19.741	19.761	19.781	19.801	19.821	19.841	19.861
19.881	19.901	19.921	19.941	19.961	19.981	20.001	20.021	20.041	20.061
20.081	20.101	20.121	20.141	20.161	20.181	20.201	20.221	20.241	20.261
20.281	20.301	20.321	20.341	20.361	20.381	20.401	20.421	20.441	20.461
20.481	20.501	20.521	20.541	20.561	20.581	20.601	20.621	20.641	20.661
20.681	20.701	20.721	20.741	20.761	20.781	20.801	20.821	20.841	20.861
20.881	20.901	20.921	20.941	20.961	20.981	21.001	21.021	21.041	21.061
21.081	21.101	21.121	21.141	21.161	21.181	21.201	21.221	21.241	21.261
21.281	21.301	21.321	21.341	21.361	21.381	21.401	21.421	21.441	21.461
21.481	21.501	21.521	21.541	21.561	21.581	21.601	21.621	21.641	21.661
21.681	21.701	21.721	21.741	21.761	21.781	21.801	21.821	21.841	21.861
21.881	21.901	21.921	21.941	21.961	21.981	22.001	22.021	22.041	22.061
22.081	22.101	22.121	22.141	22.161	22.181	22.201	22.221	22.241	22.261
22.281	22.301	22.321	22.341	22.361	22.381	22.401	22.421	22.441	22.461
22.481	22.501	22.521	22.541	22.561	22.581	22.601	22.621	22.641	22.661
22.681	22.701	22.721	22.741	22.761	22.781	22.801	22.821	22.841	22.861
22.881	22.901	22.921	22.941	22.961	22.981	23.001	23.021	23.041	23.061
23.081	23.101	23.121	23.141	23.161	23.181	23.201	23.221	23.241	23.261
23.281	23.301	23.321							

[illegible]

INFLOW TO AMERICAN FALLS RESE

BETWEEN BLACKFOOT AND NEELEY STATIONS

24-HOUR SECOND- FEET

[illegible]

1961

AUGUST

78,141

U S T

15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	SEPTEMBER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	26	26	26	26	26	26	26	26	26	26	26	27	27	28	28	29	29	29	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31

78,932

DAILY SEGREGATION 0

DATE	JACKSON LAKE CONTENTS ACRE- FEET	SNAKE RIVER AT MORAN			STORED LOSS MORAN TO ALPINE	DATE	SNAKE RIVER NEAR ALPINE			PALISADES RESERVOIR CONTENTS 1,000'S ACRE- FEET	SNAKE RIVER NEAR IRWIN			IRWIN TO HEISE		HEISE & RILEY			STORED INFLOW HENRY'S FARM	HEISE STORED LOSS
		STORED	NORMAL	TOTAL			STORED	NORMAL	TOTAL		STORED	NORMAL	TOTAL	STORED LOSS	STORED DIVERSIONS	STORED	NORMAL	TOTAL		
APR 10																				
11																				
12																				
13																				
14																				
15																				
16						APR 17	0	1890	1890	891	0	3050	3050			0	3010	3010		
17	136,690	471	0	471	8	18	463	1617	2080	891	-1554	4654	3100	-12		-1542	5212	3670	0	
18	137,250	471	0	471	8	19	463	2077	2540	895	-1645	3616	3070	-4		-541	4381	3840	-530	
19	139,140	471	0	471	8	20	463	1877	2340	897	-36	3106	3070	0		-36	3676	3640	-768	
20	140,270	476	0	476	8	21	468	1692	2160	898	-540	3610	3070	-4		-536	4176	3840	-413	
21	140,840	476	0	476	8	22	468	1652	2120	900	-36	3106	3070	0		-36	3706	3670	-43	
22	141,970	466	0	466	8	23	458	1622	2080	901	-550	3620	3070	-4		-546	4236	3690	-466	
23	142,920	466	0	466	8	24	458	1562	2020	903	+458	2662	3120	+4		+454	3236	3690	-618	
24	143,290	466	0	466	8	25	458	1472	1930	903	+458	3112	3570	+4		+454	3456	3910	-501	
25	143,860	466	0	466	8	26	458	1462	1920	903	+1464	2166	3630	+12		+1452	2728	4180	-382	
26	145,200	466	0	466	8	27	458	1472	1930	901	+1062	2568	3630	+9		+1053	3127	4180	-382	
27	145,780	466	0	466	8	28	458	1472	1930	900	+458	3172	3630	+4		+454	3726	4180	-353	
28	146,350	471	0	471	8	29	463	1577	2040	900	-1049	4639	3590	-8		-1041	5351	4310	-304	
29	147,120	-680	1151	471	-12	30	-668	2918	2250	903	-1172	4392	3220	-9		-1163	4973	3810	-314	
30	148,460	-870	1341	471	-15	MAY 1	-855	3345	2490	904	-1359	5349	3990	-11		-1348	6136	4780	-300	
MAY 1	150,190	-1500	1971	471	-26	2	-1474	4214	2740	905	-2482	7412	4930	-20		-2462	8002	5540	-305	
2	153,060	-1290	1761	471	-22	3	-1268	4168	2900	907	-1268	6198	4930	-10		-1258	7118	5860	-541	
3	155,750	-1650	2126	476	-28	4	-1622	4692	3070	907	-1622	6992	5370	-13		-1609	7769	6160	-413	
4	159,010	-1830	2306	476	-31	5	-1799	4819	3020	907	-445	6385	5940	-4		-441	7051	6610	-497	
5	162,650	-1480	1956	476	-25	6	-1455	4335	2880	905	-562	6802	6240	-4		-558	7628	7070	-466	
6	165,570	-950	1426	476	-16	7	-934	3644	2710	901	+578	5662	6240	+5		+573	6557	7130	-70	
7	167,910	-950	1426	476	-16	8	-934	3504	2570	898	+1587	4683	6270	+13		+1574	5496	7070	-70	
8	169,470	-950	1426	476	-16	9	-934	3574	2640	893	+3100	5290	8390	+25		+3075	5265	8340	-70	
9	171,220	-1280	1760	480	-22	10	-1258	4308	3050	885	+3784	6216	10000	+30		+3754	6853	10607	-70	
10	173,750	-1870	2350	480	-32	11	-1838	5558	3720	875	+2700	8400	11100	+22		+2678	9349	12027	-70	
11	177,480	-1970	2455	485	-33	12	-1937	5987	4050	866	+2097	8903	11000	+17		+2080	9842	11922	-70	
12	181,360	-1990	2475	485	-34	13	-1956	6006	4050	858	+3084	7616	10700	+25		+3059	8363	11422	-70	
13	185,300	-2300	2785	485	-39	14	-2261	6221	3960	848	+1773	9427	11200	+14		+1759	10166	11925	-70	
14	190,840	-1450	1935	485	-25	15	-1425	5685	4260	840	+2609	8591	11200	+21		+2588	9338	11926	-70	
15	192,630	-2500	2985	485	-42	16	-2458	6928	4470	832	+3080	8120	11200	+25		+3055	8871	11926	-70	
16	197,580	-2290	2780	490	-39	17	-2251	6571	4320	823	+1278	9822	11100	+10		+1268	10646	11914	-70	
17	202,130	-2540	3030	490	-43	18	-2497	6667	4170	816	+1537	9163	10700	+12		+1525	9988	11613	-70	
18	207,160	-2130	2625	495	-36	19	-2094	6204	4110	808	+1435	9065	10500	+11		+1424	9890	11314	-70	
19	211,380	-2310	2805	495	-39	20	-2271	6571	4300	801	+444	9856	10300	+4		+440	10874	11314	-70	
20	215,800	-3240	3725	485	-55	21	-3185	8165	4980	794	-1673	11533	9860	-13		-1660	12578	10918	-70	
21	222,230	-3740	4225	485	-64	22	-3676	9176	5500	791	-3172	12652	9480	-25		-3196	13617	10421	-70	
22	229,980	-2247	2737	490	-38	23	-2209	8909	6700	790	-3217	12487	9270	-26	5	-3494	13915	10421	-70	
23	239,570	-3064	3559	495	-52	24	-3012	10662	7650	792	-3517	13037	9520	-28	5	-3633	14556	10923	-70	
24	250,890	-1668	2168	500	-28	25	-1640	10150	8510	793	-3657	13627	9970	-29	5	-4007	14928	10922	-70	
25	263,300	0	495	495	0	26	0	9740	9740	797	-4034	14134	10100	-32	5	-3514	14639	11125	-70	
26	276,490	-522	998	476	-9	27	-513	11413	10900	805	-3537	13937	10400	-28	5	-3534	14959	11425	-70	
27	292,720	-28	494	466	0	28	-28	11028	11000	811	-3557	14357	10800	-28	5				-70	

OF DATA AT AND BETWEEN SNAKE RIVER GAG

24 HOUR SECOND- FEET EXCEPT AS NOTED

ED LOW FORK	HEISE TO SHELLEY		DATE	SNAKE RIVER NEAR SHELLEY			SHELLEY TO BLACKFOOT		THEORETICAL BALANCE OF STORAGE AT BLACKFOOT	DATE	BLACKFOOT RIVER	SNAKE RIVER NEAR BLACKFOOT			BLACKFOOT TO NEELEY		DATE	AMERICAN FALLS RESERVOIR CONTENTS 1000'S ACRE- FEET	SNAKE AT NE	
	STORED LOSS	STORED DIVERSIONS		STORED	NORMAL	TOTAL	STORED LOSS	STORED DIVERSIONS				STORED	NORMAL	TOTAL	CALCULATED IN FLOW	STORED DIVERSIONS			STORED	NOR
			APR. 18	0	2760	2760											5			
0	- 75		19	- 1467	4967	3500	- 88		- 1379	20		- 1379	4409	3030	2700		21	1,575	819	7
630	- 26		20	- 1145	5205	4060	- 69		- 1076	21		- 1076	4496	3420	2700		21	1,572	556	7
748	- 2		21	- 782	4822	4040	- 47		- 735	22		- 735	3945	3210	2700		21	1,567	195	8
413	- 26		22	- 923	4843	3720	- 55		- 868	23		- 868	3868	3000	2690		21	1,566	282	8
413	- 2		23	- 447	4167	3720	- 27		- 420	24		- 420	3560	3140	2680		7	1,565	680	6
456	- 27		24	- 975	4745	3770	- 58		- 917	25		- 917	3937	3020	2670		0	1,560	393	4
418	+ 22		25	+ 14	3686	3700	+ 1		+ 13	26		+ 13	3007	3020	2660		0	1,558	1673	1
501	+ 22		26	- 69	3979	3910	- 4		- 65	27		- 65	3095	3030	2650		14	1,556	1895	
382	+ 71		27	+ 999	2961	3960	+ 60		+ 939	28		+ 939	1901	2840	2640		21	1,551	3639	
382	+ 51		28	+ 620	3290	3910	+ 37		+ 583	29		+ 583	2057	2640	2630		21	1,544	4683	
353	+ 22		29	+ 79	3811	3890	+ 5		+ 74	30		+ 74	2316	2390	2620		21	1,536	5164	
304	- 51		30	- 1294	5204	3910	- 78		- 1216	MAY 1		- 1216	3376	2160	2658		21	1,524	4966	
314	- 57		MAY 1	- 1420	5240	3820	- 85		- 1335	2		- 335	2095	1760	2664		21	1,513	7141	
300	- 66		2	- 1582	5402	3820	- 95		- 1487	3		- 487	2087	1600	2639		21	1,497	7374	
305	- 120		3	- 2647	6587	3940	- 159		- 2488	4		- 1488	3108	1620	2635		21	1,481	6357	
841	- 61		4	- 1738	5798	4060	- 104		- 1634	5		- 634	2114	1480	2646		21	1,466	7338	
413	- 79		5	- 1943	6153	4210	- 116		- 1827	6		- 827	2717	1890	2625		31	1,456	6258	
497	- 22		6	- 916	5626	4710	- 55		- 861	7		- 861	3001	2140	2631		36	1,438	5588	
400	- 27		7	- 931	5531	4600	- 56		- 875	8		- 875	2395	1520	2595		36	1,429	6110	
70	+ 28		8	+ 475	3565	4040	+ 28		+ 447	9		+ 447	209	656	2576		36	1,409	8415	
70	+ 77		9	+ 1427	1663	3090	+ 86		+ 1341	10		0	188	188	2543		37	1,394	8469	
70	+ 150		10	+ 2855	55	2910	+ 171		+ 2684	11		0	158	158	2552		38	1,380	8190	
70	+ 183		11	+ 3501	789	4290	+ 210	0	+ 3291	12		900	180	1080	2510		38	1,365	7310	
70	+ 181	1	12	+ 2476	2934	5410	+ 148	15	+ 2313	13		1730	180	1910	2520		38	1,351	7160	
70	+ 102	112	13	+ 1796	3514	5310	+ 108	0	+ 1688	14		1190	180	1370	2511		38	1,339	7069	
70	+ 149	22	14	+ 2818	1732	4550	+ 169	5	+ 2644	15		1230	180	1410	2534		38	1,328	6708	
70	+ 86	41	15	+ 1562	3348	4910	+ 94	13	+ 1455	16		1455	195	1650	2562		38	1,319	5563	
70	+ 126	40	16	+ 2352	2798	5150	+ 141	0	+ 2211	17		1910	180	2090	2568		38	1,311	5522	
70	+ 149	60	17	+ 2776	2604	5380	+ 168		+ 2610	18		2210	180	2390	2542		25	1,304	6048	
70	+ 62	14	18	+ 1122	4608	5730	+ 67		+ 1055	19		2660	180	2840	2549		20	1,297	6931	
70	+ 74	0	19	+ 1381	4349	5730	+ 83		+ 1298	20		2720	180	2900	2585		20	1,288	7135	
70	+ 69		20	+ 1285	4575	5860	+ 77		+ 1208	21		2270	960	3230	2598		20	1,279	6642	
70	+ 21		21	+ 349	5571	5920	+ 21		+ 328	22		+ 851	2679	3530	2636		20	1,271	5185	
70	- 81	0	22	- 1649	7569	5920	- 99		- 1550	23		- 1550	3460	2910	2606		20	1,261	4534	
70	- 154	28	23	- 3091	6601	5510	- 185		- 2906	24		- 2906	5296	2390	2592		30	1,252	3012	
70	- 156	51	24	- 3161	8251	5090	- 190	0	- 2971	25		- 2971	4881	1910	2571		39	1,240	3548	
70	- 171	70	25	- 3463	8403	4940	- 207	0	- 3256	26		- 3256	4886	1630	2556		42	1,225	3668	
70	- 177	227	26	- 3753	8603	4850	- 223	23	- 3553	27		- 3553	4883	1330	2559		58	1,212	3758	
70	- 196	238	27	- 4119	8719	4600	- 233	55	- 3941	28		- 3941	5101	1180	2557		64	1,198	3842	
70	- 191	238	28	- 3691	8481	4790	- 221	81	- 3581	29		- 3551	4891	1340	2554		64	1,181	3865	
70	- 172	379	29	- 3851	8911	5060	- 224	120	- 3747	30		- 3747	5087	1340	2529		68	1,167	3584	

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RIVER LEY		LAKE WALCOTT CONTENTS	MINIDOKA CANALS					SNAKE RIVER NEAR MINIDOKA			DATE	MILNER LAKE GAGE FEET	MINIDOKA NORTH SIDE PUMP STORED	MINOR DIVERSIONS MINIDOKA TO MILNER STORED	GOODING PROJECT			NORTH SIDE CANAL COMPANY				
AL	TOTAL	ACRE- FEET	NORTH	SOUTH	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL					STORED	NORMAL	TOTAL	P A	GOODING	MAIN	TOTAL	STORED
		88,550	0	0				0	5 510	5510	APR 15		20									
											16	20										
											17	31										
											18	44										
											19	44										
											20	46										
9	6290	88,550	20	50	70	0	70	1 180	4 850	6 030	21	10.00	45									
6	6640	85,640	135	134	269	0	269	1200	4 960	6 160	22	10.15	45	440	0	440						
5	6840	88,430	258	295	553	0	553	1048	5 052	6 100	23	10.20	45	550	0	550	0	480	1 850	2 330		
8	6840	88,900	491	379	870	0	870	1038	5 044	6 080	24	10.52	60	660	0	660	0	480	1 930	2 410		
0	6920	88,430	588	351	939	0	939	988	5 092	6 080	25	10.70	67	740	0	740	0	500	1 940	2 440		
7	7000	87,270	690	353	1 043	0	1 043	680	5 420	6 100	26	10.68	73	770	0	770	0	520	1 930	2 450		
7	7340	87,960	858	409	1267	0	1267	1760	4 400	6160	27	10.69	80	850	0	850	0	540	1 860	2 400		
5	7640	87,730	1120	513	1633	0	1633	2448	4 112	6560	28	10.59	80	870	0	870	0	560	1 840	2 400		
1	8180	86,450	1360	596	1956	815	1141	3320	3 400	6720	29	10.45	93	970	0	970	0	570	1 820	2 390		
7	9370	84,940	1490	728	2218	930	1288	3970	3 400	7370	30	10.06	93	1000	0	1000	17	570	1 900	2 487		
6	10100	85,170	1580	886	2466	930	1536	4470	3 400	7870	MAY 1	10.32	117	1060	0	1060	16	580	1 900	2 496		
4	11000	83,310	1560	1060	2620	894	1726	3982	4 308	8290	2	10.21	116	1130	0	1130	32	630	2 220	2 882		
9	11900	84,940	1700	1120	2820	1461	1359	5060	3 400	8460	3	10.56	115	1140	0	1140	32	630	2 350	3 012		
6	12100	84,470	1730	1150	2880	1554	1326	5360	3400	8760	4	10.38	124	1390	0	1390	48	700	2 430	3 178		
3	12100	86,100	1730	1190	2920	1194	1726	4683	4017	8700	5	10.81	122	1500	0	1500	48	720	2 350	3 118		
2	12100	87,500	1580	1210	2790	1428	1362	4440	3400	7840	6	11.00	127	1500	0	1500	54	760	2 360	3 174		
2	11600	90,990	1450	1240	2690	964	1726	4254	3616	7870	7	10.74	126	1490	0	1490	54	780	2 360	3 194		
2	11200	92,390	1410	1210	2620	894	1726	4244	3906	8150	8	10.85	127	1470	0	1470	59	780	2 350	3 169		
0	11100	93,550	1410	1200	2610	1020	1590	4670	3400	8070	9	10.82	126	1450	0	1450	59	770	2 340	3 168		
5	11200	93,670	1480	1230	2690	2690	0	5535	2785	8320	10	10.58	130	1440	0	1440	59	770	2 290	3 118		
1	11200	93,790	1480	1260	2740	2740	0	5759	2731	8490	11	10.82	130	1390	0	1390	59	750	2 250	3 059		
0	10900	94,140	1480	1240	2720	2720	0	5470	2710	8180	12	10.96	138	1380	0	1380	59	750	2 210	3 019		
0	10000	94,720	1420	1170	2590	2590	0	5100	2690	7790	13	10.84	144	1390	0	1350	59	740	2 240	3 039		
0	9860	93,440	1400	1140	2540	2540	0	5120	2700	7820	14	10.91	143	1330	0	1330	59	760	2 220	3 009		
1	9760	94,250	1420	1160	2580	2580	0	4649	2691	7340	15	11.10	152	1330	0	1330	59	760	2 260	3 079		
4	9420	95,180	1320	1130	2450	2450	0	4446	2714	7160	16	11.00	154	1100	0	1100	58	630	2 340	3 028		
7	8320	97,590	1360	1110	2470	2470	0	3323	2757	6080	17	10.94	163	570	0	570	58	470	2480	3008		
6	8270	94,020	1500	1100	2600	2600	0	5042	2748	7790	18	10.42	166	1330	0	1330	58	670	2140	2868		
2	8770	91,340	1480	1130	2610	2610	0	4838	2722	7560	19	10.71	165	1340	0	1340	61	700	2140	2901		
9	9660	89,710	1510	1180	2690	2690	0	4831	2729	7560	20	10.75	170	1330	0	1330	61	690	2140	2891		
5	9900	88,900	1570	1200	2770	2770	0	4775	2765	7540	21	10.60	169	1330	0	1330	61	680	2140	2881		
8	10200	88,660	1600	1240	2840	2882	158	4080	3400	7480	22	10.81	173	1330	0	1330	60	680	2180	2920		
6	10500	88,900	1670	1270	2940	1214	1726	3971	3589	7560	23	10.92	177	1320	0	1320	60	670	2220	2950		
6	10600	88,860	1750	1280	3010	1284	1726	3310	4340	7650	24	10.85	185	1330	0	1330	58	670	2210	2938		
8	10900	88,900	1770	1300	3070	1092	1978	1680	5910	7590	25	10.90	185	1350	0	1350	58	680	2210	2946		
2	11000	89,010	1760	1310	3070	1344	1726	1784	5726	7510	26	10.83	185	1370	0	1370	59	660	2200	2919		
2	11100	89,130	1720	1320	3040	1314	1726	1734	5716	7450	27	10.68	189	1380	0	1380	61	690	2190	2941		
2	11200	90,640	1710	1330	3040	1314	1728	1794	5716	7510	28	10.64	194	1390	0	1390	62	690	2210	2962		
8	11300	91,230	1680	1330	3010	1284	1726	1828	5932	7760	29	10.63	195	1400	0	1400	62	700	2220	2982		
5	11300	91,920	1520	1320	2840	1114	1726	2151	5719	7870	30	10.64	190	1260	0	1260	62	730	2210	3002		
5	11200	93,440	1320	1260	2580	854	1726	1900	5890	7790	31	10.84	175	1180	0	1180	62	750	2180	3012		
											JUNE 1	11.12	158									

DATE	MILNER LAKE GAGE FEET	MINIDOKA NORTH SIDE PUMP STORED	MINOR DIVERSIONS MINIDOKA TO MILNER STORED	GOODING PROJECT			NORTH SIDE CANAL COMPANY					TWIN FALLS CANAL COMPANY			MILNER LOW LIFT			SNAKE RIVER AT MILNER			
				STORED	NORMAL	TOTAL	P. A.	GOODING	MAIN	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL
APR 15		20																			
16		20																			
17		31																			
18		44																			
19		44																			
20		45																			
21	10.00	45		440	0	440															
22	10.15	45		650	0	650	0	480	1850	2330	0	2330		2520	2520	0		0	256	256	
23	10.20	45		660	0	660	0	480	1930	2410	0	2410		2550	2550	0		256	0	256	
24	10.52	60		740	0	740	0	800	1940	2440	0	2440				0		261	0	261	
25	10.70	67		770	0	770	0	520	1930	2450	0	2450		2570	2570	0	42	42	256	0	256
26	10.68	73		850	0	850	0	540	1860	2400	0	2400		2560	2560	0	34	34	248	0	248
27	10.69	80		870	0	870	0	560	1840	2400	0	2400		2640	2640	0	52	52	248	0	248
28	10.59	80		970	0	970	0	570	1820	2390	990	1400	290	2940	2940	0	80	80	248	0	248
29	10.45	93		1000	0	1000	17	570	1900	2487	1375	1112	420	3000	3290	96	0	96	246	0	246
30	10.08	93		1060	0	1060	16	580	1900	2496	2096	400	410	3000	3410	131	0	131	290	0	290
MAY 1	10.32	117		1130	0	1130	32	630	2220	2882	2482	400	510	3000	3510	138	0	138	238	0	238
2	10.21	116		1140	0	1140	32	630	2350	3012	2612	400	470	3000	3470	155	0	155	238	0	238
3	10.56	115		1390	0	1390	48	700	2430	3178	1870	1308	470	3000	3470	183	0	183	246	0	246
4	10.38	124		1500	0	1500	48	720	2350	3118	2718	400	330	3000	3330	193	0	193	246	0	246
5	10.81	122		1500	0	1500	54	760	2360	3174	2774	400	360	3000	3360	193	0	193	256	0	256
6	11.00	127		1490	0	1490	54	780	2360	3194	2177	1017	290	3000	3290	193	0	193	264	0	264
7	10.74	126		1470	0	1470	59	760	2350	3169	2769	400	200	3000	3200	193	0	193	251	0	251
8	10.85	127		1460	0	1460	59	770	2340	3169	2553	616	270	3000	3270	193	0	193	251	0	251
9	10.82	126		1440	0	1440	59	770	2290	3119	2213	906	330	3000	3330	205	0	205	253	0	253
10	10.58	130		1390	0	1390	59	750	2250	3059	2659	400	390	3000	3390	210	0	210	236	0	236
11	10.82	130		1380	0	1380	59	750	2210	3019	2691	328	953	2457	3410	210	0	210	230	0	230
12	10.96	138		1390	0	1390	59	760	2200	3019	2698	321	1010	2410	3420	202	0	202	243	0	243
13	10.84	144		1350	0	1350	59	740	2240	3039	2721	318	609	2391	3000	195	0	195	248	0	248
14	10.91	143		1330	0	1330	59	760	2270	3089	2773	316	416	2374	2790	195	0	195	253	0	253
15	11.10	152		1330	0	1330	59	760	2260	3079	2761	318	478	2382	2860	195	0	195	256	0	256
16	11.00	154		1100	0	1100	58	630	2340	3028	2712	316	605	2375	2980	195	0	195	248	0	248
17	10.94	163		570	0	570	58	470	2480	3008	2689	319	645	2395	3040	195	0	195	248	0	248
18	10.42	166		1330	0	1330	58	670	2140	2868	2544	324	597	2433	3030	205	0	205	154	0	154
19	10.71	165		1340	0	1340	61	700	2140	2901	2578	323	635	2425	3060	210	0	210	3	0	3
20	10.75	170		1330	0	1330	61	690	2140	2891	2571	320	628	2402	3030	212	0	212	3	0	3
21	10.60	169		1330	0	1330	61	680	2140	2881	2580	321	602	2408	3010	212	0	212	4	0	4
22	10.81	173		1330	0	1330	60	680	2180	2920	2586	325	590	2440	3030	213	0	213	4	0	4
23	10.92	177		1320	0	1320	60	670	2220	2950	2550	400	50	3000	3050	213	0	213	4	0	4
24	10.85	185		1330	0	1330	58	670	2210	2938	2349	589	50	3000	3050	214	0	214	4	0	4
25	10.90	185		1350	0	1350	58	680	2210	2946	1606	1340	60	3000	3060	214	0	214	5	0	5
26	10.83	185		1350	0	1350	60	650	2200	2910	0	2910	60	3000	3060	215	0	215	5	0	5
27	10.68	189		1370	0	1370	59	660	2200	2919	193	2726	70	3000	3070	215	0	215	3	0	3
28	10.64	194		1380	0	1380	61	690	2190	2941	225	2716	50	3000	3050	216	0	216	3	0	3
29	10.63	195		1390	0	1390	62	690	2210	2962	246	2716	50	3000	3050	217	0	217	4	0	4
30	10.69	190		1400	0	1400	62	700	2220	2982	50	2932	80	3000	3080	217	0	217	4	0	4
JUNE 1	10.89	175		1260	0	1260	62	730	2210	3002	283	2719	50	3000	3050	217	0	217	8	0	8
2	11.12	158		1180	0	1180	62	750	2180	3012	122	2890	20	3000	3020	217	0	217			

DAILY SEGREGATION

DATE	JACKSON LAKE CONTENTS ACRE- FEET	SNAKE RIVER AT MORAN			STORED LOSS MORAN TO ALPINE	DATE	SNAKE RIVER NEAR ALPINE			PALISADES RESERVOIR CONTENTS 1000'S ACRE- FEET	SNAKE RIVER NEAR IRWIN			IRWIN TO HEISE		HEISE & RILEY			STORED IN FLOW HENRY'S FAY
		STORED	NORMAL	TOTAL			STORED	NORMAL	TOTAL		STORED	NORMAL	TOTAL	STORED LOSS	STORED DIVERSIONS	STORED	NORMAL	TOTAL	
MAY 28	308,240	- 370	841	471	- 6	MAY 29	- 364	11364	11000	818	- 3388	14188	10800	- 27	5	- 3386	14891	11525	-
29	323,470	0	480	480	0	30	0	11400	11400	824	- 3800	14800	11000	- 30	5	- 3775	15300	11525	-
30	337,750	- 1488	1973	485	- 25	31	- 1463	12263	10800	832	- 2975	13975	11000	- 24	5	- 2956	14581	11625	-
31	352,110	- 967	1482	495	- 16	JUNE 1	- 951	10891	9940	835	- 2968	14168	11200	- 24	5	- 2949	14674	11725	-
JUNE 1	364,610	- 310	781	471	- 5	2	- 305	10605	10300	839	- 2321	13821	11500	- 19	5	- 2307	14233	11928	-
2	378,280	- 1563	2021	458	- 27	3	- 1536	11396	9860	843	- 2347	13947	11600	- 19	10	- 2318	14443	12125	-
3	390,910	- 2231	2693	462	- 38	4	- 2193	11263	9070	844	- 2407	13907	11500	- 19	10	- 2378	14403	12025	-
4	402,960	- 2955	3421	466	- 51	5	- 2904	11944	9040	844	- 3061	14561	11500	- 24	10	- 3027	15052	12025	-
5	414,140	- 3008	3474	466	- 51	6	- 2957	12087	9130	844	- 3135	14535	11400	- 25	10	- 3100	15025	11925	-
6	426,540	- 3115	3581	466	- 53	7	- 3062	12612	9550	844	- 3233	14633	11400	- 26	10	- 3197	15121	11924	-
7	437,590	- 2540	3011	471	- 43	8	- 2497	12597	10100	846	- 3263	14763	11500	- 26	10	- 3227	15251	12024	-
8	450,320	- 1267	1752	485	- 22	9	- 1245	11745	10500	848	- 3273	14873	11600	- 26	10	- 3237	15381	12124	-
9	462,850	- 1939	2424	485	- 33	10	- 1906	12506	10800	851	- 2891	14591	11700	- 23	10	- 2858	15084	12226	-
10	474,040	- 1742	2232	490	- 30	11	- 1712	11912	10200	854	- 3221	14821	11700	- 25	10	- 3186	15412	12226	-
11	484,620	- 2864	3359	495	- 49	12	- 2815	12445	9630	856	- 3191	14791	11800	- 25	10	- 3156	15383	12227	-
12	494,550	- 4420	4915	495	- 75	13	- 4345	13165	8820	856	- 3390	14890	11500	- 27	10	- 3353	15379	12026	-
13	503,320	- 3970	4470	500	- 68	14	- 3902	12212	8310	853	- 2412	14212	11800	- 19	10	- 2383	14609	12226	-
14	511,200	- 3280	4078	798	- 56	15	- 3224	11284	8060	850	- 1204	13304	12100	- 10	10	- 1204	13731	12527	-
15	517,700	- 2000	3500	1500	- 34	16	- 1966	10556	8590	845	+ 54	12246	12300	0	10	+ 44	12782	12826	-
16	521,660	- 1400	3950	2550	- 24	17	- 1376	10786	9410	842	366	12034	12400	3	10	+ 353	12673	13026	-
17	524,440	- 120	3530	3410	- 2	18	- 118	10118	10000	840	387	11913	12300	3	10	+ 374	12552	12926	-
18	524,680	0	3940	3940	0	19	0	10100	10100	839	0	12300	12300	0	10	- 10	12936	12926	-
19	524,680	+ 938	3422	4360	+ 16	20	922	9578	10500	839	417	11883	12300	3	10	+ 404	12421	12826	-
20	522,820	1990	3170	5160	34	21	1956	8844	10800	840	1956	10144	12100	18	10	1930	10695	12625	-
21	519,870	2340	3100	5440	40	22	2300	8300	10600	840	2300	9800	12100	18	10	2272	10553	12825	-
22	514,220	2460	3000	5460	42	23	2418	7782	10200	840	2418	9462	11900	19	15	2384	10341	12725	-
23	508,340	2800	2610	5410	48	24	2752	7168	9920	840	2752	8948	11700	22	15	2715	9710	12425	-
24	503,780	2910	2470	5380	49	25	2861	6709	9570	840	3366	8234	11600	27	15	3324	8901	12225	-
25	498,010	3140	2190	5330	53	26	3087	6153	9240	839	4079	7421	11500	33	15	4031	8090	12121	-
26	491,780	3490	1840	5330	59	27	3431	5639	9070	837	3936	7664	11600	31	15	3890	8130	12020	-
27	484,850	3940	1600	5540	67	28	3873	5167	9040	836	4883	6917	11800	39	15	4829	7391	12220	-
28	477,050	4040	1730	5770	69	29	3971	4989	8960	834	4981	7019	12000	40	15	4926	7191	12117	-
29	469,030	4280	1480	5760	73	30	4207	4523	8730	832	6227	6073	12300	50	15	6162	6255	12417	-
30	460,550	4360	1330	5690	74	JULY 1	4286	4224	8510	828	6306	5994	12300	51	15	6240	6360	12600	-
JULY 1	451,910	4360	1290	5650	74	2	4286	4054	8340	823	6306	5794	12100	51	15	6240	6178	12418	-
2	443,270	4220	1430	5650	72	3	4148	4052	8200	819	6593	5807	12400	53	20	6520	5902	12422	-
3	434,680	4190	1480	5670	71	4	4119	4171	8290	816	6639	6061	12700	53	30	6556	6366	12922	-
4	426,090	3900	1800	5700	66	5	3834	4736	8570	811	6354	6246	12600	51	40	6263	6659	12922	-
5	418,870	4070	1580	5650	69	6	4001	4539	8540	806	6521	5979	12500	52	40	6429	6384	12813	-
6	410,790	4630	1010	5640	80	7	4550	3820	8370	801	7280	5120	12400	58	40	7182	5725	12907	-
7	401,820	4280	1370	5650	73	8	4207	4023	8230	795	7027	5073	12100	56	40	6931	5883	12814	-
8	393,120	4580	1020	5600	78	9	4502	3528	8030	790	7022	4678	11700	56	40	6926	5488	12414	-
9	384,040	4310	1250	5560	73	10	4237	3653	7880	785	7267	4333	11600	58	40	7168	5144	12313	-
10	376,400	4560	1040	5600	78	11	4482	3468	7950	779	7302	4098	11400	58	40	7204	5016	12220	-
11	368,360	4700	900	5600	80	12	4620	3220	7840	774	7440	4060	11500	59	40	7341	4986	12327	-
12	359,900	4700	860	5560	80	13	4820	3060	7680	769	7650	3950	11600	61	40	7649	4879	12428	-
13	347,710	4810	700	5510	82	14	4728	2862	7690	763	8158	3542	11700	65	40	8053	4378	12428	-

OF DATA AT AND BETWEEN SNAKE RIVER GAGGLES

24 HOUR SECOND- FEET EXCEPT AS NOTED

GAGGLE	NEELEY TO SHELLEY		DATE	SNAKE RIVER NEAR SHELLEY			SHELLEY TO BLACKFOOT		THEORETICAL BALANCE OF STORAGE AT BLACKFOOT	DATE	BLACKFOOT RIVER	SNAKE RIVER NEAR BLACKFOOT			BLACKFOOT TO NEELEY		DATE	AMERICAN FALLS RESERVOIR CONTENTS 1000S ACRE- FEET	SNAKE RIVER AT NEELEY	
	STORED LOSS	STORED DIVERSIONS		STORED	NORMAL	TOTAL	STORED LOSS	STORED DIVERSIONS				STORED	NORMAL	TOTAL	CALCULATED INFLOW	STORED DIVERSIONS			STORED	NORMAL
10	- 169	451	MAY 30	- 3763	8703	4940	- 215	124	- 3672	MAY 31		- 3672	4902	1230	2517	73	JUNE 1	1,154	2861	74
10	- 184	488	31	- 4189	9009	4820	- 244	132	- 4077	JUNE 1		- 4077	5167	1090	2518	74	2	1,140	1035	7985
10	- 144	665	JUNE 1	- 3587	8407	4820	- 223	141	- 3505	2		- 3505	4735	1230	2506	74	3	1,128	799	7241
10	- 144	834	2	- 3749	8509	4760	- 223	116	- 3642	3		- 3642	4902	1260	2509	73	4	1,117	589	7411
7	- 113	912	3	- 3113	8143	5030	- 195	113	- 3031	4		- 3031	4731	1700	2525	73	5	1,108	1064	7256
8	- 113	765	4	- 2978	8578	5600	- 178	101	- 2699	5	23	- 2699	4859	2160	2517	73	6	1,101	1434	7376
18	- 116	684	5	- 2964	8794	5830	- 177	65	- 2722	6	12	- 2722	4862	2140	2514	73	7	1,090	1804	7376
16	- 147	570	6	- 3466	8876	5410	- 208	43	- 3215	7	8	- 3215	4885	1670	2491	74	8	1,080	2044	7376
16	- 151	748	7	- 3713	8803	5090	- 222	41	- 3450	8	3	- 3450	4880	1430	2478	84	9	1,069	2004	7356
16	- 157	800	8	- 3856	8796	4940	- 231	41	- 3584	9	5	- 3584	4884	1300	2472	86	10	1,040	114	7354
16	- 158	814	9	- 3899	8959	5060	- 233	123	- 3543	10	4	- 3543	4903	1360	2453	88	11	1,051	374	7351
16	- 158	807	10	- 3902	8992	5090	- 233	156	- 3513	11	15	- 3513	4913	1400	2453	88	12	1,041	544	7381
14	- 141	931	11	- 3662	8852	5190	- 217	139	- 3308	12	15	- 3308	4926	1620	2450	92	13	1,033	534	737
44	- 154	772	12	- 3760	9040	5280	- 225	130	- 3405	13	8	- 3405	4915	1510	2461	94	14	1,026	1254	737
34	- 153	987	13	- 3956	8956	5000	- 237	81	- 3638	14	5	- 3638	4908	1270	2468	94	15	1,017	3224	737
25	- 162	960	14	- 4126	8946	4820	- 247	69	- 3810	15	3	- 3810	4920	1110	2456	94	16	1,005	3224	737
36	- 116	992	15	- 3223	7933	4710	- 193	95	- 3125	16	7	- 3125	4145	1020	2447	94	17	993	4008	659
45	- 59	1133	16	- 2233	6783	4550	- 134	41	- 2140	17	15	- 2140	3140	1000	2446	94	18	979	4914	559
45	+ 2	1139	17	- 1052	5602	4550	- 63	20	- 1009	18	40	- 1009	2329	1320	2445	94	19	966	5826	477
85	17	1067	18	- 546	5636	5090	- 33	32	- 545	19	37	- 545	2135	1590	2453	102	20	953	6212	45
394	16	879	19	- 129	5219	5090	- 8	34	- 155	20	30	- 155	1815	1660	2455	104	21	939	6930	42
12	0	1046	20	- 634	5664	5030	- 38	20	- 616	21	23	- 616	2296	1680	2456	104	22	925	6648	47
226	20	877	21	- 267	5457	5190	- 16	20	- 271	22	14	- 271	2151	1880	2445	112	23	911	6904	48
271	94	917	22	+ 1190	3840	5030	+ 71	38	+ 1081	23	3	+ 1647	183	1830	2445	116	24	897	8572	26
276	111	798	23	1639	3711	5350	98	32	1541	24	0	1640	180	1820	2439	108	25	884	9481	26
451	116	647	24	2072	3308	5380	124	27	1921	25	5	1485	185	1670	2447	104	26	870	9068	26
631	132	617	25	2497	2753	5250	150	51	2296	26	9	1481	189	1670	2435	104	27	855	9376	26
628	162	642	26	3148	1972	5120	189	44	2915	27	17	1283	197	1480	2425	107	28	837	9378	26
943	197	1009	27	3668	1182	4850	220	36	3412	28	8	1102	188	1290	2426	107	29	819	9395	26
534	190	1410	28	3124	1666	4790	187	60	2877	29	3	967	183	1150	2420	107	30	802	8997	26
325	236	1694	29	3224	1436	4660	193	690	2341	30	2	918	182	1100	2423	107	JULY 1	786	8895	26
416	240	1840	30	3262	1338	4600	196	1312	1754	JULY 1	0	940	180	1120	2424	108	2	771	8796	26
74	301	1769	JULY 1	4166	514	4680	250	1704	2212	2	0	1080	180	1260	2424	107	3	755	8896	26
42	305	1958	2	4119	671	4790	247	1690	2182	3	0	1000	180	1180	2422	98	4	739	8798	26
263	305	1956	3	4242	948	5190	254	1809	2179	4	1	1489	181	1670	2431	93	5	726	8538	26
281	318	1823	4	4660	530	5190	280	1871	2509	5	2	1358	182	1540	2430	93	6	713	9088	26
338	320	2068	5	4508	1442	5950	270	1701	2537	6	1	2319	181	2500	2436	102	7	699	9383	26
287	306	1980	6	4264	1946	6210	256	1634	2374	7	0	2620	180	2800	2444	107	8	686	9376	26
134	314	1826	7	4423	2077	6500	265	1790	2368	8	0	2700	180	2880	2452	106	9	672	9268	26
201	350	1909	8	5124	1346	6470	307	1918	2652	9	0	2320	182	2500	2444	106	10	658	9476	26
222	338	1910	9	4905	1175	6080	294	1959	2150	10	0	1980	180	2160	2453	106	11	644	9667	26
43	338	1859	10	4872	568	5440	293	2429	1654	11	0	1160	180	1340	2448	109	12	629	9572	26
26	350	2292	11	4401	309	4710	264	2483	1437	12	0	886	180	866	2455	115	13	611	9745	26
33	352	2869	12	3850	410	4260	231	2182	1192	13	0	587	180	747	2458	116	14	593	10062	26
29	358	3345	13	3509	651	4160	211	2106	1169	14	0	504	180	684	2440	116	15	575	10090	26
52	368	3493	14	3436	554	3990	206	2061	1861	15	0	434	180	614	2444	118	16	558	9876	26
40	393	3023	15	4297	123	4420	258	2178		16	0	840	180	1020	2449	115	17	536	9771	26

NG STATIONS

1961

VE EY	LAKE WALCOTT CONTENTS ACRE- FEET	MINIDOKA CANALS					SNAKE RIVER NEAR MINIDOKA			DATE	MILNER LAKE GAGE FEET	MINIDOKA NORTH SIDE PUMP STORED	MINOR DIVERSIONS MINIDOKA TO MILNER STORED	GOODING PROJECT			NORTH SIDE CANAL COMPANY					
		NORTH	SOUTH	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL					STORED	NORMAL	TOTAL	P A	GOODING	MAIN	TOTAL	STORED	NORMAL
10300	97,330	1020	1220	2240	514	1726	1167	5693	6860	JUNE 2	10.82	135		1190	0	1190	62	730	2180	2972	279	2693
8720	97,110	241	1150	1391	335	1726	1221	5959	7180	3	10.70	121		1230	0	1230	62	740	2200	3002	23	2979
8040	95,790	10	1090	1100	626	1726	1805	5515	7320	4	10.71	120		1230	0	1230	64	730	2090	2884	339	2545
8000	95,910	37	1060	1097	629	1726	1635	5685	7320	5	10.78	109		1230	0	1230	64	730	2020	2816	99	2715
8320	95,070	531	1060	1591	135	1726	1760	5530	7290	6	10.85	112		1230	0	1230	64	730	2010	2804	234	2570
8810	93,900	1090	1100	2190	464	1726	1560	5650	7210	7	10.69	133		1220	0	1220	64	710	2000	2774	124	2650
9280	92,160	1420	1190	2610	884	1726	1560	5650	7210	8	10.77	149		1220	0	1220	64	720	1990	2774	124	2650
9520	92,270	1630	1180	2810	1084	1726	1450	5650	7100	9	10.60	157		1240	0	1240	64	720	2000	2784	134	2650
9360	90,290	1760	1200	2960	1234	1726	990	5630	6620	10	10.32	161		1270	0	1270	63	660	657	1380	1270	2650
7470	89,940	1750	1250	3000	1274	1726	560	5630	5070	11	10.40	161		1270	0	1270	64	630	0	694	1856	2650
7730	89,360	1700	1280	2980	1254	1726	630	5630	5000	12	10.34	176		1270	0	1270	63	620	0	683	1967	2650
7910	88,430	1600	1270	2870	1144	1726	520	5640	5120	13	10.50	177		1280	0	1280	63	620	0	683	1967	2650
7910	89,130	1550	1240	2790	1064	1726	650	5650	5000	14	10.59	177		1280	0	1280	62	630	0	692	1958	2650
8630	88,360	1540	1230	2770	1044	1726	10	5650	5660	15	11.10	180	1	1270	0	1270	63	690	1330	2073	577	2650
10600	88,660	1470	1210	2680	954	1726	2030	5650	7680	16	11.25	180	1	1280	0	1280	62	720	1990	2772	122	2650
10600	88,900	1380	1220	2600	874	1726	1610	5650	7260	17	11.20	175	1	1290	0	1290	60	700	1980	2740	90	2650
10600	90,530	1390	1280	2670	944	1726	2024	4866	6890	18	11.02	175	1	1300	0	1300	59	680	1920	2659	793	2650
10500	91,810	1410	1280	2690	964	1726	3190	3860	7050	19	10.82	180	2	1310	0	1310	58	670	1920	2648	1788	2650
10400	92,160	1420	1270	2690	1316	1374	3940	3400	7340	20	10.75	184	2	1350	0	1350	56	660	2000	2716	2316	400
10800	92,850	1410	1270	2680	1432	1188	4390	3400	7790	21	10.60	207	2	1350	0	1350	56	660	2040	2756	2356	400
11200	91,460	1490	1250	2740	1870	870	4920	3400	8320	22	10.81	207	2	1390	0	1390	55	680	2110	2845	2445	400
11400	92,270	1580	1220	2800	1448	1352	4950	3400	8350	23	10.92	219	2	1410	0	1410	53	700	2150	2903	2503	400
11400	91,920	1690	1230	2920	1724	1196	4750	3400	8150	24	10.85	230	2	1400	0	1400	58	680	2160	2899	2498	400
11200	92,040	1740	1270	2910	2910	0	5292	2628	7920	25	10.73	229	2	1380	0	1380	55	680	2190	2925	2818	309
11100	92,160	1760	1300	3060	3060	0	5451	2619	8070	26	10.57	235	2	1380	0	1380	54	670	2180	2874	2566	308
11700	91,690	1780	1340	3120	3120	0	5748	2632	8380	27	10.76	239	2	1380	0	1380	53	690	2140	2893	2573	310
12000	92,380	1800	1290	3090	3090	0	5586	2624	8210	28	10.74	240	2	1360	0	1360	54	700	2120	2874	2565	309
12000	93,440	1800	1280	3080	3080	0	5308	2622	7930	29	10.48	240	2	1340	0	1340	55	690	2130	2878	2565	308
12000	94,020	1790	1320	3100	3100	0	5596	2614	8210	30	10.48	241	2	1340	0	1340	56	700	2190	2946	2638	308
11600	94,250	1780	1350	3130	3130	0	5717	2603	8320	JULY 1	10.50	241	2	1350	0	1350	54	720	2210	2984	2678	308
11500	94,720	1790	1360	3150	3150	0	5655	2605	8260	2	10.48	242	2	1350	0	1350	53	740	2210	3003	2697	306
11400	94,490	1780	1370	3150	3150	0	5576	2604	8180	3	10.37	242	2	1340	0	1340	51	730	2220	3001	2695	306
11500	93,550	1770	1380	3130	3130	0	6126	2604	8730	4	10.69	242	2	1360	0	1360	52	780	2290	3122	2816	308
11400	92,620	1770	1350	3120	3120	0	6008	2602	8610	5	10.74	243	2	1330	0	1330	53	800	2280	3133	2827	305
11200	92,860	1760	1290	3040	3040	0	5768	2612	8380	6	10.82	243	2	1320	0	1320	60	810	2280	3150	2842	308
11700	91,690	1660	1210	2870	2870	0	5768	2612	8380	7	10.81	244	2	1330	0	1330	73	790	2280	3143	2838	308
12,000	91,920	1620	1190	2810	2810	0	5823	2617	8440	8	10.84	244	2	1360	0	1360	74	790	2290	3154	2846	309
12,000	92,040	1650	1210	2860	2860	0	5816	2624	8440	9	10.69	244	2	1360	0	1360	72	780	2310	3162	2853	308
11,900	92,880	1660	1250	2910	2910	0	5858	2632	8490	10	10.51	246	2	1350	0	1350	76	760	2320	3186	2846	310
12,100	91,570	1690	1280	2970	2970	0	6186	2624	8810	11	10.86	252	2	1370	0	1370	76	780	2370	3226	2917	309
12300	92,860	1770	1280	3050	3050	0	6237	2633	8870	12	10.72	252	2	1380	0	1380	81	800	2390	3271	2961	311
12300	92,510	1760	1280	3040	3040	0	6302	2628	8930	13	10.76	254	2	1380	0	1380	76	820	2360	3255	2946	310
12400	92,390	1750	1260	3010	3010	0	6328	2635	8960	14	10.72	254	2	1390	0	1390	76	820	2360	3256	2946	310
12700	91,920	1750	1220	2970	2970	0	6382	2638	9020	15	10.86	254	2	1390	0	1390	77	840	2350	3267	2957	311
12700	93,320	1760	1230	2990	2990	0	6110	2620	8730	16	10.82	254	2	1390	0	1390	75	830	2340	3245	2936	310
12500	93,790	1770	1210	2980	2980	0	5946	2624	8670	17	10.75	254	2	1380	0	1380	74	820	2380	3254	2948	310
12400	93,790	1780	1210	2990	2990	0	6181	2629	8810	18	10.74	244	2	1390	0	1390	74	820	2380	3274	2966	311

ELEVATION FEET	MINIDOKA NORTH SIDE PUMP STORED	MINOR DIVERSIONS MINIDOKA TO MILNER STORED	GOODING PROJECT			NORTH SIDE CANAL COMPANY						TWIN FALLS CANAL COMPANY			MILNER LOW LIFT			SNAKE RIVER AT MILNER		
			STORED	NORMAL	TOTAL	P.A.	GOODING	MAIN	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL
10.82	135		1190	0	1190	62	730	2180	2972	279	2693	10	3000	3010	216	0	216	5	0	5
10.70	121		1230	0	1230	62	740	2200	3002	23	2979	0	2980	2980	215	0	215	4	0	4
10.71	120		1230	0	1230	64	730	2090	2884	339	2545	0	2970	2970	192	0	192	4	0	4
10.78	109		1230	0	1230	64	730	2020	2814	99	2715	0	2970	2970	177	0	177	5	0	5
10.85	112		1230	0	1230	64	730	2010	2804	234	2570	0	2960	2960	160	0	160	5	0	5
10.89	133		1220	0	1220	64	710	2000	2774	124	2650	0	2980	2980	156	0	156	5	0	5
10.77	149		1220	0	1220	64	720	1990	2774	124	2650	0	2980	2980	149	0	149	5	0	5
10.60	157		1240	0	1240	64	720	2000	2784	134	2650	0	2980	2980	149	0	149	5	0	5
10.32	161		1270	0	1270	63	660	657	1380	1270	2650	0	2980	2980	149	0	149	5	0	5
10.40	161		1270	0	1270	64	630	0	694	1956	2650	0	2980	2980	150	0	150	5	0	5
10.34	178		1270	0	1270	63	620	0	683	1967	2650	0	2970	2970	168	0	168	5	0	5
10.50	177		1280	0	1280	63	620	0	683	1967	2650	0	2970	2970	170	0	170	5	0	5
10.59	177	1	1280	0	1280	62	630	0	692	1958	2650	0	2980	2980	172	0	172	5	0	5
11.10	180	1	1270	0	1270	63	680	1330	2073	577	2650	0	3000	3000	188	0	188	7	0	7
11.25	180	1	1280	0	1280	62	720	1990	2772	122	2650	0	2980	2980	190	0	190	24	0	24
11.20	175	1	1290	0	1290	60	700	1980	2740	90	2650	0	2960	2960	190	0	190	13	0	13
11.01	175	1	1300	0	1300	59	680	1920	2659	793	1866	0	3000	3000	189	0	189	6	0	6
10.82	180	2	1310	0	1310	58	670	1920	2648	1788	860	140	3000	3140	195	0	195	5	0	5
10.75	184	2	1350	0	1350	56	660	2000	2716	2316	400	300	3000	3300	197	0	197	5	0	5
10.60	207	2	1350	0	1350	56	660	2040	2756	2356	400	520	3000	3520	201	0	201	4	0	4
10.81	207	2	1390	0	1390	55	680	2110	2845	2445	400	530	3000	3530	212	0	212	5	0	5
10.92	219	2	1410	0	1410	53	700	2150	2903	2503	400	510	3000	3510	211	0	211	5	0	5
10.85	230	2	1400	0	1400	58	680	2160	2898	2498	400	520	3000	3520	211	0	211	5	0	5
10.73	229	2	1380	0	1380	55	680	2190	2925	2616	309	1301	2319	3620	214	0	214	4	0	4
10.57	235	2	1380	0	1380	54	670	2150	2874	2566	308	1329	2311	3640	218	0	218	4	0	4
10.76	239	2	1380	0	1380	53	690	2140	2883	2573	310	1278	2322	3600	217	0	217	5	0	5
10.74	240	2	1360	0	1360	54	700	2120	2874	2565	309	1235	2315	3550	217	0	217	5	0	5
10.48	240	2	1340	0	1340	55	690	2130	2875	2586	309	1237	2313	3550	217	0	217	4	0	4
10.48	241	2	1340	0	1340	56	700	2190	2946	2638	308	1264	2306	3570	217	0	217	4	0	4
10.50	241	2	1350	0	1350	54	720	2210	2984	2678	306	1303	2297	3600	217	0	217	4	0	4
10.48	242	2	1350	0	1350	53	740	2210	3003	2697	306	1321	2299	3620	217	0	217	4	0	4
10.37	242	2	1340	0	1340	51	730	2220	3001	2695	306	1372	2298	3670	217	0	217	4	0	4
10.69	242	2	1360	0	1360	52	780	2290	3122	2816	306	1422	2298	3720	217	0	217	5	0	5
10.74	243	2	1330	0	1330	53	800	2280	3133	2827	306	1374	2296	3670	217	0	217	5	0	5
10.82	243	2	1320	0	1320	60	810	2280	3150	2842	308	1376	2304	3680	217	0	217	6	0	6
10.81	244	2	1330	0	1330	73	790	2280	3143	2835	308	1336	2304	3640	217	0	217	6	0	6
10.84	244	2	1360	0	1360	74	790	2290	3154	2846	308	1331	2309	3640	219	0	219	7	0	7
10.89	244	2	1360	0	1360	72	780	2310	3162	2853	309	1345	2315	3660	234	0	234	6	0	6
10.91	246	2	1350	0	1350	76	760	2320	3158	2846	310	1358	2322	3680	234	0	234	6	0	6
10.66	252	2	1370	0	1370	78	780	2370	3226	2917	309	1445	2315	3760	234	0	234	5	0	5
10.72	252	2	1380	0	1380	81	800	2390	3271	2961	310	1437	2323	3760	234	0	234	4	0	4
10.75	254	2	1380	0	1380	75	820	2360	3255	2946	309	1441	2319	3760	234	0	234	5	0	5
10.72	254	2	1390	0	1390	76	820	2360	3258	2946	310	1445	2325	3770	234	0	234	6	0	6
10.86	254	2	1390	0	1390	77	840	2350	3267	2957	310	1452	2328	3780	234	0	234	6	0	6
10.82	254	2	1390	0	1390	75	830	2340	3245	2936	309	1429	2311	3740	234	0	234	5	0	5
10.75	254	2	1380	0	1380	74	820	2360	3254	2945	309	1445	2315	3760	234	0	234	5	0	5
10.74	244	2	1390	0	1390	74	820	2380	3274	2965	309	1450	2320	3770	234	0	234			

DAILY SEGREGATION

DATE	JACKSON LAKE CONTENTS ACRE- FEET	SNAKE RIVER AT MORAN			STORED LOSS MORAN TO ALPINE	DATE	SNAKE RIVER NEAR ALPINE			PALISADES RESERVOIR CONTENTS 1,000'S ACRE- FEET	SNAKE RIVER NEAR IRWIN			IRWIN TO HEISE		HEISE & RILEY			STOP INP HENRYS
		STORED	NORMAL	TOTAL			STORED	NORMAL	TOTAL		STORED	NORMAL	TOTAL	STORED LOSS	STORED DIVERSIONS	STORED	NORMAL	TOTAL	
JUL 14	338,180	4500	990	5490															
15	329,290	4680	810	5490	77	JUL 15	4 423	3117	7540	755	7983	3847	11800	64	30	7859	4571	12430	
16	319,820	4600	840	5440	80	16	4600	2830	7430	748	8130	3670	11800	65	30	8035	4395	12430	
17	311,020	4750	730	5480	78	17	4522	2748	7270	741	7852	3948	11800	63	30	7759	4671	12430	
18	301,630	4650	780	5430	81	18	4669	2551	7220	735	8153	3647	11800	65	30	8058	4172	12230	
19	292,930	4600	840	5440	79	19	4571	2569	7140	727	8101	3799	11900	65	30	8006	4223	12229	
20	283,400	4600	840	5440	78	20	4522	2668	7190	720	8562	3738	12300	68	30	8464	4149	12613	
21	273,980	4760	760	5520	81	21	4522	2698	7220	712	8562	3738	12300	68	30	8464	4156	12620	
22	263,920	4900	610	5510	83	22	4679	2541	7220	704	8209	3591	11800	66	30	8113	4009	12122	
23	255,030	4800	610	5410	82	23	4817	2263	7080	697	8347	3253	11600	67	30	8250	3650	11900	
24	244,900	4800	610	5410	82	24	4718	2232	6950	690	8048	3352	11400	65	25	7958	3742	11700	
25	235,280	4950	590	5540	84	25	4718	2232	6950	684	7748	3252	11000	62	25	7661	3663	11324	
26	225,490	5040	610	5650	86	26	4866	2244	7110	677	7696	3304	11000	62	25	7609	3716	11325	
27	215,400	5100	570	5670	87	27	4954	2236	7190	671	6974	3626	10600	56	25	6893	4231	11124	
28	205,140	5160	580	5740	88	28	5013	2177	7190	667	7033	3467	10500	56	25	6952	3868	10820	
29	194,800	5200	520	5720	88	29	5072	2118	7190	663	7092	3208	10300	57	25	7010	3810	10820	
30	183,520	5150	480	5640	88	30	5112	2108	7220	660	6932	3168	10100	56	25	6851	3569	10420	
31	173,170	5600	440	6040	95	31	5062	2128	7190	656	6582	3248	9830	53	25	6504	3715	10219	
AUG 1	159,200	5750	400	6150	98	AUG 1	5505	2085	7590	652	6515	2825	9340	52	25	6438	3428	9866	
2	149,610	5700	400	6100	97	2	5652	1938	7590	649	5952	3148	9100	48	25	5879	3594	9473	
3	137,820	5710	400	6110	97	3	5603	1907	7510	649	5803	3327	9130	46	25	5732	3680	9412	
4	125,740	5720	390	6110	97	4	5613	1927	7540	649	6113	3017	9130	49	25	6038	3371	9410	
5	113,830	5600	410	6010	95	5	5623	1777	7400	648	6123	3047	9170	49	25	6049	3369	9418	
6	101,270	5550	390	5940	94	6	5505	1845	7350	646	6005	3125	9130	48	25	5932	3487	9419	
7	91,740	5550	380	5930	94	7	5456	2114	7570	645	6056	3114	9170	48	25	5983	3466	9449	
8	81,210	5320	350	5670	90	8	5456	2194	7650	643	6161	2969	9130	49	25	6087	3362	9449	
9	72,720	3520	1520	5040	60	9	5230	2040	7270	642	5935	3195	9130	48	25	5862	3585	9447	
10	65,730	3330	1110	4440	58	10	3460	3090	6550	642	4870	4130	9000	39	25	4806	4531	9357	
11	59,140	2900	1020	3920	49	11	3274	2666	5940	639	5194	3776	8970	42	25	5127	4110	9237	
12	51,300	2500	1000	3500	42	12	2851	2559	5410	635	5221	3489	8710	42	25	5154	4013	9167	
13	47,080	2160	970	3130	37	13	2458	2542	5000	630	5278	3212	8490	42	20	5216	3536	8754	
14	44,090	1900	930	2830	32	14	2123	2577	4700	625	4843	3517	8360	39	20	4784	3973	8757	
15	40,920	1800	800	2600	31	15	1868	2472	4340	619	4338	3672	8010	35	20	4263	4139	8422	
16	37,750	1600	780	2380	27	16	1769	2361	4130	613	4089	3701	7790	33	20	4036	4121	8157	
17	34,940	1400	770	2170	24	17	1573	2287	3860	609	3893	3677	7570	31	20	3842	4151	7995	
18	32,850	1300	690	1990	22	18	1376	2244	3620	604	4576	2904	7480	37	20	4519	3302	7821	
19	30,780	1150	690	1840	20	19	1278	2142	3420	598	4478	3032	7510	36	20	4422	3399	7821	
20	28,500	1000	700	1700	17	20	1130	2110	3240	590	4330	3150	7480	35	20	4275	3546	7821	
21	26,520	1000	590	1590	17	21	983	2167	3150	583	4083	3237	7320	33	20	4030	3691	7721	
22	23,020	900	570	1470	15	22	983	1977	2960	578	4563	2607	7170	37	20	4506	2957	7463	
23	23,800	800	560	1360	14	23	885	1895	2780	571	4915	2565	7480	39	20	4856	2737	7593	
24	22,580	750	530	1280	13	24	786	1854	2640	563	5186	2664	7850	40	20	5126	2928	8054	
25	20,850	780	420	1200	13	25	737	1883	2620	554	5137	2833	7970	40	20	5077	3177	8254	
26	19,280	770	370	1140	13	26	767	1803	2570	546	5167	2803	7970	40	10	5117	3137	8254	
27	17,370	710	360	1070	12	27	757	1713	2470	539	5157	2783	7940	40	10	5107	3147	8254	
28	16,820	680	330	1010	12	28	698	1702	2400	528	5398	2572	7970	43	10	5345	2909	8254	
29	15,440	630	335	965	11	29	668	1692	2360	518	4968	2912	7880	40	10	4918	3337	8255	
30	14,440	630	335	965	11	30	619	1731	2350	510	4019	3241	7260	33	10	3976	3916	7993	

OF DATA AT AND BETWEEN SNAKE RIVER GAGI

24 HOUR SECOND- FEET EXCEPT AS NOTED

DOWN FORK	NEISE TO SHELLEY		DATE	SNAKE RIVER NEAR SHELLEY			SHELLEY TO BLACKFOOT		THEORETICAL BALANCE OF STORAGE AT BLACKFOOT	DATE	BLACKFOOT RIVER	SNAKE RIVER NEAR BLACKFOOT			BLACKFOOT TO NEELEY		DATE	AMERICAN FALLS RESERVOIR CONTENTS 1000'S ACRE- FEET	SNAKE R. AT NEELEY	
	STORED LOSS	STORED DIVERSIONS		STORED	NORMAL	TOTAL	STORED LOSS	STORED DIVERSIONS				STORED	NORMAL	TOTAL	CALCULATED INFLOW	STORED DIVERSIONS			STORED	NORM
209	384	3324	JULY 16	3942	658	4600	240	2156	1546	JULY 17	0	1020	180	1200	2465	116	JULY 18	519	9665	2635
101	392	3521	17	4021	949	4970	241	2163	1617	18	0	1190	180	1370	2465	116	19	502	9555	2645
89	379	3828	18	3465	1005	4470	241	2163	911	19	0	742	180	922	2449	116	20	485	9471	2628
201	393	3484	19	4382	168	4550	263	2614	1505	20	0	1070	180	1250	2448	117	21	470	9172	2628
121	391	3371	20	4365	485	4850	262	2400	1703	21	0	1440	180	1620	2458	109	22	454	9162	2638
185	413	3947	21	4289	651	4940	255	2385	1649	22	0	1460	180	1640	2450	105	23	438	8070	2630
119	413	3817	22	4353	647	5000	261	2336	1756	23	0	1820	180	2000	2458	105	24	424	8762	2638
0	396	3353	23	4364	1076	5440	262	2025	2077	24	0	2020	180	2200	2458	106	25	410	9662	2638
107	403	3102	24	4638	612	5250	278	2040	2320	25	0	1760	180	1940	2453	106	26	395	8367	2633
41	388	3331	25	4198	742	4940	252	2301	1645	26	0	1330	180	1510	2447	105	27	381	7973	2627
30	374	3383	26	3874	946	4820	232	2212	1430	27	0	1480	180	1660	2440	96	28	368	7980	2620
217	371	3116	27	3905	1035	4940	234	2159	1512	28	0	1510	180	1690	2434	92	29	354	7986	2614
163	336	3831	28	2563	2097	4660	154	2171	239	29	0	1610	180	1790	2440	92	30	341	7780	2620
293	339	2842	29	3478	1552	5030	208	1910	1360	30	0	2090	180	2270	2434	92	31	329	7986	2614
120	342	2407	30	4381	899	5280	263	1856	2462	31	0	2240	180	2420	2435	92	AUG 1	317	8485	2615
52	334	2394	31	4071	1049	5120	244	1747	2080	AUG 1	0	2090	180	2270	2442	91	2	305	8578	2622
181	317	2346	AUG 1	3660	1000	4660	219	1582	1859	2	0	1600	180	1780	2448	91	3	292	8572	2628
263	314	2608	2	3253	1007	4260	195	1881	1177	3	0	1060	180	1240	2453	89	4	278	8767	2633
377	287	2774	3	2441	1499	3940	146	1955	340	4	0	870	180	1050	2450	89	5	262	8770	2630
380	280	3228	4	1844	1586	3430	111	1905	172	5	0	525	180	705	2448	89	6	245	8472	2628
491	295	3056	5	2197	1233	3430	132	1814	251	6	0	798	180	978	2470	89	7	230	8160	2650
594	295	2512	6	2648	1412	4060	159	1593	896	7	0	1640	180	1820	2497	86	8	217	7723	2677
339	289	1994	7	3310	1350	4660	199	1483	1628	8	0	2110	180	2290	2492	84	9	206	7528	2672
470	292	1707	8	3514	1366	4880	210	1481	1823	9	1	2399	181	2580	2498	83	10	196	7421	2679
513	297	1752	9	3525	1755	5280	211	1296	2018	10	2	2678	182	2860	2498	76	11	186	7622	2678
438	286	1724	10	3414	2156	5570	204	1436	1774	11	1	2759	181	2940	2504	75	12	178	7715	2685
328	235	1761	11	2482	2458	4940	149	1557	776	12	0	2120	180	2300	2515	72	13	165	7705	2695
174	250	1828	12	2875	1835	4710	172	1539	1164	13	1	2279	181	2460	2546	72	14	155	7873	2727
50	252	1533	13	3319	1561	4880	199	1414	1706	14	1	2639	181	2820	2541	76	15	144	7878	2722
2	255	1497	14	3462	1328	4790	208	1036	2218	15	0	2660	180	2840	2540	77	16	133	7680	2720
48	233	1443	15	3156	1414	4570	189	892	2075	16	0	2260	180	2440	2543	75	17	122	7477	2723
6	209	917	16	3163	1497	4660	190	1204	1769	17	1	2049	181	2230	2545	75	18	111	7134	2726
31	197	1143	17	2665	1755	4420	160	1399	1106	18	0	1480	180	1660	2552	75	19	100	6758	2732
59	187	1569	18	2145	1625	3770	129	1619	397	19	0	798	180	978	2549	75	20	87	6271	2729
78	221	1597	19	2623	997	3520	157	1581	885	20	0	798	180	978	2530	75	21	75	5920	2710
34	216	995	20	3177	593	3770	190	1517	1470	21	0	1110	180	1290	2522	74	22	64	5748	2708
57	209	989	21	3020	750	3770	181	1537	1302	22	0	840	180	1020	2532	72	23	52	5508	2712
47	197	1362	22	2518	822	3340	151	1528	841	23	0	546	180	726	2548	72	24	41	3602	2728
82	220	768	23	3236	174	3410	194	1766	1276	24	0	616	180	796	2557	72	25	34	2383	2737
83	237	1414	24	3172	258	3430	190	1794	1188	25	0	694	180	874	2559	57	26	29	2651	2739
65	250	1321	25	3500	80	3560	210	1813	1477	26	0	820	180	1000	2570	12	27	24	2800	2750
109	248	2276	26	2444	1006	3450	147	1652	645	27	0	920	180	1100	2571	74	28	19	2149	2751
139	250	1915	27	2813	907	3720	169	1610	1034	28	0	1250	180	1430	2570	74	29	15	2030	2750
139	248	2027	28	2692	1418	4110	162	1660	870	29	0	1490	180	1670	2557	72	30	12	2043	2737
227	261	1839	29	3018	1372	4390	181	1692	1145	30	0	1710	180	1890	2548	70	31	11	1712	2738
7	240	1857	30	2828	1562	4390	169	1836	823	31	0	1540	180	1720	2548	69	SEPT 1	10	1522	2726
28	194	1218	31	2436	1774	4210	146	1719	572	SEPT 1	0	1780	180	1960	2538	64	2	9	1532	2718

1961

SEPT

DATE	MILNER LAKE GAGE FEET	MINIDOKA NORTH SIDE PUMP STORED	MINOR DIVERSIONS MINIDOKA TO MILNER STORED	GOODING PROJECT			NORTH SIDE CANAL COMPANY					TWIN FALLS CANAL COMPANY				MILNER LOW LIFT			SNAKE RIVER AT MILNER		
				STORED	NORMAL	TOTAL	P. A.	GOODING	MAIN	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL
JULY 19	10.95	238	2	1390	0	1390	76	820	2380	3276	2966	310	1435	2325	3780	234	0	234	6	0	6
20	10.89	233	2	1380	0	1380	80	810	2370	3260	2949	311	1426	2334	3760	235	0	235	6	0	6
21	10.88	230	2	1400	0	1400	80	810	2370	3260	2951	308	1460	2320	3780	235	0	235	6	0	6
22	10.75	230	2	1390	0	1390	76	800	2370	3246	2937	309	1441	2319	3760	235	0	235	6	0	6
23	10.68	230	2	1380	0	1380	76	780	2370	3226	2916	310	1432	2328	3760	235	0	235	5	0	5
24	10.66	230	2	1390	0	1390	73	780	2380	3233	2924	309	1439	2321	3760	235	0	235	5	0	5
25	10.63	220	2	1390	0	1390	73	800	2370	3243	2933	310	1362	2328	3690	235	0	235	5	0	5
26	10.75	220	0	1390	0	1390	74	800	2360	3234	2924	310	1302	2328	3630	234	0	234	6	0	6
27	10.79	209		1390	0	1390	76	800	2340	3216	2906	310	1317	2323	3640	235	0	235	6	0	6
28	10.75	208		1370	0	1370	75	790	2280	3145	2836	309	1322	2318	3640	234	0	234	5	0	5
29	10.74	208		1360	0	1360	74	790	2250	3114	2806	308	1328	2312	3640	218	0	218	5	0	5
30	10.76	208		1360	0	1360	74	790	2230	3094	2786	308	1344	2306	3650	218	0	218	6	0	6
31	10.84	208		1340	0	1340	74	790	2180	3044	2736	308	1308	2312	3620	215	0	215	6	0	6
AUG 1	10.86	208		1320	0	1320	74	790	2120	2984	2676	308	1294	2306	3600	211	0	211	5	0	5
2	10.75	220		1310	0	1310	74	780	2120	2974	2666	308	1293	2307	3600	217	0	217	5	0	5
3	10.64	230		1310	0	1310	74	780	2120	2974	2666	308	1286	2314	3600	219	0	219	5	0	5
4	10.63	230		1310	0	1310	74	800	2130	3004	2695	309	1291	2319	3610	219	0	219	5	0	5
5	10.70	230		1320	0	1320	68	820	2170	3058	2748	310	1297	2323	3620	219	0	219	4	0	4
6	10.58	231		1330	0	1330	68	820	2120	3008	2699	309	1319	2321	3640	218	0	218	4	0	4
7	10.62	231		1330	0	1330	68	820	2130	3018	2709	309	1301	2319	3620	212	0	212	4	0	4
8	10.86	231		1320	0	1320	66	800	2140	3006	2694	312	1282	2338	3620	208	0	208	3	0	3
9	10.67	227		1310	0	1310	66	780	2170	3016	2701	315	1238	2362	3600	207	0	207	2	0	2
10	10.56	228		1310	0	1310	61	780	2200	3041	2727	314	1252	2358	3610	207	0	207	2	0	2
11	10.59	228		1300	0	1300	62	790	2210	3082	2747	315	1256	2364	3620	206	0	206	2	0	2
12	10.58	228		1300	0	1300	62	790	2210	3062	2747	315	1197	2363	3560	201	0	201	2	0	2
13	10.60	228		1300	0	1300	63	790	2210	3063	2747	316	1181	2369	3550	199	0	199	2	0	2
14	10.62	228		1280	0	1280	63	780	2220	3063	2746	317	1132	2378	3510	198	0	198	2	0	2
15	10.71	217		1280	0	1280	63	780	2170	3013	2692	321	1054	2406	3460	198	0	198	2	0	2
16	10.67	206		1280	0	1280	63	770	2160	2993	2673	320	1038	2402	3440	198	0	198	2	0	2
17	10.70	196		1290	0	1290	63	770	2160	2993	2673	320	1020	2400	3420	202	0	202	2	0	2
18	10.73	195		1300	0	1300	61	770	2160	2991	2671	320	1037	2403	3440	206	0	206	2	0	2
19	10.72	186		1280	0	1280	59	760	2160	2979	2659	320	1054	2406	3460	206	0	206	2	0	2
20	10.55	186		1260	0	1260	58	750	2130	2938	2617	321	1049	2411	3460	206	0	206	2	0	2
21	10.73	190		1260	0	1260	58	760	2120	2938	2617	321	862	2408	3270	206	0	206	2	0	2
22	10.82	189		1260	0	1260	58	760	2080	2898	2579	319	529	2391	2920	206	0	206	2	0	2
23	10.66	184		1250	0	1250	58	760	2050	2868	2550	318	466	2384	2850	206	0	206	2	0	2
24	10.66	184		1230	0	1230	58	760	2050	2868	2549	319	507	2393	2900	203	0	203	2	0	2
25	10.18	184		1230	0	1230	55	590	664	1309	988	321	543	2407	2950	204	0	204	2	0	2
26	10.28	172		1230	0	1230	56	540	0	608	284	322	525	2415	2940	208	0	208	2	0	2
27	10.43	172		1230	0	1230	56	520	0	576	254	322	503	2417	2920	188	0	188	2	0	2
28	10.48	167		1220	0	1220	55	500	0	555	231	322	464	2426	2890	197	0	197	2	0	2
29	10.56	156		1220	0	1220	55	500	0	555	231	324	383	2427	2810	193	0	193	2	0	2
30	10.84	148		1220	0	1220	55	610	1410	2075	1751	324	304	2426	2730	187	0	187	2	0	2
31	10.68	148		1220	0	1220	56	660	1990	2706	2384	324	305	2415	2720	180	0	180	2	0	2
SEPT 1	10.52	139		1200	0	1200	55	640	1920	2615	2294	322	333	2407	2740	176	0	176	2	0	2
2	10.55	133		1190	0	1190	51	630	1840	2521	2200	321	293	2407	2700	172	0	172	2	0	2
3	10.66	133		1210	0	1210	51	640	1820	2511	2191	320	232	2398	2630	164	0	164	2	0	2

DAILY SEGREGATION

JACKSON LAKE		SNAKE RIVER AT MORAN			STORED LOSS MORAN TO ALPINE	DATE	SNAKE RIVER NEAR ALPINE			PALISADES RESERVOIR CONTENTS 1000'S ACRE- FEET	SNAKE RIVER NEAR IRWIN			IRWIN TO HEISE		HEISE & RILEY			STORED IN FLOW HENRYS FOR
DATE	CONTENTS ACRE- FEET	STORED	NORMAL	TOTAL		DATE	STORED	NORMAL	TOTAL		STORED	NORMAL	TOTAL	STORED LOSS	STORED DIVERSIONS	STORED	NORMAL	TOTAL	
AUG 30	12,720	590	340	930	10	AUG 31	580	1770	2350	504	3910	2560	6470	31	10	3869	3084	6953	- 172
31	11,350	570	325	895	10	SEPT 1	560	1900	2460	498	3760	2520	6380	30	0	3730	3043	6773	- 19
SEPT 1	10,150	520	361	881	9	2	511	2269	2780	494	3011	2669	5680	24		2987	3097	6084	- 120
2	8,460	520	340	860	9	3	511	2009	2520	489	3011	3327	6240	24		2987	3697	6684	- 149
3	8,250	480	344	824	8	4	472	1888	2360	484	2472	3048	5520	20		2452	3568	6020	- 140
4	7,390	460	334	794	8	5	452	1828	2280	480	2452	2608	5060	20		2432	3188	5620	- 102
5	6,710	450	327	767	8	6	442	1758	2200	478	2492	2618	5060	20		2422	3008	5430	- 179
6	5,870	440	300	740	7	7	433	1727	2160	472	2433	2627	5080	19		2414	3016	5430	- 101
7	4,640	420	292	712	7	8	413	1697	210	468	1913	2867	4780	15		1898	3362	5260	- 25
8	3,780	300	390	690	5	9	295	1855	2150	465	1795	2835	4630	14		1781	3308	5090	- 2
9	3,270	80	610	690	1	10	79	2241	2320	462	679	3801	4480	5		574	4305	4980	- 23
10	3,100	0	696	696	0	11	0	2360	2360	461	560	3550	4110	4		558	4034	4590	- 51
11	3,100	0	718	718	0	12	0	2520	2520	460	500	3310	3810	4		496	3884	4380	- 19
12	3,270	90	644	734	2	13	88	2402	2490	459	588	3002	3590	5		583	3557	4140	- 22
13	2,920	150	573	723	3	14	147	2213	2360	457	647	2923	3570	5		642	3418	4060	- 91
14	2,580	150	551	701	3	15	147	2153	2300	457	647	2923	3590	5		642	3498	4140	- 45
15	2,240	150	440	690	3	16	147	2113	2260	456	647	2923	3590	5		642	3438	4080	- 15
16	1,890	40	639	679	1	17	39	2281	2310	455	39	3271	3320	0		39	3871	3910	- 6
17	1,720	0	674	674	0	18	0	2550	2510	456	0	3310	3310			0	3910	3910	- 6
18	1,890	0	696	696	0	19	0	3020	3010	457	0	3030	3030						- 1
						20													- 1

OF DATA AT AND BETWEEN SNAKE RIVER GAGING

24 HOUR SECOND-FOOT EXCEPT AS NOTED

HEISE TO SHELLEY			SNAKE RIVER NEAR SHELLEY			SHELLEY TO BLACKFOOT		THEORETICAL BALANCE OF STORAGE AT BLACKFOOT	DATE	BLACKFOOT RIVER	SNAKE RIVER NEAR BLACKFOOT			BLACKFOOT TO NEELEY		DATE	AMERICAN FALLS RESERVOIR CONTENTS 1,000'S ACRE-FOOT	SNAKE RIVER AT NEELEY	
STORIED LOSS	STORIED DIVERSIONS	DATE	STORIED	NORMAL	TOTAL	STORIED LOSS	STORIED DIVERSIONS				STORIED	NORMAL	TOTAL	CALCULATED INFLOW	STORIED DIVERSIONS			STORIED	NORMAL
189	1230	SEPT 1	2278	1542	3820	136	927	1215	SEPT 2	0	2260	180	2440	2526	59	SEPT 3	9	1694	2708
182	379	2	3188	952	4140	181	618	2379	3	0	2540	180	2720	2519	59	4	9	1851	2699
146	1208	3	1753	1607	3360	105	536	1112	4	0	1790	180	1970	2523	55	5	10	1847	2703
146	1311	4	1679	1711	3390	101	573	1005	5	0	1810	180	1990	2506	50	6	10	2282	2688
120	1604	5	868	2022	2890	52	537	279	6	0	1420	180	1600	2506	47	7	8	2669	2686
119	1155	6	1260	1410	2670	76	362	822	7	0	1300	180	1480	2503	44	8	4	1717	2683
118	663	7	1820	740	2560	109	383	1328	8	0	1300	180	1480	2503	32	9	2	0	2350
118	640	8	1757	803	2560	106	311	1340	9	0	1480	180	1660	2506	26	10	5	554	2686
93	- 168	9	1998	992	2990	120	264	1614	10	2	2368	182	2550	2509	26	11	8	1489	269
87	22	10	1674	1886	3560	101	28	1545	11	0	2680	180	2860	2528	28	12	11	2002	2708
33	682	11	- 64	3304	3240	- 4	0	- 60	12	0	1504	1076	2580	2559	28	13	11	1741	2739
27	618	12	- 144	3014	2870	- 9	0	- 135	13	0	523	1747	2230	2560	28	14	12	0	3810
24	686	13	- 411	3081	2670	- 25	0	- 386	14	0	- 386	2446	2060	2563	28	15	14		2660
28	136	14	195	2675	2870	12	0	183	15	0	183	1977	2160	2568	28	16	18		2270
31	202	15	317	2873	3190	19	0	298	16	2	298	1712	2010	2587	29	17	24		2410
31	195	16	371	2819	3190	22	1	349	17	57	349	1711	2060	2600	29	18	30		2570
31	225	17	371	2819	3190	22	4	349	18	100	349	1731	2080	2666	30	19	38		2390
2	193	18	- 162	3032	2870	- 10	0	- 152	19	150	- 152	2372	2220	2728	12	20	43		2190
0	92	19	- 98	3108	3010	- 6		- 92	20	200	- 92	2552	2460	2735	0	21	50		2150
	0	20	- 6	3076	3070	- 6		- 6	21	220	- 6	2526	2520			22	57		
	0	21	- 6	3056	3050	- 6		- 6	22	220	- 6	2436	2430						
19,073	183,586		179,247			10,717	121,937	46,593			46,593					10,428		817,752	

1961

262,399

MINIDOKA NORTH SIDE PUMP STORED	MINOR DIVERSIONS MINIDOKA TO MILNER STORED	GOODING PROJECT			NORTH SIDE CANAL COMPANY						TWIN FALLS CANAL COMPANY			MILNER LOW LIFT			SNAKE RIVER AT MILNER		
		STORED	NORMAL	TOTAL	P A	GOODING	MAIN	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL
123		1220	0	1220	51	650	1740	2441	2123	318	192	2388	2580	151	0	151	2	0	2
114		1210	0	1210	50	650	1430	2130	1812	318	169	2381	2550	139	0	139	2	0	2
109		1190	0	1190	50	510	376	936	618	318	165	2385	2550	139	0	139	2	0	2
104		1190	0	1190	50	440	0	490	174	318	178	2372	2550	139	0	139	2	0	2
100		600	0	600	50	460	0	510	194	316	130	2370	2500	139	0	139	2	0	2
95		0			51	450	0	501	185	316	43	2367	2410	139	0	139	3	0	3
90					48	440	0	488	155	333	0	2350	2350	131	0	131	4	0	4
81					48	440	0	488	102	386	0	2300	2300	114	0	114	4	0	4
81					48	420	0	468	0	468	0	2210	2210	93	13	106	6	0	6
81					48	390	0	438	0	438	0	2110	2110	0	103	103	14	0	14
81					47	380	0	427	0	427	0	1980	1980	0	103	103	4	0	4
70					46	350	0	396	0	396	0	1820	1820	0	94	94	3	0	3
70					44	320	0	364	0	364	0	1740	1740	0	90	90	3	0	3
70					40	300	0	340	0	340	0	1720	1720	0	90	90	3	0	3
70					40	300	0	340	0	340	0	1720	1720	0	90	90	3	0	3
66					39	300	0	339	0	339	0	1610	1610	0	85	85	3	0	3
51					32	280	0	312	0	312	0	1430	1430	0	73	73	3	0	3
41					29	240	520	789	0	789							0	4	4
36					29	210	1030	1269	0	1269									
22																			
22																			
22																			
20																			
31																			
31																			
31																			
31																			
28,791	79	179,110							262,398		97,215			27,395			7,148		

[illegible]

DAILY STORAGE

JUNE

[illegible]

SEPTEMBER																																		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	NO.	TOTAL	RESERVOIR EQUIPMENT	AMERICAN FALLS	JACKSON
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	1,945	1,945	4,115	1,945
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	2	1,322	1,322	2,798	1,322	
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	3	1,322	1,322	2,798	1,322		
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	4	1,322	1,322	2,798	1,322			
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	5	1,322	1,322	2,798	1,322				
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	6	1,322	1,322	2,798	1,322					
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	7	1,322	1,322	2,798	1,322						
8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	8	1,322	1,322	2,798	1,322							
9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	9	1,322	1,322	2,798	1,322								
10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	10	1,322	1,322	2,798	1,322									
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	11	1,322	1,322	2,798	1,322										
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	12	1,322	1,322	2,798	1,322											
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	13	1,322	1,322	2,798	1,322												
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	14	1,322	1,322	2,798	1,322													
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	15	1,322	1,322	2,798	1,322														
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	16	1,322	1,322	2,798	1,322															
17	18	19	20	21	22	23	24	25	26	27	28	29	30	17	1,322	1,322	2,798	1,322																
18	19	20	21	22	23	24	25	26	27	28	29	30	18	1,322	1,322	2,798	1,322																	
19	20	21	22	23	24	25	26	27	28	29	30	19	1,322	1,322	2,798	1,322																		
20	21	22	23	24	25	26	27	28	29	30	20	1,322	1,322	2,798	1,322																			
21	22	23	24	25	26	27	28	29	30	21	1,322	1,322	2,798	1,322																				
22	23	24	25	26	27	28	29	30	22	1,322	1,322	2,798	1,322																					
23	24	25	26	27	28	29	30	23	1,322	1,322	2,798	1,322																						
24	25	26	27	28	29	30	24	1,322	1,322	2,798	1,322																							
25	26	27	28	29	30	25	1,322	1,322	2,798	1,322																								
26	27	28	29	30	26	1,322	1,322	2,798	1,322																									
27	28	29	30	27	1,322	1,322	2,798	1,322																										
28	29	30	28	1,322	1,322	2,798	1,322																											
29	30	29	1,322	1,322	2,798	1,322																												
30	30	30	1,322	1,322	2,798	1,322																												
GRAND TOTALS																															1,176,436	2,332,399	2,388,522	1,365,960

28	29	30	NO	TOTAL SECOND-FOOT	ACRE-FOOT	RESERVOIR EQUIVALENT ACRE-FOOT	AMERICAN FALLS ACRE-FOOT	JACKSON ACRE-FOOT	PALISADES ACRE-FOOT	RENTALS (2) ACRE-FOOT	OTHER RIGHTS ACRE-FOOT	TOTAL SUPPLY ACRE-FOOT
			1	1,945	3,859	4,115				3,060	(1) 1,097	4,957
			2	1,000	2,000	2,796	610	1,452	320	500		2,882
			3	1,000	2,000	32,461	11,328	6,467	22,500	350	(4) 7,821	48,486
			4	5,814	11,532	12,300	8,098	1,839	5,515	(1) 320		7,674
			5	78	155	165		10,238	3,888	2,225	(4) -7,821	16,626
			6	245	486	518			352	170	(1) 28	198
			7	46	91	97				300		652
			8	199	395	421			250	200		200
			9	0	0	0				400		650
			10	184	365	389						0
			11	15,927	31,854	33,897	10,912	10,839	12,831	400	(1) 9	409
			12	163	322	332				3,575	(5) 258	38,415
			13	6,042	11,984	12,783	2,403	3,213	10,790	340		340
			14	59	117	125				2,840	(1) 130	19,376
			15	16,030	31,792	33,917	8,618	9,635	18,441	50	(1) 63	113
			16	1,125	2,250	2,380		1,040	1,800	130		36,694
			17	75	149	159			800		(6) 200	930
			18	3,211	6,369	6,794		3,672	1,615		(7) -450	2,840
			19	4,790	9,501	10,134	3,508	4,765	6,048	2,060	(1) 60	350
			20	1,960	3,920	5,417	2,549	1,472	2,930			7,407
			21	756	1,500	1,599			4,700			14,321
			22	46	92	98						6,951
			23	241	478	510				230	(1) 4	4,700
			24	909	1,803	1,923			5,203	170	(1) 341	234
			25	225	446	476			2,252		(1) 35	511
			26	698	1,384	1,476	804	460	547		(8) 50	2,252
			27	14	28	30			105		(1) 105	1861
			28	97	192	205			1,410			210
			29	282	559	596			4,268			1,410
			30	215	426	454			1,130			4,268
			31	68	135	144				190		1,130
			32	49	97	103				200		200
			33	13,276	26,333	28,089	4,234	2,425	28,225	400	(1) 214	35,498
			34	8,325	16,512	17,613	13,043	7,693	15,250		(9) -4,000	31,986
			35	181	359	383	173	99			(1) 360	632
			36	19	38	41	18	11		20		49
			37	760	1,507	1,607	45	353	1,223	570	(10) 62	2,253
			38	27,063	53,679	57,258	22,911	13,230	58,800			94,941
			39	24,856	49,301	52,588	23,347	17,960	14,357	(11) 2,460	(12) 186	58,310
			40	2,968	5,897	6,279	1,820	2,420	2,981	150	(1) 18	7,389
			41	0	0	0					(1) 131	131
			42	4,402	8,731	9,313	5,486	3,141	1,544			10,171
			43	22,709	45,043	48,046	23,924	27,475	24,899	845	(1) 1,047	76,298
			44	894	1,774	1,892					(15) -3,902	1,892
			45	-1,844	-3,656	-3,902						-3,902
			46	183,586	364,139	388,410	143,829	129,919	255,579	18,775	-4,731	543,366
			47									
			48	9,127	18,103	19,310	(17) 46,708	7,370	4,050	(16) -19,811	(1) 19	26,916
			49	11,486	22,782	24,300	12,763		5,209			24,183
			50	2,423	4,806	5,126			8,007			5,209
			51	20,212	40,090	42,763	19,431	18,474	55,948		(13) -55	45,912
			52	71,765	142,344	151,834	50,440	67,936	6,300			174,269
			53	3,462	6,881	7,340	3,382	1,961	1,384		(3) -350	11,643
			54	327	649	692			2,180		(3) -1,300	1,034
			55	340	674	719		758	3,200		(3) -500	880
			56	2,124	4,211	4,494	1,314		600		(3) -224	5,272
			57	32	63	67			1,710		(14) 224	100
			58	526	1,043	1,113						1,486
			59	106	210	224						224
			60									
			61	121,937	241,858	257,982	134,038	96,499	88,588	-19,811	-2,186	297,128
			62									
			63	40	79	79			36,786		(1) 79	79
			64	0	0	0	(17) 0		29,737			36,786
			65	10,388	20,504	20,804	(18) 13,300	173,385	44,354		(19) 13,603	43,057
			66	260,544	517,575	523,066	219,132				(1) 157	588,354
			67	79	157	157			57,654			157
			68	26,791	53,139	53,468	43,183					100,837
			69	179,110	355,259	365,259	356,930	70,902	(20) 64,600			356,930
			70	262,398	520,469	523,296	(20) 34,548	48,761				570,050
			71	97,215	192,823	194,198	151,185		(21) 19,233	100		199,946
			72	27,395	54,397	54,762	41,455					80,788
			73	6,508	13,107	13,107	(22) 44,360		71			44,360
			74				(23) 5,000				(23) 30,343	171
			75				(24) 5,000	519,446	(25) 596,717	2,124	157,162	35,343
			76									2,862,409

PLATE NO. 14

NOTES

- (1) FROM PALISADES WATER USERS, INC.
- (2) RENTED FROM WATER DISTRICT NO. 36
- (3) RENTED TO WATER DISTRICT NO. 36
- (4) TRANSFER FROM ENTERPRISE TO PROGRESSIVE
- (5) 58 A.F. FROM PALISADES WATER USERS; 200 A.F. FROM EAST LABELLE
- (6) TRANSFER FROM EAST LABELLE
- (7) 200 A.F. TO HARRISON; 200 TO LOWDER; 50 TO DILTS
- (8) 50 A.F. FROM EAST LABELLE
- (9) RENTED 2,000 A.F. TO NEW SWEDEN; 2,000 TO WATER DISTRICT NO. 36
- (10) TRANSFER FROM NEWSWEDEN TO KENNEDY
- (11) RENTED 2,000 A.F. FROM OSGOOD; 460 FROM WATER DISTRICT NO. 36
- (12) 248 A.F. FROM PALISADES WATER USERS; TRANSFERRED 62 TO KENNEDY
- (13) TRANSFER TO AMERICAN FALLS PUMP FROM ABERDEEN
- (14) TRANSFER FROM WATSON TO PARSONS
- (15) CREDITED TO W.D. 36 FROM PENALTY ON STORED NORMAL FLOW
- (16) RENTED 2,480 A.F. FROM W.D. 36; RENTED 22,291 TO W.D. 36
- (17) TRANSFER FROM MICHAUD DIVISION TO RESERVATION
- (18) RENTED 5,000 A.F. TO F.M. DIST.; 5,000 TO W.D. 36
- (19) LAKE WALCOTT 88,500; GAIN NEELEY TO MILNER 43,053
- (20) WINTER WATER SAVING INCLUDES 36,800 A.F. IN AMERICAN FALLS; 64,600 IN PALISADES
- (21) 14,955 A.F. FROM OWNED SPACE; 4,278 FROM RESERVED SPACE
- (22) 45,000 A.F. LESS 640 A.F. OVERDRAFT IN 1960
- (23) 22,291 A.F. FROM U.S. INDIAN SERVICE; 5,000 FROM FALLS IRRIGATION DIST; 1,300 FROM DANSKIN; 500 FROM WEARYRICK; 350 FROM RIVERSIDE; 2,000 FROM IDAHO SUGAR CO.; 3,902 FROM 10% PENALTY ON STORED NORMAL
- (24) DOES NOT INCLUDE 5,000 A.F. ALLOTTED TO FALLS IRRIGATION DIST. AND RENTED TO F.M. DIST.
- (25) DOES NOT INCLUDE 600 A.F. CARRYOVER OF WEST SIDE MUTUAL; 3,380 TO CITY OF POCAHELLO; 585 TO WESTVACO; 5,138 TO PALISADES WATER USERS

TIME INTERVAL BETWEEN GAGING STATIONS ON SNAKE RIVER

Plate No. 15

TIME CLOUGH TO RUEGAR = 12 HRS
RUEGAR TO MINIDOKA = 8 HRS
MINIDOKA TO MILNER = 12 HRS

Moran to Heise - Disch at Heise

Heise to Shelley - Disch at Shelley

Shelley to Cloughs - Disch at Shelley

TIME INTERVAL IN HOURS

Checked by _____ Date _____

[illegible]

1951 4 24

TETON RIVER CANALS									
WILFORD	12	12	12	12	12	12	12	12	12
STANTHONY UNION FEEDER	87	87	87	87	87	87	87	87	87
INDEPENDENT	204	174	158	158	91	68	65	148	194
CONSOLIDATED FARMERS	201	201	204	207	158	158	158	171	171
TOTAL STANTHONY TO REXBURG	879	756	762	695	588	578	543	683	722
TETON RIVER CANALS									
WILFORD	12	12	12	12	12	12	12	12	12
STANTHONY UNION FEEDER	87	87	87	87	87	87	87	87	87
INDEPENDENT	204	174	158	158	91	68	65	148	194
CONSOLIDATED FARMERS	201	201	204	207	158	158	158	171	171
TOTAL STANTHONY TO REXBURG	879	756	762	695	588	578	543	683	722

HENRYS FORK CANALS									
DEWEY	16	16	10	12	0	0	0	0	0
LAST CHANCE	66	66	66	61	70	59	59	59	59
CROSS CUT	281	328	324	373	383	389	374	361	354
STANTHONY UNION	491	491	481	485	476	491	496	498	498
FARMERS FRIEND	0	32	38	44	42	27	33	26	22
TWIN GROVES	134	128	130	27	16	14	6	0	0
SALEM UNION	252	252	251	135	117	137	135	164	166
TOTAL ASHTON TO STANTHONY	1246	1313	1306	1143	1104	1043	1017	1031	1050
EGIN	387	294	314	244	270	284	292	312	298
STANTHONY UNION FEEDER	87	87	86	86	89	88	48	46	45
INDEPENDENT	204	174	158	158	91	68	65	148	194
CONSOLIDATED FARMERS	201	201	204	207	158	158	158	171	171
TOTAL STANTHONY TO REXBURG	879	756	762	695	588	578	543	683	722

TOTAL ABOVE SQUIRREL									
FARMERS OWN	187	201	194	182	191	186	184	183	194
ENTERPRISE	4	4	4	4	4	4	4	4	4
BELL	141	146	146	145	151	141	142	140	139
FALL RIVER	5	6	5	6	7	7	7	6	5
MC BEE	182	182	178	178	185	178	178	181	182
CHESTER	0	0	0	4	4	3	4	3	3
SILKEY	17	16	16	16	16	15	16	15	16
CURR	45	46	45	44	42	41	41	32	32
TOTAL SQUIRREL TO CHESTER	464	464	457	460	475	460	452	436	433

TETON RIVER CANALS									
WILFORD	12	12	12	12	12	12	12	12	12
STANTHONY UNION FEEDER	87	87	87	87	87	87	87	87	87
INDEPENDENT	204	174	158	158	91	68	65	148	194
CONSOLIDATED FARMERS	201	201	204	207	158	158	158	171	171
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TETON RIVER CANALS									
WILFORD	12	12	12	12	12	12	12	12	12
STANTHONY UNION FEEDER	87	87	87	87	87	87	87	87	87
INDEPENDENT	204	174	158	158	91	68	65	148	194
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WILFORD	12	12	12	12	12	12	12	12	12
STANTHONY UNION FEEDER	87	87	87	87	87	87	87	87	87
INDEPENDENT	204	174	158	158	91	68	65	148	194
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TETON RIVER CANALS									
WILFORD	12	12	12						

WARTSVILLE	113	119	115	113	0	126	123	125	11	137	158	129	122	114	112	112	115	118	4	114	114	107	96	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92
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WELLSVILLE		HENRYS FORK CANALS																			
TOTAL ABOVE SQUIRREL		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
FARMERS OWN		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
A.M.V.		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
ENTERPRISE		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
BELL		94	100	92	92	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
FALL RIVER		64	97	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
MC BEE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHESTER		2	2	11	11	9	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7
SILKEY		28	30	30	30	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
CURR		28	30	30	30	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
TOTAL SQUIRREL TO CHESTER		202	239	241	240	198	203	226	236	240	204	204	204	204	204	204	204	204	204	204	204

DEWEY		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAST CHANGE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GROSS CUT		0	271	226	226	222	183	148	132	136	101	102	85	119	104	100	93	103	124	103	84
ST. ANTHONY UNION		373	337	320	316	258	308	321	321	321	321	321	321	321	321	321	321	321	321	321	321
FARMERS FRIEND		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TWIN GROVES		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SALEM UNION		112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL ASHTON TO ST. ANTHONY		485	608	546	542	480	491	463	453	419	442	443	326	356	341	317	312	310	320	343	360
EGIN		217	186	182	189	180	184	177	180	180	139	139	138	122	116	122	122	108	108	108	108
ST. ANTHONY UNION FEEDER		109	109	110	110	111	120	120	120	114	117	116	119	112	111	111	111	109	109	88	88
INDEPENDENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONSOLIDATED FARMERS		118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL ST. ANTHONY TO REXBURG		444	295	292	299	291	304	297	300	294	256	255	257	234	227	233	304	298	296	296	275
TOTAL RIVER CANALS		8921	1119	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58

SIDOWAY	4	6	7	12	7	1	8	1	9	4	6	4	3	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
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DATE	HENRYS LAKE CONTENTS ACRE-FEET	HENRYS FORK NEAR LAKE			STORED LOSS LAKE TO ISLAND PARK	STORED DIVERSIONS ABOVE ISLAND PARK	F.M. DIST. SHERIDAN CREEK RIGHT	STORED INLOW TO ISLAND PARK RESERVOIR	DATE	ISLAND PARK RESERVOIR CONTENTS ACRE-FEET	HENRYS FORK NEAR ISLAND PARK			ISLAND PARK TO ASHTON STORED LOSS	STORED DIVERSIONS	DATE	HENRYS FORK NEAR ASHTON		
		STORED	NORMAL	TOTAL							STORED	NORMAL	TOTAL				STORED	NORMAL	TOTAL
JUNE 3																			
4																			
5																			
6								12	12	6			653						1,560
7								12	12	7			689						1,560
8								12	12	8			653						1,480
9								12	12	9			626	626					1,500
10								12	12	10	60	550	610	2			58	1,302	1,380
11								12	12	11	49	530	579	1			48	1,302	1,380
12								12	12	12	38	520	558	1			37	1,293	1,330
13								12	12	13	42	500	542	1			41	1,293	1,340
14								12	12	14	51	480	531	1			50	1,293	1,260
15								12	12	15	46	450	496	1			45	1,265	1,300
16								12	12	16	197	440	637	5			192	1,265	1,450
17								12	12	17	414	440	854	10			404	1,265	1,610
18								12	12	18	444	440	884	11			433	1,197	1,530
19								12	12	19	456	440	896	11			445	1,205	1,680
20	61,300	8	10	18	0			12	20	20	558	440	998	14			544	1,168	1,710
21		8	10	18	0			12	20	21	650	420	1,070	16			634	1,196	1,830
22		8	10	18	0			12	20	22	690	400	1,090	17	3	22	670	1,127	1,790
23		8	10	18	0	5		12	14	23	760	400	1,160	19	3	23	738	1,222	1,920
24		8	10	18	0	5		12	15	24	980	390	1,370	26	3	24	953	1,261	2,240
25		9	10	19	0	5		12	15	25	1,110	380	1,490	28	3	25	1,079	1,205	2,280
26		9	10	19	0	5		12	16	26	1,090	370	1,460	27	3	26	1,080	1,185	2,240
27		9	10	19	0	5		12	16	27	1,080	370	1,450	27	3	27	1,050	1,205	2,260
28		11	9	20	0	5		12	18	28	1,070	370	1,440	27	3	28	1,040	1,165	2,200
29		11	9	20	0	5		12	18	29	1,070	370	1,440	27	3	29	1,040	1,165	2,200
30		11	9	20	0	5		12	17	30	1,080	360	1,440	27	3	30	1,050	1,165	2,160
JULY 1		11	9	20	0	5		12	19	30	1,110	360	1,470	28	3	JULY 1	1,079	1,165	2,260
2		12	9	21	0	5		12	19	JULY 1	1,160	360	1,520	29	3	2	1,128	1,132	2,260
3		13	9	22	0	5		12	16	2	1,180	360	1,540	30	3	3	1,147	1,132	2,280
4		14	8	22	0	10		12	16	3	1,180	360	1,540	30	3	4	1,147	1,132	2,340
5		15	8	23	0	10		12	16	4	1,180	360	1,540	30	3	5	1,147	1,132	2,380
6	60,200	74	8	82	3	10		12	73	5	1,340	360	1,700	34	3	6	1,303	1,128	2,430
7		122	8	130	5	10		12	119	6	1,240	360	1,600	31	3	7	1,206	1,104	2,310
8		117	8	125	5	10		12	114	7	1,160	360	1,520	29	3	8	1,128	1,104	2,230
9		114	7	121	4	15		10	106	8	940	360	1,300	24	3	9	913	1,104	2,017
10	59,200	114	7	121	5	15		10	104	9	940	360	1,300	24	3	10	913	1,104	2,017
11		112	7	119	4	15		10	103	10	940	360	1,300	24	3	11	913	1,104	2,017
12		110	7	117	5	15		10	100	11	940	360	1,300	24	3	12	911	1,104	2,017
13		108	7	115	4	15		10	99	12	1,050	360	1,410	26	5	13	1,019	1,104	2,123
14		126	6	132	6	15		10	116	13	1,130	360	1,490	28	5	14	1,097	1,104	2,201
15	58,400	143	6	149	6	15		10	132	14	1,210	360	1,570	30	5	15	1,175	1,104	2,279
16		149	6	155	6	15		10	138	15	1,240	360	1,600	31	5	16	1,204	1,104	2,308
17		149	6	155	6	15		10	142	16	1,350	360	1,710	34	5	17	1,311	1,104	2,415
18		147	6	153	6	15		10	138	17	1,400	360	1,760	35	5	18	1,360	1,104	2,464
19		147	6	153	6	15		10	138	18	1,400	360	1,760	35	5	19	1,360	1,104	2,464
20		147	6	153	6	15		10	136	19	1,390	360	1,750	35	5	20	1,350	1,104	2,454
21		146	5	151	6	15		10	136	20	1,380	360	1,740	34	5	21	1,341	1,104	2,445
22		142	5	147	6	15		10	136	21	1,380	360	1,740	32	5	22	1,283	1,104	2,387
23		139	5	144	6	15		10	135	22	1,240	420	1,660	31	5	23	1,204	1,104	2,308
24		139	5	144	6	15		10	131	23	1,220	440	1,660	30	5	24	1,185	1,104	2,289
25		141	5	146	6	15		10	128	24	1,160	440	1,600	29	5	25	1,126	1,104	2,230
26	62,500	139	5	144	6	15		10	128	25	1,060	450	1,510	27	5	26	1,028	1,104	2,132
27		139	5	144	6	15		10	128	26	980	460	1,440	24	5	27	951	1,104	2,055
28		139	5	144	6	15		10	128	27	980	460	1,440	24	5	28	951	1,104	2,055
29		139	5	144	6	15		10	128	28	900	460	1,360	22	5	29	873	1,104	1,977
30		139	5	144	6	15		10	128	29	730	460	1,190	18	5	30	707	1,104	1,811
31		139	5	144	6	15		10	128	30	730	460	1,190	18	5	31	707	1,104	1,811
AUG 1		139	5	144	6	15		10	128	31	720	460	1,180	18	5	AUG 1	698	1,104	1,802
		139	5	144	6	15		10	128		720	460	1,180	18	5	2	698	1,104	1,802

HENRYS FORK - DAILY SEGREGATION OF FLOW 1961

24 HOUR SECOND- FEET EXCEPT AS NOTED

G R K T O N	BRASSY LAKE STORAGE RELEASE ①	STORED DIVERSIONS ASHTON TO ST ANTHONY	HENRYS FORK AT ST. ANTHONY			STORED DIVERSIONS ST. ANTHONY TO REXBURG		DATE	HENRYS FORK NEAR REXBURG		
			STORED	NORMAL	TOTAL	HENRYS FORK	TETON RIVER		STORED	NORMAL	TOTAL
		7	-7	2,187	2,180			JUNE 2	-7	1,917	1,910
		8	-8	2,278	2,270			3	-8	2,108	2,100
		18	-18	2,198	2,180			4	-18	2,148	2,130
1,560		16	-16	2,116	2,100			5	-16	2,126	2,110
1,550		16	-16	2,136	2,120			6	-16	2,036	2,020
1,480		16	-16	2,096	2,080			7	-16	1,866	1,850
1,500		16	-16	2,016	2,000			8	-16	1,826	1,810
1,400		16	-16	1,956	1,940			9	-16	1,876	1,860
1,360		14	-14	1,894	1,880			10	-14	1,794	1,770
1,380		14	44	1,796	1,840			11	44	1,776	1,820
1,330		14	34	1,796	1,830			12	34	1,656	1,690
1,340		12	25	1,575	1,600			13	25	1,595	1,620
1,260		5	36	1,424	1,460			14	36	1,404	1,440
1,300		5	45	1,125	1,170			15	45	1,075	1,120
1,450		0	45	985	1,030			16	45	911	956
1,010		7	185	845	1,030			17	185	753	938
1,630		10	394	686	1,080			18	394	508	902
1,680		21	412	648	1,060			19	412	466	878
1,730		146	299	663	962		73	20	226	582	808
1,830		151	393	593	986		122	21	271	531	802
1,790		231	403	627	1,030		127	22	276	584	860
1,980		169	501	473	974		50	23	451	346	797
2,240		167	571	415	986		40	24	531	261	792
2,280		143	810	330	1,140		182	25	628	286	914
2,240		160	919	301	1,220		76	26	843	65	908
2,260		163	897	213	1,110		63	27	834	32	866
2,200		658	392	698	1,090		67	28	325	494	819
2,200		526	514	546	1,060	28	70	29	416	359	775
2,200		532	508	572	1,080	348	96	30	74	646	720
2,180		512	538	472	1,010	300	96	JULY 1	142	568	710
2,280		514	565	515	1,080	205	97	2	263	468	731
2,260		542	586	474	1,060	181	124	3	281	477	758
2,280		539	608	462	1,070	176	94	4	339	476	814
2,340		546	601	629	1,230	165	149	5	287	883	1,170
2,380		758	389	1,011	1,400	149	106	6	134	1,246	1,380
2,550		750	553	997	1,550	128	226	7	201	1,199	1,400
2,720		658	548	792	1,340	123	203	8	222	888	1,110
2,140		632	496	714	1,210	257	96	9	143	807	950
2,020		666	247	823	1,070	297	76	10	128	979	848
2,060		657	286	804	1,060	288	101	11	133	926	792
2,100		664	249	761	1,010	279	99	12	129	875	748
2,080		719	192	770	962	303	141	13	252	912	660
2,280		794	225	785	1,010	343	222	14	340	1,030	690
2,360		799	298	712	1,010	316	191	15	209	879	670
2,420	80	811	424	636	1,060	340	185	16	101	796	695
2,440	95	816	483	597	1,080	302	270	17	89	794	705
2,530	100	711	700	520	1,220	225	274	18	201	623	824
2,580	100	800	660	560	1,220	249	290	19	121	703	824
2,530	110	799	671	529	1,200	225	281	20	185	639	824
2,630	110	788	672	588	1,260	304	249	21	119	777	896
2,700	110	782	669	561	1,230	392	277	22	0	962	962
2,530	110	780	593	637	1,230	357	303	23	107	979	872
2,470	95	764	535	635	1,170	326	250	24	41	985	944
2,400	95	786	337	823	1,200	284	226	25	30	1,022	992
2,200	90	824	217	983	1,290	268	215	26	217	1,191	974
1,900	70	418	458	772	1,230	276	234	27	163	1,125	962
1,880	70	438	339	631	1,170	268	262	28	253	1,291	998
1,880	70	549	228	932	1,160	265	226	29	129	960	1,080
1,810	70	765	4	892	926	138	276	30	52	980	938
	70	755	54					31	181	1,173	992
								AUG 1	263	1,129	868
								2	377	1,135	758
								3	380	1,025	648

DATE	HENRYS LAKE CONTENTS ACRE- FEET	HENRYS FORK NEAR LAKE			STORED LOSS LAKE TO ISLAND PARK	STORED DIVERSIONS ABOVE ISLAND PARK	FURST DIVERSIONS ABOVE CREEK RIDGE
		STORED	NORMAL	TOTAL			
AUG 1		138	4	142	6	10	10
2		138	4	142	8	10	10
3	49,600	169	4	173	7	10	10
4		206	4	210	8	10	10
5		204	4	208	8	10	10
6		204	4	208	8	10	10
7		202	4	206	8	10	10
8		198	4	202	8	10	10
9		193	4	197	8	10	10
10	46,700	193	4	197	9	10	10
11		194	5	199	7	10	10
12		194	5	199	8	10	10
13		194	5	199	8	10	10
14		194	5	199	8	10	10
15		194	5	199	7	10	10
16		197	5	202	8	10	10
17		197	5	202	7	10	10
18		194	5	199	8	10	10
19		194	5	199	6	10	10
20	42,500	192	5	197	7	10	10
21		190	5	195	8	10	10
22		192	5	197	7	10	10
23		190	5	195	8	10	10
24		188	5	193	7	10	10
25		186	5	191	7	10	10
26	40,000	184	5	189	7	10	10
27		184	5	189	7	10	10
28		184	5	189	7	10	10
29		182	5	187	7	10	10
30		182	5	187	7	10	10
31		180	5	185	7	10	10
SEPT 1		178	5	183	7	10	10
2		174	5	179	7	10	10
3		170	5	175	7	10	10
4		168	5	173	7	10	10
5		164	5	169	7	10	10
6		155	10	165	6	10	10
7		155	10	165	6	10	10
8		146	15	161	6	10	10
9		146	15	161	6	10	10
10		137	20	157	5	10	10
11		135	20	155	5	10	10
12	36,500	63	20	83	2		
13							
14							
15							
16							
17							
18							
TOTAL		11,634			466	742	10

① LISTED HERE ONE DAY LATER THAN AT RESERVOIR

HENRYS FORK ISLAND PARK		ISLAND PARK TO ASHTON		DATE	HENRYS FORK NEAR ASHTON			GRASSY LAKE STORAGE RELEASE (1)	STORED DIVERSIONS ASHTON TO ST. ANTHONY	HENRYS FORK AT ST. ANTHONY			STORED DIVERSIONS ST. ANTHONY TO REXBURG		DATE	HENRYS FORK NEAR REXBURG		
NORMAL	TOTAL	STORED LOSS	STORED DIVERSIONS		STORED	NORMAL	TOTAL			STORED	NORMAL	TOTAL	HENRYS FORK	TETON RIVER		STORED	NORMAL	TOTAL
460	1,170	18	3	AUG. 3	689	1,191	1,880	70	812	- 53	991	938	211	227	AUG. 4	- 491	1,151	660
460	1,270	20	3	4	787	1,233	2,020	70	831	20	1,004	1,030	403	217	5	- 594	1,342	748
460	1,350	22	3	5	865	1,255	2,120	70	893	242	878	1,120	364	217	6	- 339	1,114	775
460	1,350	22	3	6	865	1,195	2,080	70	817	118	972	1,080	367	221	7	- 470	1,324	854
460	1,330	20	3	7	767	1,413	2,180	70	773	64	1,296	1,360	351	228	8	- 613	1,833	1,120
460	1,330	20	3	8	777	1,323	2,100	70	682	165	1,265	1,430	395	209	9	- 438	1,728	1,290
460	1,300	20	3	9	767	1,293	2,060	70	636	201	1,259	1,460	353	176	10	- 328	1,678	1,350
460	1,300	20	3	10	767	1,233	2,000	70	567	270	1,170	1,440	279	185	11	- 174	1,564	1,380
460	1,290	20	3	11	777	1,203	1,980	70	501	346	1,094	1,440	242	164	12	- 50	1,410	1,360
460	1,290	20	3	12	777	1,183	1,960	70	459	388	952	1,340	230	160	13	- 2	1,262	1,260
460	1,280	20	3	13	787	1,173	1,960	70	431	426	824	1,250	267	111	14	- 48	1,202	1,250
460	1,280	20	3	14	777	1,243	2,020	70	462	385	905	1,290	282	97	15	- 6	1,264	1,280
460	1,210	18	3	15	777	1,183	1,960	70	465	382	878	1,280	318	98	16	- 31	1,241	1,210
460	1,160	17	2	16	709	1,191	1,900	65	341	438	792	1,230	318	61	17	- 59	1,131	1,190
460	1,160	18	0	17	671	1,209	1,880	65	468	268	932	1,200	302	44	18	- 78	1,198	1,120
460	1,160	18	0	18	682	1,198	1,880	65	451	296	884	1,180	288	42	19	- 34	1,114	1,080
460	1,150	17	0	19	682	1,148	1,830	65	442	305	855	1,150	298	64	20	- 57	1,087	1,030
460	1,140	17	0	20	682	1,178	1,860	65	426	321	849	1,170	204	70	21	- 47	1,013	1,060
460	1,130	17	0	21	673	1,187	1,860	65	428	310	870	1,180	319	73	22	- 82	1,112	1,030
460	1,130	17	0	22	663	1,217	1,880	65	412	318	854	1,170	293	56	23	- 33	1,063	1,030
460	1,130	17	0	23	653	1,207	1,860	65	448	270	860	1,130	278	47	24	- 55	1,023	958
460	1,130	16	0	24	653	1,247	1,900	65	446	272	858	1,130	290	91	25	- 109	1,083	974
460	1,110	16	0	25	634	1,266	1,900	65	465	234	876	1,110	288	85	26	- 139	1,139	1,000
460	1,110	15	0	26	604	1,276	1,880	65	440	229	971	1,200	299	69	27	- 139	1,229	1,090
460	1,110	14	0	27	575	1,285	1,880	65	491	149	1,081	1,230	260	116	28	- 227	1,437	1,210
460	980	11	0	28	566	1,274	1,840	65	449	182	1,158	1,340	118	57	29	- 7	1,303	1,310
460	932	10	0	29	429	1,121	1,550	65	436	58	1,112	1,170	118	68	30	- 128	1,102	1,130
460	992	11	0	30	382	1,278	1,660	65	408	39	1,101	1,140	118	93	31	- 172	1,362	1,190
460	992	11	0	31	441	1,259	1,700	65	298	208	1,122	1,330	131	58	SEPT. 1	- 19	1,361	1,380
460	922	11	0	1	441	1,259	1,700	65	215	291	1,109	1,400	135	36	2	- 120	1,260	1,380
460	986	11	0	2	425	1,275	1,700	65	222	268	1,132	1,400		119	3	- 149	1,371	1,520
460	974	11	0	3	413	1,287	1,700	65	213	265	1,235	1,500		125	4	- 140	1,440	1,580
460	968	10	0	4	408	1,292	1,700	65	222	251	1,269	1,520		149	5	- 102	1,508	1,610
460	962	10	0	5	402	1,228	1,630	65	201	266	1,234	1,500		87	6	- 179	1,341	1,520
460	878	8	0	6	320	1,150	1,470	65	209	176	1,184	1,360		75	7	- 101	1,319	1,420
460	836	7	0	7	279	1,221	1,500	29	207	101	1,229	1,330		76	8	- 25	1,365	1,390
460	830	7	0	8	273	1,207	1,480	0	227	46	1,254	1,300		44	9	- 2	1,378	1,380
460	830	7	0	9	273	1,207	1,480	0	228	45	1,245	1,290		68	10	- 23	1,563	1,540
460	772	6	0	10	216	1,114	1,330	0	237	- 21	1,391	1,870		34	11	- 55	1,625	1,570
460	605	1	0	11	54	1,136	1,190	0	227	- 173	1,433	1,260		24	12	- 197	1,837	1,640
460	579	1	0	12	28	1,162	1,190	0	222	- 194	1,524	1,430		30	13	- 224	1,914	1,690
460	579	0	0	13	18	1,072	1,090	0	81	- 63	1,293	1,230		29	14	- 92	1,682	1,590
460	558	0	0	14	0	1,080	1,080	0	28	- 28	1,248	1,220		17	15	- 45	1,605	1,560
460	536	0	0	15			1,050	0	6	- 6	1,176	1,170		9	16	- 15	1,455	1,440
460	491	0	0	16				0	6	- 6	1,166	1,160			17	- 6	1,436	1,430
460	471	0	0	17				0	6	- 6	1,166	1,160			18	- 6	1,466	1,460
460	481	0	0	18				0	6	- 6	1,186	1,180			19	- 6	1,616	1,610
460	456	0	0	19				0	6	- 6	1,426	1,420			20	- 6	1,856	1,850
				20				0	0	- 0	1,300	1,300			21	- 0	1,920	1,920
													17,318	12,070		688		
		1,815	210			70,584		4,079	44,387	30,276								

DAY LATER THAN AT RESERVOIR

NAME OF CANAL	NO.	JUNE																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
USERS ABOVE ISLAND PARK DAM	1																														
MISCEL. ISLAND PARK TO ASHTON	2																						5	5	5	5	5	5	5	5	10
MISCEL. ASHTON TO ST. ANTHONY	3																					3	3	3	3	3	3	3	3	3	3
MISCEL. FALL RIVER	4																														
OSWANT CREEK CANAL	5																														
BOON CREEK CANAL	6																														
SQUIRREL CREEK CANAL	7																														
YELLOWSTONE	8																														
MARYSVILLE	9																														
FARMERS OWN	10																														
ARMY	11																														
ENTERPRISE	12	7	8	18	16	16	16	16	16	14	14	14	12	5	5	0	7	8	4	142	150	145	146	144	141	158	146	146	129	138	138
BELL	13																														
FALL RIVER CANAL	14																														
CHESTER	15																														
SILKEY	16																														
CUR	17																														
DEWEY	18																														
LAST CHANCE	19																														
ST. ANTHONY UNION	20																														
FARMERS FRIEND	21																														
TWIN GROVES	22																														
SALEM UNION	23																														
TOTAL ASHTON TO ST. ANTHONY	24	7	8	18	16	16	16	16	16	14	14	14	12	5	5	0	7	10	21	146	151	231	169	167	143	160	163	659	526	532	512
EBER	25																														
INDEPENDENT	26																														
CONSOLIDATED FARMERS	27																														
BORESEN	28																														
TOTAL ST. ANTHONY TO REXBURG	29																														

- ① RENTED FROM FREMONT-MADISON DISTRICT
- ② RENTED FROM WATER DISTRICT 36
- ③ TRANSFER 130 A.F. FROM FARMERS OWN, 184 305 FROM YELLOWSTONE
- ④ INDIAN LAKE & BERGMAN RESERVOIR

STORAGE DIVERSIONS ON HENRYS FORK A

24 HOUR SECOND- FEET EXCEPT AS NOTED

JULY

[illegible]

- ⑤ TRANSFER 305 A.F. TO MARYSVILLE, 120 FROM INDIVIDUAL RIGHTS
- ⑥ TRANSFER TO MARYSVILLE
- ⑦ JACKSON LAKE 5,294 A.F.; AMERICAN FALLS 9,240
- ⑧ TO CONSOLIDATED FARMERS

- (9) RENTED 1,951 A.F. FROM FREMONT-MADISON DISTRICT; 1,207 FROM WATER DISTRICT 36
- (10) TRANSFER 225 A.F. FROM REXBURG IRRIGATION; 250 FROM FARMERS
- (11) TRANSFER 200 A.F. FROM REXBURG IRRIGATION; 100 FROM SIDDOWAY; 75 FROM TWIN GROVES; 690 FROM ST. ANTHONY UNION
- (12) TRANSFER 2,000 A.F. TO INDEPENDENT; 690 TO LAST CHANCE

NOTED

AUGUST

SEPTEMBER

(13) TRANSFER 94 A.F. TO TWIN GROVES; 400 TO WILFORD; 250 TO DEWEY
(14) TRANSFER 75 A.F. TO LAST CHANCE; 180 FROM FARMERS FRIEND
(15) RENTED 700 A.F. FROM W.D. 36; 5 FROM FREMONT-MADISON DISTRICT
(16) TRANSFER 25 A.F. FROM PINCOCK-GARNER; 250 FROM WILFORD; 300 FROM REYBURG
IRRIGATION; 100 FROM TETON IRRIGATION; 50 FROM WOODMANSEE-JOHNSON;
55 FROM GOOD LUCK

- (17) TRANSFER 150 A.F. TO INDEPENDENT
(18) RENTED 300 A.F. FROM FREMONT-MADISON DISTRICT, 1,300 FROM W.D. 36
(19) TRANSFER 2,000 A.F. FROM ST. ANTHONY UNION, 150 FROM EGIN
(20) PALISADES RESERVOIR

- (21) TRANSFER FROM
(22) TRANSFER FROM
(23) TRANSFER FROM
(24) TRANSFER FROM

SEPTEMBER																				NO.	TOTAL		RESERVOIR ALLOTMENTS IN ACRE-FEET					TOTAL	HEADGATE EQUIVALENT
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	SECOND- FEET		ACRE- FEET	FREMONT MADISON	HENRYS LAKE	OTHER RESERVOIR	RENTALS				
																				1	747	1,482	1,007		(20) 118	(2) 400	1,523	1,480	
																				2	210	416	427				427	416	
																				3	108	214	219				219	214	
																				4	107	212	217				217	212	
																				5	632	1,254	1,201		(6) -164	(1) 300	1,337	1,304	
																				6	152	301	98			(2) 200	298	291	
4	4	4	4	4	3	2	2	3	3	3	3	2	0							7	375	744	168		(4) 389	(2) 200	757	738	
																				8	513	1,018	1,129		(5) -185	(1) 80	1,024	998	
0																				9	8,521	16,901	13,431		(3) 599	(3) 3,158	17,188	16,758	
																				10	2,828	5,609	5,577		(6) -130	(1) 415	5,862	5,715	
100	52	92	100	100	104	108	108	104	104	104	52	0								11	64	127	55		(21) 80		135	132	
4	4	4	4	4	4	0														12	10,826	21,473	7,293		(7) 14,538		21,831	20,740	
111	101	110	84	93	87	110	89	103	93	87	0									13	79	157	96		(21) 63		159	158	
1	10	10	8	7	7	6	6	6	6	6	6	6	6	6	6	6	6	0		14	3,251	6,448	5,688		(8) -50	(1) 595	6,233	6,077	
2	2	2	1	1	2	1	1	1	1	1	0									15	531	1,053	1,100		(22) -119	(2) 100	1,081	1,054	
																				16	172	341	360				360	351	
																				17	81	161	34				34	33	
																				18	740	1,468	433	361	10 475		1,269	1,223	
																				19	3,290	6,526	1,396	3,497	11 1,065	(2) 700	6,658	6,355	
																				20	484	960	2,417	1,714	12 -2,690		1,441	1,255	
																				21	1,795	3,560	3,982		13 -744	(1) 504	3,742	3,648	
							0	22	20	20	21	20	20	0						22	2,243	4,449	4,148		(14) 85	(1) 250	4,483	4,371	
																				23	7,595	15,064	5,410	6,101	(16) 790	(15) 705	13,006	12,443	
222	213	222	201	209	207	227	228	237	227	222	81	28	6	6	6	6	6	0		24	44,387	88,040	54,452	11,673	14,002	7,207	87,334	84,067	
0																				25	1,589	3,152	1,713	1,714	(17) -150		3,277	3,128	
0																				26	9,627	19,095	6,789	6,756	(19) 2,150	(18) 1,600	17,295	16,599	
																				27	6,102	12,103	3,998	5,067	(24) 547	(23) 600	10,212	9,759	
																				28	0	0					0		
0																				29	17,318	34,350	12,500	13,537	2,547	2,200	30,784	29,486	

(17) TRANSFER 150 A.F. TO INDEPENDENT

(18) RENTED 300 A.F. FROM FREMONT-MADISON DISTRICT, 1,300 FROM W.D. 38

(21) TRANSFER FROM CHESTER

(22) TRANSFER 80 A.F. TO ALMY, 63 TO BELL, 24 FROM INDIVIDUALS

CANAL	NO.	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
TRAIL CREEK IRRIGATION CO. STRING CANAL	1																																
FOX CREEK CANALS	2					5	20	3	0																								
DARRY CREEK CANALS	3					45	38	23	23	24	24				0	37	34	34	24	24	31	46	44	35	38	42	40	40	40	40	40	44	40
TETON CREEK CANALS	4											10	4	4	2	2	6	7	4	4	4	6	4	2	1	4	2	2	2	1	1	34	2
SOUTH LEIGH CREEK CANALS	5																																
NORTH LEIGH CREEK CANALS	6				78	99	92	0																									
SPRING CREEK CANALS	7				40	40	30	20	20	20											0	103	71	0									
HORSESHOE, SWAMPS, MISC.	8													16	25	26	20	14	0														
	9													14	28	16	14	14	0														
														5	5	5	5	5	5	5	5	4	4	4	2								
															3	3	3	3	4	4	4	4	3	3	3	3	4	3	4	3	4	3	
TOTAL IN TETON BASIN	10				118	189	180	46	43	44	24	10	4	39	63	89	82	77	37	37	44	163	126	44	44	49	46	45	46	44	45	81	75
EQUIVALENT AT ST. ANTHONY (15)	11					73	116	111	28	26	27	15	6	2	24	39	55	50	47	23	23	27	100	78	27	27	30	28	28	28	27	26	50
CANYON CREEK CANAL	12							13	11	9	20	19	19	19	18	16	16	16	14	14	13	12	12	12	12	12	12	11	10	9	8	7	7
TOTAL ABOVE ST ANTHONY GAGE	13					73	116	124	39	35	47	34	25	21	42	55	71	66	61	37	36	39	112	90	39	39	42	39	38	37	35	35	57
CROSS CUT INFLOW	14																																
TETON RIVER BELOW DIVERSIONS	15				54	158	137	128	133	119	96	93	89	75	57	117	84	74	56	85	162	165	208	203	215	217	196	189	192	187	168	233	230
					170	191	168	190	171	180	189	154	127	110	102	120	113	92	23	74	40	39	52	101	96	102	108	108	108	72	32	27	40
SIDDOWAY	16																																
TETON IRRIGATION	17							0	8	0						0	3	0															
WILFORD	18										58	0						11	20	21	19	22	32	25	21	18	18	16	10	23	10	18	
GOOD LUCK	19										9	0							0	2	2	4	3	2	2	1	1	1	2	2	2	2	
PIONEER	20																																
STEWART	21						3	0	0	3	19	8	2	0	6	0	5	4	5	4	6	4	6	3	3	5	15	19	4	17	2	4	
PINCOCK-BYINGTON	22										7	5	3	1	1	1	0											0	3	2	3	2	0
PINCOCK - BARNER	23										5	0						0	1	1	6	5	4	3	3	3	3	3	3	3	3	3	
BARNER	24						3	3	3	2	3	0																0	3	3	4	2	2
EAMES - THOMPSON	25										4	3	3	0														0	3	2	2	2	0
TETON ISLAND FEEDER	26																																
ROXANA	27																	1	1	1	1	1	0										
BIGLER	28										8	4	0	1	0																		
WOODMANSEE-JOHNSON	29																9	16	13	26	24	31	2	2	2	2	2	2	0	11	9	8	
ISLAND WARD	30										16	22	29	43	20	20	0	0	6	0	43	24	65	46	24	5	12	5	0				
REXBURG IRRIGATION	31										6	0						0	2	2	2	0											
MC DORMICK - ROWE	32													1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	
CITY OF REXBURG	33																																
MISCELLANEOUS	34																																
						6	3	11	5	135	42	38	46	28	31	25	31	63	57	113	67	114	113	57	37	59	60	103	185	156	150	113	
TOTAL BELOW ST ANTHONY GAGE	35										73	122	127	50	40	182	76	63	67	70	86	96	97	124	94	149	106	226	203	96	76	101	
TOTAL TETON RIVER	36																																

① RENTED FROM WATER DISTRICT NO. 38

RESERVOIR RIGHT - X 1.44

④ TRANSFER 600 A.F. TO TETON ISLAND 100 TO SALEM UNION

⑤ TRANSFER 250 A.F. TO SALEM UNION

⑥ TRANSFER TO SALEM UNION

① RENTED FROM WATER DISTRICT NO. 38

RESERVOIR RIGHT X 1.44

③ TRANSFER TO LAST CHANCE

④ TRANSFER 600 A.F. TO TETON ISLAND
100 TO SALEM UNION

(5) TRANSFER 250 A.F. TO SALEM UNION.

(6) TRANSFER TO SALEM UNION

1961

24 HOUR SECOND-FEET EXCEPT AS NOTED

AUGUST

(10) TRANSFER 397 A.F. TO CONSOLIDATED FARMERS
(11) TRANSFER 228 A.F. TO DEWEY; 200 TO LAST CHANCE; 300 TO SALEM UNION
(12) TRANSFER FROM WOODMANSEE-JOHNSON

(13) FROM PALISADES
(14) TRANSFER TO MARSH
(15) LINE 10 DIVIDED BY

SEPTEMBER																								NO	TOTAL		RESERVOIR ALLOTTMENT - ACRE-FEET					
27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	SECOND FEET		ACRE FEET	FREMONT MADISON	OTHER	RENTALS	TOTAL	HEADGATE EQUIVALENT		
30	27	27	29	29	30	31	31	29	26	26	26	26	26											1	2,322	4,606	2,245		972	3,217	②	4,532
18	14	14	16	16	18	18	18	16	16	16	0													2	1,358	2,694	1,125		746	1,871	②	2,694
																								3	0	0						
																								4	0	0						
																								5	443	879	616			616	③	887
																								6	271	538	484	⑭ - 25		459		661
2	2	0																						7	86	171	126			126	②	181
																								8	54	107	173	⑭ - 95		78		112
																								9	214	424	121		176	297		427
48	43	41	45	45	48	49	49	45	42	42	26	26	26											10	4,748	9,419	4,890	-120	1,894	6,664		9,594
30	30	26	25	28	28	30	30	30	28	26	26	16	16	16										11	2,915	5,782						
3	4	4	4	4	4	4	4	4	5	5	4	4	4	4	3	3	3	3	3	3	0			12	852	1,293	1,106		215	1,321		1,280
34	34	30	29	32	32	34	34	34	33	31	30	20	20	20	3	3	3	3	3	3	0			13	3,567	7,075	5,996	-120	2,109	7,985		10,874
263	140	104	175	76	0	236	194	217	145	167	123	102	113	110	111	93	102	83	79	76	72	72	14									
16	17	17	15	14	14	14	11	11	8	8	8	8	8	36	47	112	138	146	127	141	149	146	15									
																								16	86	171	300	⑭ - 100		200		177
																								17	11	22	874	⑭ - 825		49		43
15	3	3	11	1	0	21	15	18	8	10	9	0	2	14	18	26	25	14	6	0				18	1,119	2,220	1,520	⑭ - 150		1,970		1,241
					0	2	1	2	0															19	81	161	227	⑭ - 65		162		143
7	-6	-6	6	5	0		0	4	2	2	4	1	0											20	40	79	89			89		79
				0	3	9	8	8	0															21	220	436	288	⑭ - 125		413		365
																								22	35	69	177	⑭ - 100		77		68
																								23	172	341	300	⑭ - 25		275		243
																								24	41	81	66			66		58
																								25	43	85	82			82		72
																								26	3,589	7,119	5,847	⑭ - 1,100		6,947		6,141
																								27	59	117	517	⑭ - 397		120		106
																								28	26	52	42			42		37
																								29	287	569	1,036	⑭ - 574		462		408
																								30	1,366	2,709	2,461		300	2,761		2,440
																								31	1,093	2,168	3,155	⑭ - 725		2,430		2,148
																								32	21	42	70			70		62
																								33	49	97		⑭ - 74		74		65
																								34	165	327	356	⑭ - 1,010		1,366		1,208
																								35	8,903	16,865	17,707	-352	300	17,655		15,604
																								36	12,070	23,940	23,703	-472	2,409	25,640		26,478
92	23	38	64	26	4	85	91	115	54	44	46	24	48	14	21	27	26	14	6	0	0	0										
116	57	88	93	58	36	119	125	149	87	75	76	44	68	34	24	30	29	17	9	0	0	0										

⑭ TRANSFER 500 A.F. TO TETON ISLAND; 74 TO CITY OF REXBURG

TETON IRRIGATION, 500 FROM WOODMANSEE

WATER USERS

少壯如白毛，老耄

ONE DAY LAYER

(16) TRANSFER 500 A.F. TO TETON ISLAND; 74 TO CITY OF REXBURG
(17) TRANSFER 600 A.F. FROM TETON IRRIGATION; 500 FROM WOODMANSEE

OPERATION OF CROSS CUT CANAL DURING 1961

PLATE NO 23A

CROSS CUT CANAL DURING 1961																															PLATE NO. 23A				
LOCATION		24 HOUR SECOND-FEET																																	
		1	2	3	4	5	6	7	MAY																										
		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									
DIVERTED AT HEAD		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INFLOW FROM FALL RIVER CANAL		92	92	92	94	97	98	99	100	128	155	172	188	190	192	194	232	269	269	269	268	267	266	240	213	216	219	230	257	276	282	289	289	289	289
NORTH BRANCH DIVERSION		0	0	0	0	0	0	0	0	30	61	64	66	66	104	104	110	115	115	115	115	114	113	113	113	117	121	125	130	134	129	124	124	124	124
MIDDLE BRANCH DIVERSION		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BELOW FALL RIVER CANAL DIVERSIONS		0	0	0	14	29	32	34	36	40	44	44	43	43	44	44	79	114	115	116	116	56	56	96	135	140	146	145	144	144	144	144	144	144	144
CROSS CUT AT END		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0															

LOCATION	JUNE																														TOTAL	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
DIVERTED AT HEAD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INFLOW FROM FALL RIVER CANAL	286	320	286	293	293	306	306	320	320	320	320	192	197	194	189	186	186	155	135	135	129	116	112	100	85	80	59	18	18	18	18	18
NORTH BRANCH DIVERSION	124	136	124	124	124	136	131	132	132	132	132	131	131	132	132	132	134	136	129	128	130	130	127	126	124	127	131	126	129	125	125	125
MIDDLE BRANCH DIVERSION	143	142	142	141	132	131	130	111	110	110	110	93	92	91	91	104	124	122	111	110	110	116	118	110	109	103	89	118	114	114	114	114
BELOW FALL RIVER CANAL DIVERSIONS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CROSS CUT AT END	12	12	10	10	53	42	63	65	65	70	76	48	74	61	59	54	158	144	145	133	132	118	99	93	91	66	54	118	88	58	54	54
LOCATION																																

LOCATION	24 HOUR SECOND-FEET																															TOTAL
	JULY																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DIVERTED AT HEAD																																
INFLOW FROM FALL RIVER CANAL	281	328	324	373	383	389	374	361	354	354	354	349	354	440	444	478	490	484	482	485	477	480	467	462	373	382	379	375	308	315	316	12,215
NORTH BRANCH DIVERSION	14	15	14	15	9	10	10	11	10	10	7	7	8	8	8	18	37	36	37	30	30	28	18	18	13	14	5	9	12	12	15	489
MIDDLE BRANCH DIVERSION	92	93	91	91	85	85	80	85	85	84	96	102	100	101	95	96	84	84	84	83	92	108	87	96	90	0	18	12	15	13	13	2,338
BELOW FALL RIVER CANAL DIVERSIONS	80	86	80	82	84	74	76	81	82	75	74	74	0	106	95	103	92	108	108	107	87	75	90	100	80	32	48	29	1	0	10	2,218
CROSS CUT AT END	123	164	167	215	223	240	228	206	197	205	191	180	262	241	262	297	351	328	327	325	328	328	308	284	216	364	320	344	304	314	308	8,148
	85	162	165	208	203	215	217	196	189	192	187	168	233	230	230	278	306	300	288	285	291	322	260	275	325	341	294	294	257	272	257	7,525

LOCATION	AUGUST																															TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DIVERTED AT HEAD	300	302	306	310	309	310	320	302	282	281	232	226	274	283	279	226	214	221	219	216	213	215	211	245	249	127	276	266	130	269	264	7,867
INFLOW FROM FALL RIVER CANAL	8	12	12	11	10	8	5	5	4	4	4	4	94	82	82	88	83	74	54	64	64	60	60	62	51	86	53	32	26	26	26	1,254
NORTH BRANCH DIVERSION	20	20	20	24	16	21	22	22	22	22	22	21	95	96	95	88	100	100	96	96	96	96	100	100	96	50	43	0	0	28	45	1,672
MIDDLE BRANCH DIVERSION	25	31	21	25	16	18	5	27	20	19	18	13	46	45	39	70	76	97	89	92	93	91	90	104	89	46	46	0	0	41	34	1,428
BELOW FALL RIVER CANAL DIVERSIONS	263	263	277	272	287	279	298	258	244	244	196	196	227	224	227	156	121	98	88	92	88	88	81	103	115	117	240	298	156	216	211	6,023
CROSS CUT AT END	242	242	248	245	245	245	245	210	216	175	178	202	202	194	165	128	108	102	93	95	91	85	115	113	152	263	140	104	175	76	9,339	

LOCATION	SEPTEMBER																														TOTAL	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
DIVERTED AT HEAD	-2	271	226	226	222	183	148	132	136	101	102	85	119	104	100	95	93	103	126	103	84	61	48	29	13	12	12	12	12	12	12	2,868
INFLOW FROM FALL RIVER CANAL	38	44	44	50	31	20	20	22	22	23	23	23	69	59	59	59	59	51	50	45	34	24	32	40	48	48	47	47	47	47	47	1,225
NORTH BRANCH DIVERSION	24	18	18	18	17	8	12	12	16	0	0	0	46	56	56	56	56	58	58	56	53	50	47	42	39	39	39	39	39	39	39	641
MIDDLE BRANCH DIVERSION	12	20	20	17	22	15	20	30	25	6	6	6	32	28	28	28	27	27	27	27	27	23	23	22	22	21	20	20	20	20	2,541	
BELOW FALL RIVER CANAL DIVERSIONS	0	277	232	241	214	180	136	112	117	118	119	102	110	79	75	70	69	89	91	65	38	12	10	5	0	0	0	0	0	0	2,291	
CROSS CUT AT END	0	236	194	217	145	167	123	102	113	110	111	93	102	83	79	76	72	72	87	58	29	16	4	2	0							

1718 ÷ 18,543 = 9.3 % (JUNE 12 TO SEPT 24)

SEASON LOSS = 1,718 ÷ 18,543 = 9.3% (JUNE 12 TO SEPT 24)
 TON RIVER FOR SEASON = 18,478 S. F. = 36,600 A. F.

24 HOUR SECOND- FEET EXCEPT AS NOTED

1961

LOCATION	JULY																															TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NORTH SQUIRREL CREEK BELOW SO. BOONE DIV.																																
NORTH SQUIRREL CREEK AT RANGER STATION					10																											
INDIAN LAKE (ACRE - FEET)					10								4	3		6											3			3		
BERGMAN RESERVOIR (ACRE - FEET)					666								8	8		8											8			8		
BERGMAN OUTLET					252								637	632		622											574			565		
BOOM CREEK CANAL					0																						180			156		
SQUIRREL CREEK BELOW BOOM CANAL	4	3	4	4	4	4	4	0	0	0	0	0	0	3	3	4	4	4	4	4	4	4	4	4	5	5	0	0	0	0	4	3
SQUIRREL CREEK CANAL	3	5	4	10	13	11	11	12	13	13	13	11	10	6	6	5	5	4	4	5	9	9	7	7	5	11	10	10	9	4	6	
	8	1	1	2	15	11	11	11	11	11	11	5	6	6	5	5	4	3	3	3	2	9	9	6	6	5	11	0	3	2	3	199

LOCATION	AUGUST																															TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NORTH SQUIRREL CREEK BELOW SO. BOONE DIV.				2							2		2													1						
NORTH SQUIRREL CREEK AT RANGER STATION				6							6		6													5						
INDIAN LAKE (ACRE - FEET)				528							550		546							531				522	464		456					
BERGMAN RESERVOIR (ACRE - FEET)				116							78		75							53				5	51		64					
BERGMAN OUTLET				2							0		0											2	3		0					
BOOM CREEK CANAL	3	3	3	4	4	4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	3	3	4	4	2	3	4	0	56
SQUIRREL CREEK BELOW BOOM CANAL	7	8	7	4	6	5	8	9	13	10	7	5	5	5	5	6	6	6	6	7	7	0	0	0	0	7	6	6	2	0	4	
SQUIRREL CREEK CANAL	6	4	6	6	5	10	13	10	6	2	0	0	0	0	0	5	11	9	10	6	7	2	0	1	0	6	7	6	2	1	1	142

[illegible]

M

MAY

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11			
TRAIL CREEK ABOVE STRING CANAL																																													
GAME CREEK NEAR MOUTH																																													
STRING CANAL																																													
KIMBALL																																													
RICKS-KIRSLEY																																													
TOWN																																													
SPENCER																																													
HUMBLE																																													
TOWNS																																													
FOX CREEK ABOVE DIVERSIONS																																													
NORTH CANAL																																													
MIDDLE (VAIL)																																													
SOUTH																																													
CARST CREEK ABOVE DIVERSIONS																																													
WINGER CANAL (WYO.)																																													
HILL																																													
TODD																																													
CANNON																																													
CHERRY GROVE																																													
TETON CREEK ABOVE DIVERSIONS																																													
MILL CREEK																																													
NORTH CANAL																																													
SOUTH																																													
CENTRAL																																													
WADDELL																																													
TOTAL WYOMING DIVERSIONS																																													
GRAND TETON CANAL																																													
TETON CREEK BELOW GRAND TETON CANAL	43	54	50	40	36	36	41	31	64	78	145	166	138	130	134	102	108	130	219	264	321	335	363	349	349	321	363	335	363	363	335	363	335	363	335	363	335	363	335	363	335	363			
CENTRAL CANAL (IDAHO)	0	0	0	0	0	0	0	0	67	51	0	0	0	0	0	0	0	0	8	118	218	218	250	370	370	326	370	326	250	264	250	266	284	326	284	326	284	326	284	326	284	326			
CHRISTENSEN - CORDON																																													
PRICE - FAIRBANKS																																													
DRAVE																																													
ABOVE																																													
BOUQUET																																													
HENDERSON-DRAKE																																													
SOUTH TWIN																																													
NORTH TWIN																																													
MAHOGANY																																													
HORSESHOE																																													
PACKSADDLE																																													
SOUTH LEIGH CREEK AT STATE LINE																																													
LEIGH CREEK CANAL ABOVE STATE LINE																																													
KILPACK																																													
DESERT																																													

CORDS - 1961

J U N E

24 HOUR SECOND - FEET

JUNE																														24 HOUR SECOND - FEET			
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4						
246									172	152																							
58									90										92														
102	102	102	102	102	102	102	102	84	82	82	78	76	54	51	51	51	45		42			39		78									
33	37	38	33	31	31	26	23		24	20	18	18	14	11	10	10	9	8	15	15	14	14	13	37	37	36	34						
70	61	52	56	56	47	42			43	42	39	33	35	32	26	26	24	22	22	21	19	18	17	13	12	12							
30	38	30	29	26	20	17			14		14	15	15	13	12	10	10	10	10	9	8	8	8	8	7	7							
50	44	4	16	13	8	8						4	5	5	5	5	4	4	4	3	3	3	3	2	2	2							
93	56	55			26	25						22	23	22	22	21	25	17	18	16	16	14	12	14	14								
20	5	5	5	5	5	5			100				82				49																
20	5	5	5	5	5	5			51	51			35	35	28	22	22	22	22	20													
24	17	17	13	13	13	13			32	32			25	22	22	19	19	19	13	10	10	10	10	10	10	10							
72	5	5	5	5	5	5			208				10	9	8	8	9	6	6	6	6	4	4	4	4	4							
46	5	5	5	5	5	5			6	6	6	6	6	7	7	7	7	7	96	91	75	73	66	62									
46	5	5	5	5	5	5			43	42	42	42	42	42	33	19	18	16	15		5	5	5	5									
40	5	5	5	5	5	5			57	56	46	46	46	44	42	38	36	34	40	36	34	32	30	30	28	27							
100	5	5	5	5	5	5			36	22	18	24	18	20	18	2	16	5	5	4	7	15	14	12									
									543																								
									11																								
									29																								
									18																								
									49																								
363	363	363	370	363	370	363	349	272	349	349	335	278	272	200	177	189	169	161	174	161	166	145	120	105	70	68	7						
326	326	326	302	250	250	218	190	183	190	190	166	173	156	126	166	146	125	150	39	8	0	0	0										
			53	45	50	50	54	70				34	34	27	27	27	19	0		16	0	0	0										
			68				25					11	11	8	8	8	11	11		6													
									5																								
									3																								
									2																								
									2																								
									2																								
									2																								
									16																								
									9																								
22	50	37	96	88	72		77		75		68	57																					
				78	72		74		74		72		62	60																			
				10	10		10		10		9		9	9																			
				27	25		26		26		25		7	9		9																	
				17	10		5		2		2		2	2		2																	
				33	31		25		27		26	15	17																				
							97						65																				
							39						30																				
							21						12																				
							29						20																				
							17						7																				
							32						29																				
18	120	120	100	80	70	55	60	60	70	70	64	60	59																				
						23	23		22	21	20	20	20	19	18																		
						5	6		5	6	6	5	5																				
						8	8	7	7	6	6	6	6																				

JULY

[illegible]

PLATE NO. 24

SEPTEMBER
12 13 14

15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

2,374	1,841	1,512	1,450	3,381	3,383	2,012	5,408	9,595	7,624	4,720	2,529
116,009	109,500	92,970	89,160	187,800	208,000	119,700	332,500	570,900	468,800	290,200	150,500

[illegible]

253	226	186	187	188	175	423	1,281	1,101	381	283	280
25,530	13,450	11,470	11,470	10,420	10,760	25,180	78,770	65,490	23,450	17,390	16,630

[illegible]

Year	Miran	Agre-Feet
1970	31,890	323,030
1971	32,600	
1972	27,470	
1973	22,310	
1974	20,680	
1975	23,990	
1976	35,390	
1977	33,990	
1978	553	
1979	338	
1980	353	
1981	380	
1982	29,560	

[illegible]

[illegible]

	Year	Mean	Acre-Feet	
0.1L	0	65.1	3,880	9.4
	0	29.1	1,790	
	0		688	
8.3	0		272	
	0			200
				3.4

2.110	1.760	1.370	960	940	1.230	2,060	9,300	8,470	3,350	2,310	2,190
37.3	29.8	21.8	15.6	16.9	20.0	34.6	151	142	54.5	37.6	36.8

[illegible]

1,340	1,130	1,120	893	827	1,160	5,500	11,740	5,980	2,790	1,910	1,580
21.9	19.0	18.2	14.5	14.9	18.9	92.4	191	100	45.3	11.0	26.5

[illegible]

[illegible]

2,270	1,047	990	1,573	1,215	1,239	2,380	9,145	11,790	11,630	8,228	3,559
139,600	62,290	60,890	96,730	67,500	76,170	141,500	562,300	701,800	714,900	505,900	211,800

[illegible]

2,807	1,660	1,398	1,901	1,646	1,730	2,875	9,915	12,290	12,070	8,552	4,068
172,600	86,860	85,980	116,900	91,420	106,400	171,100	609,700	731,500	762,000	525,900	262,000

[illegible]

* Interpolated

[illegible]

6.3	12	15	16	17	18	19.8	13.5	19.5	1,160	8,100	11,850	1,800
387	714	922	984	944	1,110	1,180	833	1,160	8,100	11,850	1,800	67.8

[illegible]

12700	12660	12680	27560	48840	69390	89280	110020	132150	134210	107380	125500	12700	12590	12540	12510	12480	12470	12460	12450	12440	12430	12420	12410	12400	12390	12380	12370	12360	12350	12340	12330	12320	12310	12300	12290	12280	12270	12260	12250	12240	12230	12220	12210	12200	12190	12180	12170	12160	12150	12140	12130	12120	12110	12100	12090	12080	12070	12060	12050	12040	12030	12020	12010	12000	11990	11980	11970	11960	11950	11940	11930	11920	11910	11900	11890	11880	11870	11860	11850	11840	11830	11820	11810	11800	11790	11780	11770	11760	11750	11740	11730	11720	11710	11700	11690	11680	11670	11660	11650	11640	11630	11620	11610	11600	11590	11580	11570	11560	11550	11540	11530	11520	11510	11500	11490	11480	11470	11460	11450	11440	11430	11420	11410	11400	11390	11380	11370	11360	11350	11340	11330	11320	11310	11300	11290	11280	11270	11260	11250	11240	11230	11220	11210	11200	11190	11180	11170	11160	11150	11140	11130	11120	11110	11100	11090	11080	11070	11060	11050	11040	11030	11020	11010	11000	10990	10980	10970	10960	10950	10940	10930	10920	10910	10900	10890	10880	10870	10860	10850	10840	10830	10820	10810	10800	10790	10780	10770	10760	10750	10740	10730	10720	10710	10700	10690	10680	10670	10660	10650	10640	10630	10620	10610	10600	10590	10580	10570	10560	10550	10540	10530	10520	10510	10500	10490	10480	10470	10460	10450	10440	10430	10420	10410	10400	10390	10380	10370	10360	10350	10340	10330	10320	10310	10300	10290	10280	10270	10260	10250	10240	10230	10220	10210	10200	10190	10180	10170	10160	10150	10140	10130	10120	10110	10100	10090	10080	10070	10060	10050	10040	10030	10020	10010	10000	9990	9980	9970	9960	9950	9940	9930	9920	9910	9900	9890	9880	9870	9860	9850	9840	9830	9820	9810	9800	9790	9780	9770	9760	9750	9740	9730	9720	9710	9700	9690	9680	9670	9660	9650	9640	9630	9620	9610	9600	9590	9580	9570	9560	9550	9540	9530	9520	9510	9500	9490	9480	9470	9460	9450	9440	9430	9420	9410	9400	9390	9380	9370	9360	9350	9340	9330	9320	9310	9300	9290	9280	9270	9260	9250	9240	9230	9220	9210	9200	9190	9180	9170	9160	9150	9140	9130	9120	9110	9100	9090	9080	9070	9060	9050	9040	9030	9020	9010	9000	8990	8980	8970	8960	8950	8940	8930	8920	8910	8900	8890	8880	8870	8860	8850	8840	8830	8820	8810	8800	8790	8780	8770	8760	8750	8740	8730	8720	8710	8700	8690	8680	8670	8660	8650	8640	8630	8620	8610	8600	8590	8580	8570	8560	8550	8540	8530	8520	8510	8500	8490	8480	8470	8460	8450	8440	8430	8420	8410	8400	8390	8380	8370	8360	8350	8340	8330	8320	8310	8300	8290	8280	8270	8260	8250	8240	8230	8220	8210	8200	8190	8180	8170	8160	8150	8140	8130	8120	8110	8100	8090	8080	8070	8060	8050	8040	8030	8020	8010	8000	7990	7980	7970	7960	7950	7940	7930	7920	7910	7900	7890	7880	7870	7860	7850	7840	7830	7820	7810	7800	7790	7780	7770	7760	7750	7740	7730	7720	7710	7700	7690	7680	7670	7660	7650	7640	7630	7620	7610	7600	7590	7580	7570	7560	7550	7540	7530	7520	7510	7500	7490	7480	7470	7460	7450	7440	7430	7420	7410	7400	7390	7380	7370	7360	7350	7340	7330	7320	7310	7300	7290	7280	7270	7260	7250	7240	7230	7220	7210	7200	7190	7180	7170	7160	7150	7140	7130	7120	7110	7100	7090	7080	7070	7060	7050	7040	7030	7020	7010	7000	6990	6980	6970	6960	6950	6940	6930	6920	6910	6900	6890	6880	6870	6860	6850	6840	6830	6820	6810	6800	6790	6780	6770	6760	6750	6740	6730	6720	6710	6700	6690	6680	6670	6660	6650	6640	6630	6620	6610	6600	6590	6580	6570	6560	6550	6540	6530	6520	6510	6500	6490	6480	6470	6460	6450	6440	6430	6420	6410	6400	6390	6380	6370	6360	6350	6340	6330	6320	6310	6300	6290	6280	6270	6260	6250	6240	6230	6220	6210	6200	6190	6180	6170	6160	6150	6140	6130	6120	6110	6100	6090	6080	6070	6060	6050	6040	6030	6020	6010	6000	5990	5980	5970	5960	5950	5940	5930	5920	5910	5900	5890	5880	5870	5860	5850	5840	5830	5820	5810	5800	5790	5780	5770	5760	5750	5740	5730	5720	5710	5700	5690	5680	5670	5660	5650	5640	5630	5620	5610	5600	5590	5580	5570	5560	5550	5540	5530	5520	5510	5500	5490	5480	5470	5460	5450	5440	5430	5420	5410	5400	5390	5380	5370	5360	5350	5340	5330	5320	5310	5300	5290	5280	5270	5260	5250	5240	5230	5220	5210	5200	5190	5180	5170	5160	5150	5140	5130	5120	5110	5100	5090	5080	5070	5060	5050	5040	5030	5020	5010	5000	4990	4980	4970	4960	4950	4940	4930	4920	4910	4900	4890	4880	4870	4860	4850	4840	4830	4820	4810	4800	4790	4780	4770	4760	4750	4740	4730	4720	4710	4700	4690	4680	4670	4660	4650	4640	4630	4620	4610	4600	4590	4580	4570	4560	4550	4540	4530	4520	4510	4500	4490	4480	4470	4460	4450	4440	4430	4420	4410	4400	4390	4380	4370	4360	4350	4340	4330	4320	4310	4300	4290	4280	4270	4260	4250	4240	4230	4220	4210	4200	4190	4180	4170	4160	4150	4140	4130	4120	4110	4100	4090	4080	4070	4060	4050	4040	4030	4020	4010	4000	3990	3980	3970	3960	3950	3940	3930	3920	3910	3900	3890	3880	3870	3860	3850	3840	3830	3820	3810	3800	3790	3780	3770	3760	3750	3740	3730	3720	3710	3700	3690	3680	3670	3660	3650	3640	3630	3620	3610	3600	3590	3580	3570	3560	3550	3540	3530	3520	3510	3500	3490	3480	3470	3460	3450	3440	3430	3420	3410	3400	3390	3380	3370	3360	3350	3340	3330	3320	3310	3300	3290	3280	3270	3260	3250	3240	3230	3220	3210	3200	3190	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490	213	29.9	12.0	13.1	15.4	43.8	633	922	1,512	1,187	628
30,140	12,670	1,840	738	726	948	2,610	38,950	54,850	92,950	72,960	37,180

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* Interpolated

11	4510	6210	6600	7530	11130	9810	5650	9150	5510	8020	12910	13500	13540	13010	13280	12130	7600	5560	* 5600
10																			
9																			
8																			
7																			
6	4510	6210	6600	7530	11130	9810	5650	9150	5510	8020	12910	13500	13540	13010	13280	12130	7600	5560	* 5600
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Year	Mean	Year	Mean
20,990	34.1	20,960	35.2
19,950	32.5	19,910	35.8
22,440	36.5	30,510	51.3
108,700	1,768	88,740	1,491
27,750	4.51	28,110	4.57
30,500	51.3		

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170	284	30.9	17.7 est. 24	1.430
10,430	16,890	1,900	1,090	1.430

YEAR
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31,740

29	335	363	120	14
28	335	363	175	14
27	321	321	166	15
26	349	349	161	15
25	349	349	174	14
24	363	363	161	14
23	335	335	169	15
22	321	321	169	16
21	264	177	177	17
20	219	200	200	17
19	130	272	272	18
18	108	278	278	19
17	102	335	335	21
16	134	349	349	21
15	130	349	349	22
14	138	272	272	22
13	166	349	349	24
12	145	363	363	32
11	76	370	370	22
10	64	363	363	26
9	91	370	363	38
8	41	363	363	32
7	36	363	363	0
6	38	356	356	0
5	44	363	363	39
4	54	335	335	70
3	54	363	363	84
2	49	335	335	73
1	29	363	363	68
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[illegible]

Acute-Phase

1901

MEAN

天字第一

1,225	1,685	1,172	1,232	1,392	1,248	984	1,514	1,339	900	1,071	1,631
75,350	88,340	72,070	75,770	77,320	76,710	58,540	93,110	79,670	55,360	65,850	97,030

1,264
915,120

1170	1520	1500	1430	1440	1490	1540	1510	1390	1410	1420	1440	1460	1500	1500	1520	1530	1540	1540	1490	1280	1050	902	830	819	705	565	505	505	535
1090	1060	1120	1210	1200	1250	1350	1400	1090	1210	1260	1240	1320	1410	1540	1710	1770	1790	1820	1810	1520	1340	1920	1760	1730	1690	1850	1680	1580	1520
1230	1220	1180	1150	1200	1220	1280	1330	1350	1220	1380	1400	1240	1230	1450	1270	1270	1270	1250	1260	1270	1400	1340	1300	1280	1260	1260	1310	1290	1300
1160	1160	1160	1250	1460	1460	1150	1030	1110	1350	1510	1450	1350	1400	1780	1560	1490	1080	1090	1100	1130	1100	1080	1130	1160	1170	1170	1190	1200	1200
998	980	998	1090	1300	1540	1460	1070	1140	1100	1160	1470	1260	860	700	726	808	926	968	950	842	872	884	926	992	1140	1280	1030	974	974
1150	742	715	758	770	956	1070	1170	1100	1710	1480	1400	1330	1190	1260	1090	1050	720	848	1090	1030	902	884	992	1740	1770	1770	1420	1370	1370
2380	2140	2180	2140	1860	1860	2010	1750	1710	860	802	808	878	902	938	956	1120	1440	1620	1690	1820	1770	1860	1810	1850	2020	2130	2100	1910	1910
720	775	819	866	908	914	792	797	860	962	896	824	824	824	705	695	670	660	748	792	848	950	1110	1400	1380	775	660	645	758	731
992	938	1080	998	974	992	944	872	962	896	824	824	824	1120	1190	1260	1250	1260	1360	1380	1350	1290	1120	854	775	660	645	758	731	710
1190	1130	1310	1210	1000	974	968	1030	1030	1060	1030	1080	1080	1120	1190	1260	1250	1260	1360	1380	1350	1290	1120	854	775	660	645	758	731	645
1680	1690	1730	1770	1820	1890	1920	1930	2010	1920	1850	1610	1460	1430	1440	1560	1590	1690	1640	1570	1540	1380	1390	1420	1520	1580	1520	1580	1520	1520

2,198	2,131	2,117	2,212	2,570	2,400	2,950	4,773	5,039	299,800	311,200	257,800	176,800
135,100	126,800	130,200	136,000	142,700	147,600	175,500	293,500	299,800	311,200	257,800	176,800	176,800

Year
or
Period
Mean
Area-Per
2,333,000
3,223

2,198	2,131	2,117	2,212	2,570	2,400	2,950	4,773	5,039	299,800	311,200	257,800	176,800
135,100	126,800	130,200	136,000	142,700	147,600	175,500	293,500	299,800	311,200	257,800	176,800	176,800
1800	1730	1750	1950	2300	2100	2060	3910	4970	4820	5120	4210	2210
1730	1720	2000	1850	2000	2180	2100	3890	4660	5030	5280	4390	2290
1740	2150	2100	1900	2000	2520	2200	3910	4790	4660	4110	4390	2320
1730	2240	2300	2000	2780	2740	2740	3960	4850	4970	3720	3720	2580
1790	2290	2350	2050	2740	2290	2740	3910	4850	5120	3450	3450	2710
1770	2270	2300	2100	2340	2540	2540	3700	4970	4970	3560	3560	2830
1670	2180	2400	2100	2290	2200	2200	3770	5090	5380	3430	3430	2990
1600	2290	2450	2100	2370	2200	2200	3720	5510	5350	3410	3410	3070
1650	2350	2450	2200	2390	2440	2440	3720	5920	5030	3360	3360	2970
1760	2270	2450	2300	2340	2700	2700	4040	5920	5190	3770	3770	3050
1820	2290	2300	2350	2640	2610	2610	4060	5860	5030	3770	3770	3070
1960	2470	2300	2500	2950	2680	2680	3500	5730	5090	3520	3520	3010
2060	2490	2240	2600	2580	2970	2970	2760	5730	5090	3770	3770	2870
2230	2590	2060	2600	2990	3220	3220	2340	5380	4550	4420	4420	3190
2320	2390	2000	2550	2910	2910	2910	2350	5150	4550	4660	4660	3190
2830	2320	1900	2600	2870	2240	2240	2560	4910	4710	4570	4570	3190
3220	2150	1950	2550	3030	2180	2180	2670	4550	4820	4790	4790	2870
3110	2140	2000	2450	3630	2200	2200	2540	5310	5000	4880	4880	2670
2820	2010	2000	2450	3170	2200	2200	2390	5410	5280	4710	4710	2870
2540	1700	2050	2500	2720	2180	2180	2240	4290	5190	4940	4940	3240
2350	1660	2000	2550	2520	2100	2100	2200	2910	5090	5570	5570	3560
2260	2120	1800	2500	2440	2230	2230	2140	3090	5060	5280	5280	2990
2120	2010	1650	2250	2370	2240	2240	2180	4040	4970	4880	4880	2560
2310	2000	1800	1950	2270	2260	2260	2400	4600	5090	4660	4660	2560
2670	2010	1670	1750	2350	2230	2230	2630	4710	5410	4050	4050	2670
2350	2010	2300	2400	2270	2210	2210	2610	4210	5830	3430	3430	3390
2440	1930	2350	1980	2500	2320	2320	2210	4060	5600	3910	3910	3360
2590	1820	2460	1980	2510	2060	2060	3940	3820	5030	1790	1790	3360
2720	1790	2120	1900	2550	2060	2060	3820	4760	4760	1620	1620	3360

6.950	12.340	3.660	2.010	3.550	7.160	8.300	1.771	218	8	14	5.060
80.5	207	59.5	32.6	64.0	116	139	28.8	12.1	0.1	0.2	85.0

[illegible]

Year	Mean	Year	Mean	Year	Mean	Year	Mean	Year	Mean
1950	16.5	1951	16.5	1952	16.5	1953	16.5	1954	16.5
1955	16.5	1956	16.5	1957	16.5	1958	16.5	1959	16.5
1960	16.5	1961	16.5	1962	16.5	1963	16.5	1964	16.5
1965	16.5	1966	16.5	1967	16.5	1968	16.5	1969	16.5
1970	16.5	1971	16.5	1972	16.5	1973	16.5	1974	16.5
1975	16.5	1976	16.5	1977	16.5	1978	16.5	1979	16.5
1980	16.5	1981	16.5	1982	16.5	1983	16.5	1984	16.5
1985	16.5	1986	16.5	1987	16.5	1988	16.5	1989	16.5
1990	16.5	1991	16.5	1992	16.5	1993	16.5	1994	16.5
1995	16.5	1996	16.5	1997	16.5	1998	16.5	1999	16.5
2000	16.5	2001	16.5	2002	16.5	2003	16.5	2004	16.5
2005	16.5	2006	16.5	2007	16.5	2008	16.5	2009	16.5
2010	16.5	2011	16.5	2012	16.5	2013	16.5	2014	16.5
2015	16.5	2016	16.5	2017	16.5	2018	16.5	2019	16.5
2020	16.5	2021	16.5	2022	16.5	2023	16.5	2024	16.5
2025	16.5	2026	16.5	2027	16.5	2028	16.5	2029	16.5
2030	16.5	2031	16.5	2032	16.5	2033	16.5	2034	16.5
2035	16.5	2036	16.5	2037	16.5	2038	16.5	2039	16.5
2040	16.5	2041	16.5	2042	16.5	2043	16.5	2044	16.5
2045	16.5	2046	16.5	2047	16.5	2048	16.5	2049	16.5
2050	16.5	2051	16.5	2052	16.5	2053	16.5	2054	16.5
2055	16.5	2056	16.5	2057	16.5	2058	16.5	2059	16.5
2060	16.5	2061	16.5	2062	16.5	2063	16.5	2064	16.5
2065	16.5	2066	16.5	2067	16.5	2068	16.5	2069	16.5
2070	16.5	2071	16.5	2072	16.5	2073	16.5	2074	16.5
2075	16.5	2076	16.5	2077	16.5	2078	16.5	2079	16.5
2080	16.5	2081	16.5	2082	16.5	2083	16.5	2084	16.5
2085	16.5	2086	16.5	2087	16.5	2088	16.5	2089	16.5
2090	16.5	2091	16.5	2092	16.5	2093	16.5	2094	16.5
2095	16.5	2096	16.5	2097	16.5	2098	16.5	2099	16.5
2100	16.5	2101	16.5	2102	16.5	2103	16.5	2104	16.5
2105	16.5	2106	16.5	2107	16.5	2108	16.5	2109	16.5
2110	16.5	2111	16.5	2112	16.5	2113	16.5	2114	16.5
2115	16.5	2116	16.5	2117	16.5	2118	16.5	2119	16.5
2120	16.5	2121	16.5	2122	16.5	2123	16.5	2124	16.5
2125	16.5	2126	16.5	2127	16.5	2128	16.5	2129	16.5
2130	16.5	2131	16.5	2132	16.5	2133	16.5	2134	16.5
2135	16.5	2136	16.5	2137	16.5	2138	16.5	2139	16.5
2140	16.5	2141	16.5	2142	16.5	2143	16.5	2144	16.5
2145	16.5	2146	16.5	2147	16.5	2148	16.5	2149	16.5
2150	16.5	2151	16.5	2152	16.5	2153	16.5	2154	16.5
2155	16.5	2156	16.5	2157	16.5	2158	16.5	2159	16.5
2160	16.5	2161	16.5	2162	16.5	2163	16.5	2164	16.5
2165	16.5	2166	16.5	2167	16.5	2168	16.5	2169	16.5
2170	16.5	2171	16.5	2172	16.5	2173	16.5	2174	16.5
2175	16.5	2176	16.5	2177	16.5	2178	16.5	2179	16.5
2180	16.5	2181	16.5	2182	16.5	2183	16.5	2184	16.5
2185	16.5	2186	16.5	2187	16.5	2188	16.5	2189	16.5
2190	16.5	2191	16.5	2192	16.5	2193	16.5	2194	16.5
2195	16.5	2196	16.5	2197	16.5	2198	16.5	2199	16.5
2200	16.5	2201	16.5	2202	16.5	2203	16.5	2204	16.5
2205	16.5	2206	16.5	2207	16.5	2208	16.5	2209	16.5
2210	16.5	2211	16.5	2212	16.5	2213	16.5	2214	16.5
2215	16.5	2216	16.5	2217	16.5	2218	16.5	2219	16.5
2220	16.5	2221	16.5	2222	16.5	2223	16.5	2224	16.5
2225	16.5	2226	16.5	2227	16.5	2228	16.5	2229	16.5
2230	16.5	2231	16.5	2232	16.5	2233	16.5	2234	16.5
2235	16.5	2236	16.5	2237	16.5	2238	16.5	2239	16.5
2240	16.5	2241	16.5	2242	16.5	2243	16.5	2244	16.5
2245	16.5	2246	16.5	2247	16.5	2248	16.5	2249	16.5
2250	16.5	2251	16.5	2252	16.5	2253	16.5	2254	16.5
2255	16.5	2256	16.5	2257	16.5	2258	16.5	2259	16.5
2260	16.5	2261	16.5	2262	16.5	2263	16.5	2264	16.5
2265	16.5	2266	16.5	2267	16.5	2268	16.5	2269	16.5
2270	16.5	2271	16.5	2272	16.5	2273	16.5	2274	16.5
2275	16.5	2276	16.5	2277	16.5	2278	16.5	2279	16.5
2280	16.5	2281	16.5	2282	16.5	2283	16.5	2284	16.5
2285	16.5	2286	16.5	2287	16.5	2288	16.5	2289	16.5
2290	16.5	2291	16.5	2292	16.5	2293	16.5	2294	16.5
2295	16.5	2296	16.5	2297	16.5	2298	16.5	2299	16.5
2300	16.5	2301	16.5	2302	16.5	2303	16.5	2304	16.5
2305	16.5	2306	16.5	2307	16.5	2308	16.5	2309	16.5
2310	16.5	2311	16.5	2312	16.5	2313	16.5	2314	16.5
2315	16.5	2316	16.5	2317	16.5	2318	16.5	2319	16.5
2320	16.5	2321	16.5	2322	16.5	2323	16.5	2324	16.5
2325	16.5	2326	16.5	2327	16.5	2328	16.5	2329	16.5
2330	16.5	2331	16.5	2332	16.5	2333	16.5	2334	16.5
2335	16.5	2336	16.5	2337	16.5	2338	16.5	2339	16.5
2340	16.5	2341	16.5	2342	16.5	2343	16.5	2344	16.5
2345	16.5	2346	16.5	2347	16.5	2348	16.5	2349	16.5
2350	16.5	2351	16.5	2352	16.5	2353	16.5	2354	16.5
2355	16.5	2356	16.5	2357	16.5	2358	16.5	2359	16.5
2360	16.5	2361	16.5	2362	16.5	2363	16.5	2364	16.5
2365	16.5	2366	16.5	2367	16.5	2368	16.5	2369	16.5
2370	16.5	2371	16.5	2372	16.5	2373	16.5	2374	16.5
2375	16.5	2376	16.5	2377	16.5	2378	16.5	2379	16.5
2380	16.5	2381	16.5	2382	16.5	2383	16.5	2384	16.5
2385	16.5	2386	16.5	2387	16.5	2388	16.5	2389	16.5
2390	16.5	2391	16.5	2392	16.5	2393	16.5	2394	16.5
2395	16.5	2396	16.5	2397	16.5	2398	16.5	2399	16.5
2400	16.5	2401	16.5	2402	16.5	2403	16.5	2404	16.5
2405	16.5	2406	16.5	2407	16.5	2408	16.5	2409	16.5
2410	16.5	2411	16.5	2412	16.5	2413	16.5	2414	16.5
2415	16.5	2416	16.5	2417	16.5	2418	16.5	2419	16.5
2420	16.5	2421	16.5	2422	16.5	2423	16.5	2424	16.5
2425	16.5	2426	16.5	2427	16.5	2428	16.5	2429	16.5
2430	16.5	2431	16.5	2432	16.5	2433	16.5	2434	16.5
2435	16.5	2436	16.5	2437	16.5	2438	16.5	2439	16.5
2440	16.5	2441	16.5	2442	16.5	2443	16.5	2444	16.5
2445	16.5	2446	16.5	2447	16.5	2448	16.5	2449	16.5
2450	16.5	2451	16.5	2452	16.5	2453	16.5	2454	16.5
2455	16.5	2456	16.5	2457	16.5	2458	16.5	2459	16.5
2460	16.5	2461	16.5	2462	16.5	2463	16.5	2464	16.5
2465	16.5	2466	16.5	2467	16.5	2468	16.5	2469	16.5
2470	16.5	2471	16.5	2472	16.5	2473	16.5	2474	16.5
2475	16.5	2476	16.5	2477	16.5	2478	16.5	2479	16.5
2480	16.5	2481	16.5	2482	16.5	2483	16.5	2484	16.5
2485	16.5	2486	16.5	2487	16.5	2488	16.5	2489	16.5
2490	16.5	2491	16.5	2492	16.5	2493	16.5	2494	16.5
2495	16.5	2496	16.5	2497	16.5	2498	16.5	2499	16.5
2500	16.5	2501	16.5	2502	16.5	2503	16.5	2504	16.5
2505	16.5	2506	16.5	2507	16.5	2508	16.5	2509	16.5
2510	16.5	2511	16.5	2512	16.5	2513	16.5	2514	16.5
2515	16.5	2516	16.5	2517	16.5	2518	16.5	2519	16.5
2520	16.5	2521	16.5	2522	16.5	2523	16.5	2524	16.5
2525	16.5	2526	16.5	2527	16.5	2528	16.5	2529	16.5
2530	16.5	2531	16.5	2532	16.5	2533	16.5	2534	16.5
2535	16.5	2536	16.5	2537	16.5	2538	16.5	2539	16.5
2540	16.5	2541	16.5	2542	16.5	2543	16.5	2544	16.5
2545	16.5	2546	16.5	2547	16.5	2548	16.5	2549	16.5
2550	16.5	2551	16.5	2552	16.5	2553	16.5	2554	16.5
2555	16.5	2556	16.5	2557	16.5	2558	16.5	2559	16.5
2560	16.5	2561	16.5	2562	16.5	2563	16.5	2564	16.5
2565	16.5	2566	16.5	2567	16.5	2568	16.5	2569	16.5
2570	16.5	2571	16.5	2572	16.5	2573	16.5	2574	16.5
2575	16.5	2576	16.5	2577	16.5	2578	16.5	2579	16.5
2580	16.5	2581	16.5	2582	16.5	2583	16.5	2584	16.5
2585	16.5	2586	16.5	2587	16.5	2588	16.5	2589	16.5
2590	16.5	2591	16.5	2592	16.5	2593	16.5	2594	16.5
2595	16.5	2596	16.5	2597	16.5	2598	16.5	2599	16.5
2600	16.5	2601	16.5	2602	16.5	2603	16.5	2604	16.5

YEAR
DOM
EXPORT
MEAN
AGE-First
29.1 21.063

[illegible]

2,546	508	219	348	92.7	308	4,397	10,640	9,970	11,720	8,920	3,198
156,500	30,220	13,480	21,370	5,150	18,930	261,600	654,100	593,300	720,800	548,500	190,300

[illegible]

[illegible]

240	0	0	0	0	234	1,550	1,385	1,638	1,168	262
14,730	0	0	0	0	13,900	95,310	82,430	100,700	71,840	15,510

YEAR	PLAN	ACRE-Feet	THRESHOLD
1943		393.320	

Year	Mean	Year	Mean
208	0	127	1,202
0	1,204	73,940	73,940
0	1,011	73,190	73,190
0	62,190	76,000	76,000
12,820	234	317,620	317,620

1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350	1280	1150	1110	1130	1060	904	925	977	1020	1050	1080	1100	1110	1120	1180	1190	0
1360	1370	1360	1350																	

2,389	580	645	453	287	251	3,901	7,800	7,196	8,607	7,344	3,119
85,390	36,520	39,680	27,860	15,930	15,460	232,100	479,600	428,200	529,200	451,600	185,600

[illegible]

0	0	0	0	0	0	65	3,480	3,550	4,380	3,830	2,280
0	0	0	0	0	0	1.1	56.6	59.7	71.2	62.3	38.2

Year	Mean	Agm. Pct.
1958	26.3	17.585

[illegible]

526	0	0	0	0	1,234	2,255	1,728	2,318	1,793	620
32,370	0	0	0	0	73,400	138,700	102,800	142,500	110,200	36,890

1650	1960	0	2220	2180	2120	2180	2120	1920
1550	1950	0	2230	2190	2130	2190	2130	1820
1450	1850	376	2350	2090	2290	2280	2130	1760
1350	1750	816	2360	2020	2280	2280	2170	1630
1270	1670	980	2350	2010	2280	2120	2120	376
1150	1550	1000	2350	2000	2280	2130	2130	0
1150	1550	964	2360	1990	2290	2160	2160	0
1150	1550	956	2290	2000	2310	2170	2170	0
1060	1460	968	2250	657	2320	2200	2200	0
968	1368	952	2210	0	2370	2210	2210	0
747	1147	1020	2200	0	2390	2210	2210	0
740	1140	1000	2240	0	2360	2210	2210	0
733	1133	1000	2270	0	2360	2220	2220	0
242	1042	1000	2260	1330	2350	2170	2170	0
0	1010	1010	2340	1990	2340	2160	2160	0
0	992	2480	1920	1980	2360	2160	2160	0
0	1210	2140	1920	2380	2160	2160	2160	0
0	1590	2140	1920	2380	2160	2160	2160	0
0	1790	2140	2000	2370	2130	2130	2130	0
0	1860	2140	2040	2370	2120	2120	2120	520
0	1850	2180	2110	2370	2080	2030	1030	1030
0	1930	2220	2150	2370	2050	912	912	912
0	1940	2210	2160	2380	2050	984	984	984
0	1930	2210	2190	2370	664	1110	1110	1110
0	1860	2200	2150	2360	0	1160	1160	1160
0	1840	2200	2140	2340	0	1170	1170	1170
0	1820	2190	2120	2280	0	1130	1130	1130
0	1900	2210	2130	2250	0	1120	1120	1120
0	1900	2220	2190	2230	1410	385	385	385
0	2210	2210	2180	2180	1990	1990	1990	1990

1,048	353	397	26.6	9.9	14.6	1,807	3,155	3,191	3,702	3,321	1,855
64,660	21,030	24,430	1,640	549	899	107,500	194,000	189,900	227,600	204,200	110,360

YEAR 1,584
MIRAN 1,584
ACR-TEXT 1,146,568

1990	48	389	392	36	1	742	3510	3020	3600	3600	2760
1950	43	389	389	31	1	721	3470	3010	3620	3600	2700
1880	43	389	389	28	1	817	3470	2980	3670	3600	2630
1870	43	392	392	26	1	887	3330	2970	3720	3610	2580
1810	438	433	433	6	1	887	3360	2970	3670	3620	2550
1740	652	459	459	6	1	862	3290	2960	3680	3640	2550
1630	584	438	438	15	1	884	3200	2980	3640	3620	2550
1520	459	431	431	15	1	890	3270	2980	3640	3620	2500
1500	363	418	418	15	1	912	3330	2980	3660	3600	2410
1360	346	420	420	15	1	940	3390	2980	3680	3610	2350
1210	350	392	392	15	1	1140	3410	2980	3760	3620	2300
1110	350	373	373	15	1	1380	3420	2970	3760	3560	2210
992	346	373	373	6	1	1520	3000	2970	3760	3550	2110
824	340	381	381	3	1	1580	2790	2980	3770	3510	1980
812	356	386	386	2	1	1490	2860	3000	3780	3460	1820
812	366	412	412	2	1	1480	2980	2980	3740	3440	1740
800	366	420	420	2	1	1630	3040	2960	3760	3420	1720
766	371	399	399	2	1	1960	3030	3000	3770	3440	1720
710	366	381	379	2	1	2350	3060	3140	3760	3460	1610
666	363	379	379	2	1	2610	3030	3300	3760	3460	1430
649	373	389	389	16	1	2620	3010	3520	3780	3270	1340
640	399	397	397	16	1	2520	3030	3530	3760	2920	1300
632	407	394	394	16	1	2550	3050	3510	3760	2850	1240
618	420	389	384	16	1	2570	3050	3520	3760	2900	1150
624	423	384	376	16	1	2560	3060	3620	3690	2950	1090
649	412	376	376	16	1	2640	3060	3640	3630	2940	1040
643	407	376	376	16	1	2940	3070	3600	3640	2920	1060
713	389	384	384	16	1	3290	3050	3550	3640	2890	1050
753	389	384	384	31	1	3420	3050	3550	3640	2810	1080
536	389	392	392	31	1	3410	3080	3570	3650	2730	1090

210	297	434	489	540	301	271	162	5.9	5.3	2.6	6.0
12,890	17,650	26,670	30,090	30,020	18,530	16,140	8,740	349	927	161	357

YEAR
 OR
 PERIOD
 MINAN
 AGENT-PRY
 161,924
 224

258	256	253	251	250	248	246	245	244	243	242	241	240	239	238	237	236	235	234	233	232	231	230	229	228	227	226	225	224	223	222	221	220	219	218	217	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201	200	199	198	197	196	195	194	193	192	191	190	189	188	187	186	185	184	183	182	181	180	179	178	177	176	175	174	173	172	171	170	169	168	167	166	165	164	163	162	161	160	159	158	157	156	155	154	153	152	151	150	149	148	147	146	145	144	143	142	141	140	139	138	137	136	135	134	133	132	131	130	129	128	127	126	125	124	123	122	121	120	119	118	117	116	115	114	113	112	111	110	109	108	107	106	105	104	103	102	101	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10	-11	-12	-13	-14	-15	-16	-17	-18	-19	-20	-21	-22	-23	-24	-25	-26	-27	-28	-29	-30	-31	-32	-33	-34	-35	-36	-37	-38	-39	-40	-41	-42	-43	-44	-45	-46	-47	-48	-49	-50	-51	-52	-53	-54	-55	-56	-57	-58	-59	-60	-61	-62	-63	-64	-65	-66	-67	-68	-69	-70	-71	-72	-73	-74	-75	-76	-77	-78	-79	-80	-81	-82	-83	-84	-85	-86	-87	-88	-89	-90	-91	-92	-93	-94	-95	-96	-97	-98	-99	-100	-101	-102	-103	-104	-105	-106	-107	-108	-109	-110	-111	-112	-113	-114	-115	-116	-117	-118	-119	-120	-121	-122	-123	-124	-125	-126	-127	-128	-129	-130	-131	-132	-133	-134	-135	-136	-137	-138	-139	-140	-141	-142	-143	-144	-145	-146	-147	-148	-149	-150	-151	-152	-153	-154	-155	-156	-157	-158	-159	-160	-161	-162	-163	-164	-165	-166	-167	-168	-169	-170	-171	-172	-173	-174	-175	-176	-177	-178	-179	-180	-181	-182	-183	-184	-185	-186	-187	-188	-189	-190	-191	-192	-193	-194	-195	-196	-197	-198	-199	-200	-201	-202	-203	-204	-205	-206	-207	-208	-209	-210	-211	-212	-213	-214	-215	-216	-217	-218	-219	-220	-221	-222	-223	-224	-225	-226	-227	-228	-229	-230	-231	-232	-233	-234	-235	-236	-237	-238	-239	-240	-241	-242	-243	-244	-245	-246	-247	-248	-249	-250	-251	-252	-253	-254	-255	-256	-257	-258	-259	-260	-261	-262	-263	-264	-265	-266	-267	-268	-269	-270	-271	-272	-273	-274	-275	-276	-277	-278	-279	-280	-281	-282	-283	-284	-285	-286	-287	-288	-289	-290	-291	-292	-293	-294	-295	-296	-297	-298	-299	-300	-301	-302	-303	-304	-305	-306	-307	-308	-309	-310	-311	-312	-313	-314	-315	-316	-317	-318	-319	-320	-321	-322	-323	-324	-325	-326	-327	-328	-329	-330	-331	-332	-333	-334	-335	-336	-337	-338	-339	-340	-341	-342	-343	-344	-345	-346	-347	-348	-349	-350	-351	-352	-353	-354	-355	-356	-357	-358	-359	-360	-361	-362	-363	-364	-365	-366	-367	-368	-369	-370	-371	-372	-373	-374	-375	-376	-377	-378	-379	-380	-381	-382	-383	-384	-385	-386	-387	-388	-389	-390	-391	-392	-393	-394	-395	-396	-397	-398	-399	-400	-401	-402	-403	-404	-405	-406	-407	-408	-409	-410	-411	-412	-413	-414	-415	-416	-417	-418	-419	-420	-421	-422	-423	-424	-425	-426	-427	-428	-429	-430	-431	-432	-433	-434	-435	-436	-437	-438	-439	-440	-441	-442	-443	-444	-445	-446	-447	-448	-449	-450	-451	-452	-453	-454	-455	-456	-457	-458	-459	-460	-461	-462	-463	-464	-465	-466	-467	-468	-469	-470	-471	-472	-473	-474	-475	-476	-477	-478	-479	-480	-481	-482	-483	-484	-485	-486	-487	-488	-489	-490	-491	-492	-493	-494	-495	-496	-497	-498	-499	-500	-501	-502	-503	-504	-505	-506	-507	-508	-509	-510	-511	-512	-513	-514	-515	-516	-517	-518	-519	-520	-521	-522	-523	-524	-525	-526	-527	-528	-529	-530	-531	-532	-533	-534	-535	-536	-537	-538	-539	-540	-541	-542	-543	-544	-545	-546	-547	-548	-549	-550	-551	-552	-553	-554	-555	-556	-557	-558	-559	-560	-561	-562	-563	-564	-565	-566	-567	-568	-569	-570	-571	-572	-573	-574	-575	-576	-577	-578	-579	-580	-581	-582	-583	-584	-585	-586	-587	-588	-589	-590	-591	-592	-593	-594	-595	-596	-597	-598	-599	-600	-601	-602	-603	-604	-605	-606	-607	-608	-609	-610	-611	-612	-613	-614	-615	-616	-617	-618	-619	-620	-621	-622	-623	-624	-625	-626	-627	-628	-629	-630	-631	-632	-633	-634	-635	-636	-637	-638	-639	-640	-641	-642	-643	-644	-645	-646	-647	-648	-649	-650	-651	-652	-653	-654	-655	-656	-657	-658	-659	-660	-661	-662	-663	-664	-665	-666	-667	-668	-669	-670	-671	-672	-673	-674	-675	-676	-677	-678	-679	-680	-681	-682	-683	-684	-685	-686	-687	-688	-689	-690	-691	-692	-693	-694	-695	-696	-697	-698	-699	-700	-701	-702	-703	-704	-705	-706	-707	-708	-709	-710	-711	-712	-713	-714	-715	-716	-717	-718	-719	-720	-721	-722	-723	-724	-725	-726	-727	-728	-729	-730	-731	-732	-733	-734	-735	-736	-737	-738	-739	-740	-741	-742	-743	-744	-745	-746	-747	-748	-749	-750	-751	-752	-753	-754	-755	-756	-757	-758	-759	-760	-761	-762	-763	-764	-765	-766	-767	-768	-769	-770	-771	-772	-773	-774	-775	-776	-777	-778	-779	-780	-781	-782	-783	-784	-785	-786	-787	-788	-789	-790	-791	-792	-793	-794	-795	-796	-797	-798	-799	-800	-801	-802	-803	-804	-805	-806	-807	-808	-809	-810	-811	-812	-813	-814	-815	-816	-817	-818	-819	-820	-821	-822	-823	-824	-825	-826	-827	-828	-829	-830	-831	-832	-833	-834	-835	-836	-837	-838	-839	-840	-841	-842	-843	-844	-845	-846	-847	-848	-849	-850	-851	-852	-853	-854	-855	-856	-857	-858	-859	-860	-861	-862	-863	-864	-865	-866	-867	-868	-869	-870	-871	-872	-873	-874	-875	-876	-877	-878	-879	-880	-881	-882	-883	-884	-885	-886	-887	-888	-889	-890	-891	-892	-893	-894	-895	-896	-897	-898	-899	-900	-901	-902	-903	-904	-905	-906	-907	-908	-909	-910	-911	-912	-913	-914	-915	-916	-917	-918	-919	-920	-921	-922	-923	-924	</
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