

WATER DISTRIBUTION
AND HYDROMETRIC WORK

DISTRICT NO. 36

SNAKE RIVER, IDAHO

1966

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INTRODUCTION

The annual meeting of Water District No. 36 was held at Idaho Falls on March 7, 1966. H. C. Eagle was reelected as watermaster for the ensuing year.

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

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

Advisory members: Glenn Simmons, representing the Bureau of Reclamation; William Kerner, representing the Gooding Project; F. C. Gillette, representing Teton Basin, and Clyde Greenwell.

Principal resolutions adopted at the annual meeting were as follows:

1. That the following transmission losses be charged on stored water: 1.7% Moran to Palisades; 0.8% Palisades to Heise; 4.4% Heise to Lorenzo; 0.5% Lorenzo to Woodville; 6% Woodville to Blackfoot; 4% Henrys Lake to Island Park; 2% Island Park to Warm River; 0.5% Warm River to Ashton.
2. Adopted a budget of \$80,193 to cover the expense of operating the District during the coming year, of which it was estimated that \$35,000 would be available from Federal and State stream gaging funds.
3. Recommended the continuation of a pool committee to obtain and allocate rental water.
4. Reaffirmed support of an integrated multipurpose Lynn Crandall project.
5. Reaffirmed support for the Lower Teton Reclamation Project.

Precipitation and runoff for 1966 were much below normal. The average precipitation for nine representative stations for the water year ending September 30, 1966, was 11.99" compared to a normal of 15.52" and to 20.15" in 1965. Except for November the precipitation was below normal for each month from October through June. Above normal precipitation in September decreased the irrigation demand and permitted the restoration of some decrees.

Palisades reservoir contents was drawn down from 1,361,000 acre-feet usable contents on October 1, 1965, to 1,208,000 acre-feet on March 9, 1966. Repairs to the eroded stilling basin at the dam were in progress during the winter. This required some flood control space to prevent flooding of the construction area in the event of heavy rains or unusual melting prior to the completion of repairs.

Contents of American Falls Reservoir was kept below 1,300,000 acre-feet until March 10. This was required by the Chief Engineer of the Bureau of Reclamation as a safety precaution. It is likely that this requirement will continue in effect each year until the breakup of the ice on American Falls Reservoir or until extensive repairs or replacement occur at the dam. Canal diversions started early in April and American Falls reservoir did not physically fill. The maximum contents was 1,558,000 acre-feet on April 18. The American Falls right was filled by water adversely stored in Palisades Reservoir which would have physically filled American Falls Reservoir had it been released. There was no water available for storage to the Palisades right after March 28. Its usable contents on that date was 1,032,000 acre-feet or 86% of capacity.

The combination of unusual requirements at Palisades and American Falls thus made it impossible to fill the Palisades right even though the holdover the previous year was the greatest of record. All other reservoir rights were filled.

During the October through March period about 1,900,000 acre-feet in excess of Idaho Power Company rights spilled to waste past Milner.

Storage deliveries started in the lower valley on April 13. The 1916 "floodwater" rights were cut off on May 20. The lowest cuts in rights occurred July 29-31 and August 18-21, when the Butte and Market Lake October 16, 1890 right was cut off. Regulation in the upper valley was discontinued on October 3. The American Falls Reservoir March 31, 1921 right was restored on October 11. Some storage use continued in the lower valley until November 1.

Combined usable contents in the reservoir system on October 10 was 871,000 acre-feet. This is 21% of capacity and the lowest since 1961. Most of this storage was in upstream reservoirs which should keep next year's Milner spill to a minimum.

There was no curtailment of flow below power requirements at Minidoka dam except for a few days in March and April.

The Bureau of Reclamation continued studies of the Lynn Grandall and Fremont projects. The Corps of Army Engineers continued studies on the Ririe project on Willow Creek. This project and the Fremont project were authorized by Congress and start of construction now awaits an appropriation of funds.

PERSONNEL

The persons engaged in water distribution during 1966 were as follows:

H. C. Eagle	Watermaster and Deputy Com. of Reclamation
Arthur L. Larson	Hydraulic Engineer and Deputy Watermaster
Robert W. Harper	Engineering Technician and Hydrographer
C. Michael Bennett	Engineering Technician and Hydrographer
L. C. Anderson	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
Seth L. Hansen	Deputy Watermaster, Teton Basin
O. P. Mortensen	Deputy Watermaster, Lower Teton River
S. B. Garrett	Deputy Watermaster, Henrys Fork
Elmer Lenz	Deputy Watermaster, Upper Fall River
Bruce Cole	Deputy Watermaster, Heise Division
J. M. Brown	Deputy Watermaster, Rigby Division
J. A. Balmforth	Deputy Watermaster, Idaho Falls Division
Carl J. Anderson	Deputy Watermaster, Blackfoot Division
Estle Traughber	Deputy Watermaster, Swan Valley Division
Leland H. Moore	Deputy Watermaster, Swan Valley Division
Glenn Simmons	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
Jim Wilson	Supt. Palisades Res., Bureau of Reclamation
John Williams	Supt. Island Park Res., Bureau of Reclamation

Gage Readers: Foster B. Randall, D. R. Anthony, Bruce Cole, Mrs. Irvin Siepert, R. E. Wagner, W. R. Etherington, R. E. Seymour, Mario M. Purin, Ray Flavel, Dean W. Davis, Raymond Howerton, Earl D. Sears, Rogers Livingston, H. B. Gamble, W. A. Templeton, David Bean, Robert Weibel, Robert Timmons, Nalon Humphrey.

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 1943-62 for snow courses in use during that time.

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

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W	S	W
<u>Moran (Snake River)</u>								
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
1962	35	8.0	41	10.4	43	12.4	44	14.2
1963	11	1.8	27	5.2	29	8.6	25	8.2
1964	21	3.8	40	9.1	38	10.1	43	12.7
1965	37	10.3	52	14.1	48	15.8	50	17.6
1966	24	4.1	32	8.1	38	9.6	34	10.4
Normal		5.4		8.6		11.4		12.5

<u>Moran Canyon (Snake River)</u>								
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	-	(14.8)
1961	-	-	35	9.5	49	13.6	49	16.5
1962	-	-	57	17.3	65	23.0	70	26.0
1963	-	-	-	-	45	13.1	39	13.9
1964	-	-	54	13.7	49	16.7	66	20.4
1965	-	-	74	20.9	69	23.7	72	26.2
1966	-	-	46	12.9	54	16.0	49	17.8
Normal	-	-		13.6		19.1		23.1

<u>Arizona Station (Snake River)</u>								
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
1962	44	11.7	49	14.1	61	19.3	67	23.5
1963	15	3.0	30	5.7	36	9.8	33	10.3
1964	28	6.6	50	12.5	62	18.3	60	18.7
1965	48	13.7	67	19.8	63	22.2	66	25.0
1966	35	6.3	39	11.4	45	13.6	51	17.0
Normal		7.4		11.8		16.8		19.7

<u>Huckleberry Divide (Snake River)</u>								
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	20	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
1962	44	11.6	52	14.9	63	20.1	68	23.7
1963	16	3.5	35	6.6	42	10.7	38	11.6
1964	29	6.7	52	12.9	49	14.5	63	19.7
1965	46	12.7	66	18.9	64	22.7	65	24.1
1966	35	6.5	44	12.7	48	15.5	53	17.7
Normal		8.1		14.0		17.5		20.6

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>Snake River Station (Snake River)</u>								
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
1962	48	12.8	53	15.9	63	20.2	66	23.2
1963	19	4.8	41	8.3	49	13.2	44	14.6
1964	28	6.2	52	12.5	52	15.0	65	20.3
1965	46	12.8	66	18.6	71	23.8	70	25.7
1966	35	6.3	44	12.3	48	15.1	51	17.8
Normal		8.6		13.3		18.6		22.1
<u>Lewis Lake Divide (Snake River)</u>								
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
1962	86	25.9	86	30.8	116	42.4	133	50.4
1963	31	9.7	59	14.8	75	23.6	71	26.2
1964	45	12.8	79	22.8	79	26.8	112	37.3
1965	87	28.8	121	39.5	126	48.8	130	52.1
1966	66	14.8	77	25.4	81	30.1	89	34.9
Normal		18.4		27.6		38.1		45.9
<u>Aster Creek (Snake River)</u>								
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
1962	67	20.4	71	23.1	93	32.0	106	38.2
1963	28	8.0	48	10.9	61	17.7	56	19.2
1964	32	8.0	65	16.5	62	18.3	81	25.4
1965	78	24.7	102	33.9	99	37.9	107	41.9
1966	62	12.4	63	20.5	66	23.5	76	29.1
Normal		13.3		20.4		28.3		34.1
<u>Colter Creek (Snake River)</u>								
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
1962	-	-	55	16.2	68	21.9	70	25.4
1963	-	-	38	8.4	49	14.0	47	15.7
1964	-	-	57	12.8	52	16.4	74	22.4
1965	-	-	-	-	74	25.3	78	26.9
1966	-	-	-	-	55	16.3	43	16.4
Normal	-	-	-	14.4		20.6		24.1

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>Glade Creek (Snake River)</u>								
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
1962	51	14.0	56	17.5	70	23.4	70	27.4
1963	16	3.9	37	9.0	44	11.8	44	13.0
1964	29	6.5	52	12.9	50	15.1	67	20.6
1965	47	13.9	69	20.6	71	25.0	74	27.0
1966	37	6.8	46	13.3	57	16.3	54	19.1
Normal		9.1		14.4		19.9		23.9

<u>Base Camp (Snake River)</u>								
1957	30	7.3	53	12.4	59	18.4	61	22.3
1958	33	7.9	40	9.7	46	13.8	43	14.2
1959	-	-	51	11.5	58	15.3	55	17.7
1960	14	2.7	30	6.1	40	10.5	42	13.5
1961	-	6.3	32	7.3	44	11.5	38	12.3
1962	44	11.1	46	13.3	56	17.3	59	20.5
1963	17	4.0	42	8.6	42	12.0	37	12.4
1964	28	6.5	52	12.8	51	15.2	64	19.7
1965	52	16.0	81	23.8	71	26.9	75	29.9
1966	31	6.4	42	12.4	46	14.6	49	16.9
Normal		8.2		11.5		16.7		19.2

Average water content of ten Jackson Lake courses

1957	-	15.2	22.7	26.7
1958	-	13.4	19.1	21.1
1959	-	12.5	18.9	20.8
1960	-	7.5	12.7	15.5
1961	-	9.8	15.0	16.4
1962	-	17.4	23.2	27.2
1963	-	7.7	13.4	14.5
1964	-	13.8	16.2	21.7
1965	-	23.3	27.2	29.5
1966	-	14.3 (9)	17.1	19.7
Normal	-	15.0	20.7	24.5

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>						
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
1962	34	8.5	40	11.4	40	12.1
1963	27	4.9	31	7.1	22	6.4
1964	35	7.9	38	9.6	43	12.5
1965	48	10.6	40	12.4	42	12.9
1966	25	5.8	28	6.8	24	7.0
Normal		7.5		10.0		11.2

<u>Four Mile Meadows (Buffalo River)</u>						
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
1962	40	10.1	49	13.3	54	15.9
1963	35	6.3	42	10.0	36	10.5
1964	42	9.5	45	11.8	51	15.1
1965	50	12.3	44	14.0	48	16.1
1966	29	6.9	35	8.6	34	9.4
Normal		9.0		11.5		13.9

<u>Black Rock (Buffalo River)</u>						
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
1962	51	14.8	68	20.2	72	25.0
1963	48	9.1	60	15.8	52	17.5
1964	56	13.5	57	16.8	68	22.3
1965	77	20.3	68	24.5	76	28.2
1966	40	10.8	37	12.7	48	15.8
Normal		14.4		18.5		21.7

<u>Togwotee Pass (Buffalo River)</u>						
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
1962	66	21.6	86	28.3	89	33.4
1963	64	13.6	77	22.0	69	24.4
1964	70	18.3	70	22.1	85	30.3
1965	99	28.1	86	33.5	99	39.4
1966	49	14.6	57	17.5	58	21.2
Normal		19.6		25.0		31.3

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

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W	S	W
<u>Valley View Ranch (Henrys Fork)</u>								
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
1962	37	9.0	46	12.8	54	15.8	58	19.4
1963	21	4.7	31	7.6	32	8.4	35	9.0
1964	22	4.6	45	11.5	50	14.8	58	19.4
1965	45	11.2	76	23.5	64	24.0	65	25.9
1966	22	3.4	34	8.4	37	10.6	39	13.0
Normal		5.5		9.6		13.2		16.4
<u>Big Springs (Henrys Fork)</u>								
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
1962	49	13.5	56	17.5	68	22.8	69	25.6
1963	15	3.2	28	6.2	35	9.2	32	10.4
1964	26	5.8	49	11.4	53	14.9	65	21.8
1965	58	13.3	81	22.2	69	24.6	68	26.3
1966	23	3.3	41	10.5	46	13.9	44	16.8
Normal		7.9		13.7		19.6		22.6
<u>Island Park (Henrys Fork)</u>								
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
1962	40	10.2	49	13.2	57	17.6	62	20.3
1963	14	3.0	25	4.9	31	7.8	30	8.8
1964	23	4.5	42	8.7	43	11.1	51	15.9
1965	55	11.5	73	19.4	60	20.4	55	20.8
1966	19	2.5	36	8.4	40	11.2	34	11.5
Normal		6.1		10.8		15.3		17.6
<u>Grassy Lake (Falls River)</u>								
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
1962	70	20.4	77	25.6	92	34.4	100	39.9
1963	26	7.1	54	14.3	63	19.0	69	22.3
1964	40	10.1	74	19.7	78	24.4	97	33.1
1965	71	22.6	103	32.8	102	28.5	103	42.6
1966	48	10.8	65	19.1	79	25.4	75	28.8
Normal		14.7		22.3		30.8		36.8

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

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	SS	W	S	W
<u>Teton Pass (Teton River)</u>								
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
1962	65	18.3	82	26.2	96	32.9	110	42.1
1963	23	5.8	33	8.5	52	16.0	65	21.3
1964	33	9.0	64	17.7	67	21.7	85	27.7
1965	70	20.6	92	28.7	100	38.6	106	39.0
1966	34	7.1	46	13.5	53	17.2	62	22.0
Normal		14.0		22.4		30.1		37.4

<u>State Line (Teton River)</u>								
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
1962	35	8.1	40	10.4	48	14.0	48	15.5
1963	9	1.9	19	4.0	21	5.9	23	6.5
1964	21	4.0	38	9.8	41	12.2	50	16.8
1965	32	9.0	48	13.0	51	16.1	59	17.7
1966	16	3.5	25	6.4	29	7.8	33	11.1
Normal		6.1		9.8		13.3		16.1

<u>East Rim (Hoback River)</u>								
1957	21	5.2	28	6.7	33	9.3	36	11.1
1958	28	5.9	27	6.5	33	8.9	36	9.9
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
1962	32	8.2	39	10.5	45	11.8	51	14.4
1963	7	1.0	27	4.8	27	5.8	26	6.7
1964	-	-	30	5.8	32	7.4	41	10.0
1965	-	-	51	12.3	49	16.6	52	17.7
1966	-	-	23	5.2	27	6.3	22	7.1
Normal	-	-		6.4		10.0		11.9

<u>Bryan Flat (Hoback River)</u>								
1957	21	4.5	28	5.8	27	8.3	31	9.2
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
1962	-	-	36	9.7	40	11.5	42	13.2
1963	-	-	13	2.3	7	1.9	5	1.6
1964	-	-	26	4.7	28	5.8	36	8.2
1965	-	-	35	11.5	37	13.4	38	14.0
1966	-	-	26	6.5	35	8.5	23	8.2
Normal	-	-		7.0		9.1		11.1

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>Gros Ventre (Gros Ventre River)</u>								
1957			31	7.1	42	9.0	41	12.6
1958			32	6.7	-	7.2	32	8.8
1959			-	-	43	11.9	46	13.7
1960			21	5.0	-	14.0	31	9.0
1961			19	4.0	34	8.0	37	9.8
1962			43	12.0	54	15.0	57	17.1
1963			37	8.5	32	8.0	34	9.2
1964			37	8.0	34	8.0	49	17.2
1965			58	14.5	56	19.0	55	19.0
1966			25	5.5	41	10.5	37	8.6
Normal				8.1		11.1		12.8

<u>Grover Park Divide (Salt River)</u>								
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
1962	30	8.1	37	10.5	43	12.9	40	15.0
1963	7	1.0	23	5.1	30	7.4	25	8.1
1964	18	3.9	30	6.7	33	9.0	42	13.1
1965	31	7.9	51	12.4	41	13.6	40	13.4
1966	22	4.1	25	5.9	30	7.8	26	8.5
Normal		5.0		7.7		10.4		12.4

<u>CCC Camp FF12 (Salt River)</u>								
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
1962	31	7.0	36	9.3	45	11.7	40	11.5
1963	8	1.6	22	5.0	28	7.8	27	8.5
1964	20	4.0	36	8.0	38	9.6	45	13.5
1965	38	8.8	49	13.4	48	16.3	50	16.6
1966	16	3.5	28	5.4	32	8.1	28	7.6
Normal		5.1		7.8		10.4		12.0

<u>Salt River Summit (Salt River)</u>								
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
1962	40	8.7	44	13.0	57	14.9	55	19.4
1963	11	2.0	29	5.6	41	10.4	38	11.8
1964	24	5.4	45	10.3	43	12.5	54	16.6
1965	50	12.4	60	16.6	60	22.1	56	19.6
1966	23	5.9	35	8.5	41	12.0	38	11.5
Normal		6.5		10.2		13.3		15.0

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

Year	Jan. 1		Feb. 1		Mar. 1		April 1	
	S	W	S	W	S	W	S	W
<u>Greys Boundary (Greys River)</u>								
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
1962	30	6.8	39	9.5	42	10.9	39	13.2
1963	T	0	20	4.5	12	3.3	T	0
1964	24	4.2	39	9.8	40	11.6	51	15.1
1965	19	4.4	41	9.1	35	10.8	35	11.9
1966	14	3.3	25	4.9	32	8.1	26	7.4
Normal		4.9		7.8		10.8		12.2

On April 1, 1966, the snow (water content) was the following average percent of normal: above Jackson Lake 80%, Moran to Heise 67%, Island Park 73%, Falls River 78%, Teton River 62%.

Comparable figures for run-off during the year ending September 30, 1966, as percent of normal were: Snake River at Moran 84%, Snake River near Heise 85%, Henrys Fork near Ashton 106%, Falls River near Squirrel 88%, Teton River near St. Anthony 81%.

The high runoff at Ashton compared to low snow surveys is probably caused by lag in runoff from heavy 1965 precipitation. To a lesser extent this applies to the other stations.

Precipitation for November, July 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, 1966

<u>Station</u>	<u>Runoff in Acre-feet - April thru Sept.</u>		
	<u>Forecast</u>	<u>Observed*</u>	<u>% difference</u>
Snake River at Moran	692,000	689,800	+ 3.2
Snake River near Heise	3,000,000	2,953,000	+ 1.6
Salt River near Etna	262,000	250,300	+ 4.7
Henrys Fork near Ashton	575,000	544,700	+ 5.6
Teton River nr. St. Anthony	315,000	262,000**	+20.2

* Corrected for storage in upstream reservoirs

** Corrected for inflow from Cross Cut Canal.

Forecasts by U. S. Weather Bureau - April 1, 1966

<u>Station</u>	<u>Runoff in acre-feet - April thru Sept.</u>		
	<u>Forecast</u>	<u>Observed*</u>	<u>% difference</u>
Snake River at Moran	745,000	689,800	+ 8.0
Snake River near Heise	3,050,000	2,953,000	+ 3.3
Salt River near Etna	210,000	250,300	-16.1
Henrys Fork near Ashton	452,000	544,700	-17.0
Henrys Fork near Rexburg	945,000	1,697,000**	-44.3
Falls River nr. Squirrel	380,000	299,400	+26.9
Teton River nr. St. Anthony	330,000	262,000	+26.0

* Corrected for storage in upstream reservoirs

** Corrected for diversions.

1966 REGULATION SCHEDULE

April	14	Cut off rights later than July 28, 1939
May	5	Filling part of October 7, 1905 priority
	11	Filling part of March 30, 1921 priority
	20	Filled December 14, 1909 priority
	22	Filled June 16, 1908 priority
June	3	Filled part of October 7, 1905 priority
	9	Cut off January 16, 1916 rights on Henrys Fork and upper Snake River
	10	Cut off 1909 rights
	13	Filled part of October 7, 1905 right
	22	Filled part of June 16, 1908 right
	27	Filled part of October 7, 1905 right
	29	Filled part of March 26, 1903 right
	30	Cut off October 11, 1900 rights above Blackfoot
July	6	Cut off 1899 rights above Blackfoot
	7	Cut off 1896 rights
	8	Cut off rights later than February 6, 1895
	9	Cut off February 6, 1895 right
	10	Cut off August 18, 1894 right
	15	Cut off 1893 rights
	18	Cut off June 1, 1892 rights

1966 Regulation Schedule - continued

July	19	Cut off all 1892 rights
	20	Cut off December 14, 1891 priority
	25	Cut off June 1, 1891 priority
	27	Filled 50% January 24, 1891 priority
	28	Cut off January 24, 1891 priority
	29	Cut off October 16, 1890 priority
Aug.	1	Restored October 16, 1890 priority
	3	Filled 50% January 24, 1891 priority
	6	Restored June 1, 1891 priority-
	11	Cut off June 1, 1891 priority-
	12	Cut off January 24, 1891 priority
	18	Cut off October 16, 1890 priority
	22	Restored June 1, 1891 rights-
	25	Filled 25% of December 14, 1891 rights-
	30	Cut off December 14, 1891 rights-
	31	Cut off June 1, 1891 rights-
Sept.	3	Restored all 1891 rights
	13	Cut off June 1, 1891 rights
	14	Restored 1891 rights
	16	Restored 1896 rights-
	17	Filled part of October 7, 1905 rights -
	25	Cut off June 1, 1895 rights
	27	Filled 10% February 6, 1895 right
	28	Cut off January 9, 1895 right
Oct.	3	Restored all rights and discontinued regulation in upper valley
	11	Filling part of March 31, 1921 priority.

WATER SUPPLY

Runoff in acre-feet at various gaging stations during the year ending September 30, 1966, was as follows:

<u>Station</u>	<u>1966 Runoff</u>	<u>Average runoff past years</u>	<u>Years of Record</u>	<u>1966 % of Average</u>
Snake River at Moran	870,400	1,038,000	63	84
Snake River near Heise	4,222,000	4,951,000	56	85
Snake River at Neeley	4,009,000	4,898,000	40	82
Falls River near Squirrel	477,800	545,600	52	88
Teton River near St. Anthony	436,800	539,700	33	81
Henrys Fork near Ashton	1,053,000	995,900	46	106
Henrys Fork near Rexburg	1,119,000	1,376,000	57	81

The runoff at Moran has been corrected for Jackson Lake holdovers; near Heise for Jackson Lake and Palisades holdovers; at Neeley for Palisades and American Falls holdovers; at Squirrel for Grassy Lake holdovers; at Ashton for Island Park and 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.

Runoff was below normal for all stations except Henrys Fork near Ashton.

Peak daily discharges were as follows:

Snake River at Moran	4,960 cfs on June 2
Snake River near Heise	20,100 cfs on May 10
Snake River near Blackfoot	14,800 cfs on May 14
Henrys Fork near Rexburg	3,810 cfs on May 12
Teton River near St. Anthony	2,510 cfs on May 11
Blackfoot River near Blackfoot	965* cfs on Nov. 1
Snake River at Milner	9,920 cfs on Dec. 6

* Includes 575 cfs in Bypass channel.

No flooding occurred on any of the above streams.

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</u>
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
1962	525.4	770	265	92.5	67.5	65.0	11.3	1,796.7
1963	611.9	696	353	87.0	64.1	33.5	6.3	1,851.8
1964	588.4	849	475	89.8	62.8	68.7	10.4	2,144.1
1965	631.6	1,161	1,023	95.3	70.4	102.8	11.3	3,095.4
1966	516.8	271	9	49.7	56.3	5.5	6.6	914.9
Av.	491.7	549	288	71.3	59.2	38.9	8.4	1,506.3

Palisades figures are after deducting 200,000 acre-feet dead storage. The usable capacity of the above reservoirs is 4,076,000 acre-feet. The 1966 holdover is the lowest since 1961.

CHANGES IN PCINT OF DIVERSION

None.

LITIGATION

On November 12, 1964, the District Court of the Twelfth Judicial District for the County of Fremont entered a decree for waters of Badger Creek with a priority date of April 1, 1939, as follows:

Nathan Ricks, 2.6 cfs; Alfred Ricks, 5.0 cfs;
Owen R. Ricks, 8.4 cfs; P. S. Rammell and Leon Rammell, 6.6 cfs;
P. S. Rammell, 4.4 cfs; John Reiley, 6.0 cfs; Horace
Robson, 2.4 cfs; Leon Ward, 11.0 cfs; Rueland Ward, 7.6 cfs;
Myrtle Williams, 5.4 cfs; Carol Stewart Erickson, Marie Hender-
son, Grace Wilhelm, Erma Shelley and Rega Shelley, 5.8 cfs.

On June 6, 1966, the District Court of the Twelfth Judicial District entered a decree of 0.2 cfs of the waters of Mahogany Creek with a priority date of June 1, 1889, and a decree of 3.0 cfs of the waters of Mahogany Creek with a priority date of July 1, 1890, to Darrell C. Buxton and Mary Buxton. The above decree corrects an error in the place of use in the original decree.

COMMUNITY LATERAL MANAGERS

None.

CANAL DELIVERIES

Daily diversions from Snake River by canals above American Falls reservoir during the 1966 irrigation season are shown on Plates 6-10, 53, 54. Daily diversions for canals below American Falls are shown on Plates 58-70. Miscellaneous measurements of various canals and streams in the headwater areas are shown on Plate 24.

Total canal diversions during the 1966 irrigation season by all canals in the district, including headwater areas, as tabulated in the annual watermaster bill, amounted to 8,279,000 acre-feet. This is almost as high as the 1962 year which was the greatest of record.

Diversions during 1966 irrigation season by Snake River
Canals (downstream order from Heise)

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

Canal	Diversions (acre-feet)	Acres Irrigated	Acre-feet per acre
Riley	6,190	900	6.9
Progressive Irr. Dist.	262,200 (a)	33,000	8.0
Farmers Friend	106,000	10,000	10.6
Enterprise Canal	44,300	5,200	8.5
Nelson	280	55	5.1
Mattson Craig & Arnsberger	3,700	605	6.1
Ross & Rand	830	145	5.7
Butler Island	12,600	1,110	11.3
Steele	2,070	220	9.4
Harrison	155,100	13,000	11.9
Cheney	1,810	130	10.6
Rudy Irr. Co.	66,160	5,000	13.2
Kite & Nord	1,790	210	8.5
Burgess	250,800	22,000	11.4
Clark & Edwards	20,620	1,800	8.7
Lowder	12,230	1,000	12.2
East Labelle	34,660	3,000	11.5
Sunnydell	42,880	3,780	8.8
Lenroot	32,100	3,100	9.7
Reid	49,610	5,500	9.0
Texas Feeder	71,050	10,000	7.1
Nelson Corey	1,760	270	6.5
Hill Pettinger	970	200	4.8
Rigby	49,960	4,000	12.5
Dilts	6,720	610	11.0
Island	48,110	4,000	12.0
W. Labelle & Long Island	141,800	11,500	12.3
Parks & Lewisville	90,490	7,000	12.9
North Rigby	14,970	1,400	10.7
White	900	110	8.2
Ellis	800	70	11.4
Bramwell	2,400	470	5.1
Butte & Market Lake	86,460	20,000	4.3
Osgood	14,120 (d)	6,200	2.3
Bear Island & Smith	1,410	330	4.3
Idaho	306,800 (a)	35,860	8.6
Kennedy	10,470	2,700	4.3
Great Western & Porter	220,600	30,220 (b)	7.3
Kellar	0	0	0
Woodville	24,870	2,350	10.1
Snake River Valley	196,600 (a)	21,520	9.1
Reservation	86,910 (c)	42,290	2.1
Blackfoot	88,730	15,000	5.9
New Lava Side	41,740	6,000	7.0

Diversions by Snake River canals, 1966 - continued

Canal	Diversions (acre-feet)	Acres Irrigated	Acre-feet per acre
Peoples	129,300	20,000	6.5
Aberdeen	368,800	63,000 (f)	5.9
Corbett	55,100	6,000	9.2
Nielsen-Hansen	2,520	460	5.5
Riverside	36,440	5,000	7.3
Danskin	55,100	6,000	9.2
Trego	19,700	1,800	10.9
Wearyrick	15,320	1,600	9.6
Watson	31,860	3,000	10.6
Parsons	13,030	930	14.0
Fort Hall Michaud Canal	30,080 (d)	8,693 (d)	3.5
Falls Irrig. District	25,280 (e)	6,704 (e)	4.2
Minidoka Irr. Dist.	517,480	72,200	7.2
Burley Irr. Dist.	298,360	43,200	6.9
A&B Irrigation Dist.	53,860	14,520	3.7
Twin Falls Canal Co.	1,116,000	202,700	5.5
North Side Canal Co.	1,152,000	149,400	7.7
Milner Low Lift	67,440	13,420	5.0
Gooding	445,600	63,700	7.0
Total	7,047,840	1,014,182	7.0

(a) Received additional water from Willow and Sand Creeks

(b) Includes 7,680 acres outside New Sweden District to which water was delivered.

(c) Received additional water from Sand Creek & Blackfoot R.

(d) An additional 2,721 acre-feet was pumped from wells for irrigation of another 1,343 acres

(e) Acreage includes 636 acres of non-project land supplied from canal. An additional 210 acres was irrigated from wells by private users. Another 3,658 acres of project land was irrigated by pumping 9,136 acre-feet from wells.

(f) Reported 48,538 acres actually irrigated.

These main river canals diverted about 7% more water than in 1965 and more than for any previous year.

Of the 3,651,000 acre-feet diverted by lower valley canals (below Neeley), 2,045,000 acre-feet or 56% was stored water. Upper valley main canals diverted 3,397,000 acre-feet, of which 703,000 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>
1957	172	665	854	727	551	2,969
1958	509	733	811	597	435	3,085
1959	580	788	814	690	519	3,391
1960	592	791	825	615	487	3,310
1961	584	746	711	521	292	2,854
1962	530	749	837	703	557	3,376
1963	303	553	907	668	476	2,907
1964	277	560	869	717	556	2,979
1965	389	721	806	661	468	3,045
1966	623	783	810	642	485	3,343
Average	456	709	824	654	483	3,126

Henrys Fork and Tributaries
(excluding headwater areas)

1957	152	248	262	212	134	1,008
1958	209	247	231	177	114	978
1959	223	270	233	190	130	1,046
1960	216	261	221	178	132	1,008
1961	170	247	174	138	75	804
1962	235	261	221	196	140	1,053
1963	174	207	250	189	115	935
1964	163	212	256	203	144	978
1965	188	249	248	197	124	1,006
1966	225	240	215	169	117	966
Average	196	244	231	185	122	978

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>
1957	25	117	155	185	162	109	753
1958	22	174	149	181	167	96	789
1959	74	119	166	183	159	85	766
1960	46	162	165	188	157	109	827
1961	21	169	156	175	134	28	683
1962	30	122	140	189	163	111	755
1963	18	116	114	191	160	89	688
1964	5	133	97	200	178	112	725
1965	27	136	158	187	139	111	758
1966	76	172	150	191	155	86	830
Average	34	142	145	187	157	94	759

North Side Canal Co. Project

<u>Year</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Season</u>
1957	58	194	213	240	232	176	1,113
1958	61	208	214	243	230	168	1,124
1959	106	181	201	234	223	142	1,087
1960	76	194	206	240	226	170	1,112
1961	84	185	147	196	159	60	831
1962	70	190	202	247	236	191	1,136
1963	71	183	193	246	230	168	1,091
1964	42	186	201	247	244	192	1,112
1965	86	195	209	237	224	166	1,117
1966	109	217	212	243	229	172	1,182
Average	76	193	200	237	223	160	1,089

Twin Falls Project

1957	61	192	196	225	218	157	1,049
1958	85	209	196	225	215	144	1,074
1959	118	185	190	222	213	128	1,056
1960	95	207	201	227	215	160	1,105
1961	108	194	190	228	204	110	1,034
1962	98	196	191	232	223	181	1,121
1963	76	193	186	238	220	162	1,075
1964	41	197	185	239	233	178	1,073
1965	98	209	203	232	219	159	1,120
1966	140	220	190	226	219	164	1,159
Average	92	200	193	229	218	154	1,086

Gooding Project

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
1962	22	83	87	102	99	85	478
1963	15	75	82	101	94	81	448
1964	2	76	90	102	97	79	446
1965	16	75	82	95	85	71	424
1966	27	88	88	94	82	67	446
Average	18	80	86	97	90	68	439

Most diversions were among the highest of record. Those on part of Henrys Fork area and to the Gooding Project were limited by available supply.

Ground water, both east and west of Rigby, again reached fairly high levels in August and September.

RIVER DATA

The usual methods of segregating stored water and normal flow at the reservoir outlets was continued in use during 1966. Palisades reservoir was operated on the same basis as Jackson Lake, namely, convert the daily drop in Lake level to second-feet and call it storage released from Palisades. For some time after storage draft started a lag of several days was maintained in making normal flow cuts to avoid any possible natural flow losses at the high lake levels existing at Palisades and Jackson Lake. Later on in the season when dropping lake and river levels resulted in bank storage return this water was gradually recovered for credit as stored water so that it balanced out by the end of the irrigation season.

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

The computations on the above plates are more involved than is usually the case. American Falls reservoir did not fill physically. There was no normal flow to store to the Palisades right after March 28. Storage use in the lower valley started on April 13. Jackson Lake filled under its priority right on June 16. For many days in May and June Jackson Lake stored water that belonged to lower valley rights. On these days a negative figure appears in the stored column on above mentioned plates. This is determined for much of time by starting at the upper end of the river and filling rights prior to the Jackson Lake 1906 priority.

For example, on June 6 (Moran date) there was 4,070 acre-feet or 2,035 cfs stored. This is shown in Moran stored column as -2,035. Subtracting 35 cfs stored loss this becomes -2,000 at Alpine. On June 7 there was 4,000 acre-feet (2,000 cfs) storage release at Palisades. This combined with the 2,000 at Alpine leaves a zero storage figure for Snake at Irwin. Proceeding downstream and accounting for Henrys Fork storage inflow (408) and storage diversions and losses there is a balance of -832 cfs at Blackfoot on June 9. Combining with actual flow of 2,070 cfs gives normal flow at Blackfoot of 2,902 cfs. Adding calculated inflow of 2,624 cfs gives normal of 5,526 at Neeley. This is distributed 1,726 to Minidoka canals; 820 cfs to North Side Canal and 2,980 to Twin Falls Canal.

There are many days when only part of water stored in Jackson was needed to fill prior decrees. On these days it is necessary to start computations at the lower end of the river and work upstream. This is illustrated on May 31 (Milner time). Filling 1906 rights gives 2,650 cfs to North Side and 3,000 cfs to Twin Falls, making 5,650 cfs at Minidoka. Adding the Minidoka Project 1,726 cfs right requires a normal of 7,376 at Neeley. Subtracting the 2,642 calculated inflow leaves a normal of 4,734 cfs at Blackfoot on May 29. Actual flow was 1,440 and calculated storage is -3,294. Accounting for river losses this becomes -3,714 cfs at Irwin on May 27. Palisades Reservoir stored adversely 3,000 a.f. or 1,510 cfs that day. Subtracting this from -3,714 leaves -2,204 cfs stored at Alpine and -2,242 at Moran. From May 26 to 27 Jackson stored 7,470 acre-feet. Of this amount 4,372 was required to fill prior rights as indicated by the -2,204 cfs (4,372 a.f.). The balance was

available for storage to Jackson Lake rights. For much of the time for period March 28 to June 16 normal flow was being released at Moran that could have been stored to Jackson rights. This far exceeds the adverse storage indicated by negative storage figures at Moran and thus allows the Jackson Lake right to be 100% filled.

For period May 10-16 (Neeley time) there was water available to credit to the American Falls right. On May 10 the 1921 rights were filled as follows: Minidoka canals 2,726 cfs, Gooding (May 11) 850, North Side 3,606, Twin Falls 3,600, Milner Low Lift 125, or a total of 10,911 cfs normal at Neeley. On May 8, Palisades stored 2,000 a.f. which becomes -1,000 cfs at Irvin. This becomes -887 at Blackfoot on May 9. Actual flow was 7,270 making normal of 8,157. Adding this to 2,798 makes 10,955 at Neeley on May 10. This is greater than the 10,911 required to fill lower rights and permits storage to the 1921 right of 44 cfs plus the 1,000 acre-feet actually stored in American Falls that day. The amounts stored on following days are greater.

The total credited to American Falls right was in excess of its 1,700,000 acre-feet capacity and permitted a credit to American Falls refill. Distribution of this refill is shown in the section of this report under American Falls allotment.

Total storage passing the Blackfoot station during the season amounted to 403,293 acre-feet. This is many times greater than in most years because American Falls Reservoir was completely evacuated and the extra water was required to fill downstream demands. For this reason there were storage charges for river loss to lower valley canals. The determination of these charges is shown in a later part of this report.

The Indian Service 1891 decree was cut July 20 to August 25 and August 30 to September 2. Blackfoot Reservoir holdover on September 30 was 152,500 acre-feet.

A number of canals were bothered with moss growth during the 1966 season. The Aberdeen canal reported an overall loss of 37.9% compared to 35.7% in 1965.

STORED WATER DELIVERIES

Reservoir Allotments

American Falls

American Falls contents on April 15		1,549,000 acre-feet
Adverse storage in Palisades Reservoir (Mar. 28 to Apr. 13)		60,180 " "
Adverse storage in upstream reservoirs (April 14 to May 16)		20,620 " "
Normal flow at Blackfoot (May 10-17)	122,399 cfs	
Normal flow at Neeley (May 10-17)	<u>84,412</u>	
Credit to American Falls	37,987 cfs =	<u>75,346</u> " "
Total		1,705,146 acre-feet
Credit to American Falls Refill		5,146 acre-feet
Fill American Falls allotments 100%.		

The distribution of the above refill is shown in the following table. It prorates the credit on the basis of storage water used up to May 17.

American Falls Refill

Storage use in cfs (April 1 to May 17)

<u>Canal</u>	<u>Use</u>	<u>Percent</u>	<u>Refill credit (acre-feet)</u>
Fort Hall Michaud	1,140	1.608	83
Falls Irrigation Dist.	1,090	1.537	79
Minidoka Canals	13,998	19.743	1,016
Minidoka N. S. Pump	3,647	5.144	265
Gooding	31,238	44.059	2,267
North Side Canal	11,687	16.484	848
Twin Falls Canal	4,690	6.615	340
Milner Low Lift	<u>3,409</u>	<u>4.810</u>	<u>248</u>
Total	70,899	100.00	5,146

Jackson Lake

Jackson Lake filled to capacity on June 16. All rights were 100% filled requiring an allotment of 847,000 acre-feet.

Palisades Reservoir

Palisades Reservoir usable contents on March 28 was 1,032,000 acre-feet. There was no normal flow after this date available for the Palisades 1939 priority. All rights were 86% filled.

1966 Storage Allotments in Acre-feet (Downstream order from Heise)

<u>Canal</u>	<u>American Falls</u>	<u>Jackson Lake</u>	<u>Palisades</u>	<u>Total</u>
Poplar Irrigation Dist.	673	1,589	1,333	3,595
Progressive Irr. Dist.	12,485	7,209	24,510	44,204
Farmers Friend		2,000	8,084	10,084
Enterprise Canal Co.	8,923	11,252	16,856	37,031
Mattson Craig			1,238	1,238
Butler Island			215	215
Harrison	12,025	11,943	20,210	44,178
Rudy	2,649	3,530	13,502	19,681
Burgess	9,496	10,603	27,004	47,103
Clark & Edwards			688	688
Lowder		1,040	1,376	2,416
East Labelle			688	688
Sunnydell		4,000	5,418	9,418
Lenroot	3,868	5,234	6,751	15,853
Reid	2,549	1,472	2,709	6,730
Texas & Liberty Park			4,042	4,042
Enterprise Irr. Dist. (N.F.)	10,188	5,883		16,071
Fremont Madison Dist. (N.F.)			860	860
Rigby			5,418	5,418
Island			4,042	4,042
Dilts	886	511	1,032	2,429
West Labelle			860	860
Long Island			4,300	4,300
Parks & Lewisville			4,730	4,730
North Rigby			1,032	1,032
Butte & Market Lake	4,666	2,695	37,840	45,201
Osgood (U.I.S.Co.)	13,459	7,771	13,115	34,345
Bear Island	191	110		301
Sakaguchi (Smith & Kennedy)	71	91		162
Clement Bros (Kennedy)		105		105
Owners Mutual		200	249	449
Shattuck Irrigation			3,354	3,354
Idaho	22,911	13,230	50,568	86,709

1966 Storage Allotments - continued

<u>Canal</u>	<u>American Falls</u>	<u>Jackson Lake</u>	<u>Palisades</u>	<u>Total</u>
Martin	2,006	2,659	4,816	9,481
New Sweden Irr. Dist.	25,731	19,857	27,004	72,592
West Side Mutual			2,021	2,021
Woodville	6,047	3,491	5,160	14,698
SNAKE RIVER VALLEY	26,367	30,225	30,358	86,950
Palisades Water Users			43,198	43,198
Blackfoot	12,763	7,370	3,483	23,616
New Lava Side			10,105	10,105
Peoples	21,415	20,365	30,100	71,880
Aberdeen	55,591	74,626	131,408	261,625
Corbett	3,396	1,961	5,418	10,775
Riverside			1,290	1,290
Danskin			2,021	2,021
Trego	1,314	758	2,752	4,824
Wearyrick			516	516
Watson			2,021	2,021
Parsons			602	602
Total above Blackfoot	259,670	251,780	564,297	1,075,747
Michaud (Indian Service)	47,700		72,154	119,854
Falls Irrig. Dist.	23,300		35,174	58,474
Minidoka Irrig. Dist.	83,563	186,030	30,100	299,693
Burley Irrig. Dist.	157,942		33,712	191,654
A&B Irr. Dist. (Min. NS Pump)	47,593		78,088	125,681
Milner Low Lift	45,687		38,270	83,957
Twin Falls Canal Co.	151,185	97,183		248,368
Hillsdale	41,146			41,146
North Side Canal Co.	397,214	312,007	100,276	809,497
Gooding	400,000		860	400,860
Idaho Power Co.	45,000			45,000
City of Pocatello			43,000	43,000
Westvaco			4,300	4,300
J. R. Simplot			2,150	2,150
*U. S.			29,619	29,619
Total below Blackfoot	1,440,330	595,220	467,703	2,503,253
Grand Total	1,700,000	847,000	1,032,000	3,579,000

* Wyoming 28,380; Salmon Falls 860; Contingencies 379.

The location of holdovers in the various reservoirs was computed by the watermaster as shown in the following table. These may be changed if desired by any canal prior to the 1967 irrigation season.

Hoidovers at end of Irrigation Season, 1966

<u>Canal</u>	<u>American Falls</u>	<u>Jackson Lake</u>	<u>Palisades</u>	<u>Total</u>
Progressive Irr. Dist.				
Farmers Friend			9,857	9,857
Enterprise Canal Co.			2,833	2,833
Mattson Craig			12,824	12,824
Harrison			591	591
Rudy			6,627	6,627
Burgess			4,555	4,555
Clark & Edwards			4,960	4,960
Lowder			8	8
East Labelle			865	865
Sunnydell			522	522
Lenroot			1,775	1,775
Reid		655	6,320	6,975
Texas & Liberty Park	700	710	1,220	2,630
Enterprise Irr. Dist. (N.F.)	1,265	1,000	2,653	2,653
Rigby			2,011	2,011
Island			1,751	1,751
Dilts		149	940	1,089
West Labelle			403	403
Long Island			2,170	2,170
Parks & Lewisville			2,280	2,280
North Rigby			460	460
Butte & Market Lake	801	1,000	36,750	38,551
Osgood	7,589	7,000	12,920	27,509
Owners Mutual		200	137	337
Shattuck Irrigation			2,522	2,522
Idaho	4,071	4,000	45,760	53,831
Martin			2,218	2,218
New Sweden	3,881	4,000	21,410	29,291
Woodville			4,161	4,161
Snake River Valley			12,143	12,143
Palisades Water Users			19,033	19,033
Blackfoot	12,349	7,000		19,349
New Lava Side			8,332	8,332
Peoples			11,255	11,255
Aberdeen			63,107	63,107
Corbett			1,009	1,009
Riverside			302	302
Danskin			1,109	1,109
Trego	1,108	700	2,620	4,428
Wearyrick			346	346
Parsons			44	44
Total above Blackfoot	31,764	26,414	310,803	368,981

Holdovers at End of Irrigation Season, 1966 - continued

<u>Canal</u>	<u>American Falls</u>	<u>Jackson Lake</u>	<u>Palisades</u>	<u>Total</u>
Fort Hall Michaud			41,225	41,225
Falls Irrig. Dist.			22,624	22,624
Minidoka Irr. Dist.		40,807	29,672	70,479
Burley Irr. Dist.	19,118		36,528	55,646
A&B Irrig. Dist.			69,671	69,671
Milner Low Lift			21,311	21,311
Twin Falls Canal		61,825		61,825
North Side Canal		70,000	4,987	74,987
City of Pocatello			43,000	43,000
Westvaco			2,900	2,900
Simplot			0	0
U. S.			29,619	29,619
Total below Blackfoot	19,118	172,632	301,537	493,287
Grand Total	50,882	199,046	612,340	862,268

The above figures will be reduced by 1½% if reservoirs do not fill in 1967.

At the end of the season there was about 270,000 acre-feet of Palisades water in Jackson Lake.

There was 258,447 acre-feet of storage delivered to lower valley canals in excess of their allotments plus American Falls exchange from upper valley canals. This required a charge for river transmission loss. Computations are shown on following table:

Computation of Lower Valley River Transmission Losses, 1966
(Figures in Acre-feet)

<u>Canal</u>	<u>Total Use</u>	<u>Lower Valley Supply</u>	<u>Used from Upper Valley</u>	<u>Percent</u>
Fort Hall Michaud	29,498	83	29,415	5.469
Falls Irrig.	25,283	13,379	11,904	2.213
Minidoka Project	529,674	413,121	116,553	21.670
A&B Irrig. Dist.	55,841	47,858	7,983	1.484
Gooding Project	452,442	450,860	1,582	.294
North Side Canal	757,710	439,208	318,502	59.217
Twin Falls Canal	184,834	151,525	33,309	6.193
Milner Low Lift	64,544	45,935	18,609	3.460
Total			537,857	100.
American Falls Upper Valley storage to exchange				279,410
Upper reservoir water to lower valley				258,447

Computation of Lower Valley River Transmission Losses - continued

<u>Canal</u>	Share of		<u>Upper Reservoir Storage Use</u>	<u>River Loss</u>
	<u>American Falls Exchange</u>	<u>Jackson</u>	<u>Palisades</u>	
Fort Hall Michaud	15,281		14,134	1,597
Falls Irrig. Dist.	6,183		5,721	646
Minidoka Project	60,548	56,005		7,169
A&B Irrig. Dist.	4,146		3,837	434
Gooding	821		761	85
North Side	165,458	100,000	53,044	18,794
Twin Falls	17,304	16,005		2,049
Milner Low Lift	<u>9,669</u>	<u> </u>	<u>8,940</u>	<u>1,010</u>
Total	279,410	172,010	86,437	31,484

The storage rental committee consisting of E. H. Neal, Leonard Graham, and H. C. Eagle supervised water rentals.

Summary of Water District No. 36 Rentals - 1966

<u>Supply</u>		<u>Use</u>	
U. S. Indian Service	47,700 a.f.	Swan Valley	861 a.f.
Falls Irrigation Dist.	10,000	Heise to Shelley	4,631
Blackfoot Irr. Dist.	2,970	Reservation Canal	1,250
Paul Traughber	400	Milner Low Lift	2,660
M. J. Danielsen	80	Henrys Fork	1,701
C. W. Burke	300	Teton Basin	1,988
Elvin McCulloch	<u>700*</u>	American Falls Res.	
		Dist. No. 2	48,600
	62,150	Other	<u>409</u>

*Tentative rental at time of this report.

62,150 a.f.

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

The Fremont-Madison Irrigation District rented an additional 8,487 acre-feet to users in the Henrys Fork area.

Supply and Disposal of stored water, 1966
(acre-feet)

Supply

Jackson Lake Contents	Mar. 27	696,270
Stored to Jackson Lake priority		150,730
Palisades (usable)	Mar. 28	1,032,000
American Falls	Mar. 31	1,436,000
Stored to American Falls credit after		
Mar. 31 in upstream reservoirs		156,146
Stored to American Falls credit after		
Mar. 31 in American Falls		113,000
Lake Walcott	Mar. 31	88,200
Henry's Lake	June 8	80,000
Island Park	June 4	132,630
Grassy Lake	June 6	13,220
Indian Lake & Bergman Res. yield		1,529
Sheridan Creek right		2,257*
Gain Neeley to Milner		<u>197,200*</u>
Total		4,099,182

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

Disposal

Used by Snake River rights		2,792,817
Used by Henry's Fork rights		184,530
Storage transmission loss Snake River		99,055
Storage transmission loss Henry's Fork		4,564
Storage transmission loss Cross Cut		4,582
River operation storage waste past Milner		11,092
American Falls loss		57,000
Henry's Lake loss		2,338
Holdovers: Jackson	Oct. 13	470,180
Palisades (usable)	Oct. 13	270,000
American Falls	Oct. 15	28,000
Lake Walcott	Oct. 15	40,700
Henry's Lake	Oct. 13	56,600
Island Park	Oct. 13	18,430
Grassy Lake	Sept. 29	<u>6,560</u>
Total		4,046,448

There is a difference of 53,000 acre-feet with less water accounted for than that shown in the supply. This is offset by a gain Neeley to Milner of 80,000 acre-feet in excess of that credited to the Minidoka Project. It can also be reduced by the 3,550 acre-feet charged to Simplot and Westvaco pumping.

the same time as storage is being drawn by canals it becomes most difficult to make an exact segregation of stored and normal flow. There may be errors in the computations during this period that would account for the above difference. Also only a small error in the Neeley rating could cause this seeming loss.

Total usable reservoir holdovers at end of season were 890,000 acre-feet. This is over 22% of active capacity and the lowest since 1961.

Michaud Project use of stored water

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

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

Year	<u>(from wells)</u>			<u>(From Am. Falls Res.)</u>			Excess	Contr. to Gr. Water
	<u>Acres</u>	<u>Pumped</u>	<u>Consumed</u>	<u>Acres</u>	<u>Del'd</u>	<u>Consumed</u>		
1962	2,774	4,905	5,000	4,455	13,200	8,020	5,180	180
1963	2,774	4,051	5,000	4,455	13,900	8,020	5,880	880
1964	2,774	5,439	5,000	4,455	15,040	8,020	7,020	2,020
1965	2,774	4,550	5,000	4,455	16,830	8,020	8,810	3,810
1966	*2,984	6,072	5,370	**4,909	18,228	8,840	10,090	4,018

* Includes 210 acres of non-project land

**Includes 454 acres of non-project land.

Area No. 2 (Tributary below American Falls)

Year	<u>(from wells)</u>			<u>(From Am. Falls Res.)</u>			Excess	Contr. to Gr. Water
	<u>Acres</u>	<u>Pumped</u>	<u>Consumed</u>	<u>Acres</u>	<u>Del'd</u>	<u>Consumed</u>		
1962	884	2,540	1,600	1,613	4,900	2,900	2,000	400
1963	884	2,071	1,600	1,613	4,956	2,900	2,056	456
1964	884	2,123	1,600	1,613	5,284	2,900	2,384	784
1965	884	1,818	1,600	1,613	5,829	2,900	2,929	1,329
1966	884	3,064	1,600	*1,794	6,292	3,230	4,526	1,462

* Includes 181 acres of non-project land.

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 pumped from wells by the City of Pocatello, Westvaco Company, J. R. Simplot, and Fort Hall Michaud Project. Palisades contracts for Westvaco and Simplot provide that storage charges be made on one-half of water pumped. The City of Pocatello (including Alameda) is permitted to pump 10,000 acre-feet each season before there is any charge. In the case of the Fort Hall Michaud Project 22,400 acre-feet of pumping from wells is permitted before there is a charge against their reservoir storage.

Tabulated below is a summary of above pumping for the period May 1 to September 30 (figures in acre-feet):

<u>Canal</u>	<u>Pumped</u>	<u>Storage Charge</u>
Fort Hall Michaud Project (wells)	2,721	0
City of Pocatello	7,610	0
J. R. Simplot Co.*	5,820	2,150
Westvaco Co.	<u>2,800</u>	<u>1,400</u>
Total	13,951	3,550

*Reported 5,820 acre-feet pumped and 10% of this used consumptively.

It appears that American Falls reservoir will fill to the top eight feet by mid-February 1967. If ice is on reservoir at this time water will be spilled and the effect of this pumping on 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 gaging station, 1966 (Alpine dates and 24-hr cfs, except as noted)

Station	May	June	July	Aug.	Sept.	Total
Moran	71,750	90,600	82,670	82,170	76,960	404,150
SNAKE - ALPINE	289,680	283,190	172,490	134,860	121,620	1,001,840
Total gain cfs	217,930	192,590	89,820	52,690	44,660	597,690
Mean gain cfs	7,030	6,420	2,877	1,700	1,488	3,906
Total gain a.f.	432,300	382,000	178,200	104,500	88,580	1,185,580

The mean gain is only a little over half of that for 1965.

Gain in Snake River, Alpine gaging station to state line, 1966 (24-hr cfs, except as noted)

Station	May	June	July	Aug.	Sept.	Total
Greys River	51,710	34,148	15,686	10,618	8,317	120,479
Salt River	39,598	18,856	14,490	13,255	15,326	101,525
Total gain cfs	91,308	53,004	30,176	23,873	23,643	222,004
Mean gain cfs	2,945	1,767	973	770	788	1,451
Total gain a.f.	181,100	105,100	59,850	47,350	46,900	440,300

All gains are a little over half those of 1965.

Gain in Snake River, state line to Heise, 1966 (No correction for time of flow. 24-hr cfs, except as noted)

Station	May	June	July	Aug.	Sept.	Total
Palisades release	-13,610	6,050	172,930	219,820	53,950	439,140
Total supply*	367,378	342,244	375,596	378,553	199,213	1,562,984
Heise	434,590	381,440	399,500	403,500	227,080	1,846,110
Riley	499	723	895	781	220	3,123
Total acct for	435,089	382,163	400,395	404,281	227,300	1,849,233
Total gain cfs	67,711	39,924	24,799	25,728	28,087	186,249
Mean gain cfs	2,184	1,331	800	830	936	1,217
Total gain a.f.	134,300	79,190	49,190	51,030	55,710	369,420

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

All gains are much less than those for 1965.

A study of Palisades losses and gains for the past ten years is contained in an appendix to this report.

Gain in Snake River, Heise to Shelley, 1966
(Heise dates and 24-hr cfs, except as noted)

Station	May	June	July	Aug.	Sept.	Total
Rexburg	55,198	30,499	22,950	32,816	41,778	183,241
Total Supply**	490,287	412,667	423,345	437,097	269,078	2,032,474
Diversions	210,520	284,880	298,490	239,110	175,550	1,208,550
Shelley	287,700	168,370	156,900	235,370	131,260	979,600
Total acct. for	498,220	453,250	455,390	474,480	306,810	2,188,150
Total gain cfs	7,933	40,583	32,045	37,383	37,732	155,676
Mean gain cfs	256	1,353	1,034	1,206	1,258	1,017
Total gain a.f.	15,730	80,500	63,560	74,150	74,840	308,780

** Rexburg plus Heise and Riley from previous table.

The small gain in May indicates little return flow during early part of season. The average gain was 1,017 cfs compared to 1,087 in 1965 and 604 cfs in 1964. This includes the inflow from Market Lake Springs which is credited to Owners Mutual Canal Co.

Gain or loss in Snake River, Shelley to Blackfoot, 1966
(Shelley dates and 24-hr cfs, except as noted)

Station	May	June	July	Aug.	Sept.	Total
Shelley	287,820	169,570	155,690	234,370	134,660	982,110
Blackfoot River	6,428	3,574	1,538	1,610	96	13,246
Total Supply	294,248	173,144	157,228	235,980	134,756	995,356
Diversions	103,520	109,720	109,780	84,380	69,050	476,450
Blackfoot	192,200	67,000	46,400	150,900	80,600	537,100
Total acct for	295,720	176,720	156,180	235,280	149,650	1,013,550
Total diff cfs	1,472	3,576	-1,048	-700	14,894	18,194
Mean diff cfs	47	119	-34	-23	496	119
Total diff a.f.	2,920	7,090	-2,080	-1,390	29,540	36,080

The average gain was 119 cfs compared to 229 in 1965 and 218 in 1964. It is also less than the 180 cfs inflow that occurs above the Blackfoot gaging station. This would indicate an actual loss of 61 cfs.

Gain or loss in Snake River, Blackfoot to Neeley, 1966
(Neeley dates and 24-hr cfs, except as noted)

Station	May	June	July	Aug.	Sept.	Total
Blackfoot	192,260	68,560	44,200	146,900	86,600	538,520
Inflow*	86,262	75,998	74,886	78,255	78,431	393,832
Rex. draft	85,710	186,540	286,370	140,660	58,480	757,760
Total supply	364,232	331,098	405,456	365,815	223,511	1,690,112
Diversions	2,856	6,336	7,463	5,931	3,122	25,708
Neeley	350,800	326,250	392,700	358,700	220,690	1,649,140
Total use	353,656	332,586	400,163	364,631	223,812	1,674,848
Total diff cfs	-10,576	1,488	-5,293	-1,184	301	-15,264
Mean diff cfs	-341	50	-171	-38	10	-100
Total diff a.f.	-20,980	2,950	-10,500	-2,350	600	-30,280

The average loss of 100 cfs is much less than usual because reservoir was drawn down early in the season. In 1961 there was an average loss of 41 cfs under similar reservoir operations. The regulation season started in April and ended in October. The loss for April was about 27,000 a.f. There was probably a small gain in October. In computing the disposal of stored water for the season, a loss figure of 57,000 acre-feet was used.

* A tabulation of inflow data is shown on Plate 11. Eleven sets of measurements were obtained during the period and figures interpolated between measurements. Portneuf River inflow was depleted by pumping for Indian Service Michaud Canal. Amount pumped each day is shown at bottom of Plate 11. Monthly totals in above table are actual inflow. Inflow figures shown on Plates 12 to 13B are theoretical inflow computed by adding pump diversion figures to actual inflow. These are shown on last line of Plate 11. The above computations fulfill requirements of Section 8 (b) of Fort Hall Michaud Division - Palisades contract. Daily figures of waste from the Aberdeen Project were furnished by Mr. Jake Isaak, Manager. Unmeasured inflow as computed from the "Newell" formula varied from 1,270 to 1,320 cfs.

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

<u>Date</u>	<u>Discharge in cfs</u>
May 14, 1966	27.4
June 16	24.2
July 14	21.9
Aug. 10	21.8
Sept. 5	19.6

Gain or Loss in Snake River, Neeley to Minidoka, 1966
(Minidoka dates and 24-hr cfs, except as noted)

Station	May	June	July	Aug.	Sept.	Total
Neeley	350,600	325,920	392,700	359,200	222,070	1,650,490
Walcott release	1,530	180	-1,420	600	22,470	20,300
Total supply	349,070	326,100	391,280	359,800	244,540	1,670,790
No. Minidoka	48,430	41,263	53,970	42,800	24,438	210,901
So. Minidoka	38,480	34,185	42,210	35,083	18,606	168,564
Minidoka	268,040	249,360	293,160	274,620	195,440	1,280,620
Total acct for	354,950	324,808	389,340	352,503	238,484	1,660,085
Total diff cfs	5,880	-1,292	-1,940	-7,297	-6,056	-10,705
Mean diff cfs	190	-43	-63	-235	-202	-70
Total diff a.f.	11,660	-2,560	-3,850	-14,470	-12,010	-21,230

The average loss of 70 cfs compares with a gain of 45 in 1965 and a loss of 227 in 1964.

Gain in Snake River, Minidoka to Milner, 1966
(Milner dates and 24-hr cfs, except as noted)

Station	May	June	July	Aug.	Sept.	Total
Minidoka	267,500	249,000	293,050	275,320	196,680	1,281,550
Min. N.S.Pump	5,338	5,974	7,283	5,359	2,275	26,229
P. A.	1,965	2,006	2,302	1,963	1,384	9,620
Milner Low Lift	6,815	6,362	8,291	6,630	3,970	32,068
Gooding	71,390	71,050	76,830	70,150	60,150	349,570
North Side	80,300	77,880	90,860	84,550	59,140	392,730
Twin Falls	110,910	95,780	113,720	110,460	82,940	513,810
Lake Milner stored	-280	430	400	230	-1,830	-1,050
Milner	2,025	998	5,243	8,636	8,043	24,945
Total acct for	278,463	260,480	304,929	287,978	216,072	1,357,922
Total gain cfs	10,963	11,480	11,879	12,658	19,392	66,372
Mean gain cfs	354	383	383	408	646	434
Total gain a.f.	21,740	22,770	23,560	25,110	38,460	131,640

The total gain was almost as great as for 1965.

The total gain from Neeley to Milner for period May through September was 110,410 acre-feet. For the period April 13 through October 13 this gain was 197,200 acre-feet. A part of this gain was caused by excess spill from the Minidoka Project at times when the canal was run at high levels to accommodate several high diversion points. The Minidoka Project was credited with 113,000 acre-feet of gain which occurred during period May 1 to October 2.

DISTRIBUTION ON HENRYS FORK

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

Again this year the Squirrel Creek Canal pumped most of its water from Conant Creek. This relieved the Squirrel Creek demand and no special regulation was required on that creek.

Holdovers in Henrys Fork reservoirs at the end of the season were about 31% of capacity. Nearly all of this was in Henrys Lake. Island Park reservoir was drawn down to 5,000 acre-feet to facilitate the poisoning of trash fish.

Releases from Henrys Lake were discontinued on September 3. Those from Grassy Lake were cut off on August 12, and from Island Park Reservoir on September 30.

Extensive rebuilding of Henrys Lake dam occurred during the summer. A new spillway was provided and provision made to store water up to the 16-foot level with contents of 85,760 acre-feet.

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 1966. During the period June 4-20 stored water was charged a daily loss of 30 cfs. During period July 9-25 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.

1966 REGULATION SCHEDULE

For most of period June 7 to September 14, the regulation schedule on the Teton River was cut to earlier priorities than the main river. Rights on the Henrys Fork and Falls River were cut below the main river for a few days early in the season.

Figures showing the operation of the Cross Cut Canal in 1966 are shown on Plate 23A. It delivered 38,820 acre-feet to the Fall River Canal and 53,740 acre-feet to Teton River. The percentage loss for the season was 7.86%. This is a reduction from earlier years and shows the results of a continued program to eliminate leaks.

Mr. A. L. Larson made four trips to the Island Park area during the season to regulate and measure. The following miscellaneous measurements were made while regulating water in this area:

May 26, 1966

Sheridan Creek into reservoir (past Green Canyon road)	5	cfs
Railroad ranch diversion	5	
Willow Creek at highway 22	5	
Miscellaneous drains at highway 22	4	
Sheridan Creek at highway 22 - Gage 0.84	3.8	
Sheridan Creek at Forest road	55	
Taylor Creek	5	
Snider Creek	8	
Miscellaneous creeks at Forest road	8	
Willow Creek at Forest road	2.5	

July 8, 1966

Howard Creek at highway	8.0	cfs
Findlay diversion from Targhee Creek	2.0	
Targhee Creek at highway	20	
Webster drain	0.6	
Duck Creek at highway - Gage 1.02	4.0	
Rock Creek above Magleby diversion	10	

July 8, 1966 continued

Magleby sprinkler	
Duck Creek to Lake	
Jesse Creek at road	2 cfs
Twin Creek	2
Sheridan Creek at Highway 22 - Gage 1.35	0
Sheridan Creek at forest road	1.0
Morain Creek	11
Snider Creek at Forest Service Road	40
Taylor Creek at Forest Service Road	5
Icehouse Creek at Forest Service Road	3
Grubb diversion from Icehouse Creek	1
at Forest Service Road	7
Hotel Creek at Forest Service Road	2
Sheep Creek at Forest Service Road	6
	1

August 5, 1966

Sheridan Creek at Highway - Gage 1.29	11.3
Morain Creek	0
Sheridan Creek at Forest road	32.1
Taylor Creek	0.3
Snider Creek	2.0
Myers Creek	0.5
Willow Creek	2.0
Icehouse Creek at Forest Road	6.0
Grubb Diversion	1.0
Hotel Creek at Forest Road	8.0
Magleby sprinklers	2.0
Rock Creek below upper Magleby diversion	2.5
Magleby lower diversion	1.0
Duck Creek at gage	3.0
Duck Creek into lake	2.0
Targhee Creek at gage	8
Targhee Creek at mouth	0
Howard Creek at highway	4
Twin Creek diversions (2)	2
Twin Creek at road	2
Jesse Creek	0

August 11, 1966

Duck Creek at gage - Gage 1.22	8.93 cfs
Rock Creek above diversions	4.24
Magleby sprinklers	1.76
Duck Creek to lake	5
Targhee Creek Upper gage -0.10	20

CANAL DELIVERIES IN HENRYS FORK BASIN

Diversions during the 1966 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	3,370	2,100	1.6
Marysville	40,810	15,000	2.7
Farmers Own	17,100	4,800	3.6
Almy	140	180	0.8
Enterprise	32,120	5,890	5.5
Bell	1,390	110	12.6
Fall River	97,380 (a)	9,000	10.9
McBee	440	75	5.9
Chester	13,340	1,400	9.5
Silkey	4,700	1,080	4.4
Curr	11,270	1,300	8.7
Total Falls River	221,930	40,335	5.5

(a) Includes 38,820 diverted through Cross Cut.

<u>Henrys Fork canals</u>			
Dewey	6,260	2,000	3.1
Last Chance	28,040	1,860	15.1
St. Anthony Union	127,600	9,700	13.2
Farmers Friend	27,270	3,025	9.0
Twin Groves	29,570	2,500	11.8
Salem Union	58,960	5,500	10.7
Egin	80,380	7,000	11.4
St. Anthony U. Feeder	16,370	2,300	7.1
Independent	76,660	6,000	12.8
Consolidated Farmers	65,420	6,000	10.9
Total Henrys Fork	516,530	45,885	11.3

<u>Lower Teton Canals</u>			
Siddoway	3,380	500	6.8
Wilford	28,230	2,300	12.3
Teton Irrigation	26,690	2,000	13.3
Good Luck	3,080	330	9.3
Pioneer	2,540	300	8.5
Stewart	5,180	478	10.8
Pincock-Byington	3,570	400	8.9
Pincock-Garner	3,670	480	7.7
Teton Island Feeder	101,300	10,400	9.8
Roxana	3,430	880	3.9
Island Ward	9,140	3,300	2.8
North Salem	410 (b)	450	0.9
Bigler Slough	250	160	1.6
Woodmansee-Johnson	5,030 (c)	1,320	3.8
City of Rexburg	6,190	950	6.5

Diversions during 1966 irrigation season - continued

Canal	Diversions (acre-feet)	Area Irrigated (acres)	Acre-feet per acre
<u>Lower Teton Canals - continued</u>			
Rexburg Irrigation	55,180		
McCormick-Rowe	1,310	5,280	10.5
Saurey Sommers	5,950	160	8.2
Gardner	70	320	18.6
Eames Thompson	390	200	0.4
Total Lower Teton	264,990	70	5.6
		30,278	8.7
Total Falls River, Henrys Fork and Lower Teton	1,003,450	116,498	8.6

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

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

The diversions in this area were a little less than in 1965.

Of the total diversions of 1,003,450 acre-feet, 184,545 acre-feet or 18.4% was stored water. This is the highest percentage of stored water used since 1960.

Diversions by some of the principal canals in the headwater areas for the 1966 irrigation season (May 15 to September 30) are shown below:

Canal	Diversions (acre-feet)	Area Irrigated (acres)	Acre-feet per acre
String Canal	14,000	2,300	6.1
Trail Creek Irr. Co.	17,600	5,220	3.4
Fox Creek Canals	8,500	3,760	2.3
Darby Creek Canals	12,000	4,800	2.5
Grand Teton Canal	16,000	7,000	2.3
Canyon Creek Canal	3,380	2,200	1.5
Conant Creek Canal	4,240	1,040	4.1
*Squirrel Creek Canal	1,600	1,040	1.5
Boom Creek Canal	1,090	130	8.4

*Includes water pumped from Conant Creek

Diversions were much below average and were limited by the available flow in the various streams involved.

STORED WATER DELIVERIES ON HENRYS FORK

Water available for Fremont-Madison allotments was as follows:

Island Park Reservoir	(June 4)	132,630 a.f.
Grassy Lake	(June 6)	13,220
Sheridan Creek right		<u>2,257</u>
Total		148,107 a.f.

The district allotted 133,295 acre-feet for the 1966 season.
In addition 8,487 acre-feet was rented to Henrys Fork users.

Henrys Lake Allotments, 1966

Permits and licenses for storage of water in Henrys Lake are limited to a total of 79,350 acre-feet. The lake contents on July 14 was about 80,000 acre-feet. The total of 79,350 acre-feet was allotted as shown in following table:

	<u>Allotted</u>	
	<u>Percent</u>	<u>Acre-feet</u>
Independent	26.90	21,345
Salem Union	24.21	19,211
Consolidated Farmers	20.17	16,005
Last Chance	13.85	10,990
St. Anthony Union	6.72	5,332
Egin	6.72	5,332
Dewey	<u>1.43</u>	<u>1,135</u>
	100.00	79,350

Henrys Fork Storage Operations, 1966
(all figures in acre-feet)

<u>Canal</u>	<u>Henrys Lake</u>	<u>Henrys Lake Storage Used</u>
		1,135
Dewey		10,119
Last Chance		12,367
Salem Union		19,771
Independent		<u>6,605</u>
Consolidated		49,997
Total used		21,362
Storage released from Henrys Lake		28,635
Excess use over release		

Henrys Fork near Rexburg Storage balance for 1966 -29,583 a.f.

Credit from other reservoirs:

Enterprise use	
Other individuals	13,806
Rentals from Water Dist. 36	800
F.M. Palisades allotment	4,245
	<u>860</u>
	19,711

19,711

Henrys Fork owes main river

9,872

Note: No allowance made for river losses in above tables.

At the end of September there was 28,635 acre-feet of Island Park storage in Henrys Lake. This will become Henrys Lake water when Island Park reservoir fills in 1967 or when that amount has been spilled from Henrys Lake after filling. The 9,872 acre-foot deficit on Henrys Fork will be cancelled when that amount is spilled from Island Park after filling or after American Falls reservoir spills that amount. Had Henrys Fork users rented the 8,487 acre-feet from Water District 36 instead of the Fremont-Madison District the deficit would have been only 1,385 acre-feet.

RIVER GAINS IN HENRYS FORK BASIN, 1966

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, 1966 (Island Park dates and 24-hr cfs, except as noted)

Station	May	June	July	Aug.	Sept.	Total
Lake	2,035	5,806	4,815	2,378	127	15,162
I. P. release	-40	5,200	27,400	20,800	10,900	64,260
Total supply	1,995	11,006	32,216	23,178	11,027	79,422
Island Park	26,807	26,387	47,050	39,900	27,170	167,314
Total gain cfs	24,812	15,381	14,834	16,722	16,143	87,892
Mean gain cfs	800	513	479	539	538	574
Total gain a.f.	49,210	30,510	29,420	33,170	32,020	174,330

The average gain is 574 cfs compared to 784 cfs in 1965 and 732 in 1964. The gains for August and September are almost the same as in 1965. This indicates larger than usual returns from bank storage with the rapid drop in reservoir contents.

Gains in Henrys Fork, Island Park to Ashton, 1966
(Ashton dates and 24-hr cfs, except as noted)

Station	May	June	July	Aug.	Sept.	Total
Island Park	26,824	25,965	46,760	40,200	28,035	167,834
Ashton	64,370	51,400	70,040	62,300	51,350	299,460
Total gain cfs	37,546	25,435	23,280	22,100	23,265	131,626
Mean gain cfs	1,211	848	751	713	776	860
Total gain a.f.	74,470	50,450	46,180	43,830	46,150	261,080

The gain is less than last year for each month. The mean gain is 860 cfs compared to 1,222 in 1965.

Gain in Henrys Fork, Ashton to St. Anthony, 1966
(St. Anthony dates and 24-hr cfs, except as noted)

Station	May	June	July	Aug.	Sept.	Total
Ashton	64,390	51,430	69,920	62,390	51,470	299,600
Chester	48,152	25,428	2,334	1,832	4,853	82,599
Total supply	112,542	76,858	72,254	64,222	56,323	382,199
Diversions	43,182	44,550	43,360	33,580	23,712	188,384
St. Anthony	69,850	34,606	30,516	33,810	35,620	204,402
Total acct for	113,032	79,156	73,876	67,390	59,332	392,786
Total gain cfs	490	2,298	1,622	3,168	3,009	10,587
Mean gain cfs	16	77	52	102	100	69
Total gain a.f.	970	4,560	3,220	6,260	5,970	21,000

The average gain is 69 cfs compared to 95 in 1965 and 152 in 1964.

Gain in Falls River, Squirrel to Chester, 1966
(Chester dates and 24-hr cfs, except as noted)

Station	May	June	July	Aug.	Sept.	Total
Squirrel	50,198	41,758	15,352	13,721	12,825	133,854
Diversions	9,839	20,009	15,995	13,665	10,815	70,323
Chester	48,152	25,428	2,334	1,832	4,853	82,599
Total acct for	57,991	45,437	18,329	15,497	15,668	152,922
Total gain cfs	7,793	3,679	2,977	1,776	2,843	19,068
Mean gain cfs	251	123	96	57	95	125
Total gain a.f.	15,460	7,300	5,900	3,520	5,640	37,820

The gain was less for each month than a year ago. The average

Teton River Gains - August 1966 - continued

North Teton

(1) North Teton	
Diversions	8,788
(4) North Teton at Highway 191	9,188
Total accounted for	553
Total gain	9,741
Mean gain	953
	31
(4) North Teton at Highway 191	
(5) North Teton above Roxana	553
Total gain	565
Mean gain	12
	0.4
(5) North Teton above Roxana	
Diversions	565
North Teton below Saurey Sommers	1,323
Total accounted for	944
Total gain	2,267
Mean gain	1,702
	55

South Teton

(2) South Teton R.	4,360
(3) Millrace	1,737
Total supply	6,097
Diversions	5,887
(7) South Teton at Rexburg	1,268
Total accounted for	7,155
Total gain	1,058
Mean gain	34
(9) South Teton near Mouth	3,016
Total gain	1,748
Mean	56
	569
Total gain above branch	2,667
Total gain North Teton	2,806
Total gain South Teton	6,042
Total gain Teton River	195
Mean gain Teton River	

TETON BASIN

Mr. Arthur Wilson, with summer office at Driggs, continued as Deputy Watermaster in Teton Basin during 1966.

The water content of snow on April 1 on the Teton watershed was 62% of normal. April to September precipitation at Driggs was 7.29" compared to the normal of 8.08". Runoff of Teton River near St. Anthony was 81% of the 33 year average.

Seasonal diversions for all canals in this area were much less than in 1965 owing to the short water supply.

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

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

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

Canals in Teton Basin used almost all of their storage allotments. In addition there was 1,988 acre-feet of storage water rented from Water District 36.

Mr. Eth Hansen of Tetonia served as special deputy on the Leigh and Spring Creeks on an hourly basis for time actually spent. Considerable time is required to keep the headgates on these creeks regulated and it is impossible for one man to look after the other streams in Teton Basin and still give the necessary attention to the streams in the vicinity of Tetonia. One-half of the cost of Mr. Hansen's services, amounting to \$556.87, was charged as a special item to the local users and a similar amount was charged as general District 36 expense.

Channel work was carried out in the spring of 1966 on South Leigh Creek under the direction of Mr. Wilson. Beaver dams and log jams were removed. This reduced flooding along channel and facilitated delivery of water to points desired. The cost of this work was assessed against individuals involved.

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

Estle Traugher served as Deputy Watermaster in the Swan Valley area for period June 1 to July 6. Leland Moore served as Deputy Watermaster and also as watermaster on several canals for period July 6 to September 20. The local users were charged \$5.00 a day or \$490.00 total, as a special charge and the balance of the cost of watermaster's services, amounting to \$882.00, was charged as general expense to District 36.

There was more demand for stored water than creeks would furnish. Swan Valley users rented 190 acre-feet from Water District 36 during 1966.

CLIMATOLOGICAL DATA
(Precipitation in inches for year ending September 30, 1966)

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.	0.44	1.48	0.55	1.45						
Nov.	1.39	1.41	2.73	1.88	0.33	1.11	0.36	1.57	0.16	1.15
Dec.	1.30	1.51	1.56	2.36	2.01	1.11	2.61	1.78	1.99	1.72
Jan.	.99	1.60	2.96	2.35	1.21	1.54	.91	2.18	.74	2.26
Feb.	1.12	1.48	1.31	2.28	.81	1.43	.65	2.11	.81	1.80
Mar.	.92	1.51	1.61	2.08	.37	1.32	1.14	1.95	.87	1.85
Apr.	1.46	1.48	1.35	1.73	.73	1.20	.99	2.02	.78	1.70
May	1.13	2.04	1.79	1.85	1.01	1.20	1.35	1.67	1.67	1.62
June	1.48	2.29	1.74	1.77	1.78	1.50	3.11	2.13	2.13	1.96
July	.85	.94	1.09	.97	1.55	1.51	1.94	2.08	1.00	2.06
Aug.	.29	1.19	.77	1.30	.41	.75	.60	.93	.68	.85
Sept.	1.96	1.28	2.32	1.28	.54	1.12	.46	1.04	.41	1.11
Year	13.33	18.21	19.78	21.30	2.49	1.04	1.49	1.26	1.47	1.37
					13.24	14.83	15.61	20.72	12.71	19.45

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.	0.34	1.35	0.01	0.63	0.02	0.89	0.01	0.76	0.25	1.16
Nov.	1.52	1.56	.96	.62	1.21	.99	.84	.92	1.70	1.33
Dec.	1.46	1.89	.91	.80	1.20	1.00	.65	.86	1.10	1.60
Jan.	1.44	1.82	.33	.89	.27	1.21	.34	1.04	.96	1.59
Feb.	1.91	1.77	.34	.71	.51	.92	.18	.70	.86	1.44
Mar.	.98	1.39	.17	.66	.42	1.02	.68	.84	.81	1.38
Apr.	1.30	1.04	.59	.66	.31	1.06	.21	.93	1.03	1.27
May	1.34	1.45	1.18	.98	.93	1.13	.18	1.00	1.51	1.56
June	1.23	1.91	.31	1.13	.21	.96	.15	.79	1.07	1.61
July	1.37	.82	1.11	.46	.10	.51	.32	.24	.73	.71
Aug.	.69	.95	.40	.50	.02	.55	T	.17	.40	.88
Sept.	2.42	.94	.97	.63	.82	.61	.19	.49	1.57	.99
Year	16.00	16.89	7.28	8.67	6.02	10.85	3.75	8.74	11.99	15.52

*Used 19 year average.

On an average for the nine stations the precipitation for the water year ending September 30, 1966, was 77% of normal. It was below normal for all months except November, July and September.

An unusually heavy storm occurred in East Idaho on May 9 and 10. Precipitation on May 10 was measured as follows: Aberdeen 1.37", Blackfoot 0.89", Idaho Falls 1.00", Blackfoot dam 1.02", Palisades dam 1.17", Ririe 1.56". Local flooding occurred in some areas.

EXPENDITURES DURING YEAR ENDING SEPTEMBER 30, 1966

Engineers and Hydrographers:

H. C. Eagle	Salary, 1 year	\$12,694.00
A. L. Larson	Salary, 1 year	10,852.80
R. W. Harper	Salary, Oct. 1-June 18	4,757.60
C. M. Bennett	Salary, July 31-Sept. 30	1,190.40
O. P. Mortensen	Salary, 4.77 mo. @ \$470 mo.	2,240.33
Oleen Dummer	Salary, 5.81 mo. @ \$470 mo.	2,730.00
A. H. Bush	Salary, 2.48 mo. @ \$470 mo.	1,167.40
A. W. Wilson	Salary, 3.72 mo. @ \$470 mo.	1,749.36

Clerk:

Charlotte E. Wood	Salary, 1 year	6,484.00
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River Riders:

Bruce D. Cole	114 days @ \$14.00 incl. mileage	1,596.00
J. M. Brown	114 days @ \$14.00 incl. mileage	1,596.00
J. A. Balmforth	51 days @ \$15.00 incl. mileage	765.00
C. J. Anderson	116 days @ \$14.00 incl. mileage	1,624.00
L. C. Anderson	71 days @ \$18.50 incl. mileage	1,313.50
S. B. Garrett	85 days @ \$18.50 incl. mileage	1,572.50
Elmer Lenz	3.53 mo. @ \$150. incl. mileage	530.00
Seth L. Hansen	495 hrs. @ \$2.25 incl. mileage	1,113.75
Estle Traugher	36 days @ \$14.00 incl. mileage	504.00
Leland H. Moore	62 days @ \$14.00 incl. mileage	868.00

Miscellaneous:

Gage Readers	645.80
Transportation, 32,927 miles @ 10¢ a mile	3,292.70
Transportation, Government car, 1 year	1,953.40
Government travel, R. W. Harper	237.25
Government travel, A. L. Larson	173.75
Government travel, C. M. Bennett (\$348.55 moving)	593.95
Subsistence	416.42
Telephone and Telemark	713.22
Supplies and Equipment	1,482.83
Construction and Repairs	216.10
Postage	297.05
Interest	44.80
Bond Premium & Insurance	610.85
Retirement	2,338.58
Social Security	571.98
Groundwater Investigations	1,500.00
Digital recorder computations	216.66
TOTAL	\$70,653.98

Expenditures during year ending September 30, 1966 - continued
Expenditures from various funds:

Consolidated State repay and Federal accounts	\$34,512.28
Water District No. 36 +	<u>36,141.70</u>
Total	\$70,653.98

In addition to the foregoing, upper valley members of the Committee of Nine were paid \$470.00 for services at \$10.00 per day and expenses, which was pro-rated among upper valley canals.

Funds on hand September 30, 1966

Federal and State accounts	\$20,009.10
(Fiscal year begins July 1)	
Water District Funds	<u>-1,138.47</u>
Total	\$18,870.63

+ \$11,800 of this amount transferred to Washington to be deposited to Cooperative repay account.

* Waterusers operating funds are collected after October 1 of each year. There is always a deficit of Water District funds at the end of September. This year in the Water District account on September 30, there was \$17,967.50 collected for rental water, which was later disbursed to various companies and individuals who had water for rent. The actual Water District balance on September 30 was \$-19,105.97. The balance on December 31 was \$12,482.53.

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.

A P P E N D I X

LOSSES AND GAINS IN PALISADES RESERVOIR

LOSSES AND GAINS IN PALISADES RESERVOIR

With ten years of record available in the operation of Palisades Reservoir, the following study was made to determine losses and gains. The study is based on the use of a water budget as outlined by W. E. Langbein¹ in his analysis of the water budget of Lake Mead. Paul A. Rechard² used the same method in a later study. The method involves a determination of all inflow and outflow from the reservoir. The differences between these two are assumed to be differences in bank storage.

INFLOW

The inflow to Palisades Reservoir is measured by U. S. Geological Survey gaging stations on Snake River above reservoir, Greys River above reservoir, Salt River above reservoir, and Bear Creek near Irwin. For the period 1954-61 records were also obtained on McCoy Creek, Indian Creek and Elk Creek. Most of the above records are excellent except for winter periods when ice conditions reduce their accuracy.

The drainage area above Palisades Reservoir is 5,208 sq mi. The drainage area above the four gaging stations now in operation is 4,822 sq mi. This leaves an area of 386 sq mi from which the inflow is not now measured. For the period 1954-61 the three additional inflow stations accounted for 204 sq mi of this unmeasured area.

¹ Langbein, W. B., "Comprehensive Study of Sedimentation in Lake Mead, 1948-49," Smith, W. O., Votter, C. P., and Cummings, G. B., et al., Project Staff, Professional Paper 295, Geological Survey, U. S. Dept. of the Interior, Washington, D. C., 1960, p. 95.

² Water Resources Research Engr. and Prof. of Civ. Engrg., Univ. of Wyoming, Wyo.; formerly, Principal Hydr. Engr., Upper Colorado River Comm., Salt Lake City, Utah. Journal of Irrig. & Drainage Div. ASCE, Mar. 1965.

The following equation was developed for computing the unmeasured inflow:

$$I_u = 0.6 (I_G + I_B) \dots \dots \dots (1)$$

where I_u is the unmeasured inflow to Palisades Reservoir from the 386 sq mi area; I_G is the runoff from Greys River and I_B is the runoff from Bear Creek. The combined drainage area of Greys River and Bear Creek is 528 sq mi. If the runoff per sq mi were the same for the area above these two stations and the unmeasured inflow area a coefficient of 0.73 would apply in equation 1.

Table 1 shows annual data for water years 1954-66. It will be noted that there are three years of streamflow records prior to the time there was significant storage in Palisades Reservoir. Use of the coefficient 0.6 in formula 1 makes the inflow and outflow to the area nearly balance for the 1954-56 period. A further study of the 1954-61 period indicated that results from equation 1 are nearly the same as would be obtained from more detailed computations using the three additional inflow stations. There appeared to be advantage in using the same method of computing I_u for the entire 1954-66 period.

The precipitation on the lake is an increment of inflow. It was assumed that the precipitation at Irwin (1957-60) and at Palisades thereafter was the same as that on the reservoir. For each month the average area of the reservoir was determined and the precipitation considered effective on that area. The area of the reservoir is about 4,900 acres with the power-pool contents of 200,000 acre-feet and 16,000 acres with reservoir full.

OUTFLOW

The USGS streamflow station Snake River near Irwin measures the reservoir outflow. Only minor flow enters between the reservoir and the river gaging station.

Monthly evaporation from the reservoir surface was computed for the May to September periods. A Weather Bureau land pan at Palisades furnished a record for nearly all of the period of study. A coefficient of 0.72 was applied to the pan evaporation. The same average reservoir areas were used to compute total evaporation as were used in determining precipitation corrections.

ANALYSIS

The equation used for analysis of the water budget is as follows:

$$I_m + I_u + I_p - O_e - O_m = \Delta S + R \dots \dots \dots (2)$$

in which I_m is the measured inflow to the reservoir; I_u , the unmeasured inflow; I_p , the precipitation; O_e , evaporation; O_m , the measured outflow; ΔS , the change in storage in the reservoir; and R , the residual or change in bank storage.

Monthly data were computed for water years 1957 to 1966. These data are shown in table 2. Figure 1 shows contents and elevation of Palisades Reservoir for period 1956-66. Figure 2 shows plotting of annual residual bank storage related to reservoir contents. Figure 3 shows the same plotting for many monthly residuals.

There is some scattering of points on figure 2. However, the equation

$$\Sigma R = 0.1064 \times \Delta S + 36,000 \dots \dots \dots (3)$$

seems to reasonably well fit the data. This would indicate that about 36,000 acre-feet or 2½% of the reservoir capacity went into

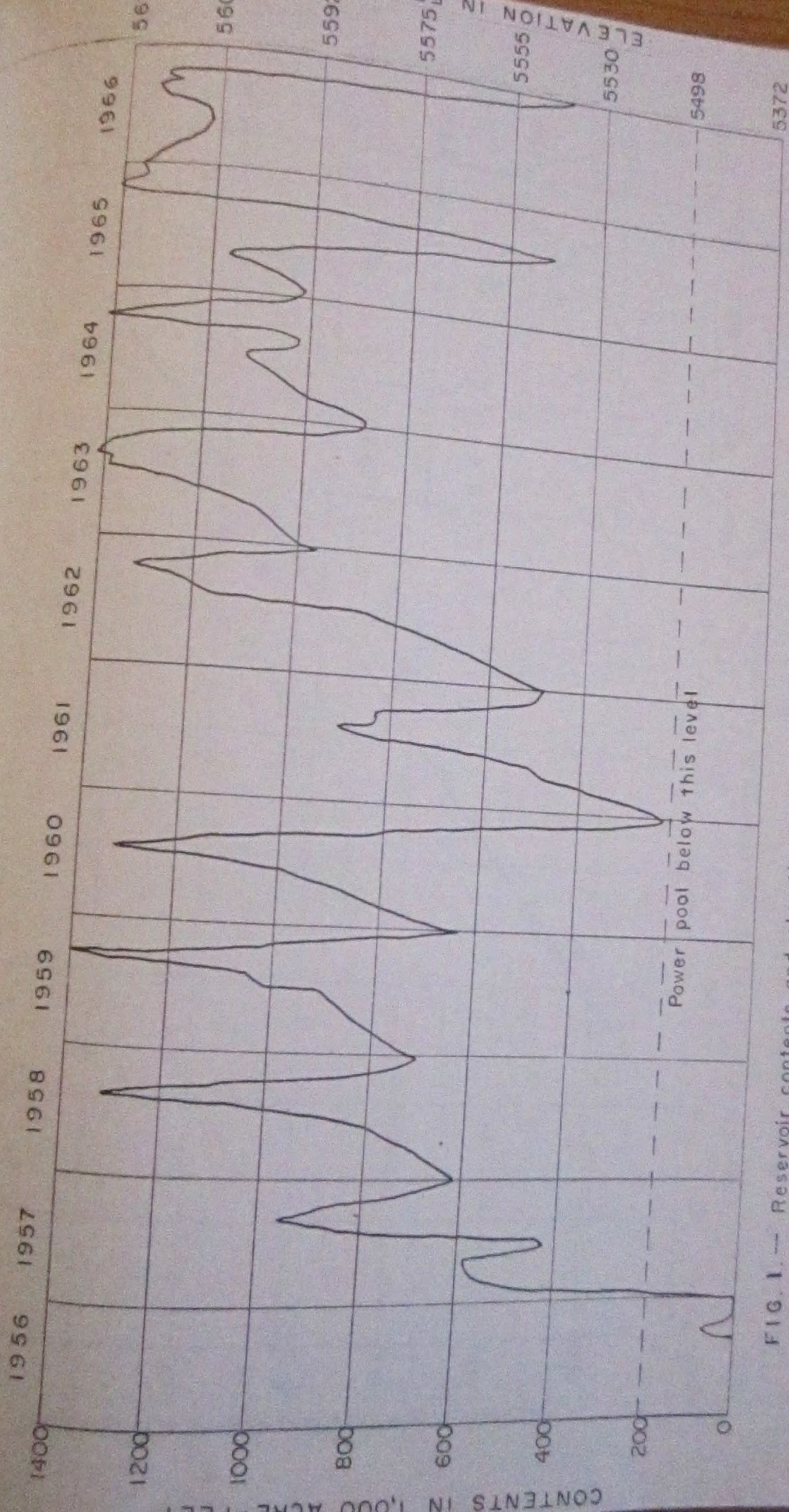


FIG. 1. — Reservoir contents and elevation of Palisades Reservoir, 1956-66.

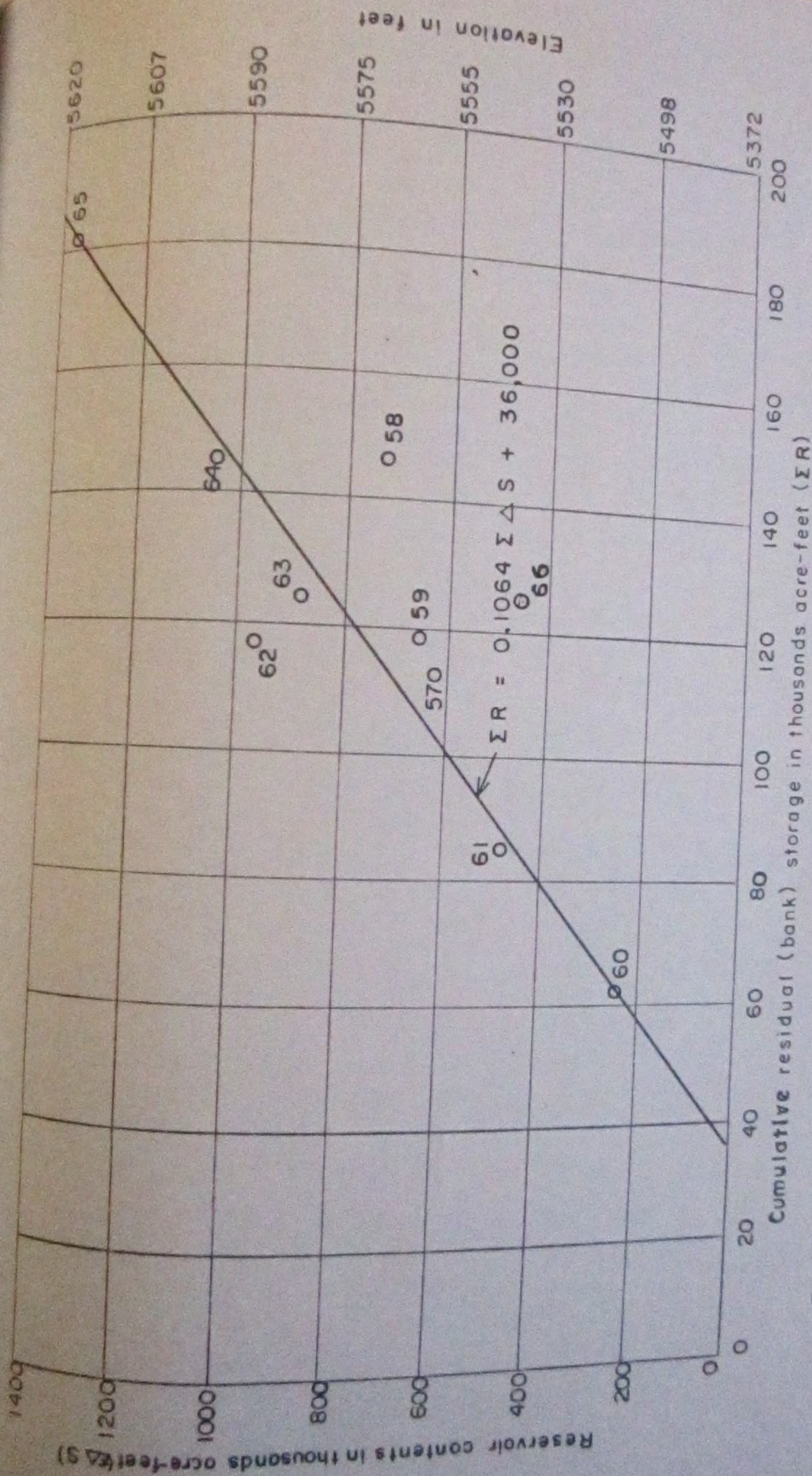
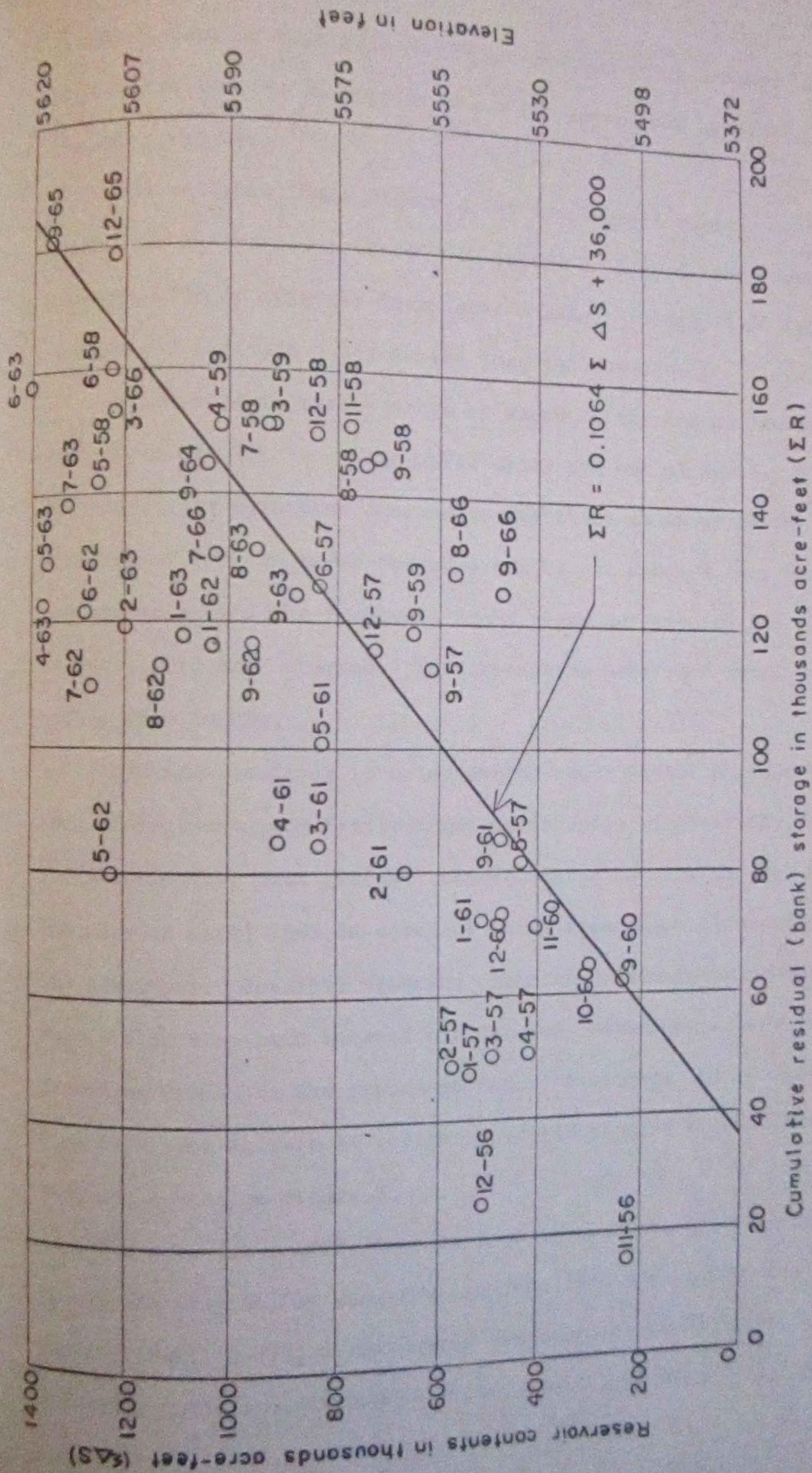


FIG. 2.— Annual residual bank storage versus reservoir contents



permanent bank storage with the first filling of reservoir. About 57,000 acre-feet is in storage below the power pool level of 200,000 acre-feet.

Data in Table 2 and Figure 3 for the 1956-57 water year are of interest. The reservoir level was raised rapidly during November and December 1956 by releases from Jackson Lake. Points 11-56 and 12-56 on figure 3 indicate a lag in the loss to bank storage.

An increase in bank storage is shown to the end of January; then there was little change until after the end of April. During May conditions permitted storage to stabilize as shown by the plotting of 5-57 on curve for equation 3. It appears that during the winter period the reservoir banks froze restricting the movement of water into bank storage. This condition persisted until the spring thaw in May.

This same tendency is noted during other winter periods when bank storage remained fairly constant in spite of reservoir changes. It is noted that bank storage changed little for the period February to April 1965 in spite of large evacuation of storage from the reservoir. Possibly freezing occurred as reservoir dropped and return flow from bank storage was delayed, either held back in the ground or frozen on the ground surface. A similar lag in return flow from bank storage is indicated by plotting of points 8-66, 9-66 and others on figure 3.

The greatest monthly amounts lost to bank storage (see table 2, column 12) were 44,000 acre-feet in June 1957 and 41,000 acre-feet in June 1962. During these months the contents of Palisades Reservoir increased 409,000 acre-feet and 77,000 acre-feet respectively.

The large loss in 1962 appears to be partly due to a delay in water penetrating the ground surface during the reservoir rise from March to May. It may also have been affected by the early runoff in February which produced floods in lower areas and may have resulted in lower than usual runoff from the unmeasured area in later months. Equation 1 for determining unmeasured inflow is based on a study of annual runoff. It is possible that it may not always fit monthly data. This may partly account for apparent high losses to bank storage during June of several years.

During many years there is excess water in the river system in June and the loss to bank storage causes no loss to the supply above Milner Dam. There is usually a substantial recovery from bank storage during the July to September period as shown by negative values of R in column 12. This comes during the regulation period and is an added source of supply to natural flow of the river.

An important objective of this study is an evaluation of the evaporation losses compared to gain from return flow from bank storage during the summer regulation period. Table 3 shows pertinent data. Years showing a large net loss are usually years of abundant water supply when reservoir was kept fairly high for most of the season. The gains come in years of below normal supply. During the May to September 1960 period there was a gain of 24,000 acre-feet. The June to September 1966 gain was 9,000 acre-feet.

The apparent large loss in 1962 is subject to question. As mentioned earlier the conditions causing February floods in lower areas may have disturbed the runoff pattern at Palisades Reservoir.

It will be noted in Table 3 that in only two years is there an

indicated loss to bank storage during the regulation season. The large loss in 1962 is mentioned above. That in 1964 occurred because of small net reservoir drawdown during the May to September period.

In an attempt to maintain pre-reservoir conditions relative to decreed rights, it has been the practice to delay a few days early in the season in cutting natural flow rights. In June 1962 this allowed for about 20,000 acre-feet being delivered to natural flow rights from storage sources. This partly offsets the computed 41,000 acre-feet which went into bank storage.

The apparent consistency of data as computed from equation 2 for the 1957-66 period would indicate that available streamflow and reservoir records are sufficient for present needs. If records were inadequate it would likely show in a progressive increase or decrease in values of ΣR .

CONCLUSIONS

It would appear that the present method of reservoir operation fairly well satisfies pre-reservoir conditions. This assumes that bank storage return during the regulation season satisfactorily compensates for evaporation losses. The adjustment made by delaying cuts in decreed rights early in the season and recovering storage water during the period of high return from bank storage probably fairly equitably distributes water to the various priority dates. This gives about the same result as would be attained if storage figures were corrected for evaporation and changes in bank storage. The simplicity of established practice and its comparative accuracy argue strongly for its continuance. The records of inflow now being collected appear to be adequate for present needs.

PALISADES RESERVOIR WATER BUDGET
TABLE 1.--PALISADES WATER BUDGET^a

Inflow			Outflow				Inflow-Outflow		Palisades Reservoir		Residual		
Measured inflow, I _m	Unmeasured inflow, I _u	Precipitation, I _p	Total, I	Measured, O _m	Evaporation, O _e	Total O	Annual I-O	Cumulative I-O	Change in contents ΔS	Cumulative Change ΣΔS	Bank storage I-O-ΔS (R)	Cumulative bank storage ΣR	$\frac{\Sigma R}{\Sigma \Delta S} \times 100$
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
4,416	301	-	4,717	4,716	-	4,716	1	-	-	-	-	-	-
3,593	222	-	3,815	3,830	-	3,830	-15	-	-	-	-	-	-
5,721	422	-	6,143	6,134	-	6,134	9	-	-	-	-	-	-
4,590	351	11	4,952	4,199	19	4,218	734	734	621	622	113	113	18.2
3,807	304	9	4,120	3,944	31	3,975	145	879	112	734	33	146	19.9
3,692	269	15	3,976	4,056	33	4,089	-113	766	-86	648	-27	119	18.4
3,419	238	11	3,668	4,108	33	4,141	-473	293	-407	241	-57	62	25.7
3,426	202	14	3,642	3,344	27	3,371	275	568	252	493	23	85	17.3
4,197	350	18	4,565	4,012	45	4,057	508	1,076	476	969	32	117	12.1
3,757	266	27	4,050	4,074	43	4,117	-67	1,009	-74	895	7	124	13.8
4,462	324	24	4,810	4,603	34	4,637	173	1,182	153	1,048	20	144	13.7
5,564	408	25	5,997	5,621	27	5,648	349	1,531	312	1,360	37	181	13.3
3,682	246	15	3,942	4,867	21	4,888	-946	2,477	-890	470	-56	125	26.6

Units: 1,000

^a Units: 1,000 acre-ft

PALISADES RESERVOIR WATER BUDGET
TABLE 1.--PALISADES WATER BUDGET^a

Water year	Inflow			Outflow			Inflow-Outflow		Palisades Reservoir		Residual			
	Meas-ured inflow, I _m	Unmeas-ured inflow, I _u	Precipi-tation, I _p	Total, I	Meas-ured, O _m	Evap-oration, O _e	Total O	Annual I-O	Cumula-tive I-O	Change in con-tents ΔS	Cumula-tive Change ΔS	Bank stor-age I-O-ΔS (R)	Cumula-tive bank storage ΣR	$\frac{\Sigma R}{\Sigma \Delta S} \times$
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1954	4,416	301	-	4,717	4,716	-	4,716	1	-	-	-	-	-	-
1955	3,593	222	-	3,815	3,830	-	3,830	-15	-	-	-	-	-	-
1956	5,721	422	-	6,143	6,134	-	6,134	9	-	-	-	-	-	-
1957	4,590	351	11	4,952	4,199	19	4,218	734	734	621	622	113	113	18.2
1958	3,807	304	9	4,120	3,944	31	3,975	145	879	112	734	33	146	19.9
1959	3,692	269	15	3,976	4,056	33	4,089	-113	766	-86	648	-27	119	18.4
1960	3,419	238	11	3,668	4,108	33	4,141	-473	293	-407	241	-57	62	25.7
1961	3,426	202	14	3,642	3,344	27	3,371	275	568	252	493	23	85	17.3
1962	4,197	350	18	4,565	4,012	45	4,057	508	1,076	476	969	32	117	12.1
1963	3,757	266	27	4,050	4,074	43	4,117	-67	1,009	-74	895	7	124	13.8
1964	4,462	324	24	4,810	4,603	34	4,637	173	1,182	153	1,048	20	144	13.7
1965	5,564	408	25	5,997	5,621	27	5,648	349	1,531	312	1,360	37	181	13.3
1966	3,682	246	15	3,942	4,867	21	4,888	-946	2,477	-890	470	-56	125	26.6

^a Units: 1,000 acre-ft

TABLE 2.--PALISADES RESERVOIR WATER BUDGET^a

Month	Inflow			Outflow		Inflow-Outflow		Palisades Reservoir		Residual					
	Meas- ured inflow, I _m (1)	Unmeas- ured inflow, I _u (2)	Precipi- tation, I _p (3)	Total I (4)	Snake R. at Irwin O _m (5)	Evap- ora- tion O _e (6)	Total O (7)	Monthly I-O (8)	Cumu- lative I-O (9)	Change in con- tents ΔS (10)	Cumu- lative Σ ΔS (11)	Residual Bank Storage I-O-ΔS (12)	Cumu- lative Σ R (13)	Σ R x 10 ³ Σ ΔS (14)	
1956-57															
Oct.	171	13	0	184	187		187	-3	237	0	1	-3	13	-	5.8
Nov.	306	10	0	316	76		76	240	547	224	225	16	26	5.0	5.0
Dec.	405	9	1	415	105		105	310	598	297	522	13	47	8.5	8.5
Jan.	136	8	1	145	94		94	51	624	30	552	21	48	8.3	8.3
Feb.	110	7	1	118	92		92	26	556	25	577	1	49	9.7	9.7
Mar.	126	9	1	136	204		204	-68	463	-69	508	1	49	11.8	11.8
Apr.	185	17	1	203	296		296	-93	524	-93	415	0	49	20.1	20.1
May	714	88	2	804	741	2	743	61	977	29	444	32	81	14.7	14.7
June	1,003	105	2	1,110	653	4	657	453	1,034	409	853	44	125	13.4	13.4
July	786	49	0	835	773	5	778	57	868	60	913	-3	122	16.2	16.2
Aug.	394	21	2	417	578	5	583	-166	734	-165	748	-1	121	18.2	18.2
Sept.	254	15	0	269	400	3	403	-134	734	-126	622	-8	113	18.2	18.2
Year	4,590	351	11	4,952	4,199	*19	4,218	734	734	621	622	113	113	18.2	18.2

^a Units: 1,000 acre-ft

* For months shown

TABLE 2.--PALISADES RESERVOIR WATER BUDGET^a

Month	Inflow				Outflow		Inflow-Outflow		Palisades Reservoir		Residual				
	Meas- ured inflow, I_m (1)	Unmeas- ured inflow, I_u (2)	Precipi- tation, I_p (3)	Total I (4)	Snake R. at Irwin O_m (5)	Evap- ora- tion O_e (6)	Total O (7)	Monthly I-O (8)	Cumulative I-O (9)	Change in con- tent ΔS (10)	Cumulative $\Sigma \Delta S$ (11)	Residual Bank Storage I-O- ΔS (12)	Cumulative ΣR (13)	$\frac{\Sigma R}{\Sigma \Delta S}$ (14)	
1957-58															
Oct.	196	13	0	209	179		179	30	764	28	650	2	115	17.8	
Nov.	171	11	1	183	144		144	39	803	37	687	2	117	17.1	
Dec.	154	11	1	166	116		116	50	853	51	738	-1	116	15.8	
Jan.	141	9	1	151	118		118	33	886	29	767	4	120	15.7	
Feb.	182	8	1	191	106		106	85	971	82	849	3	123	14.5	
Mar.	216	8	1	225	117		117	108	1,079	106	955	2	125	13.1	
Apr.	241	16	2	259	157		157	102	1,181	104	1,059	-2	123	11.6	
May	885	102	0	987	747	6	753	234	1,415	216	1,275	18	141	11.0	
June	620	72	1	693	708	6	714	-21	1,394	-40	1,235	19	160	12.9	
July	399	26	0	425	730	9	739	-314	1,080	-302	933	-12	148	15.9	
Aug.	298	15	0	313	494	7	501	-188	892	-184	749	-4	144	19.3	
Sept.	304	13	1	318	328	3	331	-13	879	-15	734	2	146	19.9	
Year	3,807	304	9	4,120	3,944	*31	3,975	145	879	112	734	33	146	19.9	

^a Units: 1,000 acre-ft

* For months shown

TABLE 2.--PALISADES RESERVOIR WATER BUDGET^a

Month	Inflow			Outflow			Inflow-Outflow		Palisades Reservoir		Residual		
	Measured inflow, I_m	Unmeasured inflow, I_u	Precipitation, I_p	Total I	Snake R. at Irwin O_m	Evaporation O_e	Total	Monthly I-O	Cumulative I-O	Change in contents ΔS	Cumulative $\Sigma \Delta S$	Residual Bank Storage I-O- ΔS	Cumulative ΣR
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
													(14)
Oct.	188	11	0	199	166		166	33	912	29	763	4	150
Nov.	156	10	1	167	141		141	26	938	25	788	1	151
Dec.	145	9	1	155	102		102	53	991	55	843	-2	149
Jan.	130	8	2	140	110		110	30	1,021	30	873	0	149
Feb.	111	7	2	120	100		100	20	1,041	21	894	-1	148
Mar.	130	8	0	138	110		110	28	1,069	29	923	-1	147
Apr.	232	23	1	256	153		153	103	1,172	103	1,026	0	147
May	438	57	3	498	486	3	489	9	1,181	9	1,035	0	147
June	981	79	1	1,061	708	8	716	345	1,526	338	1,373	7	154
July	534	29	0	563	770	11	781	-218	1,308	-205	1,168	-13	141
Aug.	371	16	3	390	677	8	685	-295	1,013	-277	891	-18	123
Sept.	276	12	1	289	533	3	536	-247	766	-243	648	-4	119
Year	3,692	269	15	3,976	4,056	*33	4,089	-113	766	-86	648	-27	119

^a Units: 1,000 acre-ft

* For months shown

TABLE 2.--PALISADES RESERVOIR WATER BUDGET^a

Month	Inflow			Outflow		Inflow-Outflow		Palisades Reservoir		Residual			
	Meas- ured inflow, I_m (1)	Unmeas- ured inflow, I_u (2)	Precipi- tation, I_p (3)	Total I (4)	Snake R. at Irwin O_m (5)	Evap- ora- tion O_e (6)	Total 0 (7)	Monthly I-O (8)	Change in con- tent ΔS (10)	Cumulative $\Sigma \Delta S$ (11)	Residual Bank Storage I-O- ΔS (12)	Cumulative ΣR (13)	
1959-60													
Oct.	214	12	1	227	156		156	71	75	723	-5	114	15.7
Nov.	179	9	0	188	138		138	50	49	772	1	115	14.1
Dec.	165	9	0	174	92		92	82	79	851	3	118	15.2
Jan.	153	8	1	162	84		84	78	76	927	2	120	13.0
Feb.	132	7	2	141	70		70	71	71	998	0	120	12.0
Mar.	141	9	1	151	73		73	78	77	1,075	1	121	11.2
Apr.	258	27	2	287	80		80	207	209	1,284	-2	119	9.3
May	433	56	1	490	552	3	555	-65	-65	1,219	0	119	9.8
June	639	56	1	696	764	6	770	-74	-67	1,150	-7	112	9.7
July	403	22	0	425	844	11	855	-430	-405	747	-25	87	11.6
Aug.	312	13	1	326	737	9	746	-420	-399	348	-21	66	19.0
Sept.	390	10	1	401	518	4	522	-121	-107	241	-4	62	25.7
Year	3,419	238	11	3,668	4,108	*33	4,141	-473	-407	241	-57	62	25.7

^a Units: 1,000 acre-ft

* For months shown

TABLE 2.--PALISADES RESERVOIR WATER BUDGET^a

Month	Inflow				Outflow			Inflow-Outflow		Palisades Reservoir		Residual		
	Meas- ured inflow, I_m (1)	Unmeas- ured inflow, I_u (2)	Precipi- tation, I_p (3)	Total I (4)	Snake R. at Irwin O_m (5)	Evap- ora- tion O_e (6)	Total O (7)	Monthly I-O (8)	Cumu- lative I-O (9)	Change in con- tents ΔS (10)	Cumu- lative $\Sigma \Delta S$ (11)	Residual Bank Storage I-O- ΔS (12)	Cumu- lative ΣR (13)	$\frac{\Sigma R}{\Sigma \Delta S} \times$ (14)
1960-61														
Oct.	195	10	1	206	140		140	66	359	62	303	4	66	21.8
Nov.	157	9	1	167	63		63	104	463	100	403	4	70	17.4
Dec.	133	8	1	142	61		61	81	544	78	481	3	73	15.2
Jan.	124	7	0	131	97		97	34	578	35	516	-1	72	14.0
Feb.	220	7	1	228	68		68	160	738	152	668	8	80	12.0
Mar.	244	7	1	252	76		76	176	914	171	839	5	85	10.1
Apr.	186	18	1	205	142		142	63	977	63	902	0	85	9.3
May	457	54	1	512	562	5	567	-55	922	-71	831	16	101	12.2
June	662	43	1	706	702	7	709	-3	919	0	831	-3	98	11.8
July	517	16	1	534	715	8	723	-189	730	-176	655	-13	85	13.0
Aug.	333	12	2	347	506	5	511	-164	566	-152	503	-12	73	14.5
Sept.	198	11	3	212	212	2	214	2	568	-10	493	12	85	17.3
Year	3,426	202	14	3,642	3,344	*27	3,371	275	568	252	493	23	85	17.3

^a Units: 1,000 acre-ft

* For months shown

TABLE 2.--PALISADES RESERVOIR WATER BUDGET^a

Month	Inflow			Outflow		Inflow-Outflow		Palisades Reservoir		Residual				
	Measured inflow, I_m (1)	Unmeasured inflow, I_u (2)	Precipitation, I_p (3)	Total I (4)	Snake R. at Irwin O_m (5)	Evaporation O_e (6)	Total 0 (7)	Monthly I-0 (8)	Cumulative I-0 (9)	Change in contents ΔS (10)	Cumulative $\Sigma \Delta S$ (11)	Residual Bank Storage I-0- ΔS (12)	Cumulative ΣR (13)	$\frac{\Sigma R}{\Sigma \Delta S} \times 100$ (14)
961-62														
Oct.	161	10	1	172	112		112	60	628	57	550	3	88	16.0
Nov.	139	9	1	149	71		71	78	706	71	621	7	95	15.3
Dec.	119	9	1	129	71		71	58	764	59	680	-1	94	13.8
Jan.	110	8	1	119	75		75	44	808	44	724	0	94	13.0
Feb.	113	9	3	125	56		56	69	877	80	804	-11	83	10.3
Mar.	117	10	1	128	52		52	76	953	76	880	0	83	9.5
Apr.	433	57	1	491	186		186	305	1,258	304	1,184	1	84	7.1
May	755	88	3	846	815	5	820	26	1,284	30	1,214	-4	80	6.6
June	829	78	2	909	783	8	791	118	1,402	77	1,291	41	121	9.4
July	676	39	2	717	737	14	751	-34	1,368	-20	1,271	-14	107	8.4
Aug.	462	19	1	482	600	12	612	-130	1,238	-135	1,136	5	112	9.9
Sept.	283	14	1	298	454	6	460	-162	1,076	-167	969	5	117	12.1
Year	4,197	350	18	4,565	4,012	*45	4,057	508	1,076	476	969	32	117	12.1

^a Units: 1,000 acre-ft

* For months shown

TABLE 2.--PALISADES RESERVOIR WATER BUDGET^a

Month	Inflow			Outflow			Inflow-Outflow	Palisades Reservoir		Residual					
	Meas-ured inflow, I _m (1)	Unmeas-ured inflow, I _u (2)	Precipi-tation, I _p (3)	Total I (4)	Snake R. at Irwin O _m (5)	Evap-ora-tion O _e (6)		Total O (7)	Monthly I-O (8)	Cumu-lative I-O (9)	Change in con-tents ΔS (10)	Cumu-lative Σ ΔS (11)	Residual Bank Storage I-O-ΔS (12)	Cumu-lative Σ R (13)	Σ R Σ ΔS (14)
1962-63															
Oct.	193	12	1	206	165		165	41	1,117	41	1,010	0	117	11	
Nov.	155	10	1	166	128		128	38	1,155	38	1,048	0	117	11.	
Dec.	134	8	1	143	125		125	18	1,173	20	1,068	-2	115	10.8	
Jan.	106	7	2	115	74		74	41	1,214	38	1,106	3	118	10.7	
Feb.	137	10	3	150	54		54	96	1,310	95	1,201	1	119	9.9	
Mar.	123	10	2	135	61		61	74	1,384	70	1,271	4	123	9.7	
Apr.	157	14	4	175	60		60	115	1,499	116	1,387	-1	122	8.8	
May	565	70	5	640	638	6	644	-4	1,495	-11	1,376	7	129	9.4	
June	1,085	66	5	1,156	1,094	6	1,100	56	1,551	28	1,404	28	157	11.2	
July	511	29	0	540	813	15	828	-288	1,263	-269	1,135	-19	138	12.2	
Aug.	344	16	1	361	536	11	547	-186	1,077	-179	956	-7	131	13.7	
Sept.	247	14	2	263	326	5	331	-68	1,009	-61	895	-7	124	13.8	
Year	3,757	266	27	4,050	4,074	*43	4,117	-67	1,009	-74	895	7	124	13.8	

^a Units: 1,000 acre-ft

* For months shown

TABLE 2.--PALISADES RESERVOIR WATER BUDGET^a

Month	Inflow				Outflow			Inflow-Outflow		Palisades Reservoir		Residual		
	Measured inflow, I_m	Unmeasured inflow, I_u	Precipitation, I_p	Total I	Snake R. at Irwin O_m	Evaporation O_e	Total	Monthly I-O	Cumulative I-O	Change in contents ΔS	Cumulative $\Sigma \Delta S$	Residual Bank Storage I-O- ΔS	Cumulative ΣR	Cumulative $\Sigma \Delta S$
1963-64														
Oct.	204	12	1	217	222		222	-5	1,004	-10	885	5	129	14.6
Nov.	158	10	3	171	88		88	83	1,087	83	968	0	129	13.3
Dec.	117	9	1	127	77		77	50	1,137	56	1,024	-6	123	12.0
Jan.	105	8	2	115	74		74	41	1,178	48	1,072	-7	116	10.8
Feb.	116	7	1	124	88		88	36	1,214	39	1,111	-3	113	10.2
Mar.	126	8	4	138	118		118	20	1,234	22	1,133	-2	111	9.8
Apr.	199	15	2	216	338		338	-122	1,112	-109	1,024	-13	98	9.6
May	766	78	2	846	836	3	839	7	1,119	-2	1,022	9	107	10.5
June	1,168	96	5	1,269	859	5	864	405	1,524	371	1,393	34	141	10.1
July	824	47	2	873	917	11	928	-55	1,469	-62	1,331	7	148	11.1
Aug.	436	20	1	457	585	9	594	-137	1,332	-132	1,199	-5	143	11.9
Sept.	243	14	0	257	401	6	407	-150	1,182	-151	1,048	1	144	13.7
Year	4,462	324	24	4,810	4,603	*34	4,637	173	1,182	153	1,048	20	144	13.7

a Units: 1,000 acre-ft

* For months shown

TABLE 2.--PALISADES RESERVOIR WATER BUDGET^a

Month	Inflow				Outflow		Inflow-Outflow		Palisades Reservoir		Residual			
	Meas- ured inflow, I _m (1)	Unmeas- ured inflow, I _u (2)	Precipi- tation, I _p (3)	Total I (4)	Snake R. at Irwin O _m (5)	Evap- ora- tion O _e (6)	Total O (7)	Monthly I-O (8)	Cumu- lative I-O (9)	Change in con- tents ΔS (10)	Cumu- lative Σ ΔS (11)	Residual Bank Storage I-O-ΔS (12)	Cumu- lative Σ R (13)	$\frac{\Sigma R}{\Sigma \Delta S} \times 100$ (14)
1964-65														
Oct.	176	12	1	189	218		218	-29	1,153	-39	1,009	10	154	15.3
Nov.	162	10	2	174	109		109	65	1,218	63	1,072	2	156	14.5
Dec.	185	12	5	202	129		129	73	1,291	69	1,141	4	160	14.0
Jan.	177	11	3	191	166		166	25	1,316	31	1,172	-6	154	13.1
Feb.	193	9	1	203	390		390	-187	1,129	-185	987	-2	152	15.4
Mar.	223	10	0	233	614		614	-381	748	-387	600	6	158	26.4
Apr.	455	37	2	494	592		592	-98	650	-91	509	-7	151	29.7
May	864	90	1	955	722	3	725	230	880	225	734	5	156	21.3
June	1,308	113	4	1,425	802	5	807	618	1,498	591	1,325	27	183	13.8
July	946	60	2	1,008	928	8	936	72	1,570	57	1,382	15	198	14.3
Aug.	523	26	1	550	584	7	591	-41	1,529	-27	1,355	-14	184	13.6
Sept.	352	18	3	373	367	4	371	2	1,531	5	1,360	-3	181	13.3
Year	5,564	408	25	5,997	5,621	*27	5,648	349	1,531	312	1,360	37	181	13.3

^a Units: 1,000 acre-ft

* For months shown

TABLE 2.--PALISADES RESERVOIR WATER BUDGET^a

Month	Inflow				Outflow			Inflow-Outflow		Palisades Reservoir		Residual			
	Meas- ured inflow, I_m (1)	Unmeas- ured inflow, I_u (2)	Precipi- tation, I_p (3)	Total I (4)	Snake R. at Irwin O_m (5)	Evap- ora- tion O_e (6)	Total O (7)	Monthly $I-O$ (8)	Cumulative $I-O$ (9)	Change in con- tent ΔS (10)	Cumulative $\Sigma \Delta S$ (11)	Residual Bank Storage $I-O-\Delta S$ (12)	Cumulative ΣR (13)	$\frac{\Sigma R}{\Sigma \Delta S} \times 100$ (14)	
1965-66															
Oct.	209	15	0	224	256		256	-32	1,563	-28	1,332	-4	177	13.3	
Nov.	165	12	3	180	208		208	-28	1,591	-28	1,304	0	177	13.6	
Dec.	143	11	1	155	225		225	-70	1,661	-72	1,232	2	179	14.5	
Jan.	150	9	1	160	172		172	-12	1,673	+1	1,233	-13	166	13.4	
Feb.	133	8	1	142	165		165	-23	1,696	-17	1,216	-6	160	13.1	
Mar.	147	9	1	157	144		144	+13	1,683	+20	1,236	-7	153	12.4	
Apr.	283	24	2	309	205		205	+104	1,579	+105	1,341	-1	152	11.3	
May	768	69	3	840	810		810	+30	1,549	+27	1,368	3	155	11.3	
June	672	44	1	717	736	5	741	-24	1,573	-12	1,356	-12	143	10.5	
July	405	20	1	426	773	9	782	-356	1,929	-343	1,013	-13	130	12.8	
Aug.	316	14	0	330	763	5	768	-438	2,367	-436	577	-2	128	22.2	
Sept.	290	11	1	302	410	2	412	-110	2,477	-107	470	-3	125	26.6	
Year	3,682	246	15	3,942	4,867	*21	4,888	-946	2,477	-890	470	-56	125	26.6	

^a Units: 1,000 acre-ft

* For months shown

TABLE 3.--EVAPORATION AND BANK STORAGE, PALISADES RESERVOIR^a

Year	Period	Evaporation O_e	Bank Storage R	Net loss $R + O_e$
1957	July to Sept.	13		
1958	June to Sept.	25	-12	+1
1959	May to Sept.	33	-14	+11
1960	May to Sept.	33	-20	+13
1961	May to Sept.	27	-57	-24
1962	June to Sept.	40	-16	+11
1963	July to Sept.	31	+45	+85
1964	July to Sept.	26	-33	-2
1965	July to Sept.	19	+3	+29
1966	June to Sept.	21	-2	+17
			-30	-9

^a Units: 1,000 acre-ft

APPENDIX--NOTATION

The following symbols have been adopted for use in this paper:

I_m = measured inflow;

I_u = unmeasured inflow;

I_p = precipitation on lake surface;

I = total inflow plus precipitation;

O_m = measured outflow;

O_e = evaporation from lake surface;

O = outflow plus evaporation;

ΔS = change in reservoir contents;

$R = I - O - \Delta S$ = residual or change in bank storage;

$\Sigma \Delta S$ = reservoir contents;

I_G = inflow from Greys River;

I_B = inflow from Bear Creek.

PRINCIPAL STREAMS AND GAGING STATIONS
WATER DISTRICT NO. 36

NO. STATION

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

0 10 20 30
SCALE IN MILES

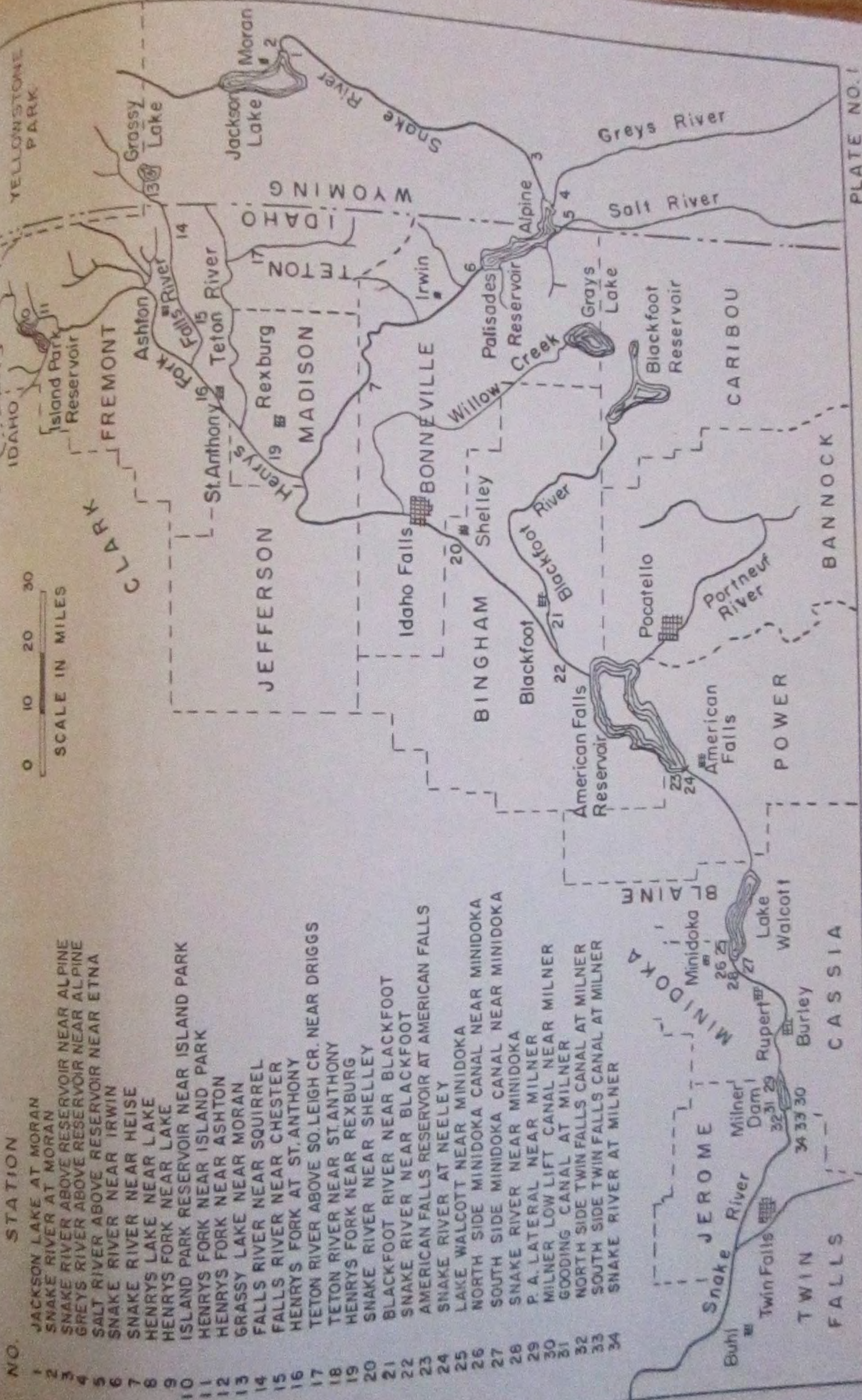
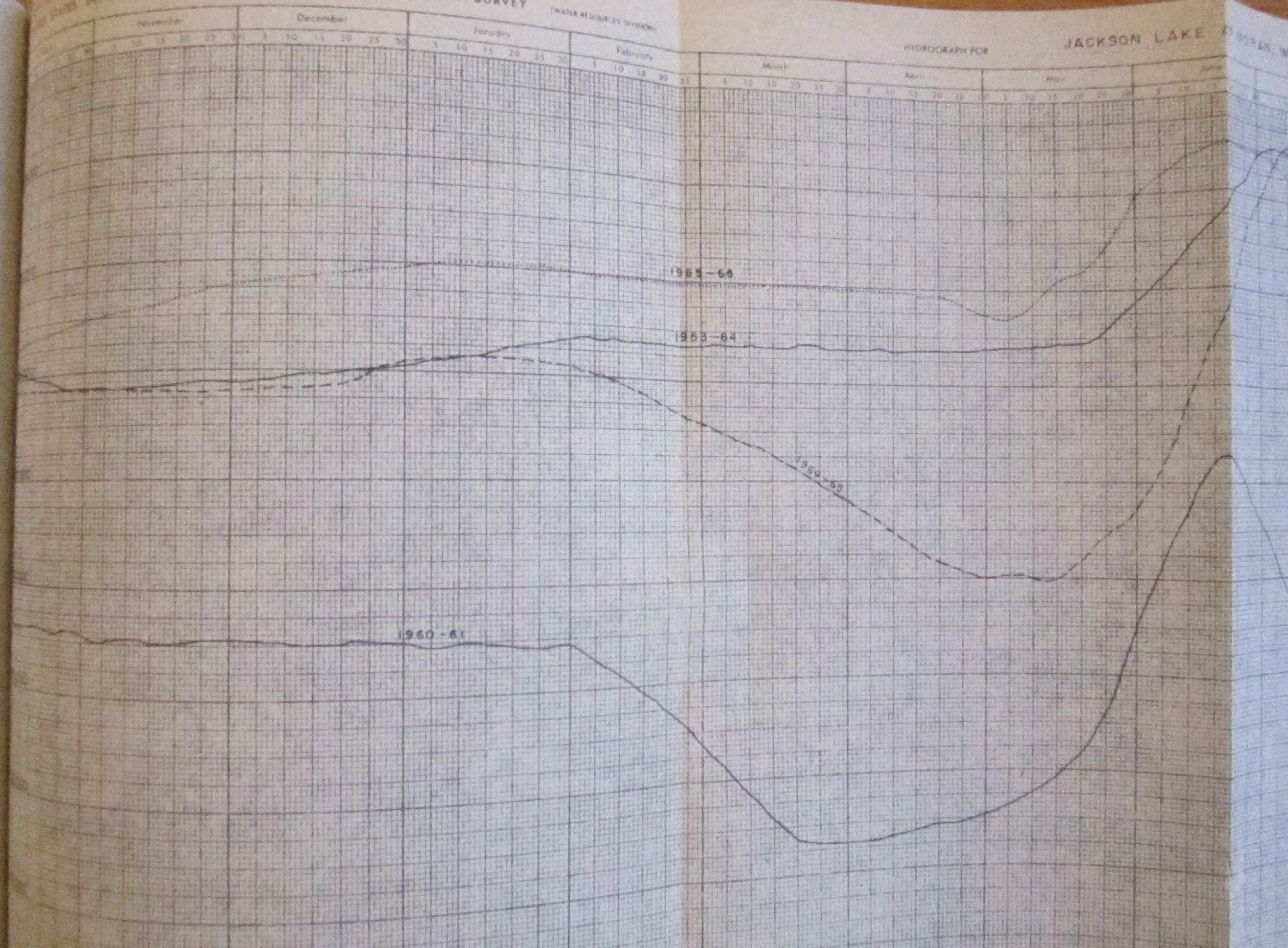


PLATE NO. 1

HYDROGRAPH FOR

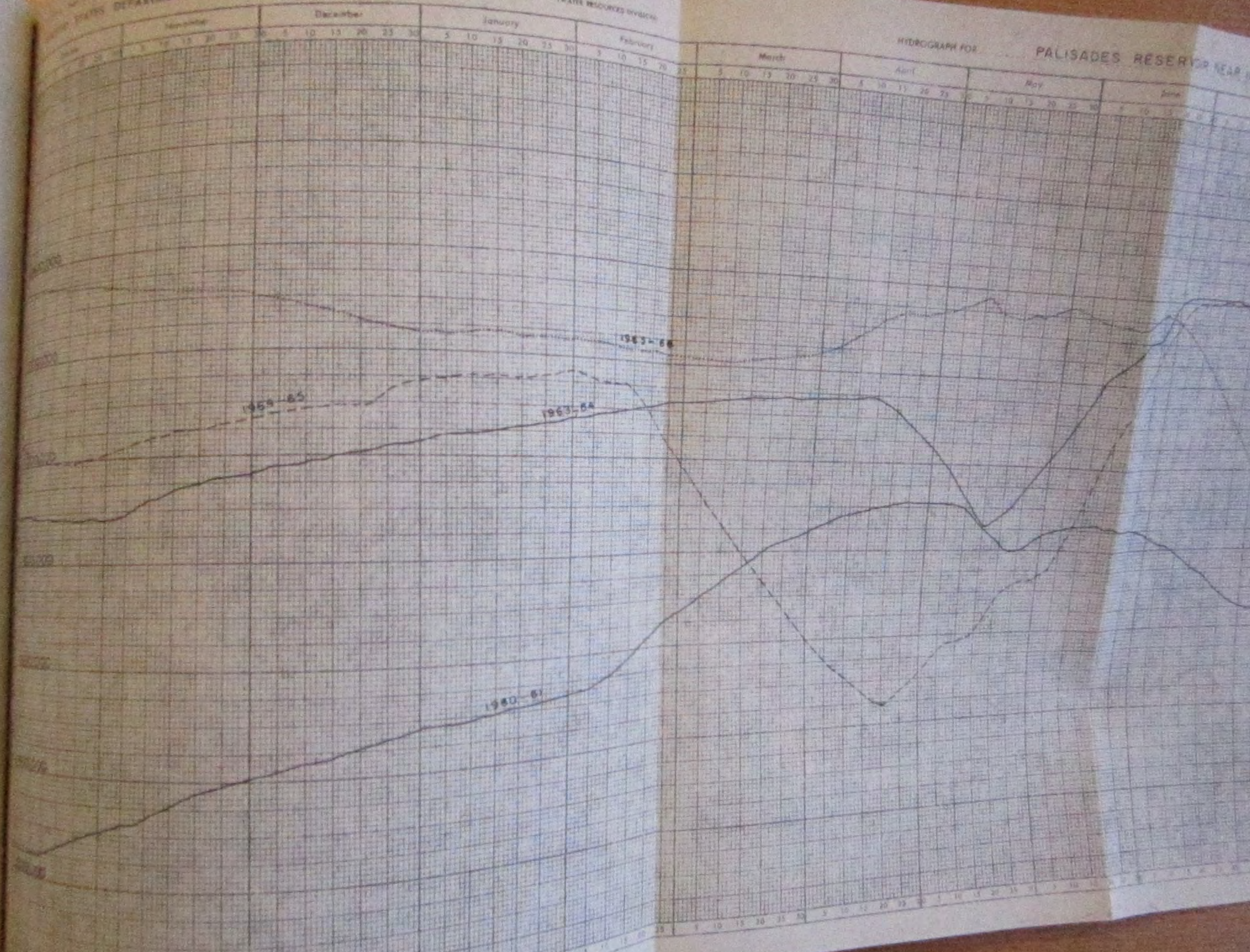
JACKSON LAKE

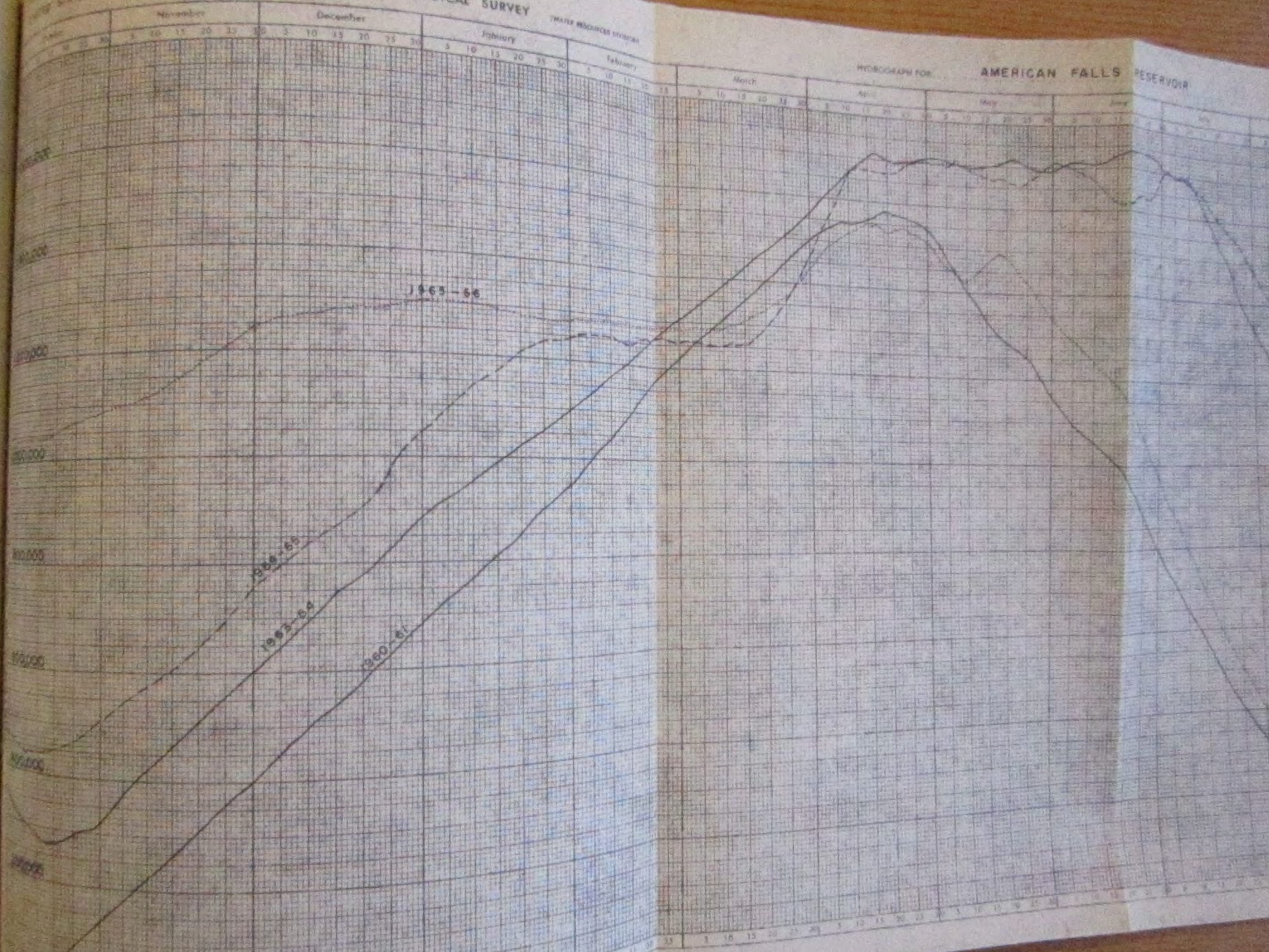
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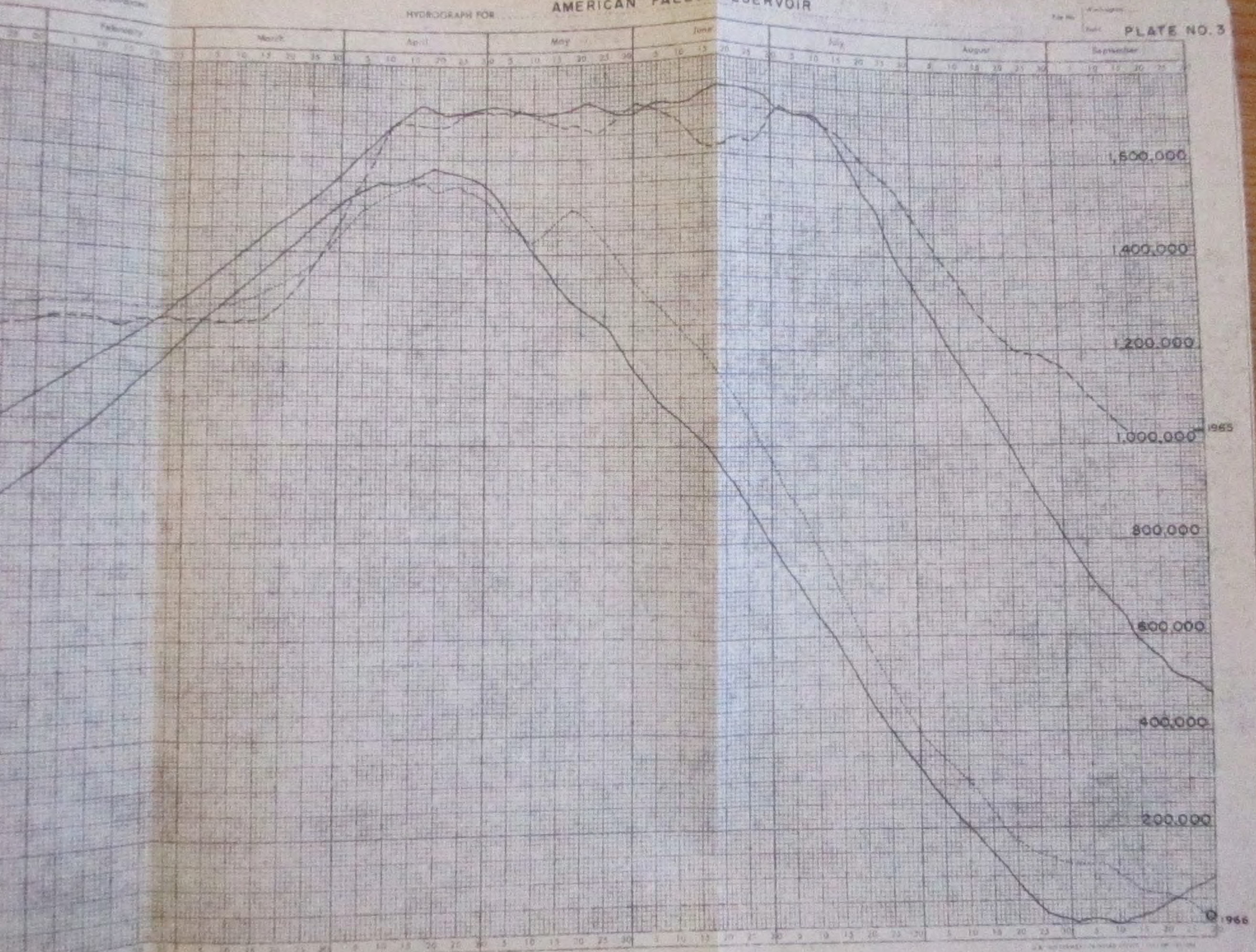
JACKSON LAKE AT MORAN, WYO

PLATE NO. 2



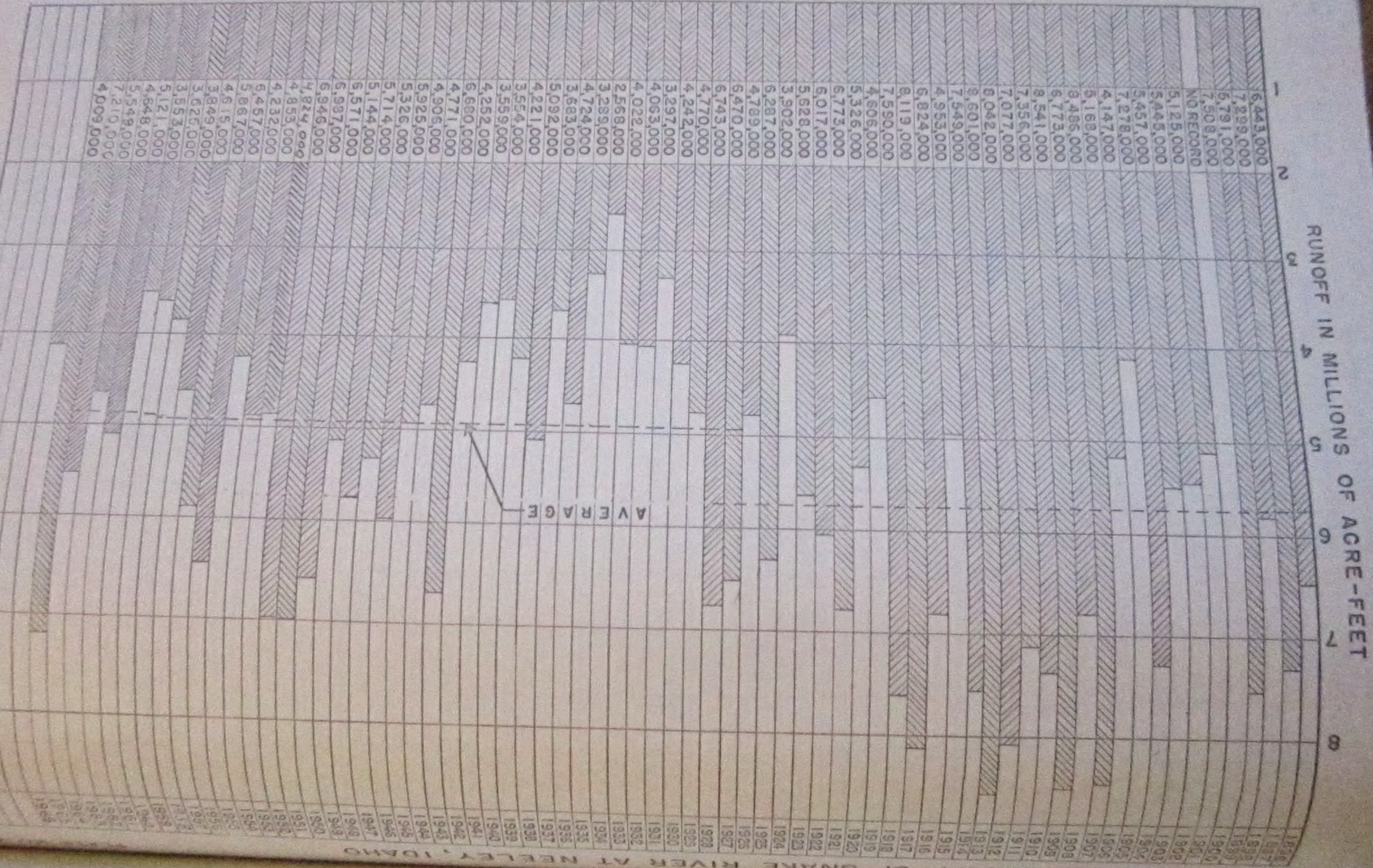


AMERICAN FALLS RESERVOIR

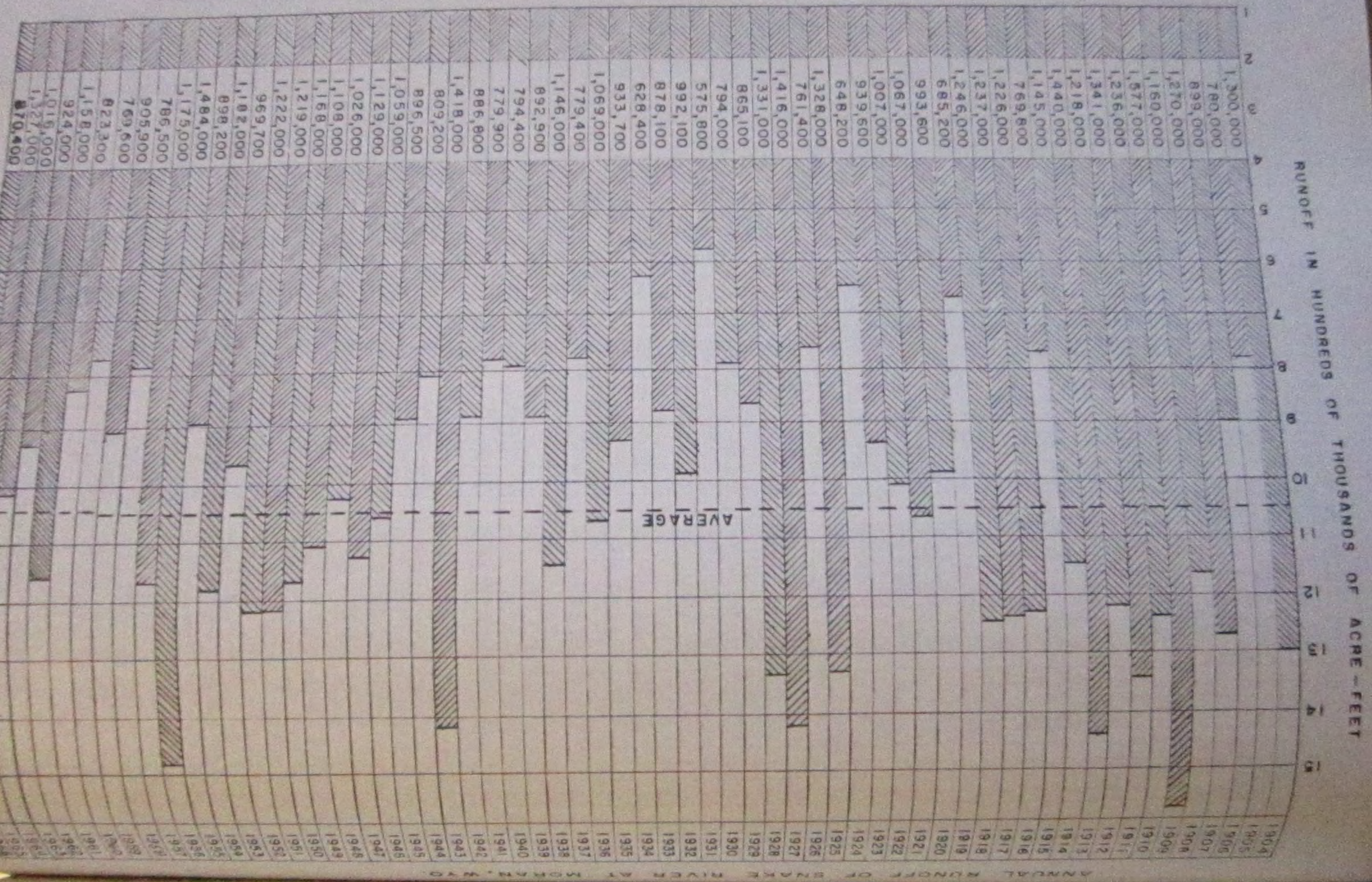


ANNUAL RUNOFF OF SNAKE RIVER AT NEELEY, IDAHO

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



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



[illegible]

DATE OF CATCH

RIVER CANALS									
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
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51	52	53	54	55	56	57	58	59	60
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861	862	863	864	865	866	867	868	869	870
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931	932	933	934	935	936	937	938	939	940
941	942	943	944	945	946	947	948	949	950
951	952	953	954	955	956	957	958	959	960
961	962	963	964	965	966	967	968	969	970
971	972	973	974	975	976	977	978	979	980
981	982	983	984	985	986	987	988	989	990
991	992	993	994	995	996	997	998	999	1000

TOTAL WEISE TO SHELLEY

RESERVATION

BLACKFOOT

NEW LAVA SIDE

PEOPLES

ABERDEEN

COBBETT

NIELSEN-HANSEN

RIVERSIDE

DASHIN

WARRICK

WATSON

PARSONS

TOTAL SHELLEY TO BLACKFOOT

DAILY DISCHARGE IN SECOND FEET OF SNARE									
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
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211	212	213	214	215	216	217	218	219	220
221	222	223	224	225	226	227	228	229	230
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251	252	253	254	255	256	257	258	259	260
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391	392	393	394	395	396	397	398	399	400
401	402	403	404	405	406	407	408	409	410
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421	422	423	424	425	426	427	428	429	430
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761	762	763	764	765	766	767	768	769	770
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841	842	843	844	845	846	847	848	849	850
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861	862	863	864	865	866	867	868	869	870
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901	902	903	904	905	906	907	908	909	910
911	912	913	914	915	916	917	918	919	920
921	922	923	924	925	926	927	928	929	930
931	932	933	934	935	936	937	938	939	940
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961	962	963	964	965	966	967	968	969	970
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981	982	983	984	985	986	987	988	989	990
991	992	993	994	995	996	997	998	999	1000

RILEY
 ANDERSON
 EARLE ROCK
 FARMERS R. END
 ENTERPRISE
 NELSON
 MALISON - CRAIG
 ARNSBERGER
 BUTLER ISLAND
 ROSS & RAND
 STEELE
 HARRISON
 CHENEY
 BOOMER
 RUDY
 KITE & NORD
 BURGESS
 CLARK & EDWARDS
 LOWDER & JENNINGS
 EAST LABELLE
 SUNNYDELL
 LENROOT
 REID
 TEXAS FEEDER
 NELSON COREY
 HILL PETTINGER
 RIGBY
 ISLAND
 DILLS
 WEST LABELLE B. LONG ISLAND
 PARKS & LEWISVILLE
 NORTH RIGBY
 WHITE
 ELLIS
 BRAMWELL
 BUTTE & MARKET LAKE
 OSGOOD
 BEAR ISLAND & SMITH
 KENNEDY
 IDAHO
 GREAT WESTERN
 PORTER
 COY & KELLER
 WOODVILLE
 SNAKE RIVER VALLEY
 TOTAL HEISE TO SHELLEY
 RESERVATION
 BLACKFOOT
 NEW LAVA SIDE
 PEOPLES
 ABERDEEN
 CORBETT
 NIELSEN - HANSEN
 RIVERSIDE
 DANSMAN
 LEGG
 WEARYICK
 WATSON
 PARSONS
 TOTAL SHELLEY TO BLACKFOOT

WATSON-CRAIG	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
ARNESBERGER	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
BUTLER ISLAND	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
ROSS & RAND	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
HARRISON	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
CHENEY	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
BOOMER	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
RUDY	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
KITE & NORD	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
BURGESS	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
CLARK & EDWARDS	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
LOWDER & JENNINGS	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
EAST LABELLE	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
SUNNYDELL	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
LENROOT	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
REID	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
TEXAS FEEDER	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
NELSON COREY	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																																												

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	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
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ATLANTIC	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
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ATLANTIC	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
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ATLANTIC	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
ATLANTIC	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
ATLANTIC	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
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ATLANTIC	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
ATLANTIC	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
ATLANTIC	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
ATLANTIC	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
ATLANTIC	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	5																																											

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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
WATERSHED CREEK	38	38	37	37	37	37	37	37	36	36	36	36	36	36	36	36	36	35	35	35	34	34	34	33	33	32	32	32	31	31	31
WATERSHED RIVER INFLOW	195	233	208	199	200	204	206	173	199	248	242	250	269	270	232	247	248	248	272	249	243	243	244	231	208	208	208	209	209	209	209
WATERSHED CREEK	463	465	466	468	469	471	473	474	476	477	479	480	482	483	482	481	480	479	477	476	475	474	472	471	470	469	468	467	466	464	463
WATERSHED CREEK	135	135	136	136	136	137	137	137	138	138	138	139	139	139	139	139	139	139	139	140	140	140	140	140	140	140	141	141	141	141	141
WATERSHED CREEK	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7
WATERSHED CREEK	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	27	27	27	27	27	27	27
WATERSHED CREEK	58	58	58	57	57	57	57	56	56	56	55	55	55	55	55	55	55	55	55	55	55	55	56	56	56	56	56	56	56	56	56
WATERSHED SPRINGS	9	10	10	10	10	11	11	11	11	12	12	12	12	12	12	12	11	11	11	10	10	10	10	9	9	9	9	8	8	8	8
WATERSHED SPRINGS	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	25	25	25	26	26	26	27	27	27	28	28	28	29	29
WATERSHED SPRINGS	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
WATERSHED SPRINGS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WATERSHED RIVER	341	340	346	341	344	288	235	205	177	203	235	221	200	174	169	149	133	120	103	62	56	81	90	90	59	53	27	23	21	25	25
WATERSHED DITCH	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0
WATERSHED WASTE	38	37	37	37	37	36	36	36	36	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
WATERSHED SPRINGS	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	55	55	55	55	55	55	55	55	56	56	56	56	56	56
WATERSHED SPRINGS	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4	4	4
WATERSHED WASTE	5	5	5	5	6	6	6	6	6																						

INFLOW TO AMERICAN FALLS RESERVOIR

JUNE

BETWEEN BLACKFOOT AND NEELEY STATIONS
24-HOUR SECOND-FEET

JULY

[illegible]

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

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79	18	202	205	206	202	201	205	214	218	223	224	230	228	231	226	213	222	232	237	235	236	245	246	249	249	249	248	238	239	238	236	238	236	235	233	233	232			
63	46	468	470	472	475	477	480	482	484	487	489	491	493	495	497	499	501	501	500	500	499	498	498	497	496	496	495	494	494	493	493	493	493	493	493					
28	13	134	134	133	132	132	131	131	130	129	129	128	128	127	127	126	126	127	128	129	130	131	132	133	135	136	137	138	139	140	141	141	141	141	141	141				
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104	100	98	101	101	97	87	82	76	74	67	69	66	70	83	74	63	58	60	58	49	48	44	44	44	44	44	48	52	53	53	53	55	58	58	59
2604	2605	2601	2610	2621	2613	2620	2648	2632	2653	2655	2655	2654	2647	2648	2650	2655	2659	2658	2653	2669	2679	2710	2749	2713	2714	2680	2676	2668	2676	2682	2690	2705	2708	2705	2725

DAILY SEGREGATION OF DATA

JACKSON LAKE CONTENTS ACRE-Feet	SHAKE RIVER AT MORAN			STORED LOSS MORAN TO ALPINE	DATE	SHAKE RIVER NEAR ALPINE			PALISADES RESERVOIR CONTENTS THOUSANDS OF ACRE-Feet	SHAKE RIVER NEAR IRWIN			IRWIN TO HEISE		HEISE & RILEY			STORED INFLOW HENRY'S FORK	HEISE TO SPELLEY		DATE	SHEAR NEAR STORED	
	STORED	NORMAL	TOTAL			STORED	NORMAL	TOTAL		STORED	NORMAL	TOTAL	STORED LOSS	STORED DIVERSIONS	STORED	NORMAL	TOTAL		STORED LOSS	STORED DIVERSIONS			
695,370			471		MAR 28				1,232			2,200											
			471		29				1,233			2,230											
			471		30				1,235			2,220											
			471		31				1,237			2,040											
695,760			471		APR 1				1,241			2,190											
695,540			471		2				1,245			2,200											
695,540			471		3				1,249			1,930											
			471		4				1,252			2,430											
			471		5			2,180	1,255			2,230											
			471		6			2,260	1,258			2,310											
			466		7			2,460	1,262			2,220											
			471		8			2,640	1,268			1,980											
			466		9			2,850	1,274			1,950											
			466		10			3,010	1,281			1,930											
			476		11		0	2,940	1,288		0	1,920	1,920			0	2,580	2,580					
697,000	0	799	799		12		0	3,010	1,294		0	2,030	2,030			0	2,510	2,510					
697,500	990	170	1,160	17	13	973	2,267	3,240	1,300	-270	2,330	2,060	-2		-268	2,778	2,510						
695,540	370	609	979	6	14	364	2,736	3,100	1,306	-810	2,850	2,040	-8		-804	3,518	2,510						
694,810	370	595	965	6	15	364	2,826	3,190	1,313	-326	2,356	2,030	-3		-323	2,838	2,510						
694,080	250	708	958	4	16	246	3,234	3,480	1,319	-2,786	5,016	2,230	-22		-2,784	5,554	2,790						
693,390	120	831	951	2	17	118	3,572	3,690	1,328	-4,422	6,692	2,270	-35		-4,387	7,247	2,860						
693,350	-370	1,321	951	-6	18	-364	3,924	3,560	1,333	-2,884	5,934	3,050	-23		-2,861	5,891	3,030						
694,080	0	951	951		19	0	3,230	3,230	1,333	0	4,880	4,880	0		0	5,230	5,230						
694,080	490	454	944	8	20	482	2,488	2,970	1,332	987	4,393	5,380	8		979	4,881	5,860						
694,080	490	454	944	8	20	482	2,488	2,970	1,332	987	4,393	5,380	8		979	4,881	5,860						
693,100	380	550	930	6	21	374	2,566	2,940	1,331	879	4,521	5,400	7		872	5,018	5,890						
692,350	240	920	1,160	4	22	236	2,934	3,170	1,330	741	4,659	5,400	6		735	5,125	5,860						
691,880	1,350	510	1,860	23	23	1,327	2,513	3,840	1,330	1,327	4,053	5,380	11		1,318	4,544	5,860						
689,200	1,470	630	2,100	25	24	1,445	2,555	4,000	1,331	940	4,440	5,380	8		932	4,928	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280	1,350	710	2,060	23	25	1,327	2,813	4,140	1,332	317	5,063	5,380	3		314	5,546	5,860						
688,280																							

DATA AT AND BETWEEN SNAKE RIVER GAGING STATION										
STATION	DATE	TIME	WATER SURFACE ELEVATION	WATER SURFACE AREA	WATER SURFACE VELOCITY	WATER SURFACE VELOCITY	WATER SURFACE VELOCITY	WATER SURFACE VELOCITY	WATER SURFACE VELOCITY	WATER SURFACE VELOCITY
1	24	00	24	00	24	00	24	00	24	00
2	24	00	24	00	24	00	24	00	24	00
3	24	00	24	00	24	00	24	00	24	00
4	24	00	24	00	24	00	24	00	24	00
5	24	00	24	00	24	00	24	00	24	00
6	24	00	24	00	24	00	24	00	24	00
7	24	00	24	00	24	00	24	00	24	00
8	24	00	24	00	24	00	24	00	24	00
9	24	00	24	00	24	00	24	00	24	00
10	24	00	24	00	24	00	24	00	24	00
11	24	00	24	00	24	00	24	00	24	00
12	24	00	24	00	24	00	24	00	24	00
13	24	00	24	00	24	00	24	00	24	00
14	24	00	24	00	24	00	24	00	24	00
15	24	00	24	00	24	00	24	00	24	00
16	24	00	24	00	24	00	24	00	24	00
17	24	00	24	00	24	00	24	00	24	00
18	24	00	24	00	24	00	24	00	24	00
19	24	00	24	00	24	00	24	00	24	00
20	24	00	24	00	24	00	24	00	24	00
21	24	00	24	00	24	00	24	00	24	00
22	24	00	24	00	24	00	24	00	24	00
23	24	00	24	00	24	00	24	00	24	00
24	24	00	24	00	24	00	24	00	24	00
25	24	00	24	00	24	00	24	00	24	00
26	24	00	24	00	24	00	24	00	24	00
27	24	00	24	00	24	00	24	00	24	00
28	24	00	24	00	24	00	24	00	24	00
29	24	00	24	00	24	00	24	00	24	00
30	24	00	24	00	24	00	24	00	24	00
31	24	00	24	00	24	00	24	00	24	00
32	24	00	24	00	24	00	24	00	24	00
33	24	00	24	00	24	00	24	00	24	00
34	24	00	24	00	24	00	24	00	24	00
35	24	00	24	00	24	00	24	00	24	00
36	24	00	24	00	24	00	24	00	24	00
37	24	00	24	00	24	00	24	00	24	00
38	24	00	24	00	24	00	24	00	24	00
39	24	00	24	00	24	00	24	00	24	00
40	24	00	24	00	24	00	24	00	24	00
41	24	00	24	00	24	00	24	00	24	00
42	24	00	24	00						

SNAKE RIVER NEAR SHELLEY				SHELLEY TO BLACKFOOT		THEORETICAL BALANCE OF STORAGE AT BLACKFOOT	24 HOUR SECOND- FEET EXCEPT AS NOTED				BLACKFOOT TO HEELEY		SNAKE RIVER AT HEELEY		WALLEY CONTENTS				
DATE	STORED	NORMAL	TOTAL	STORED	STORED LOSS		DATE	BLACKFOOT RIVER	STORED	NORMAL	TOTAL	CALCULATED IN FLOW	STORED DIVERIONS	DATE	AMERICAN FALLS RESERVOIR CONTENTS THOUSANDS OF ACRES- FEET	STORED	NORMAL	TOTAL	WALLEY CONTENTS ACRES- FEET
MAR 29			4,310																
30			4,690				MAR 30												
31			4,880				31		4,480	4,480				MAR 31	1,438			1,850	88.20
APR 1			5,050				APR 1		4,600	4,600				APR 1	1,449			992	87.10
2			5,250				2		4,960	4,960				2	1,470			1,010	83.10
3			5,190				3		5,090	5,090				3	1,476			1,750	85.40
4			4,860				4		5,170	5,170				4	1,486			2,430	83.10
5			4,720				5		5,040	5,040				5	1,494			2,480	84.00
6			4,530				6		4,670	4,670				6	1,502			2,520	84.10
7			4,500				7		4,800	4,800				7	1,514			2,570	84.10
8			4,490				8		4,400	4,400				8	1,522			3,090	83.10
9			4,200				9		4,440	4,440				9	1,527			4,150	82.10
10			4,160				10		4,440	4,440				10	1,527			4,610	83.10
11			4,250				11		4,160	4,160				11	1,538	0	4,570	4,570	82.90
12	0	4,280	4,280				12		4,300	4,300				12	1,538	0	4,570	4,570	84.10
13	0	4,170	4,170				13		4,360	4,360				13	1,545	464	5,034	4,570	84.10
14	255	4,265	4,010		15	240	14		4,220	4,220				14	1,547	441	5,881	5,240	85.10
15	765	4,695	3,930		46	719	15	240	4,080	4,080		41	15	1,549	798	6,508	5,710	84.10	
16	307	4,197	3,890		18	289	16	719	4,170	3,930	2,920	41	16	1,545	420	7,090	6,870	82.10	
17	2,629	6,719	4,090		57	2,472	17	289	4,499	3,780	2,920	21	17	1,549	451	7,419	7,870	83.10	
18	4,173	8,483	4,310		50	3,923	18	2,472	4,029	3,740	2,920	21	18	1,545	2,351	6,949	9,300	83.10	
19	2,722	7,382	4,680		53	2,559	19	3,923	6,592	4,120	2,920	10	19	1,530	2,384	6,666	9,250	85.10	
20	0	6,350	6,350		0	0	20	2,559	8,223	4,300	2,920	22	20	1,530	1,278	6,544	7,820	87.10	
21	931	6,099	7,030		56	875	21	0	7,959	5,400	2,910	51	21	1,534	248	6,752	7,000	88.10	
22	829	6,171	7,000		50	779	22	875	6,140	6,140	2,910	38	22	1,537	282	7,112	6,830	88.10	
23	699	6,231	6,930		42	657	23	779	5,055	5,930	2,910	38	23	1,540	329	7,499	7,170	89.10	
24	1,252	5,668	6,920		75	1,177	24	657	5,211	5,990	2,910	43	24	1,541	235	8,015	7,780	88.10	
25	886	5,924	6,810		53	833	25	1,177	5,293	5,950	2,900	46	25	1,540	707	8,193	8,900	87.10	
26	299	6,561	6,860		18	281	26	833	4,623	5,800	2,900	78	26	1,530	2,327	7,523	9,850	83.10	
27	404	7,524	7,120		24	380	27	281	4,697	5,530	2,900	46	27	1,530	2,603	7,597	10,200	86.10	
28	133	7,143	7,010		8	125	28	380	5,289	5,570	2,900	80	28	1,527	2,411	8,189	10,600	87.10	
29	432	6,118	6,550		26	406	29	125	5,930	5,550	2,900	93	29	1,520	1,870	8,830	10,700	88.10	
30	405	6,765	6,360		24	381	30	406	5,235	5,110	2,900	97	30	1,512	2,465	8,135	10,600	89.10	
MAY 1	290	5,770	6,060		17	273	MAY 1	381	3,994	4,400	2,900	104	MAY 1	1,504	3,306	8,894	10,800	90.10	
2	886	6,626	5,740		53	1,020	2	381	3,994	4,400	2,900	104	2	1,495	3,694	7,408	11,100	92.40	
3	1,065	6,315	5,230		65	833	3	273	4,371	3,990	3,035	109	3	1,483	4,705	8,095	10,800	92.40	
4	739	6,249	5,510		44	895	4	833	3,117	3,390	2,978	72	4	1,472	4,524	6,276	10,800	92.40	
5	970	7,930	6,960		58	912	5	1,020	3,293	2,460	2,983	111	5	1,458	5,484	5,916	11,400	91.10	
6	730	8,930	8,200		44	886	6	895	2,980	1,940	2,956	125	6	1,445	6,088	5,712	11,800	90.10	
7	944	10,714	9,770		57	887	7	912	2,755	2,060	2,957	126	7	1,435	4,956	7,244	12,200	91.40	
8	944	12,044	11,100		57	887	8	886	4,750	4,332	2,912	123	8	1,427	3,974	8,226	12,200	91.40	
9	944	12,744	11,600		57	887	9	887	5,378	4,690	2,850	122	9	1,421	2,158	10,042	12,200	91.10	
10	1,415	14,615	13,200		85	1,330	10	887	7,217	6,330	2,825	136	10	1,422	889	10,911	11,800	90.10	
11	4,718	20,018	15,300		283	1,774	11	887	8,157	7,270	2,798	131	11	1,432	289	10,711	11,000	94.10	
12	1,887	18,987	17,100		113	1,774	12	887	9,657	8,770	2,842	40	12	1,437	219	10,481	10,700	95.10	
13	1,887	19,413	17,300		113	1,774	13	1,330	13,230	11,900	2,921	28	13	1,451	540	10,380	10,800	94.10	
							14	4,435	17,535	13,900	2,943	18	14	1,455	869	10,431	11,100	92.10	
								1,774	16,474	14,800	2,894	25	15	1,470	837	10,383	11,200	96.10	
									12,926	14,700	2,881								

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1966

KEY STATIONS FEET	MINIDOKA CANALS				SNAKE RIVER NEAR MINIDOKA				DATE	MILNER LAKE GAGE FEET	MINIDOKA NORTH SIDE PUMP STORED	MINOR DIVERSIONS NEELEY TO MILNER STORED	GODDING PROJECT			NORTH SIDE CANAL COMPANY					TWIN FALLS CANAL COMPANY							
	NORTH	SOUTH	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL					STORED	NORMAL	TOTAL	P.A.	GODDING	MAIN	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL				
200									APR 1	9.10																		
980									2	7.98																		
770									3	8.02																		
840									4	8.11																		
170	0		0						5	8.37																		
820	99		99						6	8.72																		
240	236		236						7	8.96																		
120	332	0	332						8	8.89																		
310	393	24	417						9	8.96																		
190	490	75	565						10	9.36																		
940	590	82	672						11	9.73																		
660	706	107	813						12	10.30																		
240	808	191	999						13	10.46																		
700	891	193	1,084	0	1,084	830	3,950	3,320	14	10.36	12		0	0	0			1,520	1,520									
050	1,050	201	1,251	0	1,251	520	4,430	3,910	15	10.15	22		130	0	130		180	1,530	1,710	0	1,710	0	2,240					
350	1,190	286	1,476	0	1,476	560	5,030	4,470	16	10.04	22		400	0	400		270	1,500	1,770	0	1,770	0	2,860					
840	1,260	390	1,650	0	1,650	320	5,440	5,120	17	9.63	22		390	0	390		510	1,520	2,030	0	2,030	0	3,000					
310	1,400	459	1,859	0	1,859	490	5,560	6,050	18	9.94	31		400	0	400		650	1,800	2,450	0	2,450	0	2,990					
540	1,460	489	1,949	0	1,949	1,780	5,000	6,780	19	10.72	45		710	0	710		860	1,880	2,540	0	2,540	0	3,020					
520	1,240	496	1,736	0	1,736	1,630	4,930	6,560	20	11.15	45		900	0	900		700	1,490	2,190	0	2,190	0	2,810					
730	1,140	504	1,644	0	1,644	660	4,900	5,560	21	10.99	45		950	0	950		690	1,450	2,140	0	2,140	0	2,790					
550	1,110	552	1,662	0	1,662	170	5,090	5,260	22	10.91	45		810	0	810		860	1,440	2,100	0	2,100	0	2,600					
660	1,020	619	1,639	0	1,639	283	5,473	5,190	23	10.68	60		720	0	720		650	1,570	2,220	0	2,220	0	2,870					
430	1,020	724	1,744	0	1,744	115	5,755	5,640	24	10.42	60		710	0	710	0	630	1,690	2,320	0	2,320	0	3,020					
310	1,060	841	1,901	0	1,901	14	6,114	6,100	25	10.28	71		710	0	710		840	1,870	2,510	0	2,510	0	3,310					
730	1,150	949	2,099	160	1,939	546	6,254	6,800	26	9.71	84		840	0	840	19	660	2,090	2,769	0	2,769	0	3,200					
770	1,240	1,040	2,280	1,177	1,103	1,620	6,420	8,040	27	10.39	87		990	0	990	34	670	2,240	2,944	0	2,944	0	3,300					
220	1,250	1,100	2,350	1,085	1,265	1,428	6,332	7,760	28	10.71	89		1,160	0	1,160	32	700	2,390	3,122	12	3,110	0	3,310					
500	1,350	1,180	2,530	623	1,907	1,198	6,282	7,480	29	10.68	95		1,230	0	1,230	32	720	2,330	3,082	0	3,082	0	3,250					
080	1,460	1,190	2,650	192	2,458	882	6,372	7,260	30	10.69	101		1,230	0	1,230	42	740	2,270	3,052	0	3,052	0	3,330					
940	1,490	1,200	2,690	991	1,699	904	6,436	7,340	MAY 1	10.64	102		1,220	0	1,220	46	750	2,360	3,156	0	3,156	0	3,300					
890	1,540	1,210	2,750	1,024	1,726	2,342	5,188	7,510	2	10.66	107		1,230	0	1,230	46	750	2,410	3,206	1,038	2,168	100	3,000					
160	1,560	1,240	2,800	1,074	1,726	2,110	5,680	7,790	3	10.82	124		1,270	0	1,270	52	760	2,440	3,252	572	2,680	180	3,000					
160	1,580	1,310	2,890	1,164	1,726	3,611	4,369	7,980	4	10.83	137		1,360	0	1,360	58	760	2,510	3,328	1,959	1,369	490	3,000					
160	1,670	1,340	3,010	1,284	1,726	3,380	4,550	7,930	5	10.70	154		1,410	0	1,410	59	760	2,590	3,409	1,859	1,550	160	3,000					
370	1,740	1,320	3,060	1,334	1,726	4,050	4,190	8,240	6	10.62	168		1,410	0	1,410	63	760	2,590	3,413	2,223	1,190	650	3,000					
990	1,760	1,210	3,070	1,344	1,726	4,714	3,986	8,700	7	10.74	177		1,480	0	1,480	60	760	2,800	3,420	2,434	986	670	3,000					
480	1,700	1,340	3,040	1,304	1,726	3,502	5,518	9,020	8	10.96	179		1,540	0	1,540	61	780	2,640	3,481	963	2,518	680	3,000					
890	1,700	1,360	3,060	834	2,226	3,290	6,000	9,290	9	11.16	187		1,520	0	1,520	67	880	2,680	3,527	627	3,000	880	3,000					
570	1,670	1,350	3,020	294	2,726	1,767	7,313	9,080	10	11.26	195		1,450	0	1,450	68	900	2,810	3,578	0	3,578	40	3,000					
530	1,510	1,330	2,840	114	2,726	1,069	8,191	9,260	11	11.15	177		640	850	1,490	66	920	2,820	3,606	0	3,606	70	3,000					
370	1,390	1,200	2,590	0	2,590	459	8,121	8,580	12	11.03	170		620	850	1,470	66	910	2,560	3,536	0	3,536	40	3,000					
910	1,280	1,120	2,400	0	2,400	179	8,081	8,260	13	10.73	164		570	850	1,420	66	890	2,540	3,496	0	3,496	80	3,000					
720	1,160	1,110	2,270	0	2,270	460	8,090	8,550	14	10.23	164		550	850	1,400	65	880	2,380	3,505	0	3,505	80	3,000					
970	1,160	1,090	2,250	0	2,250	839	8,161	9,020	15	10.85	164		600	850	1,450	68	930	2,600	3,596	0	3,596	40	3,000					
510	1,230	1,020	2,250	0	2,250	1,177	8,113	9,290	16	11.16	160		600	850	1,450	68	930	2,580	3,576	0	3,576	0	3,000					
												(3,487)			31,000						(1,587)		(4,887)					

TATI

PLATE NO. 12

ELEVATION FEET	NORTH	TWIN FALLS MINICANAL COMPANY			MILNER LOW LIFT			SNAKE RIVER AT MILNER		
		STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL
200										603
980										240
770										233
640										233
170	0									142
820	99									34
240	236									93
120	332									93
310	393									94
190	490									104
340	590			1,740						112
580	706			1,920						114
240	808			2,040			8	0	118	118
700	891	0	2,240	2,240			41	118	0	118
050	1,050	0	2,660	2,660			52	118	0	118
350	1,190	0	3,000	3,000			63	118	0	118
640	1,260	0	2,990	2,990			44	118	0	118
310	1,400	0	3,020	3,020			44	121	0	121
540	1,460	0	2,810	2,810			47	127	0	127
520	1,240	0	2,790	2,790			60	142	0	142
730	1,140	0	2,800	2,800			99	134	0	134
550	1,510	0	2,870	2,870			120	130	0	130
860	1,020	0	3,020	3,020	0	133	133	127	0	127
430	1,020	0	3,110	3,110	14	135	149	127	0	127
310	1,060	0	3,210	3,210	44	135	179	126	0	126
730	1,150	0	3,310	3,310	187	0	187	122	0	122
770	1,240	0	3,310	3,310	189	0	189	124	0	124
220	1,250	0	3,250	3,250	189	0	189	126	0	126
500	1,350	0	3,230	3,230	189	0	189	127	0	127
080	1,460	0	3,290	3,290	189	0	189	127	0	127
940	1,490	0	3,280	3,280	189	0	189	126	0	126
880	1,540	300	3,000	3,300	201	0	201	126	0	126
160	1,560	380	3,000	3,380	200	0	200	132	0	132
160	1,580	490	3,000	3,490	198	0	198	140	0	140
180	1,670	560	3,000	3,560	206	0	206	142	0	142
570	1,740	630	3,000	3,630	206	0	206	138	0	138
990	1,760	670	3,000	3,670	207	0	207	137	0	137
480	1,700	660	3,000	3,660	202	0	202	143	0	143
690	1,700	660	3,000	3,660	200	0	200	124	0	124
570	1,670	40	3,600	3,640	68	135	201	47	0	47
530	1,510	70	3,600	3,670	74	135	209	51	0	51
370	1,390	40	3,600	3,640	74	135	210	34	0	34
910	1,280	90	3,600	3,690	75	135	210	29	0	29
720	1,180	60	3,600	3,660	75	135	211	31	0	31
		40	3,600	3,640	76	135	211	43	0	43

DAILY SEGREGATION OF DATA

JACKSON LAKE CONTENTS ACRE-Feet	SNAKE RIVER AT MORAN			STORED LOSS MORAN TO ALPINE	DATE	SNAKE RIVER NEAR ALPINE			PALISADES RESERVOIR CONTENTS THOUSANDS OF ACRE-Feet	SNAKE RIVER NEAR IRWIN			IRWIN TO HEISE		HEISE & RILEY			STORED IN FLOW HENRYS FORK	HEISE TO SHELLEY		DATE	NO. STG.	
	STORED	NORMAL	TOTAL			STORED	NORMAL	TOTAL		STORED	NORMAL	TOTAL	STORED LOSS	STORED DIVERSIONS	STORED	NORMAL	TOTAL		STORED LOSS	STORED DIVERSIONS			
1,790			1,790		MAY 13			8,660	1,369	4,000	14,300	18,300	32		3,968	15,648	19,616	194			MAY 14	1	
1,850			1,850		14			8,000	1,339	5,000	13,300	18,300	40		4,960	14,856	19,816	242			15	2	
1,880			1,880		15			7,800	1,346	6,500	11,800	18,300	52		5,448	13,089	19,537	314			16	3	
1,910			1,910		16			7,300	1,339	3,500	11,700	15,200	28		3,472	14,448	17,920	169			17	4	
1,930			1,930		17			7,380	1,338	500	11,000	11,500	4		496	12,322	12,818	24			18	5	
1,960			1,960		18			7,300	1,338	0	11,100	11,100	0		0	12,019	12,019	0			19	6	
1,980			1,980		19			7,350	1,337	0	11,100	11,100	0		0	11,919	11,919	0			20	7	
2,020			2,020		20			7,620	1,338	0	11,100	11,100	0		0	11,920	11,920	0			21	8	
2,060			2,060		21			8,350	1,339	505	11,605	11,100	4		501	12,421	11,920	24			22	9	
2,130	0	2,130	2,130		22			9,840	1,345	3,030	14,130	11,100	24		3,008	14,927	11,921	146			23	10	
2,200	0	2,200	2,200		23	0	9,750	9,750	1,350	2,520	13,620	11,100	20		2,500	14,422	11,922	122			24	11	
2,240	1,292	3,532	2,240	- 22	24	1,270	9,900	8,630	1,350	1,270	13,770	12,500	10		1,260	13,883	12,423	62			25	12	
2,260	1,870	4,130	2,260	- 32	25	1,838	10,418	8,580	1,345	682	13,418	14,100	5		677	14,046	14,723	33			26	13	
2,280	2,490	4,770	2,280	- 42	26	2,448	11,978	9,530	1,345	2,448	15,948	13,500	20		2,428	16,951	14,523	119			27	14	
2,310	2,242	4,552	2,310	- 38	27	2,204	13,104	10,900	1,348	3,714	16,814	13,100	30		3,684	17,507	13,823	180			28	15	
2,350	987	3,317	2,350	- 16	28	951	13,051	12,100	1,353	3,471	16,571	13,100	27		3,444	17,268	13,824	168			29	16	
2,410	0	2,410	2,410		29	0	1,270	12,700	1,360	3,530	16,630	13,100	28		3,502	17,326	13,824	171			30	17	
2,450	0	2,450	2,450		30			12,900	1,365	2,520	16,620	14,300	20		2,500	17,025	14,525	122			31	18	
2,490			2,490		31			13,600	1,369	2,020	17,420	15,400	16		2,004	17,929	15,925	98			JUNE 1	19	
2,540			2,540		JUNE 1			12,900	1,370	505	17,905	17,400	4		501	17,227	16,726	24	645		2	20	
3,460			3,460		2			13,100	1,367	1,510	16,190	17,700	12		1,498	16,828	18,326	73	653		3	21	
3,920			3,920		3			11,900	1,364	1,510	15,190	16,700	12		1,498	16,129	17,627	73	518		4	22	
2,990	0	2,990	2,990		4	0	10,900	10,900	1,362	1,010	14,690	15,700	8		1,002	15,225	16,227	49	318		5	23	
4,570	1,910	4,570	2,660	- 33	5	1,877	11,287	9,410	1,357	643	14,257	14,900	5		638	14,889	15,527	31	329		6	24	
3,880	1,400	3,880	2,480	- 24	6	1,376	9,976	8,600	1,353	634	13,366	14,000	5		629	13,998	14,627	98	31	681	7	25	
2,035	2,035	4,255	2,220	- 35	7	2,000	10,350	8,350	1,349	0	13,500	13,500	0		0	13,827	13,827	408	0	911	8	26	
3,626	1,336	3,626	2,090	- 26	8	1,510	9,730	8,220	1,345	510	12,990	13,500	4		506	13,322	13,828	327	25	973	9	27	
4,020	1,930	4,020	2,090	- 33	9	1,897	9,657	7,760	1,341	123	13,077	13,200	1		122	13,502	13,624	130		1,847	10	28	
4,050	1,920	4,050	2,130	- 33	10	1,887	9,677	7,790	1,337	133	12,867	13,000	1		132	13,191	13,323	203		1,585	11	29	
2,691	551	2,691	2,140	- 9	11	542	9,232	8,690	1,336	37	12,737	12,700	0		37	13,162	13,125	218	2	1,368	12	30	
3,588	1,136	3,588	2,450	- 19	12	1,117	9,997	8,880	1,335	1,117	13,317	12,200	9		1,108	13,722	12,614	226	54	1,151	13	31	
3,170	130	3,170	3,040	- 2	13	128	8,788	8,660	1,335	128	11,528	11,400	1		127	12,136	12,009	212	8	1,162	14	32	
2,820	510	2,820	3,330	9	14	501	7,829	8,330	1,335	501	10,899	11,400	4		497	11,112	11,609	192	24	1,145	15	33	
3,180	0	3,180	3,180		15	0	8,220	8,220	1,333	1,010	10,790	11,800	8		1,002	10,919	11,921	130	49	1,587	16	34	
3,555	515	3,555	3,040	- 9	16	506	9,226	8,720	1,331	582	11,718	12,300	5		577	11,847	12,424	224	28	1,778	17	35	
3,620	520	3,620	3,100	- 9	17	511	9,921	9,410	1,330	73	12,227	12,300	1		72	12,552	12,624	73	4	1,755	18	36	
3,810	280	3,810	3,550	- 4	18	256	10,656	10,400	1,332	754	12,954	12,200	6		748	13,172	12,424	68	37	1,581	19	37	
3,890	0	3,890	3,890		19	0	10,800	10,600	1,334	1,010	12,910	11,900	8		1,002	13,326	12,324	247	49	1,218	20	38	
3,890	0	3,890	3,890		20	0	11,000	11,000	1,338	2,020	13,820	11,600	16		2,004	13,928	11,924	420	98	1,334	21	39	
3,880	0	3,880	3,880		21	0	11,200	11,200	1,342	2,020	13,220	11,200	16		2,004	13,628	11,624	341	98	1,342	22	40	
3,860	0	3,860	3,860		22	0	11,600	11,600	1,348	3,030	14,030	11,000	24		3,006	14,330	11,324	338	190	1,162	23	41	
3,940	260	3,940	4,200	4	23	256	11,944	12,200	1,356	3,784	14,084	10,300	30		3,754	14,778	11,024	120	183	786	24	42	
3,260	1,420	3,260	4,680	24	24	1,396	9,304	10,700	1,363	2,124	11,484	9,360	17		2,107	12,095	9,988	135	103	426	25	43	
3,397	513	3,397	3,910	9	25	504	8,726	9,230	1,367	1,507	10,577	9,070	12		1,495	10,950	9,455	114	73	168	26	44	
2,840	0	2,840	2,840		26	0	7,650	7,650	1,368	0	9,170	9,170	0		0	9,454	9,454	88	0	719	27	45	
2,210	0	2,210	2,210		27	0	7,200	7,200	1,367	0	9,490	9,490	0		0	9,847	9,847	114	43	793	28	46	
	0				28	124	7,324	7,200	1,365	886	9,114	10,000	7		879	9,247	10,126	(3,754)	(1,723)	(28,519)	29	47	
										(13,757)					(108)	(13,649)							

DATA AT AND BETWEEN SNAKE RIVER GAGING STA

24 HOUR SECOND- FEET EXCEPT AS NOTED

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 THOUSANDS OF ACRE-Feet		SNAKE RIVER AT NEELEY			WATER CONTENT ACRE-Feet	
STORAGE VERSIONS	DATE	STORAGE	NORMAL	TOTAL	STORAGE LOSS	STORAGE DIVERSIONS							STORAGE	NORMAL	TOTAL	CALCULATED INFLOW	STORAGE DIVERSIONS					STORAGE	NORMAL	TOTAL		
	MAY 14	3,774	13,126	16,900	226		3,548		MAY 15		3,548	11,152	14,700	2,936	63	MAY 16	1,478	387	10,513	10,900	92,800					
	15	4,718	11,982	16,700	283		4,435		16		4,435	10,165	14,600	2,908	48	17	1,487	158	10,642	10,800	94,450					
	16	6,134	10,366	16,500	368		5,766		17		5,766	7,834	13,600	2,897	46	18	1,492	-231	10,731	10,500	93,870					
	17	3,303	10,197	13,500	198		3,105		18		3,105	4,995	8,100	2,852	48	19	1,490	2,753	7,847	10,600	94,100					
	18	472	8,628	9,100	28		444		19		444	5,656	6,100	2,811	25	20	1,485	2,533	8,467	11,000	93,700					
	19	0	7,940	7,940	0		0		20		0	5,110	5,110	2,748	65	21	1,470	3,542	7,858	11,400	94,400					
	20	0	7,210	7,210	0		0		21	194	0	3,910	3,910	2,713	75	22	1,462	4,977	8,623	11,600	90,330					
	21	0	6,420	6,420	0		0		22	180	0	3,080	3,080	2,717	76	23	1,450	5,803	5,797	11,600	92,330					
	22	477	8,417	5,940	-29		-448		23	186	448	3,898	3,230	2,795	75	24	1,439	5,107	6,493	11,600	93,280					
	23	2,880	8,960	6,100	-171		-2,689		24	178	2,689	5,859	3,170	2,787	99	25	1,426	3,154	6,646	11,800	93,090					
	24	2,378	8,388	6,010	-142		-2,236		25	173	2,236	4,936	2,700	2,747	136	26	1,414	4,317	7,683	12,000	92,160					
	25	1,198	7,598	6,400	-72		-1,126		26	164	1,126	4,676	3,550	2,700	144	27	1,401	4,624	7,376	12,000	93,790					
	26	644	6,598	7,240	39		605		27	114	605	2,445	3,050	2,660	144	28	1,389	6,495	5,105	11,600	94,720					
	27	2,309	8,619	6,310	-138		-2,171		28	55	2,171	3,961	1,790	2,641	144	29	1,372	4,596	6,602	11,200	94,720					
	28	3,504	8,864	5,360	-210		-3,294		29	83	3,294	4,734	1,440	2,642	147	30	1,355	5,624	7,376	11,000	91,000					
	29	3,276	8,576	5,300	-158		-3,078		30	128	3,078	4,708	1,630	2,628	158	31										

TATIONS

1966

LAKE COTT TENTS -FEET	MINIDOKA CANALS					SNAKE RIVER NEAR MINIDOKA			DATE	MILNER LAKE GAGE FEET	MINIDOKA NORTH SIDE PUMP STORED	MINOR DIVERSIONS WEELEY TO MILNER STORED	GOODING PROJECT			NORTH SIDE CANAL COMPANY					TWIN CANAL		
	NORTH	SOUTH	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL					STORED	NORMAL	TOTAL	P.A.	GOODING	MAIN	TOTAL	STORED	NORMAL	STORED	NORMAL
1,180	1,340	1,030	2,370	0	2,370	847	8,143	8,990	MAY 17	11.18	160		600	850	1,450	68	930	2,580	3,578	0	3,578	0	3
1,950	1,480	1,040	2,520	0	2,520	608	8,122	8,730	18	11.18	164		600	850	1,450	67	930	2,540	3,527	0	3,527	0	3
1,670	1,630	1,060	2,690	0	2,690	449	8,041	8,490	19	11.00	164		616	812	1,430	64	920	2,510	3,494	0	3,494	0	3
1,250	1,890	1,130	2,820	973	1,847	2,320	6,000	8,320	20	10.85	171		1,420	0	1,420	62	900	2,520	3,482	482	3,000	830	3
1,900	1,730	1,200	2,930	463	2,467	2,380	6,000	8,380	21	10.74	171		1,420	0	1,420	66	890	2,590	3,546	546	3,000	650	3
1,140	1,780	1,280	3,040	1,182	1,858	2,580	6,000	8,580	22	9.94	171		1,380	0	1,380	67	850	2,530	3,447	447	3,000	630	3
1,530	1,730	1,280	3,010	1,284	1,726	3,863	4,897	8,760	23	10.49	174		1,440	0	1,440	67	890	2,680	3,637	1,740	1,897	590	3
1,550	1,650	1,250	2,900	1,174	1,726	4,919	4,071	8,990	24	10.74	188		1,460	0	1,460	66	910	2,680	3,658	2,585	1,071	640	3
1,200	1,540	1,220	2,760	1,034	1,726	4,283	4,767	9,050	25	10.91	194		1,480	0	1,480	66	920	2,680	3,666	1,899	1,767	820	3
1,090	1,500	1,230	2,730	84	2,646	3,140	6,000	9,140	26	11.14	197		1,490	0	1,490	66	930	2,680	3,678	878	3,000	590	3
1,790	1,590	1,270	2,860	1,134	1,726	3,183	5,957	9,140	27	11.22	209		1,490	0	1,490	66	930	2,680	3,678	719	2,957	820	3
1,790	1,660	1,340	3,000	1,274	1,726	3,310	5,650	8,960	28	11.20	210		1,480	0	1,480	66	920	2,680	3,666	1,016	2,650	800	3
1,720	1,660	1,370	3,030	1,325	1,705	5,330	3,400	8,730	29	11.04	211		1,490	0	1,490	66	920	2,680	3,666	3,266	400	800	3
1,720	1,660	1,380	3,040	1,314	1,726	3,672	4,878	8,550	30	10.72	212		1,470	0	1,470	66	910	2,690	3,666	1,788	1,878	580	3
1,020	1,600	1,370	2,970	1,244	1,726	2,670	5,650	8,320	31	10.50	213		1,470	0	1,470	65	900	2,690	3,655	1,005	2,650	140	3
2,970	1,560	1,380	2,940	1,214	1,726	2,800	5,610	8,410	JUNE 1														

MILNER LAKE GAGE FEET	MINIDOKA NORTH SIDE PUMP STORED	MINOR DIVERSIONS NEELEY TO MILNER STORED	GOODINS 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
11.18	160		600	850	1,450	68	930	2,580	3,578	0	3,578	0	3,580	3,580	83	135	218	45	0	45
11.16	164		600	850	1,450	67	930	2,540	3,537	0	3,537	0	3,600	3,600	90	135	225	47	0	47
11.00	164		616	812	1,430	64	920	2,510	3,494	0	3,494	20	3,600	3,620	91	135	226	36	0	36
10.85	171		1,420	0	1,420	62	900	2,520	3,482	482	3,000	630	3,000	3,630	234	0	234	32	0	32
10.74	171		1,420	0	1,420	66	890	2,590	3,546	546	3,000	650	3,000	3,650	234	0	234	32	0	32
9.94	171		1,380	0	1,380	67	850	2,530	3,447	447	3,000	630	3,000	3,630	235	0	235	29	0	29
10.49	174		1,440	0	1,440	67	890	2,680	3,637	1,740	1,897	690	3,000	3,690	235	0	235	30	0	30
10.74	188		1,480	0	1,480	68	910	2,680	3,656	2,585	1,071	640	3,000	3,640	236	0	236	31	0	31
10.91	194		1,480	0	1,480	66	920	2,680	3,666	1,899	1,767	620	3,000	3,620	242	0	242	33	0	33
11.14	197		1,490	0	1,490	66	930	2,680	3,676	676	3,000	590	3,000	3,590	248	0	248	43	0	43
11.22	209		1,490	0	1,490	66	930	2,680	3,676	719	2,957	620	3,000	3,620	248	0	248	49	0	49
11.20	210		1,480	0	1,480	66	920	2,680	3,666	1,016	2,650	600	3,000	3,600	243	0	243	45	0	45
11.04	211		1,490	0	1,490	66	920	2,680	3,666	3,266	400	600	3,000	3,600	240	0	240	37	0	37
10.72	212		1,470	0	1,470	66	910	2,690	3,666	1,788	1,878	580	3,000	3,580	238	0	238	33	0	33
10.50	213		1,470	0	1,470	65	900	2,690	3,655	1,005	2,650	140	3,000	3,140	243	0	243	31	0	31
10.60	218		1,500	0	1,500	66	920	2,740	3,726	1,076	2,650	0	2,960	2,960	260	0	260	31	0	31
10.64	218		1,530	0	1,530	66	910	2,760	3,736	1,038	2,698	110	3,000	3,110	261	0	261	31	0	31
10.66	213		1,530	0	1,530	66	920	2,740	3,726	1,068	2,658	230	3,000	3,230	254	0	254	32	0	32
10.82	195		1,540	0	1,540	66	930	2,740	3,736	736	3,000	180	3,000	3,180	249	0	249	34	0	34
11.19	195		1,540	0	1,540	66	930	2,740	3,736	554	3,181	0	3,140	3,140	243	0	243	44	0	44
11.38	205		1,520	0	1,520	66	920	2,740	3,726	1,006	2,720	80	3,000	3,080	239	0	239	71	0	71
11.31	205		1,490	0	1,490	66	900	2,740	3,706	1,525	2,181	30	3,000	3,030	237	0	237	61	0	61
11.23	199		1,470	0	1,470	66	890	2,670	3,626	1,525	2,101	30	3,000	3,030	231	0	231	48	0	48
11.28	204		1,480	0	1,480	66	900	2,560	3,526	2,377	1,149	0	2,990	2,990	224	0	224	54	0	54
11.26	198		1,470	0	1,470	66	900	2,490	3,456	2,923	533	0	2,970	2,970	212	0	212	49	0	49
11.18	192		1,460	0	1,460	65	900	2,410	3,375	2,555	820	0	2,980	2,980	197	0	197	44	0	44
11.12	192		1,460	0	1,460	66	910	2,410	3,386	2,700	688	0	2,980	2,980	184	0	184	41	0	41
11.23	182		1,480	0	1,480	66	910	2,360	3,336	1,316	2,020	0	2,950	2,950	176	0	176	51	0	51
11.23	182		1,450	0	1,450	66	880	2,310	3,256	992	2,264	0	2,930	2,930	159	0	159	50	0	50
11.18	182		1,450	0	1,450	66	860	2,310	3,236	586	2,650	0	2,980	2,980	159	0	159	44	0	44
11.05	181		1,450	0	1,450	66	870	2,320	3,256	608	2,650	110	3,000	3,110	176	0	176	39	0	39
10.66	173		1,440	0	1,440	66	860	2,360	3,286	2,886	400	230	3,000	3,230	181	0	181	34	0	34
10.72	170		1,450	0	1,450	66	860	2,430	3,356	2,956	400	310	3,000	3,310	176	0	176	22	0	22
10.68	170		1,460	0	1,460	66	870	2,520	3,456	3,058	400	310	3,000	3,310	176	0	176	15	0	15
10.68	182		1,470	0	1,470	66	870	2,560	3,496	3,096	400	320	3,000	3,320	182	0	182	16	0	16
10.63	194		1,480	0	1,480	66	880	2,580	3,526	2,285	1,241	330	3,000	3,330	198	0	198	16	0	16
10.79	206		1,470	0	1,470	66	880	2,580	3,526	957	2,569	330	3,000	3,330	198	0	198	16	0	16
10.92	206		1,470	0	1,470	66	890	2,580	3,536	1,655	1,881	340	3,000	3,340	198	0	198	17	0	17
10.73	206		1,460	0	1,460	66	880	2,550	3,496	768	2,728	330	3,000	3,330	198	0	198	17	0	17
10.94	201		1,460	0	1,460	66	880	2,620	3,566	566	3,000	330	3,000	3,330	207	0	207	19	0	19
10.96	201		1,460	0	1,460	66	890	2,700	3,656	656	3,000	140	3,190	3,330	216	0	216	22	0	22
10.9	207		1,470	0	1,470	73	890	2,760	3,723	723	3,000	190	3,180	3,370	222	0	222	23	0	23
10.97	231		1,460	0	1,460	72	890	2,620	3,782	1,783	2,019	480	3,000	3,480	236	0	236	22	0	22
10.91	236		1,460	0	1,460	71	880	2,680	3,831	2,969	882	540	3,000	3,540	254	0	254	19	0	19
10.9	240		1,480	0	1,480	75	890	2,900	3,865	3,465	400	580	3,000	3,580	259	0	259	16	0	16
10.93	248		1,490	0	1,490	74	920	2,920	3,914	3,514	400	580	3,000	3,580	254	0	254	9	0	9
19.281			1,490	0	1,490	74	920	2,920	3,914	3,586	328	1,150	2,460	3,610	254	0	254	8	0	8
									(73,653)			(14,290)			(10,010)			(1,566)		

DAILY SEGREGATION OF DATA

JACKSON LAKE CONTENTS ACRE-FOOT		SNAKE RIVER AT MORAN			STORING MORAN TO ALPINE	DATE	SNAKE RIVER NEAR ALPINE			PALISADES RESERVOIR CONTENTS THOUSANDS OF ACRE-FOOT	SNAKE RIVER NEAR IRWIN			IRWIN TO HEISE		HEISE & HILEY			STORING IN FLOW HENRYS FORK	HEISE TO SHELLEY		DATE
		STORING	NORMAL	TOTAL			STORING	NORMAL	TOTAL		STORING	NORMAL	TOTAL	STORING LOSS	STORING OVERSHOOT	STORING	NORMAL	TOTAL		STORING LOSS	STORING OVERSHOOT	
847,480	0	2,240	2,240	0	JUNE 29	0	7,250	7,250	1,362	1,510	9,290	10,800	12		1,498	9,238	11,031	225	73	1,250	JUNE	
847,480	0	2,430	2,430	0	30	0	7,120	7,120	1,357	2,520	8,880	11,400	20		2,500	9,134	11,634	431	122	1,321	JULY	
847,480	380	2,050	2,430	6	JULY 1	374	6,818	6,990	1,350	3,404	8,298	11,700	27		3,377	8,558	11,935	98	185	1,444		
846,720	770	1,710	2,480	13	2	757	6,183	6,940	1,344	3,787	8,113	11,900	30		3,757	8,569	12,328	350	183	928		
845,440	770	1,980	2,750	13	3	757	6,363	7,120	1,338	4,027	7,873	11,900	32		3,995	8,230	12,225	551	135	729		
844,420	770	1,980	2,750	13	4	757	6,203	6,960	1,332	4,027	7,773	11,800	32		3,995	8,224	12,219	501	195	709		
842,640	770	1,950	2,720	13	5	757	5,893	6,650	1,325	3,787	8,013	11,800	30		3,757	8,464	12,221	442	183	1,024		
840,610	1,290	1,430	2,720	22	6	1,268	5,132	6,400	1,318	5,308	6,492	11,800	43		5,285	8,954	12,219	459	258	1,745		
838,080	1,150	1,560	2,710	20	7	1,130	5,090	6,220	1,310	5,170	6,630	11,800	41		5,129	7,090	12,219	413	250	2,345		
835,770	1,280	1,420	2,700	22	8	1,258	4,692	5,950	1,302	5,298	6,602	11,900	42		5,258	8,964	12,220	172	257	2,922		
833,230	1,290	1,400	2,690	22	9	1,268	4,532	5,800	1,292	6,318	5,882	12,200	51		6,287	8,154	12,421	- 347	308	3,016		
830,680	1,350	1,330	2,680	23	10	1,327	4,383	5,710	1,281	6,332	6,188	12,500	51		6,281	8,447	12,728	- 177	308	3,057		
827,630	1,350	1,400	2,750	23	11	1,327	4,523	5,850	1,272	6,485	6,115	12,600	52		6,433	8,368	12,821	- 208	314	3,228		
825,340	1,460	1,310	2,770	25	12	1,435	4,445	5,880	1,262	6,485	6,115	12,600	52		6,433	8,489	12,922	- 211	314	3,286		
822,540	1,400	1,360	2,760	24	13	1,378	4,454	5,830	1,251	6,926	5,774	12,700	55		6,871	6,158	13,029	- 223	335	3,444		
819,760	1,400	1,360	2,760	24	14	1,378	4,284	5,660	1,239	7,436	5,364	12,800	59		7,377	5,658	13,035	- 79	380	3,518		
816,980	1,680	1,040	2,720	29	15	1,851	3,839	5,490	1,228	7,201	5,899	12,900	58	0	7,143	5,892	13,035	38	348	3,703		
813,440	1,610	1,070	2,680	27	16	1,583	3,797	5,380	1,215	7,643	5,457	13,100	61	2	7,580	5,858	13,236	- 4	370	3,528		
809,650	1,610	1,070	2,680	27	17	1,583	3,777	5,360	1,203	7,643	5,457	13,100	61	4	7,578	5,759	13,337	- 7	370	3,228		
806,620	1,610	1,080	2,690	27	18	1,583	3,707	5,290	1,190	8,133	4,967	13,100	65	8	8,062	5,274	13,336	19	394	3,371		
803,840	1,720	970	2,690	29	19	1,891	3,529	5,220	1,177	8,111	4,989	13,100	65	8	8,038	5,298	13,338	- 323	392	3,521		
800,050	1,720	960	2,680	29	20	1,891	3,469	5,160	1,164	8,481	4,619	13,100	68	10	8,403	4,933	13,338	- 428	410	3,872		
797,020	1,710	950	2,660	29	21	1,881	3,389	5,070	1,151	8,481	4,619	13,100	68	10	8,403	5,034	13,437	- 475	410	3,753		
793,280	1,710	940	2,650	29	22	1,881	3,279	4,960	1,137	8,561	4,539	13,100	69	10	8,482	4,954	13,438	- 433	414	3,638		
790,240	1,720	910	2,630	29	23	1,891	3,179	4,870	1,123	8,571	4,329	12,900	69	10	8,492	4,844	13,336	- 591	415	2,928		
786,480	1,730	800	2,630	29	24	1,701	3,149	4,850	1,109	8,581	4,319	12,900	69	10	8,502	4,735	13,237	- 327	415	2,783		
782,720	1,730	880	2,610	29	25	1,701	3,129	4,830	1,097	8,501	4,299	12,800	68	10	8,423	4,814	13,237	- 409	412	2,923		
779,960	1,754	886	2,640	30	26	1,724	3,068	4,790	1,083	8,599	4,201	12,800	69	10	8,520	4,717	13,237	- 350	418	3,581		
776,450	1,830	770	2,600	31	27	1,799	2,881	4,680	1,069	8,659	3,941	12,800	71	10	8,778	4,449	13,227	- 330	428	3,759		
772,690	1,830	720	2,550	31	28	1,799	2,821	4,620	1,055	8,659	3,941	12,800	71	10	8,778	4,449	13,227	- 349	428	4,190		
768,940	1,880	720	2,600	32	29	1,848	2,772	4,620	1,041	8,748	4,052	12,800	70	10	8,688	4,554	13,222	- 559	423	4,582		
765,210	1,850	770	2,620	31	30	1,819	2,821	4,640	1,027	8,718	4,082	12,800	70	10	8,638	4,683	13,321	- 437	423	4,121		
761,470	1,820	780	2,600	31	31	1,789	2,911	4,700	1,014	8,368	4,234	12,600	67	10	8,289	5,033	13,322	- 505	404	3,748		
757,240	1,730	840	2,570	29	AUG 1	1,701	3,129	4,830	1,001	8,001	4,499	12,500	64	10	7,927	5,194	13,121	- 659	387	2,525		
754,500	1,820	740	2,560	31	2	1,789	2,911	4,700	988	8,089	4,211	12,300	65	10	8,014	5,007	13,021	- 553	391	2,470		
751,020	1,820	740	2,560	31	3	1,789	2,931	4,720	976	7,889	4,111	12,000	63	10	7,818	4,905	12,721	- 543	382	2,240		
747,280	1,750	860	2,610	30	4	1,720	3,110	4,830	965	7,720	4,080	11,800	62	10	7,848	4,672	12,520	- 492	373	2,231		
744,310	1,750	880	2,630	30	5	1,720	3,150	4,870	953	7,270	4,330	11,600	58	10	7,202	5,119	12,321	- 322	352	2,187		
740,820	1,950	680	2,630	33	6	1,917	2,893	4,810	943	7,467	3,833	11,300	60	10	7,397	4,623	12,020	- 347	362	1,743		
736,640	1,950	670	2,620	33	7	1,917	2,763	4,680	932	7,467	3,733	11,200	60	10	7,397	4,421	11,818	- 405	362	1,588		
732,890	1,950	670	2,620	33	8	1,917	2,743	4,660	921	7,400	3,700	11,100	59	10	7,331	4,387	11,718	- 388	358	1,744		
728,730	1,990	620	2,610	34	9	1,958	2,624	4,580	911	7,300	3,700	11,000	58	10	7,232	4,285	11,517	- 438	353	1,911		
724,700	1,990	580	2,570	34	10	1,958	2,534	4,490	900	7,506	3,594	11,100	60	10								

DATA AT AND BETWEEN SNAKE RIVER GAGING STATION

SHAKE RIVER NEAR SHELLEY				SHELLEY TO BLACKFOOT		THEORETICAL BALANCE OF STORAGE AT BLACKFOOT	24 HOUR SECOND-FEET EXCEPT AS NOTED										AMERICAN FALLS RESERVOIR CONTENTS THOUSANDS OF ACRE- FEET		SHAKE RIVER AT NEELEY			LAKE WALCOTT CONTENTS ACRE- FEET
DATE	STORED	NORMAL	TOTAL	STORED LOSS	STORED DIVERSIONS		DATE	BLACKFOOT RIVER	SHAKE RIVER NEAR BLACKFOOT			BLACKFOOT TO NEELEY		DATE	RESERVOIR CONTENTS THOUSANDS OF ACRE- FEET	STORED	NORMAL	TOTAL				
								STORED	NORMAL	TOTAL	CALCULATED INFLOW	STORED DIVERSIONS										
JUNE 30	400	3,230	3,630	17	113	270	JULY 1	36	20	226	246	2,577	259	JULY 2	929	9,397	2,803	12,400	91,810			
JULY 1	1,488	2,712	4,200	78	189	1,221	2	124	1,048	214	1,260	2,607	246	3	916	9,879	2,821	12,700	91,690			
2	1,886	3,154	5,020	97	250	1,519	3	178	1,819	991	2,810	2,620	207	4	901	9,189	3,811	12,800	91,920			
3	2,998	3,382	6,380	169	194	2,635	4	223	2,936	904	3,840	2,690	222	5	888	9,208	3,594	12,800	93,090			
4	3,622	3,058	6,680	211	111	3,300	5	228	3,300	360	3,660	2,573	250	6	872	9,867	2,933	12,800	94,020			
5	3,592	2,528	6,120	205	173	3,214	6	136	2,274	326	2,600	2,578	260	7	855	9,896	2,904	12,800	94,720			
6	2,992	2,158	5,150	164	262	2,566	7	50	1,380	240	1,620	2,570	265	8	835	9,990	2,810	12,800	95,070			
7	3,721	729	4,450	207	268	3,246	8	48	772	238	1,010	2,555	268	9	814	10,007	2,793	12,800	95,430			
8	2,947	1,203	4,150	160	285	2,502	9	38	268	228	494	2,543	268	10	794	9,829	2,771	12,800	95,180			
9	2,249	1,661	3,910	43	1,530	676	10	45	60	235	295	2,538	268	11	775	9,827	2,773	12,800	95,790			
10	2,598	1,492	4,090	41	1,911	846	11	33	143	223	366	2,536	263	12	753	10,041	2,759	12,800	95,910			
11	2,741	1,779	4,520	43	2,019	679	12	15	434	205	639	2,536	263	13	735	10,259	2,741	13,000	96,130			
12	2,684	1,806	4,490	32	2,144	508	13	3	385	193	578	2,534	258	14	714	10,173	2,727	12,900	96,670			
13	2,646	1,952	4,600	30	2,145	473	14	14	542	204	746	2,538	260	15	691	10,058	2,742	12,800	96,870			
14	2,869	1,861	4,530	45	2,118	706	15	3	488	193	681	2,536	256	16	673	10,071	2,729	12,800	96,390			
15	3,420	1,070	4,490	78	2,130	1,212	16	3	425	193	618	2,535	244	17	652	10,272	2,728	13,000	95,910			
16	3,128	1,462	4,610	60	2,135	933	17	10	642	200	842	2,538	244	18	634	10,262	2,738	13,000	96,150			
17	3,678	1,222	4,900	92	2,143	1,443	18	9	1,081	199	1,280	2,533	255	19	615	10,268	2,732	13,000	95,670			
18	3,975	1,065	5,040	111	2,126	1,738	19	3	1,007	193	1,200	2,533	255	20	592	10,274	2,726	13,000	94,840			
19	4,316	544	4,860	110	2,478	1,728	20	2	730	192	922	2,532	251	21	573	10,276	2,724	13,000	94,720			
20	3,802	858	4,660	78	2,507	1,217	21	2	634	192	826	2,528	242	22	553	10,280	2,720	13,000	95,070			
21	3,893	867	4,760	104	2,165	1,624	22	2	828	192	1,020	2,525	237	23	536	10,083	2,717	12,800	96,390			
22	3,765	1,015	4,780	90	2,265	1,410	23	2	1,218	192	1,410	2,522	220	24	517	9,886	2,714	12,800	96,150			
23	3,999	1,161	5,160	107	2,209	1,683	24	14	1,826	204	2,030	2,522	222	25	500	9,674	2,726	12,400	95,870			
24	4,558	1,392	5,950	143	2,179	2,236	25	14	2,436	204	2,640	2,521	241	26	485	9,575	2,725	12,300	96,130			
25	4,977	1,333	6,310	174	2,078	2,725	26	10	2,340	200	2,540	2,519	219	27	469	9,681	2,719	12,400	96,150			
26	4,677	1,353	6,030	153	2,131	2,393	27	4	1,846	194	2,040	2,511	215	28	452	9,695	2,705	12,400	95,910			
27	4,173	957	5,130	122	2,141	1,910	28	3	1,427	193	1,620	2,513	215	29	436	9,494	2,706	12,200	95,550			
28	4,261	589	4,850	129	2,107	2,025	29	3	1,297	193	1,490	2,517	222	30	418	9,290	2,710	12,000	95,180			
29	3,811	959	4,770	98	2,186	1,527	30	8	1,382	198	1,580	2,528	201	31	404	9,274	2,726	12,000	95,430			
30	3,304	1,746	5,050	68	2,176	1,058	31	57	2,153	247	2,400	2,541	200	AUG 1	392	9,112	2,788	11,900	96,150			
														2	381	8,718	2,882	11,600	96,670			
1	3,658	2,392	6,050	92	2,128	1,438	AUG 1	142	3,218	332	3,550	2,550	201	3	373	8,582	2,938	11,500	96,670			
2	3,632	3,218	6,850	97	2,016	1,519	2	167	3,783	357	4,140	2,581	216	4	363	8,528	2,872	11,400	95,910			
3	4,352	3,018	7,370	141	2,005	2,206	3	97	4,153	287	4,440	2,585	226	5	352	8,457	2,843	11,300	96,150			
4	4,600	2,850	7,250	167	1,825	2,608	4	54	4,098	244	4,340	2,599	212	6	343	8,329	2,871	11,200	94,720			
5	4,651	2,439	7,090	176	1,721	2,754	5	64	4,188	254	4,440	2,617	198	7	334	8,325	2,875	11,200	94,020			
6	4,552	2,358	7,110	172	1,686	2,694	6	61	4,229	251	4,480	2,624	190	8	325	8,261	2,939	11,200	93,550			
7	4,341	2,619	6,960	163	1,620	2,558	7	99	3,931	289	4,220	2,650	195	9	314	8,473	2,927	11,400	91,890			
8	4,945	1,895	6,640	200	1,623	3,122	8	81	3,739	271	4,010	2,656	187	10	301	8,571	2,929	11,500	91,110			
9	5,050	1,420	6,470	205	1,645	3,200	9	69	3,201	259	3,460	2,670	189	11	287	8,903	2,897	11,800	89,360			
10	4,844	846	5,690	194	1,617	3,033	10	44	2,656	234	2,890	2,663	189	12	276	9,018	2,882	11,900	88,200			
11	4,323	637	5,100	177	1,569	2,777	11	33	2,407	223	2,630	2,659	189	13	262	9,021	2,879	11,900	87,950			
12	4,639	481	5,120	180	1,626	2,833	12	28	2,362	218	2,580	2,661	179	14	249	9,085	2,915	12,000	87,030			
13	4,882	588	5,270	182	1,638	2,862	13	60	2,850	250	3,100	2,665	183	15	238	9,298	2,912	12,200	87,270			
14	4,348	1,592	5,940	166	1,584	2,598	14	55	3,285	245	3,530	2,667	176	16	224	9,297	2,903	12,200	87,730			
15	4,580	1,710	6,390	189	1,533	2,958	15	47	3,463	237	3,700	2,666	184	17	211	9,305	2,895	12,200	88,200			
16	5,184	916	6,100	211	1,576	3,397	16	37	2,993	227	3,220	2,668	184			(445,456)						
				(5,971)	(76,282)	(93,580)			(91,690)			(121,130)	(10,592)									

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MINIDOKA CANALS				SNAKE RIVER NEAR MINIDOKA			DATE	MILNER LAKE GAGE FEET	MINIDOKA NORTH SIDE PUMP STORED	MINOR DIVERSIONS WEELEY TO MILNER STORED	GOODING PROJECT			NORTH SIDE CANAL COMPANY						TWIN FALLS CANAL COMPANY			MILNER
SOUTH	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL					STORED	NORMAL	TOTAL	P.A.	GOODING	MAIN	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL	
1,370	3,230	3,230	0	6,617	2,803	9,420	JULY 3	10.84	232	4	1,500	0	1,500	74	950	2,980	4,004	3,874	330	1,117	2,473	3,590	254
1,370	3,240	3,240	0	6,719	2,821	9,540	4	11.01	232	4	1,500	0	1,500	74	950	2,970	3,994	3,862	332	1,091	2,489	3,580	249
1,380	3,250	3,039	211	6,020	3,400	9,420	5	11.08	229	4	1,500	0	1,500	74	950	2,940	3,984	3,864	400	550	3,000	3,550	248
1,380	3,250	3,056	194	5,860	3,400	9,260	6	11.08	237	4	1,500	0	1,500	74	950	2,940	3,984	3,864	400	550	3,000	3,550	248
1,400	3,270	3,270	0	6,297	2,933	9,230	7	10.97	246	4	1,500	0	1,500	76	940	2,970	3,988	3,841	345	1,032	2,588	3,620	264
1,420	3,290	3,290	0	6,546	2,904	9,450	8	10.96	246	4	1,510	0	1,510	74	980	2,980	4,014	3,872	342	1,108	2,562	3,670	272
1,420	3,300	3,300	0	6,640	2,810	9,450	9	10.96	246	4	1,530	0	1,530	74	960	2,960	3,994	3,864	330	1,200	2,480	3,680	279
1,430	3,310	3,310	0	6,857	2,793	9,450	10	11.06	246	4	1,540	0	1,540	66	960	2,980	4,006	3,878	328	1,205	2,485	3,670	280
1,410	3,280	3,280	0	6,519	2,771	9,290	11	11.10	246	4	1,540	0	1,540	66	950	2,960	3,976	3,850	326	1,223	2,467	3,670	281
1,390	3,200	3,200	0	6,457	2,773	9,230	12	11.04	246	4	1,540	0	1,540	78	940	2,950	3,988	3,844	324	1,245	2,455	3,680	281
1,390	3,170	3,170	0	6,631	2,759	9,390	13	11.10	246	4	1,550	0	1,550	75	940	2,940	3,955	3,833	322	1,251	2,449	3,670	282
1,380	3,170	3,170	0	6,829	2,741	9,570	14	11.02	246	4	1,550	0	1,550	75	940	2,940	3,955	3,834	321	1,284	2,406	3,690	292
1,390	3,200	3,200	0	6,633	2,727	9,360	15	10.95	241	4	1,550	0	1,550	77	940	2,920	3,937	3,816	321	1,372	2,406	3,780	292
1,380	3,210	3,210	0	6,738	2,742	9,480	16	10.92	241	4	1,560	0	1,560	77	950	2,940	3,967	3,846	321	1,353	2,407	3,760	292
1,370	3,200	3,200	0	6,811	2,729	9,540	17	10.92	241	4	1,550	0	1,550	77	950	2,930	3,957	3,835	322	1,324	2,418	3,740	291
1,380	3,180	3,180	0	6,912	2,728	9,640	18	11.04	241	4	1,540	0	1,540	77	950	2,930	3,957	3,836	321	1,339	2,411	3,750	285
1,370	3,190	3,190	0	6,932	2,738	9,670	19	11.12	241	4	1,550	0	1,550	77	970	2,940	3,987	3,867	320	1,325	2,404	3,730	286
1,390	3,200	3,200	0	6,938	2,732	9,670	20	11.06	238	4	1,550	0	1,550	76	970	2,940	3,988	3,868	320	1,270	2,400	3,670	287
1,430	3,240	3,240	0	7,074	2,726	9,800	21	11.12	232	4	1,540	0	1,540	77	960	2,940	3,977	3,856	320	1,325	2,404	3,730	286
1,410	3,220	3,220	0	7,046	2,724	9,770	22	11.22	232	4	1,550	0	1,550	76	960	2,930	3,986	3,847	319	1,272	2,398	3,670	267
1,390	3,160	3,160	0	6,920	2,720	9,640	23	11.24	232	4	1,540	0	1,540	74	940	2,920	3,934	3,815	319	1,295	2,395	3,690	263
1,390	3,080	3,080	0	6,573	2,717	9,290	24	11.08	232	4	1,530	0	1,530	74	940	2,920	3,934	3,813	321	1,285	2,405	3,690	257
1,350	2,940	2,940	0	6,486	2,714	9,200	25	10.87	237	4	1,530	0	1,530	74	940	2,900	3,914	3,593	321	1,268	2,404	3,670	254
1,300	2,780	2,780	0	6,634	2,726	9,360	26	10.85	232	4	1,550	0	1,550	71	950	2,880	3,901	3,581	320	1,251	2,399	3,650	254
1,310	2,840	2,840	0	6,595	2,725	9,320	27	10.85	221	4	1,550	0	1,550	71	950	2,840	3,861	3,543	318	1,253	2,387	3,640	250
1,290	2,800	2,800	0	6,621	2,719	9,540	28	10.92	221	4	1,550	0	1,550	71	950	2,840	3,861	3,543	318	1,252	2,388	3,640	236
1,280	2,740	2,740	0	6,835	2,705	9,540	29	10.96	211	4	1,520	0	1,520	71	960	2,840	3,871	3,552	319	1,269	2,391	3,660	226
1,260	2,720	2,720	0	6,774	2,706	9,480	30	11.02	207	4	1,530	0	1,530	71	960	2,840	3,871	3,550	321	1,215	2,405	3,620	225
1,220	2,680	2,680	0	6,990	2,710	9,700	31	11.06	207	4	1,540	0	1,540	71	960	2,780	3,811	3,483	328	1,140	2,460	3,600	217
1,180	2,590	2,590	0	6,594	2,726	9,320	AUG 1	11.15	207	4	1,540	0	1,540	71	950	2,780	3,801	3,461	340	1,078	2,442	3,620	204
1,080	2,430	2,430	0	6,412	2,788	9,200	2	11.18	182	4	1,540	0	1,540	71	950	2,770	3,781	3,445	346	1,008	2,392	3,600	204
1,010	2,370	2,370	0	6,258	2,882	9,140	3	11.13	182	4	1,530	0	1,530	71	950	2,760	3,769	3,432	337	1,075	2,355	3,610	196
1,030	2,290	2,290	0	6,022	2,938	8,960	4	11.03	177	4	1,490	0	1,490	69	940	2,760	3,779	3,445	334	1,111	2,375	3,620	194
1,000	2,240	2,240	0	6,088	2,872	8,960	5	10.95	174	4	1,490	0	1,490	69	950	2,760	3,779	3,445	337	1,076	2,354	3,610	192
967	2,237	2,237	0	6,297	2,843	9,140	6	10.96	152	4	1,490	0	1,490	69	960	2,770	3,799	3,462	338	1,073	2,357	3,610	191
925	2,235	2,235	0	6,449	2,871	9,320	7	11.04	152	4	1,450	0	1,450	66	940	2,770	3,776	3,430	346	1,017	2,393	3,610	204
931	2,271	2,271	0	6,385	2,875	9,260	8	11.09	175	4	1,440	0	1,440	66	950	2,780	3,796	3,451	345	1,068	2,382	3,650	220
1,040	2,410	2,410	0	6,051	2,939	8,990	9	10.98	180	4	1,440	0	1,440	66	940	2,780	3,786	3,441	345	1,086	2,384	3,670	221
1,120	2,520	2,520	0	6,153	2,927	9,080	10	10.90	180	4	1,440	0	1,440	65	950	2,800	3,815	3,474	341	1,134	2,358	3,690	221
1,190	2,620	2,620	0	6,211	2,929	9,140	11	10.82	180	4	1,440	0	1,440	64	960	2,800	3,824	3,484	340	1,108	2,342	3,650	22
1,260	2,770	2,770	0	6,383	2,897	9,260	12	10.89	176	4	1,440	0	1,440	64	940	2,800	3,804	3,464	340	1,081	2,339	3,620	22
1,330	2,760	2,760	0	6,438	2,882	9,320	13	11.00	176	4	1,300	0	1,300	63	940	2,800	3,803	3,461	342	1,037	2,373	3,610	20
1,270	2,720	2,720	0	6,321	2,879	9,200	14	11.03	176	4	1,240	0	1,240	64	930	2,780	3,774	3,432	342	990	2,370	3,560	22
1,390	2,710	2,710	0	6,265	2,915	9,200	15	11.13	179	4	1,240	0	1,240	59	930	2,760	3,749	3,408	341	988	2,362	3,550	22
1,270	2,790	2,790	0	6,078	2,912	8,990	16	11.26	184	4	1,240	0	1,240	59	920	2,760	3,739	3,399	340	1,035	2,355	3,590	22
1,290	2,810	2,810	0	5,907	2,903	8,810	17	11.20	184	4	(70,190)							(167,338)			(54,203)		(111,5)
1,290	2,810	2,810	0	5,885	2,895	8,780	18	11.19	184	4													

DATE	MILNER LAKE GAGE FEET	MINIDOKA NORTH SIDE PUMP STORED	MINOR DIVERSIONS NEELEY TO MILNER STORED	GOODING PROJECT			NORTH SIDE CANAL COMPANY					TWIN FALLS CANAL COMPANY			MILNER LOW LIFT			SHAKE RIVER AT MILNER			
				STORED	NORMAL	TOTAL	P.A.	GOODING	MAIN	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL
0 JULY 3	10.84	232	4	1,500	0	1,500	74	950	2,980	4,004	3,674	330	1,117	2,473	3,590	254	0	254	6	0	6
1	11.01	232	4	1,500	0	1,500	74	950	2,970	3,994	3,662	332	1,091	2,489	3,580	249	0	249	7	0	7
2	11.08	229	4	1,500	0	1,500	74	950	2,940	3,984	3,584	400	550	3,000	3,550	248	0	248	7	0	7
3	11.08	237	4	1,500	0	1,500	74	950	2,940	3,984	3,584	400	550	3,000	3,550	249	0	249	6	0	6
4	10.97	246	4	1,500	0	1,500	76	940	2,970	3,986	3,641	345	1,032	2,588	3,620	264	0	264	5	0	5
5	10.96	246	4	1,510	0	1,510	74	960	2,980	4,014	3,672	342	1,108	2,562	3,670	272	0	272	5	0	5
6	10.96	246	4	1,530	0	1,530	74	960	2,960	3,994	3,664	330	1,200	2,480	3,680	279	0	279	5	0	5
7	11.06	246	4	1,540	0	1,540	66	960	2,980	4,008	3,678	328	1,205	2,465	3,670	280	0	280	5	0	5
8	11.04	246	4	1,530	0	1,530	77	940	2,960	3,977	3,650	326	1,225	2,445	3,670	280	0	280	6	0	6
9	11.10	246	4	1,540	0	1,540	78	940	2,950	3,968	3,644	324	1,245	2,435	3,680	281	0	281	6	0	6
10	11.02	246	4	1,550	0	1,550	75	940	2,940	3,955	3,633	322	1,251	2,419	3,670	281	0	281	206	0	206
11	10.95	241	4	1,550	0	1,550	75	940	2,940	3,955	3,634	321	1,284	2,406	3,690	282	0	282	274	0	274
12	10.92	241	4	1,550	0	1,550	77	940	2,940	3,957	3,635	322	1,320	2,420	3,740	292	0	292	269	0	269
13	10.92	241	4	1,550	0	1,550	77	940	2,920	3,937	3,618	321	1,372	2,408	3,780	292	0	292	269	0	269
14	11.04	241	4	1,560	0	1,560	77	950	2,940	3,967	3,648	321	1,353	2,407	3,760	292	0	292	280	0	280
15	11.12	241	4	1,550	0	1,550	77	950	2,930	3,957	3,635	322	1,324	2,416	3,740	291	0	291	280	0	280
16	11.06	238	4	1,540	0	1,540	77	950	2,930	3,957	3,636	321	1,339	2,411	3,750	285	0	285	274	0	274
17	11.12	232	4	1,540	0	1,540	77	960	2,940	3,977	3,656	321	1,355	2,405	3,760	278	0	278	274	0	274
18	11.22	232	4	1,550	0	1,550	77	970	2,940	3,987	3,667	320	1,326	2,404	3,730	268	0	268	274	0	274
19	11.24	232	4	1,550	0	1,550	76	970	2,940	3,986	3,666	320	1,270	2,400	3,670	268	0	268	280	0	280
20	11.08	232	4	1,540	0	1,540	76	960	2,930	3,966	3,647	319	1,272	2,398	3,670	267	0	267	282	0	282
21	10.87	237	4	1,530	0	1,530	74	940	2,920	3,934	3,615	319	1,295	2,395	3,690	267	0	267	274	0	274
22	10.85	232	4	1,530	0	1,530	74	940	2,920	3,934	3,613	321	1,285	2,405	3,690	263	0	263	269	0	269
23	10.85	221	4	1,530	0	1,530	74	940	2,900	3,914	3,593	321	1,266	2,404	3,670	257	0	257	269	0	269
24	10.92	221	4	1,550	0	1,550	71	950	2,880	3,901	3,581	320	1,266	2,404	3,670	254	0	254	277	0	277
25	10.96	211	4	1,550	0	1,550	71	950	2,840	3,861	3,543	320	1,251	2,399	3,650	254	0	254	285	0	285
26	11.02	207	4	1,530	0	1,530	71	950	2,840	3,861	3,543	318	1,253	2,387	3,640	250	0	250	280	0	280
27	11.06	207	4	1,520	0	1,520	71	960	2,840	3,871	3,552	318	1,252	2,388	3,640	238	0	238	277	0	277
28	11.15	207	4	1,530	0	1,530	71	960	2,840	3,871	3,550	319	1,269	2,391	3,660	226	0	226	277	0	277
29	11.18	182	4	1,540	0	1,540	71	960	2,840	3,871	3,550	321	1,215	2,405	3,620	225	0	225	277	0	277
30	11.13	182	4	1,540	0	1,540	71	960	2,780	3,811	3,483	328	1,140	2,460	3,600	225	0	225	280	0	280
31	11.13	182	4	1,540	0	1,540	71	950	2,780	3,801	3,461	340	1,078	2,542	3,620	217	0	217	280	0	280
1	11.03	177	4	1,530	0	1,530	71	950	2,770	3,791	3,445	346	1,008	2,592	3,600	206	0	206	282	0	282
2	10.95	174	4	1,490	0	1,490	69	940	2,760	3,769	3,432	337	1,008	2,592	3,600	204	0	204	280	0	280
3	10.96	152	4	1,490	0	1,490	69	950	2,760	3,779	3,445	337	1,075	2,535	3,610	196	0	196	277	0	277
4	11.04	152	4	1,490	0	1,490	69	960	2,770	3,799	3,462	334	1,111	2,509	3,620	194	0	194	277	0	277
5	11.09	175	4	1,450	0	1,450	69	950	2,760	3,779	3,441	337	1,076	2,534	3,610	192	0	192	277	0	277
6	10.98	180	4	1,440	0	1,440	66	950	2,760	3,779	3,441	338	1,073	2,537	3,610	191	0	191	280	0	280
7	10.98	180	4	1,440	0	1,440	66	940	2,770	3,778	3,430	346	1,017	2,593	3,610	204	0	204	277	0	277
8	10.90	180	4	1,440	0	1,440	66	950	2,780	3,796	3,451	345	1,068	2,582	3,650	220	0	220	274	0	274
9	10.82	180	4	1,440	0	1,440	66	940	2,780	3,786	3,441	345	1,086	2,584	3,670	225	0	225	277	0	277
10	10.89	180	4	1,440	0	1,440	63	950	2,800	3,815	3,474	341	1,134	2,556	3,690	225	0	225	277	0	277
11	11.00	176	4	1,430	0	1,430	64	960	2,800	3,824	3,484	340	1,108	2,542	3,650	225	0	225	282	0	282
12	11.03	176	4	1,440	0	1,440	64	940	2,800	3,804	3,464	340	1,108	2,542	3,650	225	0	225	282	0	282
13	11.13	176	4	1,300	0	1,300	63	940	2,800	3,803	3,461	340	1,081	2,539	3,620	225	0	225	280	0	280
14	11.26	179	4	1,240	0	1,240	64	930	2,780	3,774	3,432	342	1,037	2,573	3,610	208	0	208	277	0	277
15	11.20	184	4	1,240	0	1,240	59	930	2,760	3,749	3,408	342	990	2,570	3,560	225	0	225	285	0	285
16	11.19	184	4	1,240	0	1,240	59	920	2,760	3,739	3,399	341	988	2,562	3,550	225	0	225	290	0	290
17	(10,001)	(188)	(70,150)								(167,338)		(54,203)			(11,615)			(10,262)		

DATA AT AND BETWEEN SNAKE RIVER GAGING S

24 HOUR SECOND-FEET EXCEPT AS NOTED

SHELLEY		SNAKE RIVER NEAR SHELLEY			SHELLEY TO BLACKFOOT		THEORETICAL BALANCE OF STORAGE AT BLACKFOOT	24 HOUR SECOND-FOOT EXCEPT AS NOTED												
STORAGE DIVERSIONS	DATE	STORAGE	NORMAL	TOTAL	STORAGE LOSS	STORAGE DIVERSIONS	DATE	BLACKFOOT RIVER	SNAKE RIVER NEAR BLACKFOOT			BLACKFOOT TO NEELEY		DATE	AMERICAN FALLS RESERVOIR CONTENTS THOUSANDS OF ACRE-FOOT	SNAKE RIVER AT NEELEY			WALL CON ACRE	
									STORAGE	NORMAL	TOTAL	CALCULATED INFLOW	STORAGE DIVERSIONS			STORAGE	NORMAL	TOTAL		
1,985	AUG 16	4,877	983	5,860	195	1,619	3,063	AUG 17	28	2,842	218	3,060	2,649	188	AUG 18	197	9,333	2,887	12,400	
2,073	17	4,841	1,189	5,810	182	1,605	2,854	18	33	2,807	223	3,030	2,643	186	19	181	9,934	2,886	12,800	
1,913	18	4,825	1,023	5,850	190	1,660	2,975	19	26	2,984	216	3,200	2,725	200	20	172	9,859	2,941	12,800	
2,194	19	5,946	764	6,710	257	1,657	4,032	20	47	5,373	237	5,610	2,815	189	21	163	9,548	2,852	12,400	
2,122	20	7,637	1,603	9,240	359	1,647	5,631	21	57	6,613	247	6,860	2,610	186	22	157	9,343	2,857	12,200	
1,598	21	8,166	1,754	9,920	392	1,625	6,149	22	42	7,068	232	7,300	2,612	195	23	152	8,756	2,844	11,800	
1,445	22	8,310	1,860	9,970	407	1,524	6,379	23	29	6,761	219	6,980	2,608	197	24	148	8,273	2,827	11,100	
1,056	23	9,079	841	9,720	452	1,559	7,068	24	21	6,839	211	7,050	2,604	197	25	145	8,185	2,815	11,000	
1,084	24	9,027	743	9,770	446	1,597	6,984	25	23	6,807	213	7,020	2,602	197	26	139	7,995	2,815	10,800	
1,106	25	9,468	254	9,720	470	1,645	7,351	26	27	6,483	217	6,700	2,604	196	27	138	7,979	2,821	10,800	
1,217	26	8,842	708	9,550	431	1,670	6,741	27	31	6,479	221	6,700	2,605	192	28	135	7,874	2,826	10,700	
1,214	27	8,744	876	9,620	425	1,662	6,657	28	30	6,680	220	6,900	2,601	190	29	131	7,879	2,821	10,700	
842	28	9,224	506	9,730	456	1,625	7,143	29	39	6,631	229	6,860	2,610	186	30	128	7,861	2,839	10,700	
822	29	9,302	38	9,340	461	1,603	7,238	30	18	6,284	208	6,470	2,621	181	31	125	7,673	2,827	10,500	
1,399	30	8,875	245	9,120	437	1,602	6,836	31	14	6,236	204	6,440	2,613	177	SEPT 1	124	7,183	2,817	10,000	
1,471	31	8,677	353	9,030	423	1,626	6,628	SEPT 1	17	6,083	207	6,290	2,620	167	2	122	6,473	2,827	9,300	
1,503	1	7,955	785	8,740	380	1,616	5,959	2	25	6,225	215	6,440	2,648	149	3	124	5,947	2,863	8,810	
1,527	2	5,801	3,249	9,050	259	1,494	4,048	3	106	6,654	296	6,950	2,632	136	4	125	5,492	2,926	8,420	
1,277	3	4,708	4,284	8,990	200	1,371	3,135	4	131	5,749	321	6,070	2,653	134	5	126	5,216	2,974	8,190	
518	4	5,327	2,953	8,280	241	1,320	3,766	5	111	5,309	301	5,610	2,655	127	6	126	4,984	2,956	7,920	
300	5	5,492	2,318	7,810	248	1,360	3,884	6	92	4,698	282	4,980	2,655	129	7	124	4,843	2,937	7,780	
663	6	5,163	1,747	6,910	227	1,389	3,547	7	49	3,241	239	3,480	2,654	126	8	119	4,927	2,893	7,820	
961	7	4,743	907	5,650	200	1,405	3,138	8	17	2,603	207	2,810	2,647	122	9	113	5,106	2,854	7,960	
957	8	3,839	1,151	4,990	148	1,376	2,315	9	20	1,780	210	1,990	2,648	131	10	108	5,282	2,858	8,140	
1,087	9	3,634	526	4,160	138	1,332	2,164	10	22	1,488	212	1,700	2,650	122	11	98	5,328	2,862	8,190	
1,136	10	3,957	313	4,270	157	1,319	2,481	11	18	1,582	208	1,790	2,655	110	12	88	5,327	2,863	8,190	
969	11	4,630	- 340	4,290	198	1,324	3,108	12	23	1,617	213	1,830	2,659	104	13	81	5,408	2,872	8,280	
943	12	4,655	- 655	4,000	203	1,277	3,175	13	14	1,746	204	1,950	2,658	106	14	72	5,608	2,862	8,470	
1,335	13	3,709	41	3,750	173	833	2,703	14	99	2,211	249	2,460	2,653	104	15	67	5,568	2,902	8,470	
1,513	14	3,198	572	3,770	145	756	2,297	15	148	2,742	338	3,080	2,669	95	16	64	5,323	3,007	8,330	
1,323	15	2,393	2,017	4,410	101	713	1,579	16	230	2,579	2,301	4,880	2,679	85	17	64	2,890	4,860	7,870	
950	16	2,103	3,917	6,020	128	0	1,877	17	220	2,977	2,303	5,280	2,710	77	18	64	2,067	5,013	7,080	
30	17	2,226	3,754	5,980	134	0	2,092	18	191	3,092	1,348	4,440	2,749	77	19	64	2,733	4,097	6,830	
14	18	1,071	3,459	4,530	64	0	1,007	19	188	2,007	813	2,820	2,713	77	20	61	2,984	3,528	6,510	
13	19	461	3,089	3,530	27	0	434	20	194	934	1,076	2,010	2,714	77	21	58	2,560	3,790	6,350	
13	20	1,092	2,018	3,110	66	0	1,026	21	185	1,026	734	1,760	2,680	81	22	54	2,896	3,414	6,310	
21	21	1,090	1,850	2,940	66	0	1,024	22	180	1,024	468	1,490	2,676	85	23	49	2,588	3,442	5,710	
19	22	533	2,057	2,590	32	0	501	23	78	451	495	946	2,668	86	24	46	2,157	3,163	5,320	
18	23	539	1,631	2,170	32	0	507	24	62	266	252	518	2,678	86	25	42	2,352	2,928	5,280	
21	24	538	1,462	2,000	32	0	506	25	51	109	241	350	2,682	86	26	37	2,477	2,925	5,400	
20	25	1,121	789	1,910	67	0	1,054	26	30	70	220	290	2,690	88	27	31	2,680	2,910	5,590	
352	26	780	1,130	1,910	47	0	733	27	19	68	209	275	2,705	89	28	24	2,916	2,914	5,830	
348	27	609	1,341	1,950	2	571	36	28	50	88	240	328	2,705	88	30	9	3,405	2,945	6,350	
277	28	1,269	741	2,010	34	696	384	29	89	221	279	500	2,725	89	OCT 1	4	3,026	3,004	6,030	
436	29	1,125	1,125	2,250	25	718	1,259	30	89	781	279	1,060	2,720	90	2	3	2,131	2,999	5,130	
458	30	2,066	624	2,690	80	727														
							(154,107)							(8,049)				(251,383)		

ING STATIONS

1966

RIVER STATION		LAKE WALCOTT CONTENTS ACRE- FEET	MINIDOKA CANALS					SNAKE RIVER NEAR MINIDOKA			DATE	MILNER LAKE GAGE FEET	MINIDOKA NORTH SIDE PUMP STORED	MINOR DIVERSIONS NEELEY TO MILNER STORED	GOODING PROJECT			NORTH SIDE CANAL				
SAL IN	TOTAL		NORTH	SOUTH	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL					STORED	NORMAL	TOTAL	P.A.	GOODING	MAIN	TOTAL	STORED
187	12,400	88,480	1,520	1,280	2,800	2,800	0	5,863	2,867	8,730	AUG 19	11.06	181	3	1,230	0	1,230	59	910	2,780	3,729	3
186	12,800	91,230	1,530	1,220	2,750	2,750	0	5,894	2,868	8,762	20	10.88	176	3	1,240	0	1,240	59	910	2,780	3,729	3
141	12,800	93,200	1,510	1,130	2,640	2,640	0	5,989	2,941	8,930	21	11.20	176	3	1,240	0	1,240	59	920	2,760	3,739	3
332	12,400	95,430	1,440	1,110	2,550	2,550	0	5,988	2,852	8,840	22	11.24	176	3	1,240	0	1,240	59	910	2,740	3,709	3
157	12,200	98,630	1,380	1,100	2,480	2,480	0	5,903	2,857	8,760	23	11.20	170	3	1,210	0	1,210	59	900	2,720	3,679	3
344	11,800	98,440	1,350	1,090	2,440	2,440	0	5,646	2,844	8,490	24	11.10	170	3	1,190	0	1,190	59	900	2,720	3,679	3
327	11,100	98,800	1,350	1,130	2,480	2,480	0	5,583	2,827	8,410	25	10.98	170	3	1,200	0	1,200	59	910	2,710	3,679	3
115	11,000	98,320	1,350	1,190	2,540	2,540	0	5,645	2,815	8,460	26	10.69	172	3	1,200	0	1,200	59	900	2,710	3,669	3
315	10,800	98,080	1,340	1,190	2,530	2,530	0	5,917	2,815	8,730	27	10.84	165	3	1,200	0	1,200	59	910	2,700	3,669	3
321	10,800	95,670	1,320	1,160	2,480	2,480	0	5,959	2,821	8,780	28	11.08	165	3	1,200	0	1,200	59	910	2,700	3,669	3
326	10,700	95,180	1,220	1,130	2,350	2,350	0	5,694	2,826	8,520	29	11.18	156	3	1,170	0	1,170	59	900	2,500	3,459	3
321	10,700	94,250	1,220	1,130	2,350	2,350	0	5,589	2,821	8,410	30	11.26	143	3	1,150	0	1,150	59	900	2,480	3,419	3
339	10,700	93,900	1,180	1,120	2,300	2,300	0	5,281	2,839	8,120	31	11.21	143	3	1,150	0	1,150	59	900	2,380	3,339	3
327	10,500	94,250	1,120	1,080	2,200	2,200	0	5,103	2,827	7,930	SEPT 1	11.28	134	3	1,160	0	1,160	59	900	2,280	3,239	2
317	10,000	95,180	1,010	946	1,956	1,956	0	4,833	2,817	7,650	2	11.24	121	3	1,160	0	1,160	59	900	2,250	3,209	2
327	9,300	95,910	849	811	1,660	1,660	0	4,463	2,827	7,290	3	11.17	102	3	1,150	0	1,150	59	880	2,250	3,189	2
363	8,810	96,870	772	735	1,507	1,507	0	4,077	2,863	6,940	4	10.87	102	1	1,150	0	1,150	59	890	2,250	3,199	2
328	8,420	97,110	772	687	1,459	1,459	0	4,012	2,928	6,940	5	10.71	85	0	1,140	0	1,140	59	880	2,220	3,139	2
374	8,190	96,630	770	668	1,438	1,438	0	4,046	2,974	7,020	6	10.50	96		1,140	0	1,140	59	870	2,180	3,109	2
356	7,920	95,180	808	662	1,470	1,470	0	4,124	2,956	7,080	7	10.48	101		1,140	0	1,140	59	870	2,170	3,099	2
337	7,780	93,790	889	679	1,568	1,568	0	4,223	2,937	7,160	8	10.44	96		1,140	0	1,140	59	870	2,170	3,099	2
393	7,820	90,990	915	676	1,591	1,591	0	4,447	2,893	7,340	9	10.48	86		1,140	0	1,140	58	870	2,180	3,108	2
354	7,960	88,900	907	701	1,608	1,608	0	4,466	2,854	7,320	10	10.52	96		1,140	0	1,140	58	860	2,170	3,088	2
358	8,140	87,270	909	721	1,630	1,630	0	4,402	2,858	7,260	11	10.54	96		1,140	0	1,140	58	860	2,180	3,098	2
362	8,190	85,400	909	690	1,599	1,599	0	4,318	2,862	7,180	12	10.52	90		1,140	0	1,140	58	860	2,170	3,088	2
363	8,190	83,540	858	673	1,529	1,529	0	4,237	2,863	7,100	13	10.56	79		1,140	0	1,140	58	860	2,190	3,108	2
372	8,280	82,750	803	690	1,493	1,493	0	4,268	2,872	7,160	14	0.57	68		1,140	0	1,140	58	870	2,180	3,108	2
362	8,470	81,510	805	668	1,473	1,473	0	4,268	2,862	7,130	15	10.82	54		1,150	0	1,150	59	870	2,180	3,079	2
302	8,470	81,280	783	633	1,416	1,416	0	4,148	2,902	7,050	16	10.88	53		1,150	0	1,150	58	880	2,070	3,008	2
307	8,330	81,740	704	519	1,223	1,178	47	3,760	2,960	6,720	17	10.99	48		1,140	0	1,140	58	870	1,980	2,908	2
380	7,870	82,640	698	440	1,138	0	1,138	2,528	3,842	6,370	18	10.99	47		1,120	0	1,120	57	870	1,910	2,837	1
313	7,080	83,090	696	484	1,180	0	1,180	2,137	3,833	5,970	19	10.82	57		1,090	0	1,090	57	890	1,800	2,707	1
397	6,830	81,850	694	532	1,226	0	1,226	2,839	2,871	5,710	20	10.69	57		1,100	0	1,100	55	860	1,730	2,545	2
326	6,510	81,280	694	484	1,178	522	656	2,670	2,870	5,540	21	10.45	57		1,100	0	1,100	55	870	1,720	2,545	2
390	6,350	80,270	744	519	1,263	343	920	2,670	2,870	5,540	22	10.23	57		1,100	0	1,100	55	880	1,710	2,545	2
314	6,310	78,350	814	536	1,350	806	544	2,840	2,870	5,710	23	10.04	57		1,100	0	1,100	55	880	1,720	2,555	2
342	5,710	75,530	682	549	1,431	1,219	212	2,860	2,930	5,790	24	9.98	62		1,100	0	1,100	55	880	1,730	2,565	2
363	5,320	71,170	951	641	1,592	1,399	193	2,800	2,970	5,770	25	9.70	63		1,100	0	1,100	0	870	1,710	2,580	2
328	5,260	65,230	956	660	1,616	1,616	0	3,042	2,928	5,970	26	9.75	71		1,100	0	1,100	0	890	1,730	2,620	2
323	5,400	60,850	893	644	1,537	1,537	0	3,047	2,923	5,970	27	9.85	67		1,100	0	1,100	0	910	1,690	2,600	3
310	5,590	56,760	777	567	1,344	1,334	10	2,940	2,900	5,840	28	9.82	55		1,100	0	1,100	0	900	1,530	2,430	2
314	5,630	53,320	739	484	1,223	1,149	74	2,980	2,840	5,820	29	9.74	59		1,110	0	1,110		920	1,500	2,420	2
328	5,990	50,630	737	469	1,206	1,050	156	2,890	2,770	5,660	30	9.99	59		1,090	0	1,090		900	1,340	2,240	2
345	6,350	49,680	702	438	1,140	905	235	2,730	2,710	5,440	OCT 1	9.88	59		1,090	0	1,090		870	1,340	2,210	2
304	6,030	46,410	664	452	1,116	752	364	2,720	2,640	5,360	2											

LATE NO 13A																					
DATE	MILNER LAKE GAGE FEET	MINIDOKA NORTH SIDE PUMP STORED	MINOR DIVERSIONS NEELEY TO MILNER STORED	GOODING PROJECT			NORTH SIDE CANAL COMPANY				TWIN FALLS CANAL COMPANY			MILNER LOW LIFT			SHAKE RIVER AT MILNER				
				STORED	NORMAL	TOTAL	P.A.	GOODING	MAIN	TOTAL	STORED	NORMAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL	STORED	NORMAL	TOTAL
AUG 19	11.05	181	3	1,230	0	1,230	59	910	2,760	3,729	3,392	337	1,070	2,530	3,600	232	0	232	277	0	277
20	10.88	178	3	1,240	0	1,240	59	910	2,760	3,729	3,392	337	1,051	2,529	3,580	235	0	235	274	0	274
21	11.20	176	3	1,240	0	1,240	59	920	2,760	3,739	3,393	348	985	2,595	3,580	235	0	235	285	0	285
22	11.24	176	3	1,240	0	1,240	59	910	2,740	3,709	3,373	338	1,064	2,518	3,580	235	0	235	285	0	285
23	11.20	170	3	1,210	0	1,210	59	900	2,720	3,679	3,343	336	1,039	2,521	3,560	228	0	228	280	0	280
24	11.10	170	3	1,190	0	1,190	59	900	2,720	3,679	3,344	335	1,031	2,509	3,540	226	0	226	274	0	274
25	10.98	170	3	1,200	0	1,200	59	910	2,710	3,679	3,346	333	1,016	2,494	3,510	224	0	224	271	0	271
26	10.89	172	3	1,200	0	1,200	59	900	2,710	3,669	3,338	331	1,016	2,484	3,500	218	0	218	269	0	269
27	10.84	165	3	1,200	0	1,200	59	910	2,700	3,669	3,338	331	976	2,484	3,460	209	0	209	271	0	271
28	11.08	165	3	1,200	0	1,200	59	910	2,580	3,549	3,217	332	931	2,489	3,420	200	0	200	277	0	277
29	11.18	158	3	1,170	0	1,170	59	900	2,500	3,459	3,129	333	877	2,493	3,370	192	0	192	282	0	282
30	11.26	143	3	1,150	0	1,150	59	900	2,460	3,419	3,087	332	871	2,489	3,360	184	0	184	277	0	277
SEPT 1	11.28	134	3	1,160	0	1,160	59	900	2,380	3,339	3,005	334	805	2,505	3,310	182	0	182	280	0	280
2	11.24	121	3	1,160	0	1,160	59	900	2,280	3,239	2,908	333	746	2,494	3,240	175	0	175	274	0	274
3	11.17	102	3	1,150	0	1,150	59	880	2,250	3,189	2,856	333	695	2,485	3,180	181	0	181	269	0	269
4	10.87	102	1	1,150	0	1,150	59	890	2,250	3,199	2,862	337	646	2,494	3,140	180	0	180	259	0	259
5	10.71	85	0	1,140	0	1,140	59	880	2,220	3,159	2,814	345	594	2,526	3,120	175	0	175	266	0	266
6	10.50	96		1,140	0	1,140	59	880	2,220	3,159	2,814	345	527	2,583	3,110	171	0	171	269	0	269
7	10.48	101		1,140	0	1,140	59	870	2,180	3,109	2,759	350	426	2,624	3,050	166	0	166	264	0	264
8	10.44	96		1,140	0	1,140	59	870	2,170	3,099	2,752	347	391	2,609	3,000	166	0	166	261	0	261
9	10.48	88		1,140	0	1,140	59	870	2,170	3,099	2,753	346	389	2,591	2,980	163	0	163	274	0	274
10	10.52	96		1,140	0	1,140	58	870	2,180	3,108	2,768	340	447	2,553	3,000	154	0	154	277	0	277
11	10.54	96		1,140	0	1,140	58	880	2,180	3,098	2,763	335	441	2,519	2,960	146	0	146	269	0	269
12	10.52	90		1,140	0	1,140	58	880	2,170	3,088	2,752	336	417	2,523	2,940	144	0	144	271	0	271
13	10.56	79		1,140	0	1,140	58	880	2,190	3,108	2,772	336	374	2,526	2,900	142	0	142	271	0	271
14	0.57	68		1,140	0	1,140	58	870	2,180	3,108	2,771	337	343	2,527	2,870	130	0	130	269	0	269
15	10.62	54		1,150	0	1,150	59	870	2,150	3,079	2,743	338	325	2,535	2,860	115	0	115	271	0	271
16	10.88	53		1,150	0	1,150	58	880	2,070	3,008	2,668	342	314	2,526	2,840	115	0	115	274	0	274
17	10.99	48		1,140	0	1,140	58	870	1,980	2,908	2,508	400	170	2,560	2,730	108	0	108	277	0	277
18	10.99	47		1,120	0	1,120	57	870	1,910	2,837	1,515	1,322	0	2,560	2,560	106	0	106	280	0	280
19	10.62	57		1,090	0	1,090	57	850	1,800	2,707	1,364	1,343	0	2,520	2,520	106	0	106	280	0	280
20	10.69	57		1,100	0	1,100	55	860	1,730	2,645	2,234	411	0	2,490	2,490	103	0	103	277	0	277
21	10.45	57		1,100	0	1,100	55	870	1,720	2,645	2,234	411	0	2,460	2,460	103	0	103	274	0	274
22	10.23	57		1,100	0	1,100	55	880	1,710	2,645	2,245	400	0	2,470	2,470	109	0	109	266	0	266
23	10.06	57		1,100	0	1,100	55	880	1,720	2,635	2,245	400	0	2,470	2,470	111	0	111	261	0	261
24	9.98	62		1,100	0	1,100	55	880	1,730	2,665	2,265	400	0	2,470	2,470	111	0	111	259	0	259
25	9.70	63		1,100	0	1,100	0	880	1,730	2,620	2,275	345	0	2,530	2,530	112	0	112	256	0	256
26	9.75	71		1,100	0	1,100	0	870	1,710	2,580	2,180	400	0	2,550	2,550	113	0	113	259	0	259
27	9.85	67		1,100	0	1,100	0	890	1,730	2,620	2,275	345	27	2,583	2,610	113	0	113	256	0	256
28	9.82	55		1,100	0	1,100	0	910	1,690	2,600	2,237	363	0	2,560	2,560	113	0	113	261	0	261
29	9.74	59		1,100	0	1,100	0	910	1,620	2,530	2,130	400	0	2,570	2,570	113	0	113	266	0	266
30	9.99	59		1,110	0	1,110		900	1,530	2,430	2,030	400	0	2,500	2,500	113	0	113	264	0	264
1	9.88	59		1,090	0	1,090		920	1,500	2,420	2,020	400	0	2,440	2,440	113	0	113	269	0	269
2	9.59	60		1,090	0	1,090		900	1,340	2,240	1,840	400	0	2,370	2,370	113	0	113	269	0	269
3	9.66	60		1,110	0	1,110		870	1,340	2,210	1,810	400	0	2,310	2,310	113	0	113	266	0	266
				1,110	0	1,110		900	1,420	2,520	1,920	400	0	2,240	2,240	95	0	95	266	0	266
													0	2,280	2,280	80	0	80	266	0	266
(4.6.7)				(149)	52,890						(12,337)		(20,004)			(7,056)			(12,446)		

DAILY SEGREGATION OF

[illegible]

DATA AT AND BETWEEN SNAKE RIVER GAGING STATIONS

24 HOUR SECOND-FOOT EXCEPT AS NOTED

SHELLEY STORED VERSIONS	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 THOUSANDS OF ACRE-FOOT	SNAKE RIVER AT NEELEY			DATE	BLACKFOOT RIVER
		STORED	NORMAL	TOTAL	STORED LOSS	STORED DIVERSIONS				STORED	NORMAL	TOTAL	CALCULATED INFLOW	STORED DIVERSIONS			STORED	NORMAL	TOTAL		
403	OCT 1	2,117		3,300	84	727	1,308	OCT 2	79	1,251	289	1,520	2,650	89	OCT 3	3	2,021	2,919	4,940		
513	2	2,879		3,870	129	733	2,017	3	130	1,680	320	2,000	2,850	87	4	4	1,935	3,475	5,010		
245	3	2,480		3,790	149	0	2,331	4	202	1,848	392	2,240	2,850	85	5	6	1,078	4,052	5,130		
0	4	2,170		3,820	130	0	2,040	5		2,040	460	2,500	2,650	79	6	10	700	5,130	4,430		
	5	2,727		3,980	164	0	2,563	6		2,500	230	2,730	2,650	76	7	13	250	4,390	4,640		
	6	2,371		4,060	142		2,229	7		1,483	1,187	2,650	2,650	76	8	15	929	4,081	5,010		
	7	1,547			93		1,454	8		1,454	886	2,340		69	9	18	301	3,849	4,150		
	8	851			39		612	9		1,112	778	1,890		65	10	21	415	4,015	3,800		
	9	320			19		301	10		800	760	1,560		67	11	22	335	4,095	3,760		
	10	-164			-10		-154	11		346	1,034	1,380		63	12	23	246	4,074	4,320		
	11	521			31		490	12		490	790	1,280		69	13	22	855	3,785	4,640		
	12	114			7		107	13		107				67	14	24					
	13	99			6		93	14		93				61	15	28					
	14	95			6		89	15		89				8							
								16						0							

(961) (17,927) (989) (1,460) (15,478) (15,293) (961) (5,785)

96,011 347,982 13,072 131,583 203,327 203,327 27,652 980,133

STATIONS

1966

[illegible]

NORTH SIDE PUMP STORE	MINOR DIVERSIONS BEELEY TO MILNER STORE	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
98		1,100	0	1,100															
61		1,090	0	1,090		880	1,440	2,320	1,920	400	0	2,240	2,240	78	0	78	288	0	288
53		670	0	670		870	1,400	2,270	1,870	400	0	2,180	2,180	88	0	88	71	0	71
55		90	0	90		860	1,380	2,240	1,431	809	0	2,100	2,100	91	0	91	6	0	6
58		200	0	200		890	1,390	2,280	346	1,934	0	2,030	2,030	92	0	92	5	0	5
58		200	0	200		880	1,390	2,270	1,082	1,188	0	2,020	2,020	94	0	94	5	0	5
66		200	0	200		690	463	1,153	348	805	0	2,030	2,030	91	0	91	31	0	31
63		200	0	200		550	0	550	0	550	0	2,020	2,020	0	85	85	28	0	28
78		190	0	190		780	0	780	0	780	0	1,920	1,920	0	85	85	8	0	8
73		190	0	190		880	0	880	0	880	0	1,840	1,840	0	71	71	0	142	142
18		200	0	200		880	0	880	0	880	0	1,770	1,770	0	54	54	0	247	247
18		200	0	200		770	0	770	0	770	0	1,670	1,670	0	48	48			
18		200	0	200		690	0	690	0	690				0	28	28			
18		190	0	190											0	0			
18		200	0	200															
18		200	0	200															
18		190	0	190															
18		190	0	190															
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		190	0	190															
		180	0	180															
		180	0	180															
		70	0	70															
				0															
(787)	(0)	(7,650)							(6,997)		(0)			(534)			(418)		
8,153	237	228,106							382,012		93,187			32,541			28,294		

NO	APR 13		JUNE																													
	MAY 31		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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THE END

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[illegible]

24 HOUR SECOND-FEET EXCEPT AS NOTED

[illegible]

1950

[illegible]

[illegible]

PLATE NO 14

8	9	10	ECONO-FEET	ACRE-FEET	RESERVOIR EQUVALENT ACRE-FEET	AMERICAN FALLS ACRE-FEET	JACKSON ACRE-FEET	PALISADES ACRE-FEET	RENTALS (1) ACRE-FEET	OTHER RIGHTS ACRE-FEET	TOTAL SUPPLY ACRE-FEET
			407	807	861				190	(2) 5,668	5,858
16	14	24	1,982	3,931	4,193	673	1,589	1,333	198	(3) 400	4,193
0	13	128	16,478	32,684	34,863	12,485	7,209	24,510		(2) 516	44,720
			3,726	7,390	7,833		2,000	8,084	450	(2) 132	10,668
37	140	146	11,453	22,717	24,231	8,923	11,252	16,856		(2) 24	37,055
	0	5	85	169	180			1,238		(2) 413	413
			306	607	647			215	114	(2) 206	1,238
			33	65	69						206
			156	312	329						329
			33	65	69						52
			351	696	742					(2) 52	740
82	82	188	18,046	35,794	38,180	12,025	11,943	20,210	224	(2) 516	44,807
			170	337	359			13,502	50	(2) 629	344
89	103	104	9,718	19,275	20,560	2,649	3,530			(2) 344	25,115
			55	109	116					(2) 5,384	116
128	155	165	20,513	40,687	43,399	9,496	10,603	27,004	1,256	(2) 116	48,359
0			451	895	955			688	(1) 40	(2) 235	963
			311	617	658					(2) 948	948
			733	1,454	1,551		1,040	1,376			2,416
			226	448	478			688	312		1,000
15	17	17	4,685	9,293	9,913		4,000	5,418	820	(2) 1,450	11,888
0	8	5	4,196	8,323	8,878	3,868	5,234	6,751			15,853
3	14	9	1,940	3,848	4,100	2,549	1,472	2,709			6,730
			775	1,537	1,639			4,042	100	(2) 150	4,292
			118	230	245					(2) 245	245
			240	476	508					(2) 508	508
			1,738	3,447	3,677			5,418		(2) 250	5,668
			1,083	2,148	2,291			4,042			4,042
			833	1,256	1,340	886	511	1,032			2,429
			1,270	2,519	(4) 2,687			5,160	100		5,260
			1,158	2,297	2,450			4,730			4,730
			270	536	572			1,032	30	(2) 323	1,032
			167	331	355				100		100
			81	161	172						45,201
41	41	41	3,143	6,234	6,650	4,666	2,695	37,840			34,345
			3,231	6,409	6,836	13,459	7,771	13,115			920
			412	817	871	191	110			(2) 619	239
			113	224	239	21	12			(2) 206	4,356
			597	1,184	1,263	50	384	3,603		(2) 319	88,709
			15,540	30,823	32,878	22,911	13,230	50,588			76,864
			22,486	44,600	47,573	25,731	19,857	29,025 (5)	220	(2) 2,031	9,891
			3,532	7,006	7,473	2,006	2,659	4,818	10	(2) 200	14,898
			4,980	9,878	10,537	8,047	3,491	5,160			86,950
			35,358	70,132	74,807	26,367	30,225	30,358	(14) - 823	(13) 15,511	14,688
20	20	20	2,250	4,463	4,761						
87	136	969	194,820	386,424	412,125	155,003	140,817	330,523	3,201	31,725	661,269
			663	1,315	1,403			3,483	1,250	(2) 150	1,400
			613	1,216	1,297	12,763	7,370	10,105	(8) - 2,970		20,846
			838	1,662	1,773			30,100			10,105
			28,655	56,836	60,625	21,415	20,365	131,408		(6) - 55	71,880
40	342	340	93,803	186,059	198,463	55,591	74,626	5,418			261,570
75	930	919	4,818	9,156	9,766	3,396	1,961	1,290			10,775
19	57	59	467	926	988			2,021			1,290
			431	855	912			2,752			4,824
			187	371	396	1,314	758	516		(7) - 253	516
2	3	1	80	159	170			2,021		(7) - 253	1,768
			838	1,664	1,775			602			855
			383	760	811				- 1,720	95	387,650
			131,577	260,979	278,379	94,479	105,080	189,716	(8) - 47,700	(10) 83	72,237
8	1232	1319	14,872	29,498	31,099	47,700		35,174	(8) - 10,000	(10) 79	48,553
0	83	74	12,747	25,283	25,933	23,300		63,812		(9) 171,616	662,963
2	48	48	267,044	529,674	536,838	241,505	186,030		(1) 70	(2) 2,004	2,074
			237	470	56,274	47,593		78,088		(10) 265	125,946
			28,153	55,841	452,480	400,000		860	(1) 48,600	(10) 2,267	451,727
			228,106	452,442	438,360	312,007		100,278		(10) 848	851,491
			382,012	757,710	776,493	151,185		38,270	(1) 2,660	(10) 340	248,708
			83,187	164,834	186,881	45,687					86,865
			32,341	64,544	65,567	45,000					45,000
			22,702	45,029				(11) 29,619		(12) 62,155	29,619
277	269							938,492	- 4,899	277,393	3,742,115

NOTES

- (1) RENTED FROM WATER DISTRICT NO 36
- (2) FROM PALISADES WATER USERS
- (3) RENTED FROM PALISADES WATER USERS
- (4) WEST LABELLE 557 A.F., LONG ISLAND 2130 A.F.
- (5) INCLUDES WEST SIDE MUTUAL
- (6) TRANSFER TO ABERDEEN PUMP
- (7) TRANSFER FROM WATSON TO PARSONS
- (8) RENTED TO WATER DISTRICT 36
- (9) LAKE WALCOTT YIELD, 57,600 A.F.
GAIN NEELEY TO MILNER 113,000 A.F.
AMERICAN FALLS REFILL 1,016 A.F.
- (10) AMERICAN FALLS REFILL
- (11) WYOMING USERS, 28,380 A.F., CONTINGENCIES, 1,239
- (12) RENTED BY WATER DISTRICT 36 THROUGH POOL
COMMITTEE TO VARIOUS CANALS & INDIVIDUALS
- (13) FROM PALISADES WATER USERS & INCLUDES
12,095 A.F. HOLDOVERS TO INDIVIDUALS
IN MANY CANALS
- (14) INCLUDES 1,480 A.F. PALISADES WATER USERS
RENTED TO WATER DISTRICT 36, AND 657 A.F.
RENTED FROM WATER DISTRICT 36

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

TIME INTERVAL BETWEEN GAGING STATIONS ON SNAKE RIVER

File Number _____
District _____

Plate No 15

TIME: CLAUGH 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

IN HOURS 30 35 40 45 50
TIME INTERVAL IN HOURS 10 15 20 25 30 35 40 45 50

Checked by _____ Date _____

MAY 1966

2017-2018

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

[illegible]

HENRYS FORK CANALS

[illegible]

TEETON RIVER CANALS

[illegible]

YELLOWSTONE	28	25	22	28	23	17	17	9	10	9	11	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	13	13	13	13	1
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HENRYS FORK NEAR LAKE				STORED LOSS	STORED DIVERSIONS	F.M. DIST. SHERIDAN CREEK RIGHT	STORED INFLOW TO ISLAND PARK RESERVOIR	DATE	ISLAND PARK RESERVOIR CONTENTS ACRE-Feet	HENRYS FORK NEAR ISLAND PARK			ISLAND PARK TO ASHTON		DATE	HENRYS FORK NEAR ASHTON			GRASSY LAKE	STORED DIVERSIONS
ACRE-Feet	STORED	NORMAL	TOTAL	LAKE TO ISLAND PARK	ABOVE ISLAND PARK					STORED	NORMAL	TOTAL	STORED LOSS	STORED DIVERSIONS		STORED	NORMAL	TOTAL	STORAGE RELEASE	ASHTON TO STANTON
			76																	
			74																	
			73																	
			72																	
			107																	
80,000	180	52	232	7			185	JUNE 4	132,830	101	800	701	3							
	180	39	219	7		12	185	5	132,070	420	600	1,020	10		JUNE 5	98	1,622	1,720		
	185	30	215	7		12	185	6	131,040	450	800	1,050	11		6	410	1,510	1,920		
	185	25	210	7		12	185	7	130,010	450	800	1,050	11		7	419	1,581	1,920		
	175	22	197	7	5	12	185	8	129,200	430	590	1,020	11		8	439	1,501	1,940		23
	170	19	189	7	5	12	185	9	128,680	440	590	1,030	11		9	419	1,391	1,900		15
	170	15	185	7	5	12	185	10	128,280	364	580	944	9		10	429	1,491	1,920		12
	165	18	183	7	5	12	185	11	128,280	340	580	920	8		11	355	1,375	1,820		15
	160	19	179	6	10	12	185	12	127,810	322	580	902	8	2	12	330	1,480	1,810		12
	160	19	179	6	10	12	185	13	127,250	316	580	896	8	2	13	312	1,438	1,750		12
	160	19	179	6	10	12	185	14	126,960	340	580	920	8	2	14	306	1,444	1,750		12
	160	19	179	6	10	12	185	15	126,330	440	570	1,010	11	2	15	330	1,480	1,810		12
	160	19	179	6	10	12	185	16	125,710	490	560	1,050	12	4	16	427	1,423	1,850		12
	160	19	179	6	10	12	185	17	124,860	680	550	1,230	17	4	17	474	1,338	2,010		12
	160	19	179	6	10	12	185	18	123,940	590	540	1,130	15	4	18	659	1,401	2,060		12
	160	19	179	6	10	12	185	19	123,250	520	530	1,050	13	4	19	571	1,309	1,880		12
	160	19	179	6	10	12	185	20	122,490	530	520	1,050	13	4	20	503	1,377	1,880		12

STORED BELOW TO HENDRICK RESERVOIR	DATE	ISLAND PARK RESERVOIR CONTENTS ACRE-FOOT	HENRYS FORK NEAR ISLAND PARK			ISLAND PARK TO ASHTON		DATE	HENRYS FORK NEAR ASHTON			GRASSY LAKE STORAGE RELEASE	STORED DIVERSIONS ASHTON TO ST. ANTHONY	HENRYS FORK AT ST. ANTHONY		
			STORED	NORMAL	TOTAL	STORED LOSS	STORED DIVERSIONS		STORED	NORMAL	TOTAL			STORED	NORMAL	TOTAL
206	AUG 5	61,220	810	540	1,350											
206	6	60,080	810	540	1,350	20		AUG 6	786	1,204	1,990	120	773	133	997	1,130
225	7	58,740	800	540	1,340	20	4	7	786	1,204	1,990	70	749	107	1,033	1,140
29	8	57,380	800	540	1,340	20	4	8	776	1,164	1,940	70	804	42	1,038	1,080
29	9	56,060	790	540	1,330	20	4	9	776	1,214	1,990	70	838	8	1,022	1,030
29	10	54,720	780	540	1,320	20	4	10	766	1,224	1,990	70	842	-6	1,016	1,010
29	11	53,280	780	540	1,300	19	4	11	756	1,214	1,970	70	840	-14	964	950
29	12	51,930	740	540	1,280	18	4	12	737	1,214	1,990	70	863	-58	1,008	950
29	13	50,610	720	540	1,260	18	4	13	718	1,253	1,990	25	865	-122	1,072	950
29	14	49,280	700	540	1,240	18	4	14	698	1,252	1,970		818	-120	1,082	962
29	15	47,960	700	540	1,240	18	4	15	678	1,292	1,990		762	-64	1,070	986
29	16	46,320	670	540	1,210	17	4	16	678	1,292	1,970		713	-35	1,021	988
31	17	45,280	660	540	1,200	16	4	17	649	1,262	1,940		746	-97	1,083	986
31	18	44,000	660	530	1,190	16	4	18	640	1,291	1,940		700	-60	1,070	1,010
31	19	42,660	660	530	1,190	16	4	19	640	1,330	1,970		710	-70	1,100	1,030
31	20	41,420	660	530	1,190	16	4	20	640	1,300	1,940		694	-54	1,124	1,070
31	21	40,190	650	530	1,180	16	4	21	640	1,300	1,840		660	-20	1,090	1,070
36	22	38,940	640	530	1,170	16	4	22	630	1,260	1,900		652	-22	1,082	1,060
36	23	37,640	640	530	1,170	16	4	23	620	1,270	1,900		648	-28	1,078	1,050
36	24	36,500	630	530	1,160	16	4	24	620	1,300	1,920		653	-33	1,083	1,030
36	25	35,290	700	530	1,230	18	4	25	610	1,260	1,880		645	-35	1,085	1,050
36	26	33,860	730	530	1,260	18	4	26	678	1,312	1,990		610	68	1,042	1,110
36	27	32,540	730	530	1,260	18	4	27	708	1,332	2,040		612	96	1,064	1,160
36	28	31,090	710	530	1,240	18	4	28	708	1,282	1,990		615	93	1,037	1,130
36	29	29,810	710	530	1,240	18	4	29	688	1,302	1,990		612	76	1,064	1,140
36	30	28,500	700	530	1,230	18	4	30	688	1,302	1,990		604	84	1,046	1,130
36	31	27,180	690	530	1,220	17	4	31	678	1,312	1,990		608	70	1,090	1,160
36	SEPT 1	25,980	298	530	828	7	3	1	689	1,231	1,900		593	78	1,086	1,160
36	2	25,740	182	530	712	5	3	2	288	1,002	1,290		578	-290	1,080	790
36	3	25,520	182	530	712	5	3	3	174	1,116	1,290		531	-357	1,127	770
-12	4	25,200	186	540	706	4	3	4	174	1,116	1,290		517	-343	1,113	770
-12	5	24,860	166	540	706	4	3	5	159	1,121	1,280		502	-343	1,063	720
-12	6	24,540	166	540	706	4	3	6	159	1,121	1,280		487	-328	1,048	720
-12	7	24,160	227	540	767	6	3	7	218	1,122	1,340		478	-317	1,027	710
-12	8	23,390	570	540	1,110	14	3	8	553	1,277	1,830		478	-260	1,060	810
-12	9	22,220	550	540	1,090	14	3	9	490	1,277	1,810		490	63	997	1,060
-6	10	21,080	540	540	1,080	14	3	10	471	1,277	1,810		471	62	998	1,060
-7	11	19,980	540	540	1,080	14	3	11	523	1,267	1,790		494	29	1,051	1,080
-7	12	18,900	520	540	1,060	13	2	12	524	1,266	1,790		461	63	1,047	1,110
-7	13	17,880	470	580	1,050	12	0	13	507	1,283	1,790		456	51	1,029	1,080
-7	14	16,960	330	720	1,050	8		14	458	1,462	1,940		453	5	1,155	1,160
-7	15	16,300	310	720	1,030	8		15	322	1,858	2,180		447	-125	1,825	1,700
-7	16	15,670	380	650	1,030	10		16	302	1,868	1,970		136	166	1,564	1,730
-18	17	14,890	400	630	1,030	10		17	370	1,510	1,880		90	280	1,280	1,560
-19	18	14,130	410	610	1,020	10		18	390	1,510	1,900		94	296	1,244	1,540
-19	19	13,240	390	610	1,000	10		19	400	1,480	1,880		98	302	1,238	1,540
-19	20	12,400	388	610	998	10		20	380	1,450	1,830		91	289	1,191	1,480
-19	21	11,540	376	610	986	9		21	378	1,452	1,830		84	294	1,136	1,430
-19	22	10,700	358	610	968	9		22	367	1,463	1,830		81	286	1,114	1,400
-19	23	9,880	352	610	962	9		23	349	1,461	1,810		78	271	1,099	1,370
-19	24	9,100	340	610	950	8		24	343	1,467	1,810		81	262	1,098	1,360
-19	25	8,340	328	610	938	8		25	332	1,498	1,830		211	121	1,179	1,300
-19	26	7,620	316	610	926	8		26	320	1,470	1,790		204	116	1,134	1,250
-19	27	6,920	309	605	914	8		27	308	1,482	1,790		188	120	1,200	1,320
-19	28	6,240	301	605	896	8		28	301	1,469	1,770		172	129	1,121	1,250
-19	29	5,590	198	605	803	5		29	293	1,457	1,750		165	128	1,122	1,230
-19	30	5,520						30	193	1,207	1,400		157	36	1,124	1,160

STORED BELOW TO HENDRICK RESERVOIR		DATE	HENRYS FORK NEAR ASHTON		HENRYS FORK NEAR REBURG	
			STORED	NORMAL	STORED	NORMAL
125	7					
29	8					
29	9					
29	10					
29	11					
29	12					
29	13					
29	14					
29	15					
29	16					
31	17					
31	18					
31	19					
31	20					
31	21					
36	22					
36	23					
36	24					
36	25					
36	26					
36	27					
36	28					
36	29					
36	30					
36	31					
36	SEPT 1					
36	2					
36	3					
-12	4					
-12	5					
-12	6					
-12	7					
-12	8					
-12	9					
-6	10					
-7	11					
-7	12					
-7	13					
-7	14					
-7	15					
-7	16					
-18	17					
-19	18					
-19	19					
-19	20					
-19	21					
-19	22					
-19	23					
-19	24					
-19	25					
-19	26					
-19	27					
-19	28					
-19	29					
-19	30					

(1) LISTED HERE ONE DAY LATER THAN AT DAM

ISLAND PARK		ISLAND PARK TO ASHTON		DATE	HENRY'S FORK NEAR ASHTON			GRASSY LAKE STORAGE RELEASE	STORED DIVERSIONS ASHTON TO ST. ANTHONY	HENRY'S FORK AT ST. ANTHONY			STORED DIVERSIONS ST. ANTHONY TO REXBURG		DATE	HENRY'S FORK NEAR REXBURG		
NORMAL	TOTAL	STORED LOSS	STORED DIVERSIONS		STORED	NORMAL	TOTAL			STORED	NORMAL	TOTAL	HENRY'S FORK	TETON RIVER		STORED	NORMAL	TOTAL
540	1,350	20	4	AUG 6	786	1,204	1,990	120	773	133	997	1,130	351	187	AUG 7	-405	1,575	1,170
540	1,350	20	4	7	786	1,204	1,990	70	749	107	1,033	1,140	357	138	8	-388	1,508	1,120
540	1,340	20	4	8	778	1,164	1,940	70	804	42	1,038	1,080	355	125	9	-438	1,430	992
540	1,340	20	4	9	776	1,214	1,990	70	838	8	1,022	1,030	367	119	10	-478	1,398	920
540	1,320	20	4	11	756	1,224	1,990	70	842	6	1,016	1,010	358	122	11	-486	1,326	840
540	1,300	19	4	12	737	1,214	1,970	70	840	14	964	950	317	97	12	-428	1,248	818
540	1,280	18	4	13	718	1,253	1,990	70	863	56	1,006	950	272	100	13	-428	1,268	840
540	1,260	18	4	14	698	1,252	1,970	25	865	122	1,072	950	242	113	14	-477	1,345	868
540	1,240	18	4	15	678	1,292	1,990		818	120	1,082	962	247	113	15	-460	1,337	857
540	1,240	18	4	16	678	1,292	1,970		762	84	1,070	986	286	138	16	-508	1,376	868
540	1,210	17	4	17	649	1,291	1,940		713	35	1,021	986	291	158	17	-484	1,363	879
540	1,200	16	4	18	640	1,330	1,970		746	97	1,083	986	273	127	18	-497	1,381	884
530	1,190	16	4	19	640	1,300	1,940		700	60	1,070	1,010	255	138	19	-453	1,403	950
530	1,190	16	4	20	640	1,300	1,940		710	70	1,100	1,030	239	139	20	-448	1,458	1,020
530	1,180	16	4	21	640	1,280	1,900		694	54	1,124	1,070	249	154	21	-457	1,527	1,070
530	1,170	16	4	22	630	1,270	1,900		660	20	1,090	1,070	252	137	22	-409	1,469	1,080
530	1,170	16	4	23	620	1,300	1,920		652	22	1,082	1,060	280	131	23	-433	1,493	1,020
530	1,170	16	4	24	620	1,260	1,880		648	28	1,078	1,050	308	124	24	-460	1,480	1,020
530	1,160	16	4	25	610	1,270	1,880		653	33	1,063	1,030	304	139	25	-476	1,486	1,010
530	1,230	18	4	26	678	1,312	1,990		645	35	1,085	1,050	306	88	26	-429	1,449	1,020
530	1,260	18	4	27	708	1,332	2,040		610	68	1,042	1,110	296	103	27	-331	1,421	1,090
530	1,260	18	4	28	708	1,282	1,990		612	96	1,064	1,160	264	107	28	-275	1,375	1,100
530	1,240	18	4	29	688	1,302	1,990		615	93	1,037	1,130	257	95	29	-259	1,349	1,090
530	1,240	18	4	30	688	1,302	1,990		612	76	1,064	1,140	253	158	30	-335	1,415	1,080
530	1,230	18	4	31	678	1,312	1,990		604	84	1,046	1,130	249	146	31	-311	1,391	1,080
530	1,220	17	4	SEPT 1	669	1,231	1,900		608	70	1,090	1,160	253	145	SEPT 1	-328	1,398	1,070
530	828	7	3	2	288	1,002	1,290		593	78	1,086	1,160	184	140	2	-248	1,298	1,050
530	712	5	3	3	174	1,116	1,290		578	-290	1,080	790	109	148	3	-547	1,404	857
530	712	5	3	4	174	1,116	1,290		531	-357	1,127	770	113	130	4	-600	1,468	868
540	706	4	3	5	159	1,121	1,280		517	-343	1,113	770	97	126	5	-566	1,445	879
540	706	4	3	6	159	1,121	1,280		502	-343	1,063	720	94	100	6	-537	1,363	848
540	706	4	3	7	159	1,121	1,280		487	-328	1,048	720	79	87	7	-494	1,312	818
540	787	8	3	8	218	1,322	1,540		476	-317	1,027	710	76	81	8	-474	1,248	774
540	1,110	14	3	9	553	1,277	1,830		478	-260	1,060	810	76	78	9	-414	1,322	908
540	1,090	14	3	10	533	1,277	1,810		490	63	997	1,060	94	81	10	-112	1,098	986
540	1,080	14	3	11	523	1,267	1,790		471	62	998	1,060	96	79	11	-113	1,105	992
540	1,080	14	3	12	524	1,266	1,790		494	29	1,051	1,080	68	80	12	-119	1,199	1,080
540	1,080	14	2	13	507	1,283	1,790		461	63	1,047	1,110	43	74	13	-54	1,144	1,090
540	1,080	13	0	14	458	1,482	1,940		456	51	1,029	1,080	45	63	14	-57	1,167	1,110
540	1,050	12		15	322	1,858	2,180		453	5	1,155	1,180	46	63	15	-104	1,554	1,450
520	1,050	8		16	302	1,868	1,970		447	-125	1,825	1,700	46	92	16	-263	2,273	2,010
520	1,030	8		17	370	1,510	1,880		136	166	1,564	1,730	0	88	17	78	1,972	2,050
520	1,030	10		18	390	1,510	1,900		90	280	1,280	1,560		50	18	230	1,740	1,970
520	1,020	10		19	400	1,480	1,880		94	296	1,244	1,540		0	19	296	1,654	1,950
520	1,020	10		20	380	1,450	1,830		98	302	1,238	1,540			20	302	1,608	1,910
520	998	10		21	378	1,452	1,830		91	289	1,191	1,480			21	289	1,611	1,900
520	998	9		22	367	1,463	1,830		84	294	1,136	1,430			22	294	1,586	1,860
520	998	9		23	349	1,461	1,810		81	286	1,114	1,400			23	286	1,504	1,790
520	998	9		24	343	1,467	1,810		78	271	1,099	1,370			24	271	1,479	1,750
520	992	9		25	332	1,498	1,830		81	262	1,098	1,360		0	25	262	1,458	1,720
520	950	8		26	320	1,470	1,790		211	121	1,179	1,300		36	26	85	1,535	1,620
520	938	8		27	308	1,482	1,790		204	116	1,134	1,250		37	27	79	1,561	1,640
520	928	8		28	301	1,489	1,770		188	120	1,200	1,320		39	28	81	1,569	1,650
520	914	8		29	293	1,457	1,750		172	129	1,121	1,250		41	29	88	1,522	1,610
520	896	8		30	193	1,207	1,400		165	128	1,122	1,230		41	30	87	1,483	1,570
520	803	5							157	36	1,124	1,160			OCT 1	-5		
1,877		360			72,561			4,427	57,476	19,512			19,879	14,548		-14,915		

NAME OF CANAL	NO.	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6
FARMERS ABOVE ISLAND PARK DAM	1																															
ISLAND PARK TO ASHTON	2						5	5	5	5	5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
ASHTON TO ST. ANTHONY	3						2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
FALLS RIVER	4						1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
WINDY CREEK CANAL	5						2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
WINDY CREEK CANAL	6									0	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
WINDY CREEK CANAL	7																															
WINDY CREEK CANAL	8																															
WINDY CREEK CANAL	9																															
FARMERS OWN	10																															
WINDY CREEK CANAL	11									0	5	5	5	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
ENTERPRISE	12									0	1	1	1	1	1	0																
WINDY CREEK CANAL	13																															
FALL RIVER CANAL	14						8	8	9	8	2	3	3	3	8	5	9	4	1	0												
CHESTER	15						0	13	0																							
WINDY CREEK CANAL	16																															
CORR	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						23	16	22	35	28	27	11	12	25	164	169	177	11	20	26	20	9	13	14	15	15	12	8	431	260	246
IN	25																															
INDEPENDENT	26																															
CONSOLIDATED FARMERS	27																															
JOHNSON	28																															
TOTAL ST. ANTHONY TO REXBURG	29						0	33	20	0																						

FROM PALISADES WATER USERS

DISTRICT 36

(1) FROM PALISADES WATER USERS
(2) RENTED FROM WATER DISTRICT 36

STORAGE DIVERSION

JULY

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
15	18	17	17	15	16	16	21	21	20	21	23	21	21	20	19	19	18	19	19
6	7	8	8	7	6	6	6	5	6	6	6	6	7	6	6	6	6	6	6
11	9	11	12	9	7	9	10	7	6	8	8	6	8	8	9	9	8	8	8
20	22	22	22	23	22	23	25	26	26	25	25	25	25	26	26	25	24	25	25
216	219	222	223	216	194	198	231	233	232	228	228	241	241	231	231	229	229	222	216
72	79	79	79	81	83	83	83	82	84	84	84	83	83	89	88	88	88	87	88
1	1	1	1	1	0	0	0	1	1	0	1	0	1	0	0	1	1	1	1
141	140	143	142	141	138	145	127	128	129	70	139	150	151	152	153	157	153	151	148
3	3	4	4	4	4	5	5	3	4	4	3	2	2	2	2	2	2	2	2
3	3	3	3	3	10	10	9	10	13	13	14	11	10	3	4	4	4	14	15
0	0	2	0	0	0	4	4	0	0	0	6	6	9	0	0	0	0	0	0
30	30	30	30	30	22	23	23	22	22	22	23	22	21	21	21	21	21	21	20
0	86	86	86	88	86	86	86	86	86	86	86	86	86	86	85	85	85	85	85
183	175	177	158	106	80	82	72	68	72	106	76	69	76	64	80	76	72	72	77
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
709	807	809	793	728	702	747	761	741	907	1083	1111	1079	1077	992	1007	1012	1022	1025	1037
14	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
298	312	274	300	281	272	270	266	299	308	304	300	296	296	262	246	244	224	224	244
69	80	84	90	54	56	74	72	64	186	192	190	186	149	134	153	154	138	138	139
381	382	388	390	335	328	344	360	363	494	497	491	483	446	396	399	398	362	362	383

AUGUST

29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	19	19	18	18	18	16	16	16	15	15	15	15	13	13	13	13	13	13	13	13	13
6	7	6	5	5	5	5	5	5	5	6	6	5	4	5	6	6	7	6	5	5	6
25	25	26	28	23	22	28	23	17	17	9	10	9	11	13	13	13	13	13	13	13	13
89	89	72	84	84	84	85	76	68	68	69	63	64	63	62	62	61	60	59	57	57	52
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	17	20	9	9	8	6	6	3	3	6	6	6	6	11	10	10	10	10	13	14	14
0	0	0	7	8	7	7	5	5	0	0	1	1	0	0	2	2	3	3	5	6	6
85	85	85	87	87	87	87	88	88	88	88	89	89	89	89	91	88	91	91	91	81	79
63	64	77	51	51	50	46	44	53	52	46	73	78	75	90	92	95	84	56	37	26	26
92	94	90	66	59	59	54	53	52	52	52	54	57	60	51	51	46	43	36	36	30	30
232	247	268	150	148	149	134	126	129	129	163	185	184	182	180	183	155	113	114	165	180	185
845	858	853	849	836	802	773	749	804	838	842	840	853	865	818	762	713	746	700	710	710	710
263	260	224	130	220	234	218	210	242	248	246	260	251	236	191	161	187	226	232	214	196	180
139	136	166	119	116	109	81	79	109	109	107	107	107	81	81	60	59	59	59	59	59	59
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
402	396	390	249	337	344	300	289	351	357	355	367	358	317	272	242	247	288	291	273	255	239

DES 570 A.F. PUMPED FROM CONANT CREEK
FROM INDIAN LAKE AND BERGMAN RESERVOIR
260 A.F. FROM WATER DISTRICT 36 265 FROM

- (7) TRANSFER FROM FARMERS OWN TO MARYSVILLE
- (8) JACKSON LAKE 5883 A.F.; AMERICAN FALLS 10,188 A.F.
- (9) TRANSFER 57 A.F. FROM CHESTER; 30 A.F. FROM FALL RIVER CANAL
- (10) TRANSFER FROM LAST CHANCE
- (11) TRANSFER FROM ST. ANTHONY
- (12) TRANSFER 100 A.F. FROM ST. ANTHONY CANAL; 840 FROM WILFORD

NS ON HENRYS FORK AND FALL RIVER

1966

24 HOUR SECOND-FOOT EXCEPT AS NOTED

SEPTEMBER

19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		
10	10	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
9	9	13	13	11	11	11	11	11	11	11	11	11	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
6	6	5	5	5	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
9	8	8	6	9	4	3	3	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	13	8	8	9	10	19	21	21	21	21	21	18	19	7	3	0	2	0	4	6	5	8	2	4	4	1	0																
160	142	121	121	121	129	129	128	129	128	128	128	129	128	129	113	113	95	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94
52	49	47	47	43	45	43	43	42	42	42	41	37	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	
0		0	1	1	0																																						
17	119	119	121	118	120	118	117	118	118	118	116	117	117	119	120	122	124	118	122	124	124	124	128	130	116	107	107	83	89	94	98	91	84	81	78	81	81	81	76	70	61		
14	15	15	15	14	15	14	14	14	14	14	14	14	13	14	15	1	2	1	1	1	1	1	1	2	2	0	2	2	0														
6	0			0	3	3	2	3	5	3	4	5	5	6	9	10	10	10	6	6	2	1	1	2	2	2	2	0															
18	18	18	18	20	19	18	18	20	20	20	19	19	19	19	18	13	14	13	13	13	15	0	22	23	24	24	24	27	0														
79	81	81	76	75	75	75	75	75	73	73	73	73	73	69	69	69	67	67	67	39	39	38	38	38	38	38	19	0															
26	22	22	22	22	18	12	12	12	12	13	17	17	17	17	15	16	15	15	0	0	15	15	12	13	11	10	9	6	0														
30	30	30	30	29	28	25	25	25	25	23	23	15	10	0						0	17	17	21	31	31	22	22	0															
165	168	168	165	166	166	166	133	133	135	137	135	137	137	137	121	123	125	123	125	121	137	133	135	135	135	137	135	0															
710	694	680	652	648	653	645	610	612	615	612	604	608	593	578	531	517	502	487	476	478	490	471	494	461	456	453	447	136	90	94	98	91	84	81	78	81	211	204	188	172	161		
80	85	85	216	244	240	244	232	200	193	191	187	191	141	71	75	59	57	42	39	39	56	53	29	0	2	2	0																
59	54	57	54	64	64	62	64	64	64	62	62	62	43	38	38	38	37	37	37	37	38	43	43	43	43	44	46	0															
239	249	252	280	308	304	306	296	264	257	253	249	253	184	109	113	97	94	79	76	76	94	96	68	43	45	46	46	0															

ANCE TO DEWEY

IONY UNION

ST ANTHONY UNION, 573 FROM FALL RIVER
RD. 1,002 FROM EGIN

- (13) TRANSFER 50 A.F. TO TWIN GROVES, 30 TO BELL, 973 TO FARMERS FRIEND
- (14) TRANSFER 50 A.F. FROM FALL RIVER CANAL, 100 A.F. FROM EGIN
- (15) TRANSFER 10 A.F. TO TWIN GROVES, 1,002 TO FARMERS FRIEND

(16) TRANSFER 843 A.F. TO ISLAND WARD

ND FALL RIVER 1966

PLATE NO 22

SEPTEMBER

[illegible]

NO.	TOTAL		RESERVOIR ALLOTMENTS IN ACRE-FEET					
	SECOND- FEET	ACRE- FEET	FREMONT- MADISON	HENRYS LAKE	OTHER RIGHTS	RENTALS	TOTAL	HEADGATE EQUIVALENT
1	781	1,562	1,590		(1) 1,101	(2) 16	2,707	2,396
2	350	694	689			(2) 10	789	769
3	150	298	313				313	308
4	310	615	700				700	662
5	968	1,920	1,485			(3) 484	1,969	1,920
6	359	712	135			(2) 590	725	707
7	530	(4) 1,051	240		(5) 771		1,011	986
8	1,202	2,384	1,680			(6) 765	2,445	2,384
9	11,682	23,568	19,919		(7) 45	(3) 4,208	24,172	23,568
10	4,569	9,062	8,072		(7) -45	(3) 1,287	9,294	9,062
11	42	83	80				80	78
12	11,762	23,330	10,180		(8) 16,071		26,251	25,595
13	171	339	140		(9) 87	(3) 121	348	339
14	283	561	7,968		(3) -1,053		6,915	6,742
15	613	1,216	1,537		(9) -57		1,480	1,443
16	195	387	511				511	503
17	10	20	50				50	49
18	1,563	3,100	619	1,135	(10) 15	(3) 1,410	3,179	3,100
19	5,706	11,318	1,875	10,990	(10) -15		12,850	12,100
20	0	0	3,551	5,332	(11) -100		8,783	8,355
21	4,660	9,243	5,565		(12) 2,915	(2) 1,000	9,480	9,243
22	2,849	5,651	5,709		(14) 60	(2) 85	5,854	5,708
23	9,654	19,148	7,754	19,211			26,965	25,541
24	57,478	114,006	78,083	36,668	18,694	9,930	143,375	138,413
25	54	107	2,342	5,332	(15) -1,012		6,662	6,495
26	13,846	27,463	9,172	21,345			30,517	28,921
27	5,965	11,831	5,126	16,005	(16) -643		21,131	19,336
28	14	28	28				28	27
29	19,879	39,429	16,668	42,682	-1,655		57,695	54,779

ES. 872 TO 881, 873 TO FARMERS FRIEND

REF ID: A604 F FROM EGIN

TO FARMERS FRIEND

(16) TRANSFER 643 A.F. TO ISLAND WARD

CANAL	NO.	JUNE																																			
		6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	
LEIGH CREEK IRRIGATION CO.	1	36	36	40	40	46	30	20	11	12	32	40	60	80	75	60	50	40	34	0	31	24	9	5	1	0											
LEIGH CREEK CANALS	2	45	45	39	39	39	39	23	23	23	23	27	27	25	24	24	24	23	24	25	25	11	11	11	11	11	11	11	4	4	4	4	4	4	9	9	
LEIGH CREEK CANALS	3			20	20	20	20	20	30	0	0	33	30	30	29	29	29	29	0																		
LEIGH CREEK CANALS	4			5	5	10	10	10	10	10	10	10	5	10	10	10	10	10	10	10																	
LEIGH CREEK CANALS	5			10	12	12	12	12	12	12	10	10	10	10	10	10	10	10	10	10																	
LEIGH CREEK CANALS	6			10	10	10	10	10	10	10	10	10	10	8	8	8	8	8	7	7	6	0	2	2	2	2											
LEIGH CREEK CANALS	7			5	5	5	5	5	5	5	0			8	8	8	8	8	4	4	4	4	4	4													
TETON BASIN	8	81	81	129	131	142	126	100	101	65	85	123	143	161	154	139	125	113	79	47	72	39	24	20	16	13	13	6	6	5	5	5	5	5	5	5	
AT ST. ANTHONY (6)	9		50	50	79	81	87	78	62	62	40	52	76	87	99	95	86	77	70	49	29	44	24	15	12	10	8	8	4	4	3	3	3	3	3	3	
CREEK CANAL	10	0	1	45	40	42	0	0	38	39	37	36	36	34	32	30	28	26	0							0	16	1	0		0	12	13	12	10		
LINEOUS	11						2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	4	4	4	4	4	4	
ST. ANTHONY GAGE	12	0	51	95	119	123	89	80	102	103	79	90	114	123	133	127	116	105	72	51	31	46	26	17	14	12	27	13	8	8	7	19	20	19	53	54	
OUT FLOW	13	195	195	238	230	234	279	259	248	246	245	261	242	258	219	208	208	199	100	83	83	99	105	105	99	189	276	279	209	203	195	195	195	238	250	242	
BELOW DIVERSIONS	14	50	20	30	40	73	133	288	228	154	70	30	25	40	130	160	156	340	350	280	225	175	110	88	65	49	25	270	290	140	130	70	50	50	40	35	
	15																																				
IRIGATION	16		0	4	0	0	5	0								0	5	0																			
WILFORD	17																																				
WILFORD	18																																				
WILFORD	19		0	8	10	0																															
WILFORD	20		0	15	4	4	0																														
WILFORD	21			0	3	3	2	0			0	1	1	1	1	0																					
WILFORD	22			0	9	0																															
WILFORD	23		0	127	8	27	0			0	57	0	82	112	91	0																					
WILFORD	24								0	1	1	1	0	0	1	1	1	0	0	1	1	1	0		0	1	1	1	1	1	0						
WILFORD	25					0	3	3	0																												
WILFORD	26	2	5	1	3	0	2	8	6	3	0																										
WILFORD	27																																				
WILFORD	28																																				
WILFORD	29																																				
WILFORD	30		0	23	40	19	0																														
WILFORD	31																																				
WILFORD	32																																				
WILFORD	33	2	5	178	75	53	12	11	7	61	2	100	123	106	7	9	21	5	13	8	7	0	0	0	1	21	89	22	21	3	2	5	198	141	143		
WILFORD	34	2	56	273	194	176	101	91	109	164	81	190	237	229	140	136	137	110	85	59	38	46	26	17	15	33	116	35	29	11	9	24	188	160	195		

STORAGE DIVERSIONS FROM TE

24 HOUR SECOND- FEET EXCEPT AS

AUGUST

[illegible]

(1) FROM PALISADES WATER USERS

(6) LINE 8 DIVIDED BY 1.625 B LIST ONE DAY LATER

(2) FROM WATER DISTRICT NO. 38

(7) TRANSFER FROM TETON IRRIGATION

EPT 45 NOTED

SEPTEMBER

(9) TRANSFER FROM SOUTH LEIGH TO NORTH LEIGH

(S)REXBURG IRRIGATION & CITY OF R

TRANSFER TO FARMERS FRIEND CANAL

(5) REXBURG IRRIGATION & CITY OF REXBURG TREATED AS SINGLE CANAL

OPERATION OF CROSS CUT CANAL DURING 1966

PLATE NO. 23A

24 HOUR SECOND- FEET
MAY

LOCATION		24 HOUR																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	TOTAL
AT HEAD		0	0	38	76	89	103	114	104	99	111	122	115	107	106	108	107	110	113	245	372	378	380	383	383	385	352	346	370	370	373	374	6,333
FALL RIVER CANAL		0	0	0	0	0	0	0	20	35	35	35	36	37	38	38	39	40	40	36	33	34	35	36	38	40	78	115	115	116	117	118	1,304
DIVERSION		0	0	14	28	33	38	46	53	60	60	59	60	60	60	61	61	62	62	66	70	73	76	79	82	86	87	88	92	95	99	102	1,912
DIVERSION		0	0	24	48	56	65	68	71	74	86	98	91	84	84	85	85	88	91	95	100	104	108	113	116	120	128	136	134	132	131	130	2,745
FALL RIVER CANAL DIVERSIONS																			0	130	285	265	265	250	234	259	284	278	273	267	262	3,297	
AT END																			0	120	235	235	231	227	225	219	215	237	259	259	260	260	2,980

JUNE

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	
AT HEAD	350	353	424	452	389	351	353	394	391	398	415	401	395	398	386	392	389	394	344	359	348	344	254	240	243	280	267	260	291	377	10,612
FROM FALL RIVER CANAL	119	100	83	95	90	88	88	89	89	90	95	87	76	71	73	73	73	86	86	79	88	77	71	62	58	64	64	67	57	52	2,390
BRANCH DIVERSION	105	108	112	114	114	114	114	119	118	120	118	118	120	119	120	122	122	119	122	122	121	123	120	123	120	119	117	127	123	3,547	
BRANCH DIVERSION	128	133	139	134	125	130	132	131	131	136	111	111	105	103	95	84	98	100	92	108	106	101	102	99	95	105	107	105	122	117	3,385
FALL RIVER CANAL DIVERSIONS	256	270	283	312	224	211	212	266	259	262	294	289	265	252	262	273	277	242	207	215	216	205	177	60	60	86	88	85	180	236	6,404
AT END	236	212	256	299	240	195	195	238	230	234	279	259	248	248	245	261	242	258	219	208	208	199	100	83	83	99	105	105	99	189	6,070

JULY

LOCATION	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	TOTAL
AT HEAD	447	415	362	350	349	354	386	422	412	405	407	216	421	431	429	442	442	441	442	433	425	422	409	418	420	420	418	417	409	401	418	12,583
FROM FALL RIVER CANAL	43	48	42	39	37	38	31	30	27	34	31	94	19	16	27	30	45	48	64	49	60	55	65	58	60	58	59	63	50	56	76	1,452
BRANCH DIVERSION	100	104	102	101	99	103	102	104	94	99	99	0	96	104	108	103	103	103	103	106	106	107	104	102	100	103	103	103	102	102	3,068	
BRANCH DIVERSION	96	84	78	76	75	78	90	79	77	77	76	0	81	99	114	114	115	113	120	115	104	96	95	92	92	88	92	95	87	92	95	2,785
FALL RIVER CANAL DIVERSIONS	294	275	224	212	212	211	225	269	268	263	263	310	263	244	234	255	269	273	283	264	275	275	272	280	286	290	282	282	269	263	297	6,182
AT END	276	279	209	203	195	195	195	238	250	244	238	288	253	209	215	232	241	247	253	244	247	247	250	253	266	256	253	247	244	244	250	7,481

AUGUST

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	
AT HEAD	419	410	409	419	371	345	324	325	316	311	309	314	314	319	317	334	325	323	330	336	346	329	335	330	328	330	327	327	328	334	333	10,515
FROM FALL RIVER CANAL	59	57	57	60	59	58	60	56	56	55	44	36	36	22	23	16	16	19	20	19	21	28	25	26	26	21	23	12	25	25	28	1,088
BRANCH DIVERSION	99	100	100	98	96	96	95	96	96	95	95	97	96	95	92	97	94	94	90	90	90	94	94	95	96	97	96	95	96	88	91	2,943
BRANCH DIVERSION	92	87	83	83	79	84	91	90	91	92	92	91	91	89	86	86	79	80	71	71	70	56	59	59	56	59	59	61	65	59	63	2,374
FALL RIVER CANAL DIVERSIONS	287	280	283	298	255	223	198	195	185	179	166	162	163	157	162	167	168	168	189	194	207	207	207	202	195	195	183	190	212	207	6,286	
AT END	264	255	258	277	264	226	195	189	187	181	159	162	156	156	153	153	155	153	155	219	196	185	180	182	182	177	172	177	180	182	182	5,912

SEPTEMBER

LOCATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
AT HEAD	330	329	310	314	314	306	310	301	320	312	312	311	310	316	316	313	286	256	227	236	245	235	226	221	222	223	221	218	221	224	8,285
FROM FALL RIVER CANAL	34	36	36	28	37	38	40	41	32	21	22	28	28	28	28	34	32	34	36	34	33	34	34	33	32	31	31	31	31	32	972
BRANCH DIVERSION	91	92	91	94	96	96	95	95	98	95	96	96	91	88	88	83	80	78	77	76	75	66	57	56	56	55	52	49	52	56	2,370
BRANCH DIVERSION	70	72	69	66	66	64	64	63	57	55	55	55	55	61	61	57	54	52	49	48	48	48	48	44	44	45	45	45	45	45	1,650
FALL RIVER CANAL DIVERSIONS	203	201	186	182	189	184	191	184	197	183	183	188	192	195	195	207	184	180	137	146	155	155	155	155	155	155	155	155	155	155	5,237
AT END	180	169	172	169	169	168	171	168	171	168	168	168	163	165	198	171	131	130	129	128	127	136	146	145	145	145	145	145	143	141	4,673

SEASON LOSS = 2,310 + 29,406 = 7.88 %
TOTAL INTO TETON RIVER FOR SEASON

AUGUST																							
9	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

[illegible]

SEPTEMBER																	OCTOBER												
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

JACKSON LAKE AT MORAN, WYOMING

U. S. DEPARTMENT OF AGRICULTURE 16-40200-1

Year
or
Period

Mean

Acres-Fert

Plate No. 25

Year	Acres-Fert	Mean	Year	Acres-Fert	Mean	Year	Acres-Fert	Mean	Year	Acres-Fert	Mean

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	631.570	649.130	678.470	698.230	700.930	697.000	695.540	671.650	803.340	846.720	754.500	626.040
2	631.570	649.860	678.960	698.970	700.440	697.500	695.540	669.960	807.130	845.440	751.020	622.680
3	631.570	650.830	679.450	699.460	700.200	697.500	695.780	668.500	811.420	844.420	747.280	618.38
4	631.810	651.550	680.420	700.440	699.950	697.250	695.780	667.530	815.970	842.640	744.310	614.08
5	631.810	652.280	681.150	701.180	699.710	697.000	695.540	667.050	819.760	840.610	740.350	610.50
6	632.050	652.760	681.890	701.920	699.710	696.760	695.540	667.530	822.540	838.060	736.640	605.90
7	632.050	653.250	682.620	703.140	699.460	696.520	695.780	669.470	826.610	835.770	732.690	601.90
8	632.290	653.970	683.350	702.900	698.970	696.520	695.780	673.350	830.680	833.230	728.730	598.10
9	632.530	654.460	683.840	702.900	698.720	696.270	696.030	677.980	834.500	830.680	724.770	594.00
10	632.770	655.190	684.570	702.900	698.720	696.760	696.270	683.840	838.320	827.630	720.820	589.80
11	633.250	656.150	685.300	703.140	698.720	697.000	697.000	694.080	843.920	825.340	716.650	585.20
12	633.730	658.090	685.790	703.140	699.210	697.000	697.500	699.210	847.480	822.540	712.230	580.78
13	634.460	659.060	686.280	703.390	699.210	696.760	695.540	703.140	847.740	819.760	708.050	576.75
14	635.180	659.060	687.010	703.630	698.970	696.760	694.810	705.840	847.230	816.980	703.630	573.69
15	636.380	660.270	687.490	703.630	698.720	696.520	694.080	708.050	847.230	813.440	697.740	572.04
16	636.860	661.960	687.980	703.880	698.720	696.760	693.590	709.530	848.250	809.650	694.570	569.680
17	637.340	663.180	688.710	703.880	698.970	697.000	693.350	711.490	849.280	806.620	690.180	566.850
18	637.820	663.900	689.200	703.880	698.720	697.250	694.080	713.460	849.790	803.840	685.300	563.080
19	638.300	664.630	689.690	703.630	698.230	697.000	694.080	715.420	849.790	800.050	680.670	559.320
20	638.780	665.840	689.930	703.390	697.990	697.000	693.100	718.610	849.790	797.020	677.250	555.550
21	639.270	667.780	690.420	703.140	697.740	697.250	693.350	723.040	849.790	793.260	673.350	552.020
22	639.750	668.500	690.910	702.900	697.500	697.250	691.880	729.720	851.580	790.240	668.990	548.280
23	640.230	669.230	691.640	702.650	697.250	697.000	689.200	735.410	851.070	786.480	664.630	544.770
24	640.950	670.680	692.130	702.650	697.250	696.760	686.280	738.870	848.250	782.720	660.510	541.020
25	641.910	673.110	692.620	702.410	697.000	696.520	683.590	742.580	847.230	779.960	656.400	537.040
26	642.870	674.330	693.350	702.410	696.520	696.520	681.400	747.530	847.000	776.450	652.040	533.070
27	643.600	675.550	693.830	702.160	696.520	696.270	680.670	755.000	847.230	772.690	647.680	529.320
28	644.560	676.520	694.320	701.670	696.520	696.030	678.720	764.210	847.480	768.940	643.600	523.520
29	645.520	677.250	695.050	701.670	696.030	696.030	676.520	774.190	847.480	765.210	639.270	520.490
30	646.720	677.980	696.270	701.420	695.780	695.780	673.840	783.720	847.480	761.470	634.220	516.780
31	647.920	679.980	697.500	701.180	695.780	695.780	673.840	794.760	847.480	757.240	630.130	

Pattern

Y EAH

AOM-RENT

----- FIVE DAY

1361

PLATE NO. 20

[illegible]

U.S. GOVERNMENT PRINTING OFFICE: 1969 O-350-000

MEAN
ACRE-FOOT
ACRE-FOOT
ACRE-FOOT

341,960

Plate No. 27

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.
1	311 304 301 304	202 208 214 208	160 170 180 190	140 130 140 150	160 125 140 160	155 150 135 125	200 220 200 180	208 284 441 716	2,440 2,290 L,340 L,440	L,580 L,940 L,240 L,150	L,060 974 884 884	328 304 297 350
2	311 304 301 304	202 208 214 208	160 170 180 190	140 130 140 150	160 125 140 160	155 150 135 125	200 220 200 180	208 284 441 716	2,440 2,290 L,340 L,440	L,580 L,940 L,240 L,150	L,060 974 884 884	328 304 297 350
3	311 304 301 304	202 208 214 208	160 170 180 190	140 130 140 150	160 125 140 160	155 150 135 125	200 220 200 180	208 284 441 716	2,440 2,290 L,340 L,440	L,580 L,940 L,240 L,150	L,060 974 884 884	328 304 297 350
4	304 301 304 301	208 214 208 208	190 180 190 185	150 140 150 158	160 125 140 160	125 130 135 125	190 200 200 180	L,260 441 284 208	L,260 2,290 L,340 2,440	L,550 L,940 L,240 L,150	L,060 974 884 884	325 304 297 350
5	301 304 301 304	199 208 214 208	185 190 180 190	158 150 160 165	160 125 140 160	125 130 135 125	180 190 200 180	L,000 716 441 284	L,580 L,940 L,240 L,150	L,580 L,940 L,240 L,150	L,060 974 884 884	350 346 297 328
6	297 301 304 301	205 199 208 208	180 185 170 190	160 158 160 165	160 125 140 160	125 130 135 125	190 200 200 180	L,260 441 284 208	L,260 2,290 L,340 2,440	L,550 L,940 L,240 L,150	L,060 974 884 884	325 304 297 350
7	291 301 304 301	199 208 214 208	170 180 175 180	165 165 175 180	160 125 140 160	125 130 135 125	190 200 200 180	L,260 441 284 208	L,260 2,290 L,340 2,440	L,550 L,940 L,240 L,150	L,060 974 884 884	325 304 297 350
8	288 301 304 301	192 197 208 208	192 197 180 190	170 180 175 180	123 123 133 133	125 125 130 130	194 205 205 205	L,820 L,900 L,900 L,900	L,660 L,950 L,950 L,950	L,660 896 896 896	297 265 265 265	186 174 174 174
9	284 301 304 301	197 197 208 208	197 197 180 190	180 180 175 180	123 123 133 133	125 125 130 130	199 205 205 205	L,660 L,900 L,900 L,900	L,660 896 896 896	L,660 896 896 896	297 265 265 265	181 174 174 174
10	281 301 304 301	194 194 208 208	185 185 170 190	180 180 175 180	133 133 133 133	140 140 130 130	222 222 205 205	L,460 L,230 L,340 L,340	L,510 L,260 L,950 L,950	L,510 884 896 896	272 281 265 265	174 174 174 174
11	278 301 304 301	197 197 208 208	180 180 170 190	150 150 150 150	133 133 133 133	140 140 130 130	205 205 189 184	L,900 L,900 L,340 L,340	L,950 L,950 L,490 L,230	896 896 830 722	265 265 253 240	174 174 171 171
12	275 301 304 301	197 197 208 208	175 175 165 165	150 150 150 150	133 133 133 133	130 130 130 130	189 184 184 184	L,340 L,340 L,100 L,100	L,490 L,230 L,230 L,150	896 830 722 668	265 253 240 231	174 171 171 250
13	268 301 304 301	199 199 208 208	165 165 155 155	150 150 150 150	133 133 133 133	130 130 130 130	184 184 184 184	L,100 L,100 L,100 L,100	L,230 L,230 L,230 L,150	830 722 668 609	253 240 228 228	250 250 234 234
14	262 301 304 301	202 202 208 208	155 155 140 140	150 150 140 140	133 133 133 133	130 130 130 130	184 184 184 184	L,100 L,100 L,100 L,100	L,230 L,230 L,230 L,150	830 722 668 609	253 240 228 228	250 250 234 234
15	265 301 304 301	199 199 208 208	150 150 140 140	150 150 140 140	133 133 133 133	140 140 130 130	205 205 189 184	L,900 L,900 L,340 L,340	L,950 L,950 L,490 L,230	896 896 830 722	265 265 253 240	174 174 171 171
16	288 301 304 301	199 199 208 208	145 145 135 135	145 145 135 135	135 135 135 135	140 140 130 130	240 240 199 171	806 806 776 836	L,840 L,840 2,150 2,230	609 530 558 514	228 222 216 234	234 219 228 208
17	281 301 304 301	189 189 199 199	145 145 140 140	145 145 135 135	140 140 130 130	140 140 130 130	237 199 171 181	800 800 776 836	2,150 2,230 2,380 2,570	530 558 514 466	222 216 234 253	219 228 208 194
18	272 301 304 301	199 199 208 208	140 140 135 135	140 140 135 135	140 140 130 130	140 140 130 130	199 171 181 179	776 836 806 806	2,230 2,380 2,570 2,580	514 466 446 404	234 253 234 219	208 228 208 189
19	268 301 304 301	187 187 199 199	140 140 135 135	140 140 135 135	140 140 130 130	140 140 130 130	171 181 164 184	836 806 776 836	2,380 2,570 2,580 L,390	466 446 404 378	253 234 216 202	208 228 208 186
20	253 301 304 301	186 186 199 199	140 140 135 135	140 140 135 135	140 140 130 130	140 140 130 130	181 171 164 184	806 806 776 836	2,570 2,580 2,990 L,390	466 446 404 378	253 234 216 202	208 228 208 186
21	246 301 304 301	189 189 199 199	135 135 130 130	135 135 130 130	135 135 130 130	135 135 130 130	179 167 162 164	L,430 L,690 L,580 L,100	2,580 2,990 L,680 L,300	446 404 378 354	234 219 211 197	189 186 186 186
22	253 301 304 301	186 186 199 199	135 135 130 130	135 135 130 130	135 135 130 130	135 135 130 130	167 162 164 184	L,690 L,580 L,100 L,390	2,990 L,680 L,300 L,370	404 378 354 350	219 211 197 194	186 186 186 186
23	243 301 304 301	181 181 199 199	135 135 130 130	135 135 130 130	135 135 130 130	135 135 130 130	162 164 184 184	L,580 L,100 L,390 L,370	L,680 L,300 L,370 L,370	361 354 350 350	202 197 194 194	186 186 186 186
24	237 301 304 301	199 199 208 208	135 135 130 130	135 135 130 130	135 135 130 130	135 135 130 130	164 184 184 184	L,100 L,390 L,370 L,370	L,300 L,370 L,370 L,370	354 350 350 350	197 194 194 194	186 186 186 186
25	234 301 304 301	192 192 208 208	135 135 130 130	135 135 130 130	135 135 130 130	135 135 130 130	184 184 184 184	L,390 L,370 L,370 L,370	L,370 L,370 L,370 L,370	350 350 350 350	194 194 194 194	186 186 186 186
26	228 301 304 301	186 186 199 199	145 145 130 130	145 145 130 130	155 155 155 155	155 155 155 155	228 211 194 192	L,840 2,290 2,560 2,640	L,840 2,290 2,560 2,640	350 328 311 291	194 199 197 186	186 186 186 186
27	219 301 304 301	166 166 160 160	130 130 145 145	130 130 145 145	155 155 155 155	155 155 155 155	211 194 192 184	L,640 L,800 L,800 L,640	L,640 L,800 L,800 L,640	328 311 297 291	199 197 189 186	186 186 186 186
28	225 301 304 301	225 225 216 216	140 140 150 150	140 140 150 150	155 155 155 155	155 155 155 155	194 192 184 184	2,560 2,640 2,640 2,640	2,560 2,640 2,640 2,640	311 297 291 291	197 199 189 186	184 186 186 186
29	225 301 304 301	225 225 216 216	140 140 150 150	140 140 150 150	155 155 155 155	155 155 155 155	192 184 184 184	2,640 2,640 2,640 2,640	2,640 2,640 2,640 2,640	291 297 291 291	189 199 189 186	181 186 186 186
30	216 301 304 301	216 216 216 216	150 150 160 160	150 150 160 160	155 155 155 155	155 155 155 155	184 184 184 184	2,640 2,640 2,640 2,640	2,640 2,640 2,640 2,640	291 297 291 291	186 199 197 186	181 186 186 186
31	211 301 304 301	211 216 225 225	145 150 160 160	145 150 160 160	155 155 155 155	155 155 155 155	185 170 160 170	2,850 2,640 2,410 2,560	2,850 2,640 2,410 2,560	297 291 291 291	184 186 189 194	192 208 250 208

SHAKE RIVER ABOVE RESERVOIR NEAR ALPINE, WYOMING

YEAR
1900-1909

MEAN

AGREEMENT

2,813,080

3,886

Plate No. 26

Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	Mean
Year	1,662	1,690	1,681	3,258	9,345	9,440	5,564	4,350	4,054	241,200	

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	2,660	1,800	1,480	1,350	1,900	1,600	2,340	4,580	12,900	6,990	4,830	4,020
2	2,600	1,790	1,510	1,300	1,800	1,620	2,600	4,980	13,100	6,940	4,700	4,180
3	2,590	1,780	1,600	1,400	1,700	1,630	2,550	5,560	11,900	7,120	4,720	4,120
4	2,550	1,770	1,600	1,510	1,800	1,620	2,260	6,700	10,900	6,960	4,830	4,040
5	2,540	1,760	1,600	1,800	1,900	1,600	2,180	8,300	9,410	6,650	4,870	3,960
6	2,540	1,750	1,550	1,900	1,900	1,660	2,260	9,500	8,600	6,400	4,810	3,920
7	2,490	1,750	1,450	1,950	1,840	1,670	2,460	10,700	8,350	6,220	4,680	3,880
8	2,430	1,740	1,450	1,950	1,720	1,680	2,640	11,900	8,220	5,950	4,660	3,840
9	2,400	1,740	1,500	1,700	1,700	1,670	2,850	12,600	7,760	5,800	4,580	3,820
10	2,400	1,740	1,600	1,600	1,600	1,690	3,010	14,100	7,790	5,710	4,490	3,840
11	2,360	1,760	1,600	1,700	1,600	1,690	2,940	12,700	8,690	5,850	4,530	3,840
12	2,380	1,750	1,550	1,700	1,600	1,640	3,010	9,970	8,880	5,880	4,470	3,840
13	2,350	1,740	1,450	1,700	1,600	1,650	3,240	8,660	8,660	5,830	4,450	3,820
14	2,340	1,770	1,400	1,800	1,600	1,660	3,100	8,000	8,330	5,660	4,320	4,220
15	2,300	1,800	1,350	1,800	1,600	1,680	3,190	7,600	8,220	5,490	4,320	4,530
16	2,430	1,790	1,300	1,700	1,600	1,700	3,480	7,300	8,720	5,380	4,280	4,370
17	2,440	1,780	1,300	1,650	1,600	1,680	3,690	7,380	9,410	5,360	4,240	4,220
18	2,410	1,790	1,250	1,600	1,700	1,620	3,560	7,300	10,400	5,290	4,240	4,180
19	2,400	1,890	1,300	1,550	1,800	1,640	3,230	7,350	10,600	5,220	4,260	4,200
20	2,380	1,850	1,300	1,500	1,800	1,630	2,970	7,620	11,000	5,160	4,340	4,140
21	2,120	1,790	1,300	1,550	1,700	1,670	2,940	8,350	11,200	5,070	4,240	4,080
22	2,040	1,760	1,300	1,600	1,650	1,640	3,170	9,840	11,600	4,960	4,180	4,100
23	2,020	1,730	1,300	1,650	1,600	1,600	3,840	9,750	12,200	4,870	4,140	4,080
24	1,980	1,780	1,300	1,700	1,600	1,600	4,000	8,630	10,700	4,850	4,080	4,080
25	1,950	1,830	1,450	1,500	1,600	1,620	4,140	8,580	9,230	4,830	4,020	4,060
26	1,930	1,760	1,600	1,550	1,600	1,660	4,560	9,530	7,650	4,790	3,980	4,040
27	1,880	1,690	1,450	1,600	1,600	1,700	4,490	10,900	7,200	4,680	3,980	4,080
28	1,860	1,630	1,600	1,700	1,600	1,770	4,300	12,100	7,200	4,620	3,960	4,080
29	1,860	1,550	1,550	1,800	1,600	1,840	4,340	12,700	7,250	4,620	3,920	4,040
30	1,840	1,500	1,500	1,900	1,920	1,920	4,410	12,900	7,120	4,640	3,860	4,000
31	1,830	1,450	1,400	1,800	2,060	2,060	4,410	13,600	7,120	4,700	3,880	

Year	Mean	513	Plate No. 29
22,500	366	18,270	16,500
16,530	269	14,400	21,060
12,480	225	14,040	343
33,930	570	102,600	506
67,730	1,138	31,110	277

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug
31	314	314	240	270	240	220	490	830	1,830	724	314
30	414	318	270	240	250	220	541	1,000	1,700	704	326
29	404	322	290	255	210	220	468	1,200	1,570	672	390
28	399	314	320	265	225	220	404	1,420	1,470	646	440
27	394	309	297	285	235	210	389	1,580	1,300	628	450
26	389	314	282	301	235	215	425	1,740	1,220	603	440
25	389	309	264	290	236	215	490	2,000	1,210	590	420
24	384	301	275	264	200	215	559	2,180	1,180	578	400
23	384	301	247	244	215	215	628	2,090	1,170	565	380
22	384	305	297	244	220	214	659	2,890	1,210	547	370
21	375	305	290	245	220	204	605	2,350	1,440	547	365
20	375	305	275	245	220	204	560	1,880	1,200	536	355
19	371	309	268	245	220	208	560	1,710	1,090	518	350
18	371	309	250	244	220	214	570	1,600	1,080	501	330
17	366	314	244	227	220	220	596	1,420	1,110	490	322
16	366	322	230	224	220	227	691	1,340	1,130	473	301
15	366	318	225	214	220	214	704	1,250	1,130	473	282
14	366	322	225	214	230	214	659	1,240	1,130	462	271
13	366	352	225	210	240	204	578	1,340	1,070	446	264
12	366	326	225	205	240	204	512	1,340	1,070	446	261
11	352	318	225	200	235	211	501	1,520	1,040	446	257
10	352	305	225	200	220	218	478	1,760	1,100	446	250
9	348	305	230	205	220	186	473	1,540	1,010	435	250
8	343	330	240	210	220	195	507	1,360	928	430	254
7	335	322	270	190	220	204	609	1,420	871	425	280
6	330	301	320	195	220	224	750	1,630	824	415	275
5	330	300	320	224	220	247	671	1,830	797	405	272
4	330	310	322	220	220	279	634	1,980	776	390	275
3	326	309	295	230	230	314	684	2,000	756	380	277
2	322	240	240	240	-	343	710	2,120	736	375	282
1	322	230	230	230	230	404	2,070	2,070	380	282	244

SALT RIVER ABOVE RESERVOIR NEAR ETNA, WYOMING

YEAR
OR
PERIOD

MEAN

ACRE-FOOT

458,570

633

Plate No. 30

MEAN	ACRE-FOOT	YEAR OR PERIOD	MEAN	ACRE-FOOT
737	45,340	40,850	587	36,120
686	40,850	32,220	524	25,640
457	28,110	48,920	822	78,540
629	37,400	28,740	467	26,290
428	30,400			

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep
790	680	632	574	491	450	632	862	798	534	420	467
782	680	632	567	479	445	694	1,030	760	528	425	485
782	680	632	560	485	430	673	1,120	715	515	435	491
775	680	626	548	485	450	659	1,190	666	522	440	509
775	680	619	548	485	450	694	1,240	666	515	440	522
760	680	606	560	485	445	768	1,340	666	509	430	515
760	673	606	554	473	440	886	1,370	694	491	425	509
752	673	606	548	467	445	990	1,340	687	485	420	497
745	666	612	548	455	450	982	2,130	722	491	415	491
738	666	612	548	450	450	918	1,950	760	485	425	491
730	666	619	548	450	450	878	1,840	701	467	420	497
730	680	612	548	461	450	854	1,710	673	467	415	522
730	687	586	548	450	450	854	1,610	652	497	415	548
752	687	567	528	450	461	918	1,510	619	503	415	548
752	680	567	522	450	455	950	1,440	600	467	410	534
738	687	554	528	450	455	918	1,340	560	461	405	528
738	730	580	534	450	455	862	1,290	528	455	420	528
730	722	586	497	450	455	806	1,270	522	440	430	528
730	701	560	485	450	461	798	1,210	522	425	430	522
722	701	541	485	445	461	775	1,250	534	425	430	522
715	701	560	503	450	461	752	1,210	560	430	430	515
708	730	541	503	425	455	745	1,140	560	435	430	509
701	738	548	473	450	455	782	1,060	560	425	440	509
701	715	541	485	467	455	862	1,010	560	425	440	509
701	701	534	479	450	461	854	942	560	425	440	509
694	701	560	473	467	467	870	870	560	430	440	515
687	687	567	485	479	479	846	846	541	415	445	509
687	687	580	473	503	503	854	854	541	401	440	509
687	687	574	479	445	445	830	830	541	410	445	509

[illegible]

337 000 人

1994-1995

050 00

FILE NO. 2874

2,180	1,810	1,610	1,440	1,180	1,550	5,870	12,640	4,820	2,700	1,640	1,410
35.5	30.5	26.3	23.4	21.2	25.2	98.6	206	81.0	43.9	26.6	23.7

Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	39	30	30	23	22	20	79	131	137	56	36	29
2	39	30	30	25	22	20	88	163	129	55	55	30
3	37	30	30	24	22	20	72	217	121	54	54	28
4	37	30	30	29	24	20	70	233	108	52	52	26
5	37	30	30	29	24	20	75	242	104	49	49	25
6	37	30	30	25	21	20	90	256	104	49	49	24
7	36	30	30	28	21	20	92	270	90	48	48	25
8	36	30	30	28	21	20	88	250	83	46	46	25
9	36	30	30	27	20	19	73	236	72	44	44	25
10	37	30	30	24	20	21	104	214	70	42	42	26
11	37	30	30	25	20	17	104	311	90	48	48	26
12	37	30	30	25	20	19	92	270	83	46	46	25
13	37	30	30	24	20	19	88	250	77	44	44	25
14	37	32	32	24	20	21	104	214	72	43	43	25
15	37	33	32	25	23	22	131	208	70	42	42	26
16	37	32	32	25	23	22	147	200	68	42	42	26
17	36	33	32	24	22	20	124	192	68	42	42	26
18	36	35	35	24	22	20	108	192	66	42	42	29
19	36	35	32	24	22	21	94	192	63	42	42	32
20	36	30	26	24	22	20	88	192	61	43	43	28
21	35	30	24	22	21	20	83	195	61	42	42	27
22	35	30	25	22	21	24	81	180	60	40	40	26
23	33	30	25	22	20	25	83	168	61	40	40	25
24	33	33	26	22	21	25	101	163	61	40	40	25
25	33	33	25	22	22	20	121	161	60	37	37	25
26	32	30	25	22	22	26	161	163	58	36	36	25
27	32	30	29	24	22	40	163	163	58	35	35	25
28	32	32	24	22	22	44	161	161	56	33	33	24
29	32	32	24	22	22	52	156	156	55	33	33	24
30	32	32	24	22	22	52	149	149	55	36	36	25

$$= \frac{1}{2} \ln \frac{1}{2} = -0.3466$$

ИВАН Д

VCEB-4521

NVELIN

Plate No. 32

[illegible]

(contents in thousands of acre-feet)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1901	1.361	1.233	1.234	1.216	1.344	1.370	1.350	1.061	562
1902	1.360	1.233	1.234	1.215	1.348	1.367	1.344	988	550
1903	1.359	1.232	1.233	1.213	1.355	1.362	1.332	965	532
1904	1.358	1.232	1.232	1.212	1.358	1.357	1.325	953	522
1905	1.357	1.232	1.232	1.211	1.360	1.353	1.318	943	513
1906	1.356	1.232	1.232	1.210	1.362	1.349	1.310	932	504
1907	1.355	1.232	1.232	1.209	1.364	1.345	1.302	921	497
1908	1.354	1.232	1.232	1.208	1.367	1.341	1.292	911	490
1909	1.353	1.232	1.232	1.207	1.377	1.337	1.281	900	483
1910	1.352	1.232	1.232	1.206	1.381	1.336	1.272	889	476
1911	1.351	1.232	1.232	1.205	1.385	1.335	1.262	878	469
1912	1.350	1.232	1.232	1.204	1.389	1.335	1.251	867	462
1913	1.349	1.232	1.232	1.203	1.393	1.335	1.239	856	456
1914	1.348	1.232	1.232	1.202	1.397	1.335	1.228	845	453
1915	1.347	1.232	1.232	1.201	1.401	1.331	1.215	834	449
1916	1.346	1.232	1.232	1.200	1.405	1.330	1.203	822	450
1917	1.345	1.232	1.232	1.199	1.409	1.332	1.190	808	452
1918	1.344	1.232	1.232	1.198	1.413	1.334	1.177	792	454
1919	1.343	1.232	1.232	1.197	1.417	1.338	1.164	774	456
1920	1.342	1.232	1.232	1.196	1.421	1.342	1.151	757	459
1921	1.341	1.232	1.232	1.195	1.425	1.348	1.137	738	462
1922	1.340	1.232	1.232	1.194	1.429	1.356	1.123	720	465
1923	1.339	1.232	1.232	1.193	1.433	1.363	1.109	702	468
1924	1.338	1.232	1.232	1.192	1.437	1.367	1.097	684	470
1925	1.337	1.232	1.232	1.191	1.441	1.368	1.083	666	472
1926	1.336	1.232	1.232	1.190	1.445	1.367	1.069	648	473
1927	1.335	1.232	1.232	1.189	1.449	1.365	1.055	630	474
1928	1.334	1.232	1.232	1.188	1.453	1.362	1.041	612	472
1929	1.333	1.232	1.232	1.187	1.457	1.357	1.027	595	471
1930	1.332	1.232	1.232	1.186	1.461	1.342	1.014	578	471

U. S. GOVERNMENT PRINTING OFFICE 16-59006-1

01-11-1988

NEW!

44-38861-1000

4,867,500

6,723

Plate No. 33

Mass	4,169	3,504	3,663	2,789	2,972	2,342	3,444	13,170	12,370	12,570	12,400	6,895
Acres-	256,300	208,500	225,200	171,500	165,100	144,000	204,900	809,700	736,200	773,200	762,600	410,300

Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	4.600	3.650	3.600	2.580	2.920	3.050	2.190	5.420	17.400	17.790	12.500	13.100
2	4.290	3.610	3.620	2.530	2.920	3.030	2.200	5.600	17.700	17.900	12.300	13.100
3	4.250	3.630	3.600	2.550	2.970	3.080	1.930	6.620	16.700	17.900	12.300	12.200
4	4.400	3.570	3.600	2.550	2.960	3.070	2.430	8.480	15.700	17.800	11.800	11.600
5	4.100	3.610	3.580	2.550	2.960	3.070	2.230	10.500	14.900	17.800	11.800	11.600
6	4.300	3.530	3.640	2.540	2.940	3.060	2.310	12.700	14.000	17.800	11.800	11.600
7	4.390	3.550	3.660	2.530	2.960	3.070	2.220	14.600	13.500	17.800	11.800	11.600
8	4.290	3.570	3.680	2.520	2.960	3.070	1.980	15.900	13.500	17.900	11.100	11.100
9	4.400	3.550	3.690	2.520	2.950	3.090	1.950	16.800	13.200	17.200	11.000	11.000
10	4.380	3.510	3.690	2.530	2.950	2.200	1.930	17.700	13.000	17.500	11.100	11.100
11	4.400	3.490	3.690	2.810	2.950	2.190	1.920	18.300	12.700	17.600	11.000	11.000
12	4.400	3.510	3.690	2.840	2.970	2.010	2.030	18.300	12.200	17.600	11.000	11.000
13	4.400	3.510	3.680	2.890	2.950	2.010	2.060	18.300	11.400	17.700	11.000	11.000
14	4.400	3.490	3.710	2.910	2.950	1.980	2.040	18.300	11.400	17.800	11.000	11.000
15	4.420	3.490	3.660	2.910	2.970	2.030	2.030	18.300	11.800	17.900	11.100	11.100
16	4.050	3.470	3.690	2.910	2.960	2.010	2.230	15.200	12.300	17.100	11.100	11.100
17	4.100	3.470	3.700	2.900	2.970	1.980	2.270	11.500	12.300	17.100	11.100	11.100
18	4.410	3.450	3.680	2.910	2.970	1.980	3.050	11.100	12.200	17.100	11.100	11.100
19	4.400	3.450	3.730	2.910	2.950	1.960	4.880	11.100	11.900	17.100	11.100	11.100
20	4.100	3.450	3.720	2.900	2.980	1.990	5.380	11.100	11.600	17.100	11.100	11.100
21	4.100	3.450	3.700	2.930	2.980	1.990	5.400	11.100	11.200	17.100	11.100	11.100
22	3.870	3.430	3.720	2.930	3.000	2.040	5.400	11.100	11.000	17.100	11.100	11.100
23	3.890	3.410	3.650	2.940	3.000	2.150	5.380	11.100	10.300	17.100	11.100	11.100
24	3.890	3.450	3.660	2.940	3.000	1.980	5.380	12.500	9.360	17.100	11.100	11.100
25	3.910	3.410	3.670	2.910	3.040	2.270	5.380	14.100	9.070	17.100	11.100	11.100
26	3.940	3.430	3.700	2.920	3.030	1.990	5.380	13.500	9.170	17.100	11.100	11.100
27	3.630	3.560	3.690	2.920	3.040	1.550	5.500	13.100	9.490	17.100	11.100	11.100
28	3.850	3.540	3.690	2.910	3.060	2.200	5.380	13.100	10.000	17.100	11.100	11.100
29	3.890	3.500	3.700	2.930	--	2.230	5.450	13.100	10.800	17.100	11.100	11.100
30	3.890	3.390	3.570	2.930		2.220	5.400	14.300	11.400	12.800	13.500	5.910
31	3.890		3.480	2.920		2.040		15.400		12.600	13.100	

ВСТУП

NVELDV

ACRES-PLANT 2,500,000

282

100% 100% 100%

4,685	3,957	4,153	3,156	3,350	2,761	3,970	14,020	12,710	12,890	13,020	7,569
288,100	235,500	255,300	194,000	186,000	169,800	236,200	862,000	756,600	792,400	800,300	450,400

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CLAIMS

MAY

YOUNG-RENT

72,645

6.85

Plate No. 36

Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
1,210	1,770	1,560	1,460	1,510	2,060	3,100	4,060	11,870	9,450	4,410	186	
19.7	29.7	25.3	23.8	27.2	33.5	52.0	66.1	199	154	71.8	3.1	

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1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

16 JAN 83

[illegible]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep
1	102.800	90.100	81.600	85.080	105.080	121.200	131.040	153.350	132.950	121.580	67.040	25.980
2	102.800	89.600	81.540	85.680	105.700	121.960	131.280	153.910	132.790	120.740	65.500	25.740
3	102.730	89.030	81.660	86.480	106.260	122.340	131.280	154.640	132.790	119.380	63.950	25.520
4	102.660	88.530	81.780	87.220	106.820	122.720	131.280	155.040	132.630	117.890	62.380	25.200
5	102.390	87.900	81.960	88.030	107.460	123.100	131.280	155.280	132.070	116.630	61.220	24.860
6	102.520	87.410	82.140	88.780	108.090	123.560	131.360	155.360	131.040	115.080	60.080	24.540
7	101.920	86.850	82.200	89.470	108.800	124.090	131.360	155.200	130.010	113.480	58.740	24.160
8	101.370	86.360	82.320	90.040	109.370	124.780	131.520	155.120	129.300	111.450	57.380	23.390
9	100.820	85.750	82.440	90.600	109.940	125.400	131.590	155.200	128.680	109.370	56.060	22.220
10	100.360	85.200	82.620	91.180	110.520	125.860	131.910	155.770	128.280	107.320	54.720	21.080
11	99.680	84.660	82.740	91.880	111.090	126.560	132.310	155.450	128.280	105.080	53.280	19.980
12	99.140	84.300	82.910	92.640	111.740	127.030	132.310	155.770	127.810	102.800	51.930	18.900
13	98.810	83.950	83.090	93.290	112.380	127.500	132.310	155.450	127.260	100.900	50.610	17.880
14	98.080	83.570	83.150	94.000	113.040	128.120	132.230	155.040	126.960	98.740	49.280	16.960
15	97.610	83.270	83.270	94.650	113.700	128.520	132.230	154.960	126.330	96.680	47.960	16.300
16	97.220	82.850	83.390	95.300	114.200	129.060	132.390	154.880	125.710	94.720	46.320	15.670
17	96.750	82.440	83.510	95.960	114.790	129.540	132.550	154.320	124.860	92.770	45.280	14.890
18	96.290	82.200	83.570	96.560	115.380	130.170	132.710	153.990	123.940	90.800	44.000	14.130
19	95.700	82.380	83.630	97.220	115.890	130.240	132.550	153.750	123.250	88.960	42.660	13.240
20	95.300	82.260	83.690	97.880	116.410	130.320	132.550	153.590	122.490	87.160	41.420	12.400
21	96.290	82.260	83.690	98.400	116.850	130.320	132.550	153.590	121.580	85.120	40.190	11.540
22	95.960	82.200	83.570	99.010	117.440	130.400	132.470	153.670	121.800	83.570	38.940	10.700
23	95.300	82.080	83.390	99.680	118.040	130.320	132.470	153.590	122.790	81.840	37.640	9.880
24	94.720	82.080	83.270	100.360	118.560	130.640	132.390	153.430	123.560	80.140	36.500	9.100
25	94.060	82.020	83.210	100.960	119.010	130.640	132.470	153.350	123.780	78.400	35.290	8.340
26	93.480	81.960	83.270	101.500	119.540	130.640	132.870	153.350	124.160	76.650	33.860	7.620
27	92.960	81.960	83.270	102.180	120.140	130.720	132.950	153.430	124.320	74.860	32.540	6.920
28	92.320	81.900	83.090	102.730	120.660	130.800	133.030	153.270	124.240	73.150	31.090	6.240
29	91.740	81.900	83.510	103.350	130.960	130.960	133.190	153.190	122.790	71.480	29.810	5.590
30	91.180	81.780	103.900	---	130.960	133.030	133.110	153.110	122.790	69.860	28.500	5.520
31	90.660	84.420	83.510	104.460	131.040	130.960	133.030	153.030	122.790	68.410	27.180	5.520

[illegible]

CONCLUSIONS

NEW ON EAST

TABLE 1. *Continued*

060106C

151

AC 101 0287 E

Year	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
47,280	47,100	31,420	13,600	12,700	20,260	36,470	53,170	52,340	93,320	79,140	53,890	
769	792	511	221	229	329	613	865	880	1,518	1,287	906	

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Oct	595	595	589	589	589	706	812	818	812	818	818	812	818	824	818	818	818	818	818	247	548	866	866	872	872	872	872	884	890	884	
Nov	890	890	896	896	896	896	896	890	890	884	884	884	884	884	878	878	878	878	878	664	664	664	664	664	658	658	658	658	658	658	
Dec	568	501	496	496	496	496	491	491	491	491	491	491	491	491	491	496	496	496	558	605	605	605	605	610	610	610	610	610	219		
Jan	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	222	222	222	222	222	222	226	226	226	226	226	226	
Feb	226	226	226	226	226	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	--	
Mar	229	229	229	229	229	229	229	229	229	229	229	229	229	244	267	301	338	362	380	395	419	423	428	438	447	452	457	462	471	471	
Apr	486	496	501	506	511	516	521	536	552	589	632	637	632	626	632	648	658	669	658	648	767	772	778	762	756	740	706	706	701	718	
May	756	836	932	992	1010	1000	986	968	986	1030	1050	1060	1020	980	956	920	860	812	784	767	767	772	778	772	762	756	740	706	706	696	
June	679	679	674	701	1020	1050	1050	1020	1030	944	920	902	896	920	1010	1050	1230	1130	1050	1050	772	476	471	467	558	653	653	745	950	1060	
July	1330	1240	1160	1160	1240	1350	1350	1440	1520	1580	1580	1600	1590	1580	1560	1560	1560	1570	1580	1580	1580	1580	1600	1600	1620	1620	1620	1610	1610	1600	
Aug	1600	1580	1580	1450	1350	1350	1340	1340	1330	1320	1300	1280	1260	1240	1240	1210	1200	1190	1190	1190	1180	1170	1170	1160	1230	1260	1240	1240	1230	1220	
Sept	828	712	712	706	706	706	767	1110	1090	1080	1080	1060	1050	1050	1050	1030	1030	1020	1000	998	986	968	962	950	938	926	914	896	803	62	

LEAD

SOUTHEAST

A 1000-10000

1,164,500

809'1

Plate No. 39

Year	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
Area	101,500	101,500	84,420	62,150	53,860	69,010	97,960	127,700	102,000	138,900	123,600	101,900
Per cent	1.659	1.705	1.373	1.011	970	1,122	1,646	2,076	1,713	2,259	2,010	1,712

[illegible]

U. S. GOVERNMENT PRINTING OFFICE: 1965-50000-1

COLONY

MEAN

A CHEM-TEST

Plate No. 40

[illegible]

* interpolated

[illegible]

NORTH FORK SQUIRREL CREEK NEAR SQUIRREL, IDAHO

YEAR
OR
PERIOD

MEAN

ACRES-PLANT

4,441

6.13

Plate No. 41

YEAR	ACRES-PLANT	MEAN
2,52	4.07	2.22
137	1.98	122
127	2.28	164
772	13.0	652
890	15.0	568
297	4.82	315

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Oct	2.2	2.1	2.1	2.0	2.0	1.9	1.8	1.7	1.7	1.7	1.9	2.6	2.8	2.8	3.1	3.2	3.1	3.4	3.6	2.9	2.6	2.5	2.6	2.7	2.6	2.6	2.6	2.7	2.7	2.7	
Nov	2.7	2.7	2.8	3.1	3.4	3.2	3.1	3.4	2.9	3.1	3.4	3.4	3.2	3.2	3.9	6.2	5.6	7.8	7.5	5.9	4.5	3.9	3.9	2.7	3.9	3.7	3.3	3.0	3.0	3.0	
Dec	3.1	3.2	3.4	3.2	3.2	3.2	3.2	3.2	2.8	2.6	2.4	2.0	2.0	2.0	1.8	1.7	1.7	1.7	1.7	2.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
Jan	1.8	1.8	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
Feb	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	2.0	2.3	2.6	2.8	2.8	2.9	3.0	2.8	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Mar	2.4	2.3	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.2	2.4	2.5	3.0	3.1	3.2	3.3	2.7	2.5	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	
Apr	6.0	6.5	7.5	8.6	5.6	5.6	5.6	5.6	7.1	8.2	8.6	8.6	7.5	8.6	12	15	20	24	19	18	18	10	9.0	11	15	21	28	28	19	18	22
May	3.4	4.0	2.8	1.7	1.1	8.6	7.1	6.2	6.5	1.3	1.6	1.6	8.6	7.1	6.5	7.8	5.6	5.1	5.9	6.2	6.5	6.8	8.2	7.8	6.8	6.5	6.5	6.2	6.5	8.6	
June	8.2	6.5	5.9	7.8	1.9	1.9	1.9	2.0	2.0	2.1	2.4	2.4	2.0	1.6	1.4	1.4	1.5	1.5	1.6	1.6	1.5	1.5	1.7	1.5	1.4	1.0	8.6	7.8	1.9	1.6	1.5
July	1.5	1.6	1.6	1.6	1.4	1.3	1.2	1.1	1.1	1.0	1.1	1.1	9.3	8.6	10	9.7	9.0	7.8	7.8	7.8	7.8	7.5	7.8	6.2	6.8	7.1	6.2	5.4	5.6	4.5	5.1
Aug	6.8	5.4	5.6	5.6	6.5	5.1	5.9	5.1	4.5	3.9	4.1	3.8	3.9	4.1	3.9	3.9	3.2	3.8	4.5	5.4	6.5	6.5	6.2	5.6	5.4	5.1	5.4	4.8	3.9	3.8	3.4
Sept	3.5	3.9	3.6	3.6	3.6	3.4	3.1	2.9	2.8	2.9	3.2	3.2	3.4	3.2	3.5	2.6	1.8	9.7	7.5	6.2	3.9	3.6	3.6	3.6	3.8	3.8	3.9	3.8	3.9	3.6	3.6

[illegible]

45-41437-10

NINE IN

WCHB-TV

077-954

799

2000 5181 Y

[illegible]

Day	Oct	Nov	Dec	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	630	536	505	476	444	430	550	788	1.880	585	411	416
2	692	536	510	463	439	425	578	1.020	1.700	585	515	416
3	692	529	515	470	433	415	496	1.550	1.610	529	615	411
4	676	522	520	496	439	420	482	1.740	1.350	456	529	411
5	676	522	520	502	440	420	502	1.820	1.290	444	515	411
6	676	515	520	482	435	422	529	1.880	1.380	444	496	411
7	668	515	515	482	435	433	571	2.060	1.420	456	476	411
8	660	515	515	476	430	428	622	2.090	1.390	450	463	411
9	660	515	515	463	428	433	622	2.390	1.500	444	428	422
10	660	522	515	463	428	422	638	2.320	1.830	456	416	433
11	652	550	510	482	425	422	585	1.760	1.490	456	416	439
12	652	543	510	476	422	416	564	1.520	1.040	444	400	422
13	652	564	505	475	428	428	571	1.470	981	456	394	444
14	652	622	495	470	416	433	622	1.360	1.030	482	394	578
15	660	608	490	444	420	439	700	1.270	1.140	529	394	502
16	660	652	485	440	425	428	764	1.270	1.430	550	400	463
17	652	600	485	440	425	428	700	1.270	1.430	550	400	463
18	638	638	485	435	425	411	700	1.270	1.580	543	400	463
19	652	652	485	432	430	411	638	1.310	1.650	529	405	444
20	592	608	485	430	430	411	592	1.400	1.970	496	411	428
21	578	585	485	433	430	422	608	1.570	1.970	482	405	411
22	571	564	485	444	425	416	571	1.750	1.920	489	405	405
23	564	557	485	444	425	400	571	1.540	2.100	489	405	405
24	564	557	485	450	422	400	564	1.360	1.150	482	400	405
25	564	564	485	428	428	405	660	1.400	927	502	394	405
26	557	543	485	450	433	428	852	1.560	918	470	394	405
27	550	529	485	455	433	450	780	1.790	945	470	400	411
28	550	522	490	460	433	463	708	1.920	876	470	405	411
29	543	508	496	455	433	482	684	2.050	692	463	416	411
30	543	500	496	444	433	496	2.040	2.040	608	564	416	405
31	536		476	444		515	2.080			668		

FIELD

MEAR

ACRE-RENT.

537

389,090

PLATE No. 43

34,230	27,110	33,670	30,600	26,600	31,250	41,760	95,510	50,440	4,630	3,630	9,630
557	456	548	498	479	508	702	1,553	848	75.3	59.1	162

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	526	416	515	480	826	1480	175	175	30
2	570	410	515	477	834	1260	210	96	51
3	592	410	520	465	631	1020	127	185	70
4	600	410	570	460	623	869	92	130	74
5	592	410	570	475	647	759	44	122	81
6	592	410	570	475	655	800	37	117	76
7	592	405	570	475	687	860	48	102	72
8	585	410	570	470	727	852	48	98	72
9	592	400	570	515	695	2370	41	54	79
10	600	395	570	510	735	2560	47	33	110
11	592	422	570	470	639	1960	74	25	141
12	592	428	565	465	600	1610	47	24	112
13	592	434	555	465	600	1510	33	22	127
14	592	440	550	460	647	1430	47	22	335
15	600	498	540	450	751	1280	70	21	355
16	615	498	535	460	834	1240	87	23	274
17	608	470	530	470	775	1180	85	23	253
18	608	505	530	480	687	1080	110	28	237
19	647	540	530	500	631	1260	63	54	221
20	592	505	530	470	464	1260	63	54	221
21	555	498	530	470	655	1420	51	60	203
22	548	484	530	475	615	1600	47	52	188
23	540	477	530	480	600	1490	46	47	185
24	533	477	530	470	585	1170	50	38	185
25	526	491	530	470	663	1080	63	30	175
26	505	484	530	475	869	1190	57	29	199
27	458	477	540	480	878	1390	46	30	221
28	428	480	560	485	767	1490	38	27	214
29	428	490	550	490	743	1600	32	26	218
30	428	500	540	490	727	1660	41	29	218

HERREYS FORK AT ST. ANTHONY, IDAHO

Year
or
Period
Mean
Acres-Feet
1,110,060
1,533

Plate No. 44

Year	1,817	1,931	1,675	1,467	1,470	1,538	1,825	2,253	1,154	984	1,091	1,187
Acres-Feet	111,700	114,900	103,000	90,230	81,660	94,590	108,600	138,500	68,640	60,530	67,060	70,650

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Dec.	1,560	1,580	1,600	1,610	1,610	1,660	1,660	1,620	1,600	1,610	1,640	1,580	1,580	1,540	1,540	1,500	1,560	1,480	1,500	1,850	1,810	1,800	1,800	1,800	1,810	1,850	1,850	1,850	1,850	2,080	2,030
Nov.	2,030	2,000	2,010	2,010	1,980	1,960	1,940	1,930	1,930	1,910	1,960	1,980	1,960	2,030	2,130	2,080	2,100	2,150	2,030	1,850	1,810	1,800	1,800	1,800	1,810	1,850	1,850	1,850	2,000	2,030	2,080
Oct.	1,560	1,580	1,600	1,610	1,610	1,660	1,660	1,620	1,600	1,610	1,640	1,580	1,580	1,540	1,540	1,500	1,560	1,480	1,500	1,850	1,810	1,800	1,800	1,800	1,810	1,850	1,850	1,850	1,850	2,000	2,030
Sept.	1,400	1,370	1,500	1,490	1,480	1,540	1,550	1,520	1,480	1,440	1,440	1,390	1,340	1,400	1,440	1,400	1,400	1,430	1,500	1,370	1,300	1,430	1,400	1,400	1,390	1,350	1,500	1,480	1,480	1,480	1,480
Aug.	1,550	1,540	1,500	1,490	1,480	1,440	1,440	1,430	1,450	1,480	1,500	1,400	1,430	1,400	1,520	1,500	1,520	1,550	1,500	1,480	1,460	1,620	1,680	1,680	1,560	1,560	1,620	1,680	1,780	1,810	1,840
July	1,520	1,540	1,400	1,370	1,450	1,960	1,960	1,800	1,760	1,800	1,960	1,800	1,700	1,730	1,800	1,930	2,060	1,980	1,760	1,500	1,680	1,730	1,610	1,760	1,800	1,500	1,420	1,300	1,480	1,600	1,550
June	1,860	2,120	2,490	2,860	3,030	3,030	3,030	3,030	3,140	3,540	4,120	3,250	2,740	2,530	2,480	2,240	2,080	1,930	1,720	1,600	1,610	1,830	1,500	1,300	1,290	1,300	1,420	1,300	1,480	1,600	1,550
May	1,400	1,170	1,060	926	938	1,090	1,120	1,210	1,210	1,250	1,500	1,520	1,110	938	880	962	1,200	1,550	1,550	1,720	1,720	1,830	1,500	1,300	962	1,030	1,420	800	790	810	710
April	850	1,110	986	890	830	860	820	890	914	962	974	1,140	1,050	1,060	1,060	986	986	974	1,010	998	962	1,070	1,060	1,050	1,030	1,030	986	1,030	974	974	1,270
March	1,400	1,290	1,230	1,370	1,160	1,130	1,140	1,080	1,030	1,010	950	950	950	962	986	986	986	974	1,030	1,070	1,070	1,070	1,070	1,050	1,030	1,030	986	1,110	1,130	1,140	1,160
Feb.	1,400	1,290	1,230	1,370	1,160	1,130	1,140	1,080	1,030	1,010	950	950	950	962	986	986	986	974	1,030	1,070	1,070	1,070	1,050	1,030	1,030	1,030	986	1,110	1,130	1,140	1,160
Jan.	1,400	1,290	1,230	1,370	1,160	1,130	1,140	1,080	1,030	1,010	950	950	950	962	986	986	986	974	1,030	1,070	1,070	1,070	1,050	1,030	1,030	1,030	986	1,110	1,130	1,140	1,160
Dec.	1,400	1,290	1,230	1,370	1,160	1,130	1,140	1,080	1,030	1,010	950	950	950	962	986	986	986	974	1,030	1,070	1,070	1,070	1,050	1,030	1,030	1,030	986	1,110	1,130	1,140	1,160
Nov.	1,400	1,290	1,230	1,370	1,160	1,130	1,140	1,080	1,030	1,010	950	950	950	962	986	986	986	974	1,030	1,070	1,070	1,070	1,050	1,030	1,030	1,030	986	1,110	1,130	1,140	1,160
Oct.	1,400	1,290	1,230	1,370	1,160	1,130	1,140	1,080	1,030	1,010	950	950	950	962	986	986	986	974	1,030	1,070	1,070	1,070	1,050	1,030	1,030	1,030	986	1,110	1,130	1,140	1,160
Sept.	1,400	1,290	1,230	1,370	1,160	1,130	1,140	1,080	1,030	1,010	950	950	950	962	986	986	986	974	1,030	1,070	1,070	1,070	1,050	1,030	1,030	1,030	986	1,110	1,130	1,140	1,160
Aug.	1,400	1,290	1,230	1,370	1,160	1,130	1,140	1,080	1,030	1,010	950	950	950	962	986	986	986	974	1,030	1,070	1,070	1,070	1,050	1,030	1,030	1,030	986	1,110	1,130	1,140	1,160
July	1,400	1,290	1,230	1,370	1,160	1,130	1,140	1,080	1,030	1,010	950	950	950	962	986	986	986	974	1,030	1,070	1,070	1,070	1,050	1,030	1,030	1,030	986	1,110	1,130	1,140	1,160
June	1,400	1,290	1,230	1,370	1,160	1,130	1,140	1,080	1,030	1,010	950	950	950	962	986	986	986	974	1,030	1,070	1,070	1,070	1,050	1,030	1,030	1,030	986	1,110	1,130	1,140	1,160
May	1,400	1,290	1,230	1,370	1,160	1,130	1,140	1,080	1,030	1,010	950	950	950	962	986	986	986	974	1,030	1,070	1,070	1,070	1,050	1,030	1,030	1,030	986	1,110	1,130	1,140	1,160
April	1,400	1,290	1,230	1,370	1,160	1,130	1,140	1,080	1,030	1,010	950	950	950	962	986	986	986	974	1,030	1,070	1,070	1,070	1,050	1,030	1,030	1,030	986	1,110	1,130	1,140	1,160
March	1,400	1,290	1,230	1,370	1,160	1,130	1,140	1,080	1,030	1,010	950	950	950	962	986	986	986	974	1,030	1,070	1,070	1,070	1,050	1,030	1,030	1,030	986	1,110	1,130	1,140	1,160
Feb.	1,400	1,290	1,230	1,370	1,160	1,130	1,140	1,080	1,030	1,010	950	950	950	962	986	986	986	974	1,030	1,070	1,070	1,070	1,050	1,030	1,030	1,030	986	1,110	1,130	1,140	1,160
Jan.	1,400	1,290	1,230	1,370	1,160	1,130	1,140	1,080	1,030	1,010	950	950	950	962	986	986	986	974	1,030	1,070	1,070	1,070	1,050	1,030	1,030	1,030	986	1,110	1,130	1,140	1,160

LEIGH CREEK NEAR DRIGGS, IDAHO

Year
2006
Mean
285

Plate No. 45

Year	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576	1575	1574	1573	1572	1571	1570	1569	1568	1567	1566	1565	1564	1563	1562	1561	1560	1559	1558	1557	1556	1555	1554	1553	1552	1551	1550	1549	1548	1547	1546	1545	1544	1543	1542	1541	1540	1539	1538	1537	1536	1535	1534	1533	1532	1531	1530	1529	1528	1527	1526	1525	1524	1523	1522	1521	1520	1519	1518	1517	1516	1515	1514	1513	1512	1511	1510	1509	1508	1507	1506	1505	1504	1503	1502	1501	1500	1499	1498	1497	1496	1495	1494	1493	1492	1491	1490	1489	1488	1487	1486	1485	1484	1483	1482	1481	1480	1479	1478	1477	1476	1475	1474	1473	1472	1471	1470	1469	1468	1467	1466	1465	1464	1463	1462	1461	1460	1459	1458	1457	1456	1455	1454	1453	1452	1451	1450	1449	1448	1447	1446	1445	1444	1443	1442	1441	1440	1439	1438	1437	1436	1435	1434	1433	1432	1431	1430	1429	1428	1427	1426	1425	1424	1423	1422	1421	1420	1419	1418	1417	1416	1415	1414	1413	1412	1411	1410	1409	1408	1407	1406	1405	1404	1403	1402	1401	1400	1399	1398	1397	1396	1395	1394	1393	1392	1391	1390	1389	1388	1387	1386	1385	1384	1383	1382	1381	1380	1379	1378	1377	1376	1375	1374	1373	1372	1371	1370	1369	1368	1367	1366	1365	1364	1363	1362	1361	1360	1359	1358	1357	1356	1355	1354	1353	1352	1351	1350	1349	1348	1347	1346	1345	1344	1343	1342	1341	1340	1339	1338	1337	1336	1335	1334	1333	1332	1331	1330	1329	1328	1327	1326	1325	1324	1323	1322	1321	1320	1319	1318	1317	1316	1315	1314	1313	1312	1311	1310	1309	1308	1307	1306	1305	1304	1303	1302	1301	1300	1299	1298	1297	1296	1295	1294	1293	1292	1291	1290	1289	1288	1287	1286	1285	1284	1283	1282	1281	1280	1279	1278	1277	1276	1275	1274	1273	1272	1271	1270	1269	1268	1267	1266	1265	1264	1263	1262	1261	1260	1259	1258	1257	1256	1255	1254	1253	1252	1251	1250	1249	1248	1247	1246	1245	1244	1243	1242	1241	1240	1239	1238	1237	1236	1235	1234	1233	1232	1231	1230	1229	1228	1227	1226	1225	1224	1223	1222	1221	1220	1219	1218	1217	1216	1215	1214	1213	1212	1211	1210	1209	1208	1207	1206	1205	1204	1203	1202	1201	1200	1199	1198	1197	1196	1195	1194	1193	1192	1191	1190	1189	1188	1187	1186	1185	1184	1183	1182	1181	1180	1179	1178	1177	1176	1175	1174	1173	1172	1171	1170	1169	1168	1167	1166	1165	1164	1163	1162	1161	1160	1159	1158	1157	1156	1155	1154	1153	1152	1151	1150	1149	1148	1147	1146	1145	1144	1143	1142	1141	1140	1139	1138	1137	1136	1135	1134	1133	1132	1131	1130	1129	1128	1127	1126	1125	1124	1123	1122	1121	1120	1119	1118	1117	1116	1115	1114	1113	1112	1111	1110	1109	1108	1107	1106	1105	1104	1103	1102	1101	1100	1099	1098	1097	1096	1095	1094	1093	1092	1091	1090	1089	1088	1087	1086	1085	1084	1083	1082	1081	1080	1079	1078	1077	1076	1075	1074	1073	1072	1071	1070	1069	1068	1067	1066	1065	1064	1063	1062	1061	1060	1059	1058	1057	1056	1055	1054	1053	1052	1051	1050	1049	1048	1047	1046	1045	1044	1043	1042	1041	1040	1039	1038	1037	1036	1035	1034	1033	1032	1031	1030	1029	1028	1027	1026	1025	1024	1023	1022	1021	1020	1019	1018	1017	1016	1015	1014	1013	1012	1011	1010	1009	1008	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1999

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FILE NO. 50

41,160	34,130	26,260	23,850	20,770	28,640	41,230	77,950	66,990	50,670	41,230	37,660
669	574	427	388	374	466	693	1,268	1,126	824	670	633

Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug
1	782	577	460	380	390	370	L160	494	L470	L080	828
2	738	570	465	385	394	384	L230	513	L320	L080	638
3	752	558	470	390	398	374	L180	723	L240	775	658
4	745	564	475	395	384	350	701	910	L050	828	651
5	708	558	500	405	394	360	775	895	L040	775	624
6	701	551	458	408	394	375	850	872	L040	723	617
7	672	544	463	408	379	389	805	880	L100	708	617
8	672	538	463	408	375	384	835	872	L140	694	610
9	672	544	463	405	375	398	716	842	L170	672	604
10	658	544	463	400	370	408	708	842	L290	658	604
11	644	558	482	398	370	398	723	872	L250	644	610
12	658	564	482	398	365	398	687	828	L100	631	617
13	638	564	482	398	360	419	617	723	L040	617	644
14	631	570	465	398	360	446	577	760	L070	617	805
15	644	590	446	398	355	452	570	768	L130	610	828
16	631	584	424	398	360	424	570	768	L170	610	716
17	665	584	414	370	360	424	570	782	L170	604	658
18	672	631	405	370	360	394	617	782	L200	604	658
19	658	644	394	360	379	398	564	790	L160	638	624
20	708	638	370	350	384	398	564	768	L200	651	624
21	775	638	350	360	384	398	564	760	L260	644	617
22	701	597	355	370	374	384	624	745	L160	644	610
23	694	570	360	370	365	389	604	782	L070	631	610
24	687	597	360	360	365	389	544	760	L070	624	604
25	658	624	365	360	360	519	544	985	985	624	604
26	597	610	370	380	379	519	544	948	948	617	597
27	597	577	409	410	379	687	570	918	918	617	597
28	584	544	430	400	360	768	506	925	925	617	590
29	584	500	400	400	390	812	506	940	940	617	584
30	584	463	400	390	390	812	506	940	940	617	584
31	584	463	400	390	390	812	506	940	940	617	584

1994

ACME-BEST

01545574

Place No. 47

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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	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
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Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.260	1.990	1.740	2.680	1.720	1.080	585	1.530	1.070
2	2.230	1.960	1.760	2.720	1.720	857	890	1.360	1.050
3	2.240	1.940	1.690	2.730	1.860	685	938	1.310	857
4	2.260	1.870	1.590	2.170	2.220	605	890	1.430	879
5	2.250	1.930	1.760	2.100	2.220	635	730	1.170	846
6	2.260	1.930	1.760	2.110	2.260	736	665	1.170	818
7	2.310	1.900	1.760	2.120	2.310	902	580	1.120	774
8	2.460	1.900	1.790	2.140	2.420	585	992	992	908
9	2.420	1.850	1.800	2.140	2.510	980	605	920	986
10	2.380	1.830	1.840	2.220	3.190	1.150	670	840	992
11	2.330	1.760	1.800	2.190	3.740	1.580	764	818	1.080
12	2.420	1.780	1.750	2.070	3.060	1.410	868	840	1.090
13	2.480	1.680	1.770	2.010	2.460	992	791	868	1.110
14	2.480	1.610	1.870	1.950	2.220	769	802	857	1.450
15	2.470	1.710	1.870	1.990	1.990	670	705	868	2.010
16	2.470	1.670	1.950	2.060	1.720	700	655	879	2.050
17	2.470	1.780	1.830	2.130	1.550	1.020	685	884	1.970
18	2.480	1.870	1.800	2.050	1.340	700	700	950	1.950
19	2.500	1.940	1.810	2.050	1.480	720	1.020	1.910	1.910
20	2.560	1.920	1.820	1.910	1.150	1.670	690	1.900	1.900
21	2.410	1.970	1.820	1.820	1.710	1.070	1.900	1.860	1.900
22	1.800	1.860	1.870	1.840	1.710	700	700	1.790	1.790
23	2.320	1.700	1.770	1.810	1.430	1.710	685	1.750	1.750
24	2.370	1.780	1.820	1.760	1.260	1.420	758	1.720	1.720
25	2.380	1.820	1.830	1.720	962	1.120	764	1.620	1.620
26	2.500	1.830	1.940	1.870	813	890	786	1.640	1.640
27	2.550	1.890	2.050	2.100	802	824	769	1.640	1.640
28	2.480	1.890	2.320	1.970	835	695	715	1.610	1.610
29	2.470	2.320	2.400	1.820	926	665	700	1.570	1.570
30	2.500	2.000	2.400	1.040	640	695	1.080	1.080	1.080
31	2.480	1.990	2.480	1.060	830	1.080	1.080	1.080	1.080

1-507005-01 POLAROID PHOTOGRAPH UNIT, 3 1/2"

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

THE NEW YORK PUBLIC LIBRARY

18,740	11,590	5,820	4,930	2,990	8,780	15,550	9,520	6,570	2,620	3,180	5,210
305	195	94.7	80.2	53.9	143	261	155	110	42.6	51.6	87.6

[illegible]

BLACKFOOT RIVER BYPASS NEAR BLACKFOOT, IDAHO

U. S. GOVERNMENT PRINTING OFFICE 16-50006-1

YEAR
OR
PERIOD

MEAN

ACQUA-FERT 30.182

41.7

Place No. 50

Year	Mean	Acqua-Fert	Year	Mean	Acqua-Fert
257	42.6	3.3	0	5	0
15,770	2,540	202	28	0	518
					6,450
					3,230
					520
					432
					18
					474
					8.0

Year	Mean	Acqua-Fert	Year	Mean	Acqua-Fert
257	42.6	3.3	0	5	0
15,770	2,540	202	28	0	518
					6,450
					3,230
					520
					432
					18
					474
					8.0

SHAKE RIVER NEAR BLACKFOOT, IDAHO

U. S. DEPARTMENT OF AGRICULTURE BUREAU OF PLANT INDUSTRY

YEAR
1908
-OF-
PERIOD
3 MONTHS

MEAN
4,180
ACRE-FOOT
3,026,460

PLATE NO. 51

MEAN	ACRE-FOOT	PERIOD	YEAR
4,096	4,874	5,775	4,415
251,900	290,000	355,100	271,500
253,400	252,500	4,106	4,562
287,900	378,600	6,157	4,838
134,500	2,260	1,461	4,804
89,860	295,400	165,800	2,787

DATE	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
Dec.	4,280	4,500	4,480	4,380	4,280	4,240	4,160	4,140	4,220	4,080	3,930	3,550	3,460	3,510	3,590	3,760	3,780	3,720	3,700	3,890	4,100	4,260	4,040	4,180	4,340	4,360	4,380	4,500	4,300	4,460	4,420
Nov.	4,380	4,380	4,010	3,850	3,990	4,360	4,260	4,180	4,180	4,200	4,280	4,440	4,650	4,920	4,960	5,210	5,380	5,440	5,510	5,650	5,700	5,650	5,550	5,340	5,260	5,230	5,230	5,260	5,360	5,420	
Oct.	4,770	4,810	4,770	4,750	4,790	4,750	4,750	4,710	4,560	4,200	4,010	4,500	4,240	3,930	4,140	4,060	4,540	4,020	4,900	5,110	4,810	4,690	4,600	4,540	4,520	4,560	4,580	4,600	-	4,600	
Sept.	4,670	4,650	4,580	4,380	4,010	3,870	5,070	4,860	4,690	4,860	4,900	4,180	3,970	3,760	3,800	3,970	3,970	3,840	3,700	3,550	3,550	3,550	5,930	5,990	5,510	3,550	3,840	3,870	3,930	4,460	4,600
Aug.	4,960	5,090	5,170	5,040	4,670	4,600	4,400	4,440	4,440	4,160	4,300	4,360	4,220	4,060	3,930	3,780	3,740	4,120	4,300	5,400	6,140	5,930	5,990	5,510	3,550	3,840	3,870	3,930	4,460	4,600	4,600
July	3,990	3,390	2,460	1,940	2,060	3,420	4,690	6,330	7,270	8,770	11,900	13,900	14,600	14,700	14,700	14,600	13,600	8,100	6,100	5,110	3,910	2,130	2,050	2,490	2,740	2,200	1,600	1,100	530	233	1,70
June	2,510	3,230	4,900	5,280	4,920	4,580	3,250	2,380	2,070	2,090	2,130	2,740	3,220	2,560	1,090	584	458	660	1,510	2,400	2,130	826	1,020	2,050	2,490	2,640	2,540	2,040	6,700	6,470	6,440
May	246	1,260	2,810	3,840	3,660	2,600	1,620	1,010	494	295	366	639	578	746	681	618	842	1,280	1,200	922	6,860	7,300	6,980	7,050	7,020	6,700	6,900	6,860	6,470	6,440	6,440
April	3,550	4,140	4,440	4,340	4,440	4,480	4,220	4,010	3,460	2,890	2,630	2,580	3,100	3,530	3,700	3,220	3,060	3,030	3,200	5,610	6,860	1,760	1,490	946	518	350	290	275	285	328	500

1-2000-01

YMAR

— **ATMOSPHERE**

00E
317

52

[illegible]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug
1	234	194	297	293	269	287	699	341	34	29	26
2	227	195	301	266	265	280	697	346	41	35	32
3	220	199	296	272	266	269	592	341	20	35	34
4	212	217	296	275	269	274	518	288	27	36	32
5	206	232	295	279	273	282	514	235	30	38	35
6	209	237	292	293	276	300	511	205	26	38	35
7	209	237	287	328	272	340	513	177	31	37	33
8	202	242	287	321	276	343	514	203	51	36	28
9	201	240	291	307	277	413	520	235	61	21	30
10	192	239	299	300	272	464	511	221	64	23	34
11	188	240	302	300	273	486	512	200	58	25	38
12	187	249	303	293	273	458	458	174	36	32	39
13	189	283	303	293	273	444	444	169	49	35	43
14	199	300	291	293	293	440	449	149	29	39	38
15	224	297	279	282	293	443	443	133	39	36	32
16	224	290	273	272	275	449	449	120	54	32	41
17	224	299	249	263	282	444	444	103	52	17	34
18	234	303	219	272	280	420	420	62	43	16	34
19	228	322	264	260	286	442	403	56	46	10	30
20	223	304	291	243	286	431	405	81	49	83	24
21	223	323	323	261	283	371	386	90	50	86	24
22	224	299	305	291	283	373	373	90	76	83	44
23	212	351	355	281	288	360	366	53	73	12	48
24	212	375	375	276	276	361	361	21	41	16	58
25	209	369	347	281	289	353	353	21	49	22	69
26	203	367	344	275	289	344	344	25	23	22	69
27	200	350	342	275	289	344	344	25	23	22	81

1-58020-91 101440 00168764 100000000 1.0

25

REV 2

ACKNOWLEDGMENTS

AGRICULTURE

30,154

61.7

Plate No. 53

	Mean	Lower	Upper
2,050	117	0	0
33.3	2.9	0	0
		0	0
		0	0
897	2,630	6,580	7,860
15.1	42.8	111	128
		105	6,440
		60.2	3,580

Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	52	14	0	0	0	0	0	63	79	143	102	92
2	52	0	0	0	0	0	0	26	79	137	117	82
3	50	9	0	0	0	0	0	52	82	100	127	76
4	50	9	0	0	0	0	0	62	94	115	114	74
5	50	9	0	0	0	0	0	62	95	143	109	67
6	50	0	0	0	0	0	0	59	110	143	104	69
7	57	0	0	0	0	0	0	58	120	143	111	66
8	60	9	0	0	0	0	0	67	117	146	103	70
9	60	0	0	0	0	0	0	19	113	146	105	74
10	60	9	0	0	0	0	0	26	98	142	105	63
11	60	0	0	0	0	0	0	18	84	142	97	58
12	60	9	0	0	0	0	0	0	84	135	101	60
13	60	0	0	0	0	0	0	0	95	139	94	58
14	60	0	0	0	0	0	41	38	111	136	102	49
15	57	0	0	0	0	0	41	0	117	124	102	48
16	50	0	0	0	0	0	21	23	113	125	109	44
17	57	0	0	0	0	0	21	23	99	136	87	44
18	28	0	0	0	0	0	0	0	105	137	121	44
19	0	0	0	0	0	0	26	23	129	133	110	44
20	0	0	0	0	0	0	13	29	129	124	104	48
21	20	0	0	0	0	0	13	30	130	119	103	52
22	0	0	0	0	0	0	18	29	130	102	105	53
23	0	0	0	0	0	0	21	42	130	104	105	53
24	0	0	0	0	0	0	36	68	108	136	105	53
25	16	0	0	0	0	0	0	66	130	118	104	55
26	0	0	0	0	0	0	34	66	125	114	100	56
27	9	0	0	0	0	0	47	66	120	114	98	58
28	14	0	0	0	0	0	52	66	135	121	101	58
29	0	0	0	0	0	0	58	66	140	100	101	59
30	0	0	0	0	0	0	0	66	100	100	97	97
31	0	0	0	0	0	0	0	66	100	100	97	97

U.S. GOVERNMENT PRINTING OFFICE: 1969-0-348-601

COLLINS 3

A C H E - F I S H

26,329

NEW

Place No. 54

	0	0	0	0	829	3,030	5,970	6,940	5,320	2,610	1,630	Rate
	0	0	0	0	13.9	49.3	100	113	86.5	43.9	26.5	Rate

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
41	41	41	41	41	41	41	46	94	115	98	80
41	41	41	41	41	41	41	46	94	108	98	67
41	41	41	41	41	41	41	46	94	106	98	60
41	41	41	41	41	41	41	46	94	106	97	60
41	41	41	41	41	41	41	46	94	106	89	60
41	41	41	41	41	41	41	46	94	116	86	60
41	41	41	41	41	41	41	46	94	121	84	60
41	41	41	41	41	41	41	46	94	121	84	52
41	41	41	41	41	41	41	46	94	121	84	48
41	41	41	41	41	41	41	46	94	121	84	48
41	41	41	41	41	41	41	46	94	120	84	47
44	44	44	44	44	44	44	46	82	120	82	46
41	41	41	41	41	41	41	46	82	120	82	46
41	41	41	41	41	41	41	46	82	119	82	46
41	41	41	41	41	41	41	46	94	119	82	37
41	41	41	41	41	41	41	46	108	118	79	33
41	41	41	41	41	41	41	46	111	118	79	33
28	28	28	28	28	28	28	25	110	117	79	33
22	22	22	22	22	22	22	25	110	117	79	33
22	22	22	22	22	22	22	42	110	117	79	33
25	25	25	25	25	25	25	46	110	117	82	33
25	25	25	25	25	25	25	46	109	117	92	33
25	25	25	25	25	25	25	46	110	117	92	33
42	42	42	42	42	42	42	94	110	104	92	33
46	46	46	46	46	46	46	94	110	100	92	33
46	46	46	46	46	46	46	94	110	100	92	33
45	45	45	45	45	45	45	94	109	100	92	30
46	46	46	46	46	46	46	94	109	100	85	30
92	92	92	92	92	92	92	94	109	100	80	30

[illegible]

contents, in thousands of acre-feet

[illegible]

000000

MAYAN

A 000-1-100

5,912,900

8,167

Place No. 56

6.051	4.936	7.537	7.541	7.386	4.556	6.027	11.320	10.880	12.670	11.570	7.356
372,000	293,700	463,500	463,700	410,200	280,100	358,700	695,800	647,100	778,900	711,500	437,700

[illegible]

1000-0000

MEAN

Place No. 57

[illegible][illegible]

MEAN

Place No. 58

Line	Qty	Unit	Description	Price	Total
1	805			0	0
2	805			0	0
3	803			0	0
4	805			99	79
5	801			236	188
6	801			332	265
7	801			393	314
8	832			490	408
9	902			590	531
10	932			706	657
11	927			808	748
12	982			891	823
13	1010			1050	1010
14	944			1190	1110
15	770			1260	1210
16	634			1400	1336
17	514			1460	1410
18	517			1630	1578
19	515			1690	1640
20	357			1730	1677
21	184			1760	1632
22	0			1730	1608
23	0			1540	1416
24	0			1500	1350
25	0			1590	1431
26	0			1240	1072
27	0			1250	1087
28	0			1350	1215
29	0			1460	1314
30	0			1600	1500
31	0			1560	1456

U. S. GOVERNMENT PRINTING OFFICE 16-50865-1

FINISH

A. C. B. B. - P. 1000

5,106,200

Plate No. 60

Year	Mean	Place No. 60
323,700	7,053	387,600
5,264	8,312	6,515
4,890	8,646	8,859
8,507	4,727	9,457
7,893	531,600	544,700
523,100	494,600	581,500
485,300	281,300	
409,000	252,800	
7,365	4,111	

[illegible]

1. 100% of the population is covered by the program.

世界人

YOUNG

NEW IN

Row	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Col 9	Col 10	Col 11	Col 12	Col 13	Col 14	Col 15	Col 16	Col 17	Col 18	Col 19	Col 20	Col 21	Col 22	Col 23	Col 24	Col 25	Col 26	Col 27	Col 28	Col 29	Col 30	Col 31	
1	5.120	5.070	5.580	5.560	6.000	7.760	6.750	7.870	7.510	6.720	7.680	7.760	7.400	7.100	7.820	7.150	8.960	8.900	8.990	8.460	8.210	7.430	4.600	5.580	5.560	5.120	5.140	5.190	5.170	5.120	5.140	5.190
2	5.070	5.580	5.560	5.580	5.560	7.760	6.750	7.870	7.510	6.720	7.680	7.760	7.400	7.100	7.820	7.150	8.960	8.900	8.990	8.460	8.210	7.430	4.600	5.580	5.560	5.120	5.140	5.190	5.170	5.120	5.140	5.190
3	5.100	5.580	5.560	5.580	5.560	7.760	6.750	7.870	7.510	6.720	7.680	7.760	7.400	7.100	7.820	7.150	8.960	8.900	8.990	8.460	8.210	7.430	4.600	5.580	5.560	5.120	5.140	5.190	5.170	5.120	5.140	5.190
4	5.100	5.580	5.560	5.580	5.560	7.760	6.750	7.870	7.510	6.720	7.680	7.760	7.400	7.100	7.820	7.150	8.960	8.900	8.990	8.460	8.210	7.430	4.600	5.580	5.560	5.120	5.140	5.190	5.170	5.120	5.140	5.190
5	5.240	5.560	5.580	5.560	5.580	8.990	7.820	7.100	7.100	7.620	8.700	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240
6	5.190	5.580	5.560	5.580	5.560	8.960	7.820	7.100	7.100	7.620	8.700	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240	8.240
7	5.170	5.560	5.580	5.560	5.580	8.900	8.040	7.240	6.100	4.560	9.020	8.100	8.100	8.100	8.100	8.100	8.100	8.100	8.100	8.100	8.100	8.100	8.100	8.100	8.100	8.100	8.100	8.100	8.100	8.100	8.100	8.100
8	5.120	5.560	5.580	5.560	5.580	8.840	8.320	7.260	4.560	4.600	9.080	7.960	7.960	7.960	7.960	7.960	7.960	7.960	7.960	7.960	7.960	7.960	7.960	7.960	7.960	7.960	7.960	7.960	7.960	7.960	7.960	7.960
9	5.140	5.580	5.560	5.580	5.560	8.930	8.290	7.430	4.600	2.890	9.290	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820
10	5.140	5.020	5.580	5.020	9.050	8.210	7.400	7.400	2.760	2.950	8.580	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820	7.820
11	5.120	4.630	4.510	4.630	8.990	8.460	7.370	2.760	3.6																							

Cheng, T. H. 1997. *Journal of the American Water Resources Association* 33:1033-1042.

MEAN—

A COMB-POST.

101

57,030

Plate No. 61

[illegible][illegible]

A 600-1700

~~SECRET~~

Plate No. 62

Cage-heights, in feet.

[illegible]

F. A. LATERAL NEAR MILLER, IDAHO

U. S. DEPARTMENT OF AGRICULTURE 16-50000-1

Year
or
Term

Mean

Acres-Feet

26.9
19,489

Plate No. 63

Year	Acres-Feet	Mean	Year	Acres-Feet	Mean
0	0	6.7	0	0	6.7
0	0	63.4	0	0	63.4
0	0	66.9	0	0	66.9
0	0	74.3	0	0	74.3
0	0	63.3	0	0	63.3
0	0	46.1	0	0	46.1

Year	Acres-Feet	Mean	Year	Acres-Feet	Mean
1	0	46	1	0	46
2	0	46	2	0	46
3	0	52	3	0	52
4	0	58	4	0	58
5	0	59	5	0	59
6	0	60	6	0	60
7	0	61	7	0	61
8	0	67	8	0	67
9	0	68	9	0	68
10	0	68	10	0	68
11	0	66	11	0	66
12	0	66	12	0	66
13	0	66	13	0	66
14	0	65	14	0	65
15	0	66	15	0	66
16	0	68	16	0	68
17	0	68	17	0	68
18	0	67	18	0	67
19	0	64	19	0	64
20	0	62	20	0	62
21	0	66	21	0	66
22	0	67	22	0	67
23	0	67	23	0	67
24	0	66	24	0	66
25	19	66	25	19	66
26	34	66	26	34	66
27	32	66	27	32	66
28	32	66	28	32	66
29	42	66	29	42	66
30	42	66	30	42	66
31	42	65	31	42	65

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

1-00000-01 10-00000-01

Figure 1

ACQUA-LENT

70,110

Plate No. 64

Year	Mean	96.8	Place No. 04
2,580	0	0	132
41.9	0	0	214
0	0	0	267
0	0	0	212
0	0	0	13,150
0	0	0	7,670

101	97	87	97	103	102	92	87	87	87	8	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
189	301	300	198	206	206	207	202	200	201	212	197	209	209	210	210	210	211	211	211	218	225	226	234	234	235	235	236	242	248	187	189	189	243	243
260	261	254	249	239	237	231	224	212	212	197	184	159	159	159	178	159	159	176	176	181	176	176	182	196	198	198	198	207	216	222	236	254	259	
254	254	249	248	249	264	272	279	280	280	280	281	282	292	292	281	282	292	292	292	225	225	232	235	235	235	226	226	257	254	250	238	184	182	
225	217	206	204	194	192	191	204	220	225	225	225	225	208	225	225	225	225	225	225	106	106	103	103	109	111	111	112	218	209	200	192	184	113	
175	181	180	175	171	166	166	166	146	144	142	130	115	115	108	106	106	103	103	103	103	103	103	103	109	111	111	112	113	113	113	113	113	113	

IN GOODING CANAL NEAR MILNER, IDAHO

ALL

4-10-1944

665,567

Plate No. 65

Year	Mean	Place No.
1985	37,840	65
1986	11,760	66
1987	615	67
1988	198	68
1989	2.3	69
1990	0	70
1991	0	71
1992	0	72
1993	0	73
1994	450	74
1995	1,433	75
1996	1,476	76
1997	87,850	77
1998	94,100	78
1999	82,020	79
2000	67,000	80
2001	1,126	81
2002	1,334	82

[illegible]

WORTH SIDE CANAL PROJECT IN GOODING CANAL

WILLIAMS

A-20-1

MEAN

306

[illegible][illegible]

U.S. GOVERNMENT PRINTING OFFICE: 1964 O - 350-001

ИВАНЪ

672

36,600	10,570	115	0	0	0	26,120	86,880	86,660	92,870	80,790	65,810
595	178	1.9	0	0	0	439	1,413	1,456	1,510	1,314	1,106

Plate No. 67

[illegible]

1. *Chlorophyll a* (Chl a) is the primary photosynthetic pigment in most plants and algae. It is a green pigment that absorbs light energy in the blue and red regions of the visible spectrum. Chl a is essential for the light-dependent reactions of photosynthesis, where it converts light energy into chemical energy in the form of ATP and NADPH.

GC

A-100-100-100

891,520

Place No. 68

Year	Mean	Place No.
1971	1,231	891,520
1972	1,468	159,300
1973	2,590	154,500
1974	2,596	180,200
1975	2,727	167,700
1976	1,971	117,300

[illegible]

SOUTH SIDE TWIN FALLS CANAL AT MILLER, IDAHO

Year
1957

Mean
1,344,666

Plate No. 69

Year	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	3000	3001	3002	3003	3004	3005	3006	3007	3008	3009	3010	3011	3012	3013	3014	3015	3016	3017	3018	3019	3020	3021	3022	3023	3024	3025	3026	3027	3028	3029	3030	3031	3032	3033	3034	3035	3036	3037	3038	3039	3040	3041	3042	3043	3044	3045	3046	3047	3048	3049	3050	3051	3052	3053	3054	3055	3056	3057	3058	3059	3060	3061	3062	3063	3064	3065	3066	3067	3068	3069	3070	3071	3072	3073	3074	3075	3076	3077	3078	3079	3080	3081	3082	3083	3084	3085	3086	3087	3088	3089	3090	3091	3092	3093	3094	3095	3096	3097	3098	3099	3100	3101	3102	3103	3104	3105	3106	3107	3108	3109	3110	3111	3112	3113	3114	3115	3116	3117	3118	3119	3120	3121	3122	3123	3124	3125	3126	3127	3128	3129	3130	3131	3132	3133	3134	3135	3136	3137	3138	3139	3140	3141	3142	3143	3144	3145	3146	3147	3148	3149	3150	3151	3152	3153	3154	3155	3156	3157	3158	3159	3160	3161	3162	3163	3164	3165	3166	3167	3168	3169	3170	3171	3172	3173	3174	3175	3176	3177	3178	3179	3180	3181	3182	3183	3184	3185	3186	3187	3188	3189	3190	3191	3192	3193	3194	3195	3196	3197	3198	3199	3200	3201	3202	3203	3204	3205	3206	3207	3208	3209	3210	3211	3212	3213	3214	3215	3216	3217	3218	3219	3220	3221	3222	3223	3224	3225	3226	3227	3228	3229	3230	3231	3232	3233	3234	3235	3236	3237	3238	3239	3240	3241	3242	3243	3244	3245	3246	3247	3248	3249	3250	3251	3252	3253	3254	3255	3256	3257	3258	3259	3260	3261	3262	3263	3264	3265	3266	3267	3268	3269	3270	3271	3272	3273	3274	3275	3276	3277	3278	3279	3280	3281	3282	3283	3284	3285	3286	3287	3288	3289	3290	3291	3292	3293	3294	3295	3296	3297	3298	3299	3300	3301	3302	3303	3304	3305	3306	3307
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----	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------

Snake River at Milner, Idaho

Year	Mean	Acres-Fert	Plate No.
1907	1,907	33.3	268
1908	3,507	169	279
1909	8,807	10,400	17,130
1910	541,500	1,980	15,950
1911	501,600	4,020	
1912	416,400	8,730	
1913	253,500	147	
1914	4,122	65.3	
1915	7,498	33.3	
1916	8,158	169	
1917	7,498	10,400	
1918	416,400	1,980	
1919	253,500	4,020	
1920	4,122	8,730	
1921	7,498	147	
1922	8,158	65.3	
1923	7,498	33.3	
1924	8,807	169	
1925	541,500	10,400	
1926	501,600	1,980	
1927	416,400	4,020	
1928	253,500	8,730	
1929	4,122	147	
1930	7,498	65.3	
1931	8,158	33.3	
1932	7,498	169	
1933	8,807	10,400	
1934	541,500	1,980	
1935	501,600	4,020	
1936	416,400	8,730	
1937	253,500	147	
1938	4,122	65.3	
1939	7,498	33.3	
1940	8,158	169	
1941	7,498	10,400	
1942	8,807	1,980	
1943	541,500	4,020	
1944	501,600	8,730	
1945	416,400	147	
1946	253,500	65.3	
1947	4,122	33.3	
1948	7,498	169	
1949	8,158	10,400	
1950	7,498	1,980	
1951	8,807	4,020	
1952	541,500	8,730	
1953	501,600	147	
1954	416,400	65.3	
1955	253,500	33.3	
1956	4,122	169	
1957	7,498	10,400	
1958	8,158	1,980	
1959	7,498	4,020	
1960	8,807	8,730	
1961	541,500	147	
1962	501,600	65.3	
1963	416,400	33.3	
1964	253,500	169	
1965	4,122	10,400	
1966	7,498	1,980	
1967	8,158	4,020	
1968	7,498	8,730	
1969	8,807	147	
1970	541,500	65.3	
1971	501,600	33.3	
1972	416,400	169	
1973	253,500	10,400	
1974	4,122	1,980	
1975	7,498	4,020	
1976	8,158	8,730	
1977	7,498	147	
1978	8,807	65.3	
1979	541,500	33.3	
1980	501,600	169	
1981	416,400	10,400	
1982	253,500	1,980	
1983	4,122	4,020	
1984	7,498	8,730	
1985	8,158	147	
1986	7,498	65.3	
1987	8,807	33.3	
1988	541,500	169	
1989	501,600	10,400	
1990	416,400	1,980	
1991	253,500	4,020	
1992	4,122	8,730	
1993	7,498	147	
1994	8,158	65.3	
1995	7,498	33.3	
1996	8,807	169	
1997	541,500	10,400	
1998	501,600	1,980	
1999	416,400	4,020	
2000	253,500	8,730	
2001	4,122	147	
2002	7,498	65.3	
2003	8,158	33.3	
2004	7,498	169	
2005	8,807	10,400	
2006	541,500	1,980	
2007	501,600	4,020	
2008	416,400	8,730	
2009	253,500	147	
2010	4,122	65.3	
2011	7,498	33.3	
2012	8,158	169	
2013	7,498	10,400	
2014	8,807	1,980	
2015	541,500	4,020	
2016	501,600	8,730	
2017	416,400	147	
2018	253,500	65.3	
2019	4,122	33.3	
2020	7,498	169	
2021	8,158	10,400	
2022	7,498	1,980	
2023	8,807	4,020	
2024	541,500	8,730	
2025	501,600	147	
2026	416,400	65.3	
2027	253,500	33.3	
2028	4,122	169	
2029	7,498	10,400	
2030	8,158	1,980	
2031	7,498	4,020	
2032	8,807	8,730	
2033	541,500	147	
2034	501,600	65.3	
2035	416,400	33.3	
2036	253,500	169	
2037	4,122	10,400	
2038	7,498	1,980	
2039	8,158	4,020	
2040	7,498	8,730	
2041	8,807	147	
2042	541,500	65.3	
2043	501,600	33.3	
2044	416,400	169	
2045	253,500	10,400	
2046	4,122	1,980	
2047	7,498	4,020	
2048	8,158	8,730	
2049	7,498	147	
2050	8,807	65.3	
2051	541,500	33.3	
2052	501,600	169	
2053	416,400	10,400	
2054	253,500	1,980	
2055	4,122	4,020	
2056	7,498	8,730	
2057	8,158	147	
2058	7,498	65.3	
2059	8,807	33.3	
2060	541,500	169	
2061	501,600	10,400	
2062	416,400	1,980	
2063	253,500	4,020	
2064	4,122	8,730	
2065	7,498	147	
2066	8,158	65.3	
2067	7,498	33.3	
2068	8,807	169	
2069	541,500	10,400	
2070	501,600	1,980	
2071	416,400	4,020	
2072	253,500	8,730	
2073	4,122	147	
2074	7,498	65.3	
2075	8,158	33.3	
2076	7,498	169	
2077	8,807	10,400	
2078	541,500	1,980	
2079	501,600	4,020	
2080	416,400	8,730	
2081	253,500	147	
2082	4,122	65.3	
2083	7,498	33.3	
2084	8,158	169	
2085	7,498	10,400	
2086	8,807	1,980	
2087	541,500	4,020	
2088	501,600	8,730	
2089	416,400	147	
2090	253,500	65.3	
2091	4,122	33.3	
2092	7,498	169	
2093	8,158	10,400	
2094	7,498	1,980	
2095	8,807	4,020	
2096	541,500	8,730	
2097	501,600	147	
2098	416,400	65.3	
2099	253,500	33.3	
2100	4,122	169	

Plate No. 70

Mean 2,897
Acres-Fert 2,097,210

Year
or
Period