UNITED STATES DEPARTMENT OF THE INTERIOR
Fred A. Seaton, Secretary

GEOLOGICAL SURVEY
Thomas B. Nolan, Director

BEAR RIVER HYDROMETRIC DATA

TRI-STATE INVESTIGATIONS

1955

Prepared in cooperation with

the States of

IDAHO, UTAH AND WYOMING

by
Albert B. Harris, Engineer-in-Charge
Wallace N. Jibson, Hydraulic Engineer

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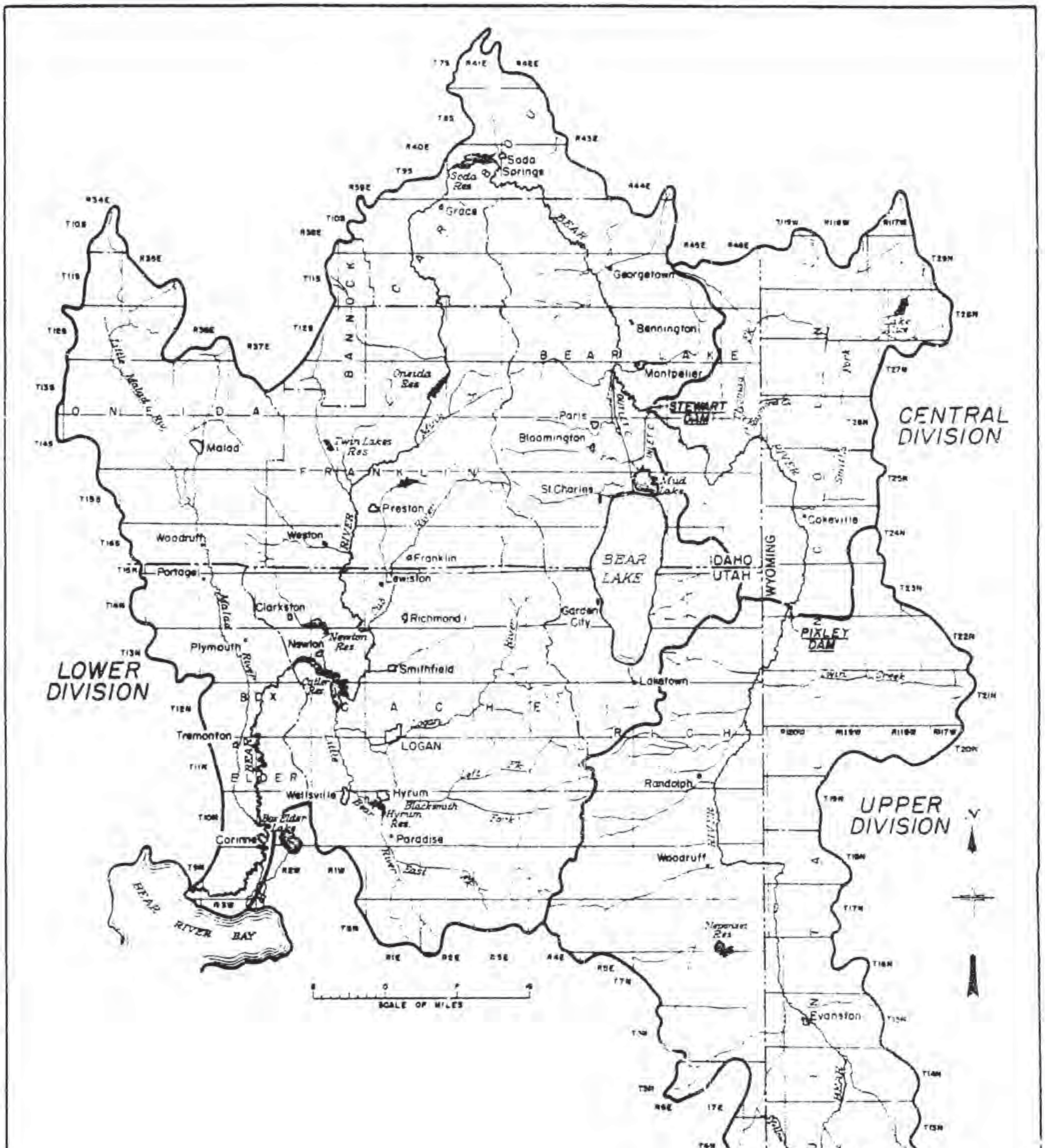

BEAR RIVER BASIN

PROPOSED COMPACT DIVISIONS

C O N T E N T S

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INTRODUCTION

Location and Area

Bear River is the largest stream entering Great Salt Lake. It drains an area of more than 6,000 square miles of mountain and valley lands in the northeastern part of the Great Salt Lake Basin. Rising on the north slopes of the Uinta Mountains in Utah, about 60 miles east of Salt Lake City, Bear River flows northward into the southwest corner of Wyoming, turns west and reenters Utah, returns to Wyoming, flows north entering Idaho in the southeast corner, then northwest to a point near Soda Springs, where it turns abruptly southward and traveling in a general southwest direction reenters Utah and finally empties into Great Salt Lake. In this circuitous course of more than 300 miles through the States of Idaho, Utah, and Wyoming, Bear River crosses State lines five times.

History of the Investigation

In July 1943, the Geological Survey, in cooperation with the Bureau of Reclamation, and the States of Idaho, Utah and Wyoming, began an intensive program of collecting stream, reservoir, and canal records in Bear River basin. The object of this program is to obtain adequate information on the water supply within the basin and amounts of water diverted for irrigation and other uses, as base data for a compact among the three States in the division of the waters of the river system and to assist the Bureau of Reclamation in determining irrigation and power potentialities in Bear River basin.

The administration of this program requires the collection of continuous records of streamflow at specific base and Bureau of Reclamation development gaging stations and the collection of irrigation season records of canals.

In 1944 and 1945, records were collected on all canals diverting from the main stem of Bear River and its tributaries. In 1946 and 1947, records were collected only on canals diverting from the main stem and Smiths Fork, a principal tributary. In 1948, records were collected only on the canals crossing the State line above Evanston, on canals diverting from the main stem of the river below the Bear River gaging station near Randolph, Utah, and on canals diverting from Smiths Fork. Patterns of streamflow and diversions were sufficiently defined at the end of 1948 water year to conclude the collection of most diversion records. Only those diversions that were related to either supply or special interstate problems were continued through 1952. Compact studies became more intensified in 1948. It was subsequently concluded that records of diversion from the main stem of Bear River and supply records on the westside tributaries in the Woodruff-Randolph area were required for determination of gain and related studies in this reach of the river. Standard gaging stations were installed on canals and creeks in September 1949 to meet this requirement.

Interested agencies were desirous that the publication of the annual Hydrometric Data report be continued. Many records of canal diversions and main stem stations collected by the Watermaster of District No. 5, Idaho, and Utah Power & Light Co., are thereby available in one binding at an early date for use in compact negotiations and other water-use studies. Attention is called to the fact that the 1949 to 1952 reports contain streamflow records only and are therefore in much less detail than those for 1944-48, 1953-55.

It had been felt for several years that diversion records above Bear Lake during a dry season would be particularly desirable from the following considerations:

1. Under proposed compact allocations the distribution of available supplies during a dry season, with time and magnitude of diversions, define extent of benefit from interstate regulation. The data would be available to more effectively analyze the effects on State Sections being regulated.
2. Natural river gain and/or return flow from water applied in the various sections would more nearly approximate conditions to be expected in a year of extreme regulation under an interstate compact. Proportionate net loss to the system of water diverted would be different from that in average years. Its determination makes possible a more accurate analysis of anticipated results of such regulation under a compact.

Snow surveys, streamflow forecasts, and subsequent weather patterns indicated that the 1953 water supply would provide answers to most of these questions. To this end records of main stem diversions above Border, including Smiths Fork, were collected with the expectation of lower supplies than for any year for which records of diversion were previously obtained. Subsequent weather patterns changed the supply picture to about an average of the 1944-48 period.

Drought conditions continued at the approach of the 1954 irrigation season. Snow surveys and streamflow forecasts indicated that supplies would be much lower than 1953, also lower than any year for which records of diversion have been obtained. Therefore records of main stem diversions above Border, including Smiths Fork, were collected. These records furnished valuable information for subsequent studies which were required to complete final compact negotiations.

The Bear River Compact which was approved by Commissioners representing Idaho, Utah and Wyoming in February 1955 has not as yet been ratified by the Wyoming Legislature. The three states felt that a continuation of the diversion records until final ratification would be very desirable. Accordingly these records were collected in 1955 and 1956.

Acknowledgment

Special acknowledgment is given to the Utah Power & Light Company for records furnished by them, and to Russell D. Stoker, Watermaster, District No. 5, Idaho, for furnishing stream and canal records along the main stem in Idaho.

Annual Trends of Water Supply

Graphs of annual runoff at gaging stations for Bear River near Evanston, Wyoming, Bear River near Harer, Idaho, and Bear River near Collinston, Utah, are shown on plates 1, 2 and 3. The Collinston record is more than 60 years long and the former two more than 30 years. They were chosen as indices of supply because of their length. Each station is affected by upstream diversions. The greatest effect is at the Collinston station, particularly since the lower river is completely regulated at and below Bear Lake. No flow occurs at the Evanston station at times during years of low supply because of upstream diversions.

Most of the present irrigation development in the basin took place in the years prior to 1924, years of abnormally high runoff as shown by the Collinston record. The Compact Commission agreed that the 25 years following 1924 (1924-48) would be a representative period for use in Compact studies of future supplies and supplemental storage requirements.

Tables on pages 6 and 7 show monthly and annual runoff for the Evanston and Harer gaging stations, with averages computed for the 32-year period Oct. 1, 1923 to Sept. 30, 1955.

Monthly and Annual Runoff, in Acre-Feet, of Bear River near Evanston, Wyoming

Water Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1923-24	10,100	-	-	-	-	-	45,400	61,100	22,800	885	44	0	163,000*
1924-25	1,150	-	-	-	-	-	-	-	32,500	11,300	2,640	5,650	131,000*
1925-26	6,580	4,360	-	-	-	16,200	24,600	60,900	30,300	3,220	1,860	434	160,000*
1926-27	1,270	-	-	-	-	-	24,000	51,300	52,500	6,460	1,800	4,560	155,000*
1927-28	6,950	-	-	-	-	-	19,000	101,000	34,900	3,160	414	215	202,000*
1928-29	922	-	-	-	-	15,800	23,200	58,900	64,900	12,100	4,620	7,400	195,000*
1929-30	5,240	4,610	-	-	-	-	26,500	33,900	37,600	1,330	9,100	3,280	140,000*
1930-31	3,970	2,580	2,770	3,070	4,170	19,100	9,580	18,200	12,000	375	264	250	76,300
1931-32	590	1,860	2,150	2,150	2,300	9,720	22,600	57,400	56,400	8,790	603	1,020	166,000
1932-33	1,730	2,790	1,710	1,540	1,940	7,810	13,000	26,700	53,400	1,240	198	5	112,000
1933-34	298	627	2,150	1,540	3,610	5,620	10,730	11,560	238	0	399	13	36,780
1934-35	188	383	984	2,150	3,330	5,030	10,850	21,890	58,930	3,080	321	269	107,400
1935-36	205	547	1,380	1,730	2,070	3,230	34,230	80,870	32,110	9,520	6,000	2,400	174,300
1936-37	2,420	4,220	2,810	1,970	1,470	5,120	37,610	63,450	21,430	10,180	388	483	151,600
1937-38	1,630	1,720	1,850	2,180	2,770	8,890	31,300	53,960	48,090	5,140	940	1,510	160,000
1938-39	3,000	3,410	3,160	3,370	2,950	17,120	19,840	34,690	15,530	2,120	95	414	105,700
1939-40	1,220	1,010	1,180	1,180	2,540	5,970	10,340	42,200	7,810	86	0	789	74,320
1940-41	3,050	2,860	2,000	1,750	2,150	7,590	8,850	42,130	50,880	6,720	2,810	1,460	132,200
1941-42	4,810	4,740	4,320	3,470	3,610	7,310	35,400	44,010	46,220	2,470	57	31	156,400
1942-43	569	1,200	2,180	2,470	3,170	7,820	35,200	44,160	42,070	7,610	1,390	166	148,000
1943-44	2,150	3,160	2,330	2,460	2,480	4,540	27,390	60,730	60,380	12,710	97	82	178,500
1944-45	1,090	2,080	1,630	2,540	2,730	9,080	22,130	41,080	40,380	12,830	8,510	2,230	146,300
1945-46	3,170	4,700	4,670	4,330	3,390	10,160	40,440	44,440	26,270	720	207	116	142,600
1946-47	2,390	5,260	4,840	3,750	3,820	20,830	14,450	63,310	55,760	13,030	2,890	1,510	191,800
1947-48	2,940	4,980	5,250	4,500	4,170	7,060	39,570	63,110	29,160	587	74	15	161,400
1948-49	673	1,450	3,560	3,530	3,050	4,360	30,000	50,250	49,170	8,340	478	342	155,200
1949-50	2,870	3,480	3,360	3,160	3,600	6,750	43,400	59,320	85,970	17,270	2,470	2,050	243,700
1950-51	3,320	6,090	6,500	4,090	4,600	7,690	37,920	53,680	51,610	12,360	6,900	1,960	196,700
1951-52	7,710	5,740	5,710	5,940	5,770	6,160	52,890	108,900	82,140	15,380	6,380	2,520	305,200
1952-53	2,230	2,530	3,740	4,300	3,800	9,760	15,570	23,430	66,930	5,200	1,810	160	139,500
1953-54	289	3,040	3,690	3,690	3,610	7,130	15,520	30,240	8,610	479	19	0	76,320
1954-55	320	1,370	2,680	2,660	2,400	2,770	13,800	34,890	24,640	363	349	68	86,310
Average	2,650	2,520	2,390	2,300	2,480	7,460	24,850	48,490	40,680	6,100	2,000	1,290	149,100

* Aggregate winter estimates made to get annual totals.

Monthly and Annual Runoff, in Acre-feet, of Bear River at Harer, Idaho

Water Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
1923-24	42,700	33,100	20,200	17,100	20,300	26,700	130,000	101,000	41,000	13,800	10,100	9,760	466,000
1924-25	13,300	13,000	11,100	12,900	12,800	40,700	48,600	64,600	53,700	37,500	14,300	17,300	340,000
1925-26	21,400	17,800	14,500	11,400	12,600	38,800	44,700	47,200	29,500	16,500	9,900	7,500	272,000
1926-27	11,500	10,800	10,700	10,300	10,600	21,800	51,700	82,400	73,800	34,200	14,500	15,900	348,000
1927-28	19,700	21,100	17,100	16,400	14,000	44,100	47,000	128,000	70,800	23,600	12,900	10,700	425,000
1928-29	12,200	13,600	10,600	10,900	9,830	20,000	61,900	94,100	89,300	32,800	18,100	21,800	395,000
1929-30	22,600	18,900	17,200	9,840	11,900	31,900	51,500	44,600	43,800	19,900	22,300	17,400	312,000
1930-31	19,300	14,100	11,600	11,000	10,700	15,900	17,800	11,800	6,190	5,080	5,720	4,420	134,000
1931-32	6,580	7,020	6,460	6,820	6,960	11,600	32,800	81,800	86,900	41,400	15,600	14,200	318,000
1932-33	14,000	11,440	7,690	9,960	8,500	14,600	22,500	34,300	60,100	18,900	9,650	8,690	220,000
1933-34	10,440	9,720	8,300	8,990	10,390	11,120	5,910	2,810	2,860	2,390	2,220	2,800	77,950
1934-35	4,600	6,590	6,180	5,620	6,250	9,250	15,970	22,980	52,260	15,330	7,070	4,900	157,000
1935-36	7,910	9,930	8,420	6,540	6,390	11,450	60,190	164,100	74,760	25,490	19,530	12,170	406,900
1936-37	14,430	14,520	10,770	9,620	9,010	18,720	76,450	94,390	39,360	27,330	11,990	7,790	334,400
1937-38	10,970	12,810	12,390	11,240	10,750	26,950	65,600	104,900	70,020	27,670	11,940	15,430	380,700
1938-39	17,410	15,970	14,550	12,750	10,450	50,590	51,270	50,620	21,500	11,030	7,330	6,820	270,300
1939-40	11,660	10,560	10,230	9,770	9,890	11,440	9,390	7,900	8,990	5,850	3,620	3,710	103,000
1940-41	8,750	8,270	8,040	7,770	7,930	20,470	16,220	25,880	54,080	22,490	12,600	10,070	202,600
1941-42	12,780	16,510	14,040	10,810	10,070	16,700	81,570	42,540	41,060	13,390	7,500	5,780	272,800
1942-43	8,660	9,810	7,830	7,460	8,410	32,290	90,210	92,500	68,290	34,550	17,800	12,110	389,900
1943-44	13,750	13,890	10,740	10,060	11,100	14,900	78,770	69,770	80,430	30,460	11,350	7,800	353,000
1944-45	11,230	11,150	8,180	8,990	9,530	21,000	25,900	42,030	66,090	36,810	22,490	17,620	281,000
1945-46	14,510	17,880	14,890	14,940	11,480	46,950	111,100	109,000	45,530	19,110	13,540	13,170	432,100
1946-47	14,670	14,500	16,260	11,150	14,190	55,780	45,710	97,280	103,600	40,780	21,400	16,200	451,500
1947-48	16,620	18,250	16,100	13,660	12,520	19,500	68,690	110,200	67,800	21,160	11,220	9,010	384,700
1948-49	12,740	12,450	10,430	10,130	9,630	20,770	49,830	68,540	69,380	28,990	12,670	7,930	313,500
1949-50	16,360	16,700	13,910	14,280	15,060	42,190	93,070	154,300	176,900	59,350	23,300	16,450	641,900
1950-51	20,980	22,240	20,480	15,530	21,010	34,680	112,000	124,600	101,000	38,080	25,240	17,820	553,700
1951-52	22,470	19,560	16,750	17,470	17,370	19,160	76,030	225,300	109,000	42,040	19,500	15,230	599,900
1952-53	16,110	15,680	14,830	17,340	16,790	24,820	31,860	26,800	74,930	26,770	15,350	8,040	289,300
1953-54	9,520	12,910	11,890	12,130	13,120	22,110	28,290	32,260	17,610	12,260	7,950	5,730	185,800
1954-55	8,690	9,990	9,440	8,620	8,180	9,930	26,550	24,500	31,420	14,160	10,450	7,350	169,300
Average	14,640	14,400	12,240	11,300	11,490	25,210	54,030	74,470	60,370	24,970	13,410	11,000	327,500

The following tables show monthly average flows in cubic feet per second, and precipitation in inches at the Evanston and Harer stations for the 1955 irrigation season and water year, as compared to like periods in the 1924 to 1955 (water year) period of record.

BEAR RIVER NEAR EVANSTON, WYOMING

Period	Discharge in cfs (Monthly and Period Averages)					Precipitation*		
	Water Years 1924 to 1955			1955 Average Disch.	1955 Percent of Average	1924-55 Average Inches	1955 Inches	1955 Percent of Average
	Maximum Average Disch.	Minimum Average Disch.	Average Disch.					
April	889	149	418	232	56	1.05	0.76	72
May	1,770	188	789	567	72	1.21	1.09	90
June	1,445	4	684	414	61	1.04	.76	73
July	281	0	99	5.9	6	.84	.33	39
Aug.	148	0	33	5.7	17	1.05	1.28	122
Sept.	124	0	22	1.1	5	.77	.90	117
Apr.-Sept.	739	63	340	204	60	5.95	5.12	86
Water-Year	420	51	206	119	58	11.39	8.77	77

* Precipitation at Evanston, Wyoming

BEAR RIVER AT HARER, IDAHO

Period	Discharge in cfs (Monthly and Period Averages)					Precipitation**		
	Water Years 1924 to 1955			1955 Average Disch.	1955 Percent of Average	1924-55 Average Inches	1955 Inches	1955 Percent of Average
	Maximum Average Disch.	Minimum Average Disch.	Average Disch.					
April	2,190	99	908	446	49	1.08	0.72	67
May	3,665	46	1,211	399	33	1.22	.84	69
June	2,973	48	1,014	528	52	1.12	1.29	115
July	965	39	406	230	57	.82	.75	91
Aug.	410	36	218	170	78	.94	1.24	132
Sept.	367	47	185	124	67	.87	1.18	136
Apr.-Sept.	1,442	52	656	315	48	6.03	6.02	100
Water-Year	887	108	452	234	52	12.09	10.77	89

** Mean of precipitation at Evanston, and Border, Wyoming

Presentation of Data

This presentation includes only data on streams, reservoirs, and canals for the water year ending Sept. 30, 1955. The Hydrometric Data reports for 1944 to 1955 and Water Supply Paper 980 (1943) contain all data collected during the period of the investigation. Descriptions giving location of gaging stations and other pertinent facts appear in reports for 1946-49 only. Location of gaging stations on canals is not given except in a few cases.

This report contains a complete index of all gaging stations operated in Bear River basin as of September 30, 1955. The 1948 report contains a similar index for the period ending September 30, 1948. Arrangement is now in accordance with the new downstream order of gaging stations recently adopted by the U. S. Geological Survey. In the new system tributary basins and diversions are listed in order as they contribute to or divert from the main stem, as compared to the former system of listing all main stem stations, followed by tributaries and diversions in order. The relation of each tributary or diversion to the main stem is shown by indentation. This system has the advantage of grouping together all gaging stations in any particular area of a river basin.

Footnotes to period of record show publication or source where the detailed information may be found. Points of diversion of canals and location of all gaging stations are shown on the basin map folded in the back of Hydrometric Data reports prior to 1946. The map has not been reproduced for inclusion in reports since 1946.

In general, all principal streamflow stations are equipped with water-stage recorders. A few of the canals are likewise equipped, although the majority of them have only staff gages. The canal gages are located

near the points of diversion except in a few cases where impractical. Staff gages were read three or four times weekly and the records for intervening days of missing gage heights were interpolated or computed on the basis of the observer's notes and records of flow in the feeder stream.

Reports since 1953 vary slightly from those of earlier years to more nearly conform to sections of the Bear River Compact. The table on page 11 shows a summary of monthly diversions in acre-feet grouped by Compact Sections. Graphical presentation of supply, diversions, and gain has been shown by Compact Sections above Stewart Dam. Remaining Idaho diversions below Stewart Dam are included in the tabulation of daily discharge. Utah canals diverting at Cutler Dam were included to completely summarize all main stem diversions.

Monthly Diversions in Acre-feet

Bear River and Smiths Fork Canals

	Month						
	May	June	July	Aug.	Sept.	Total (May-Sept.)	Ac-Ft per Acre
UPPER DIVISION							
Upper Ut. (Hovarka C.)	250	520	330	160	10	1,270	2.65
Upper Wyoming							
To Hilliard Flat	2;870	6;080	4;240	2;150	1,530	16;870	
St. line to Myers N.	*4;750	6;920	3,470	2;050	780	17;970	
Myers Narrows to St. line near Woodruff	*23,600	33,060	3,530	1,260	450	61,900	
Total	31,220	46,060	11,240	5,460	2,760	96,740	2.28
Lower Utah (Woodruff-Randolph)	39,930	38,410	4,150	1,980	1,600	86,070	2.47
Lower Wyoming (B. Q. Dam to Pixley Dam)	7,640	13,800	1,130	10	0	22,580	2.73
CENTRAL DIVISION							
Wyoming (Pixley Dam to Border)							
Bear River Canals	3,290	15,210	8,810	2,370	3,160	32,840	
Smiths Fork Canals	4,550	19,230	18,170	11,760	7,230	60,940	
Total	7,840	34,440	26,980	14,130	10,390	93,780	5.43
Idaho (Border to Stewart Dam)	*14,760	28,370	14,580	6,100	6,760	70,570	3.03
LOWER DIVISION							
Idaho							
Stewart Dam to Alex.	0	1,110	1;020	550	0	2,680	
Alexander to Oneida	12,330	28;440	24;660	21;300	12;490	99;220	
Oneida to Preston	*4,400	9,360	11,630	9,150	7,290	41,830	
Preston to Idaho-Utah State line (Cub River Pumps)	0	720	4;610	2;930	2;680	10;940	
Total	16,730	39,630	41,920	33,930	22,460	154,670	
Utah**							
West Side Canal	21;100	29;710	42;140	35;340	30;910	159;200	
Hammond (E. Side) C.	5;900	7;010	10,030	8,640	6;460	38,040	
Total	27,000	36,720	52,170	43,980	37,370	197,240	

*Partially estimated for May.

**26 small pumps in Cache Valley diverting about 5,500 acre-feet annually must be added to obtain total diversion.

ABOVE STATE LINE NEAR WOODRUFF

(Upper Wyoming Section of Upper Division)

Prior to the 1954 report this area consisted of two sections, the division point being at Myers Narrows. This is a natural division for storage and related studies in connection with the Compact. The large number of diversions in the Upper Wyoming Section requires two plates for each month; it is expedient therefore to segregate the diversions above and below Myers Narrows.

Diversions above Myers Narrows are shown on plates 53-55, and those below on plates 56-60. Total diversions applicable to the Compact are shown on the latter five plates. Two canals, Francis-Lee and Bear River, are now included in this section in accordance with Compact Section definitions. They were grouped with Utah canals prior to 1954.

Plate 61 is a hydrograph of supply, diversions, and gain. During late June and July diversions again fall below the 1944-47 average reflecting below-average supplies. The gain expressed as a percentage of diversions is lower than comparable gains in lower sections as a result of loss to the system of water diverted to Hilliard Flat and Saleratus basin.

WOODRUFF-RANDOLPH

(Lower Utah Section of Upper Division)

This section comprises that part of the basin in Utah between the points where Bear River crosses the State line near the Woodruff and the Randolph gaging stations, excepting land in Utah under the Francis-Lee and Bear River Canals, and including land in Wyoming under the B. Q. Westside Canal. About 360 acres are irrigated in Wyoming at the head of the section under the Francis-Lee and Bear River Canals and about 1,900 acres are

irrigated in Wyoming at the lower end of the section under the B. Q. Westside Canal.

The principal tributaries from which water is diverted for irrigation are: Saleratus Creek, Woodruff Creek, Big Creek, Randolph Creek, and Otter Creek. Gaging stations are operated on all of these tributaries except Saleratus Creek from which surface inflow to Bear River is negligible. Records of diversions from these tributaries were obtained only during 1944 and 1945 and appear in the Hydrometric Data reports for those years. Supplies are usually either entirely diverted or intercepted by Bear River Canals during the irrigation season, except at times for short periods of snow-melt run-off.

Plates 62-64 show daily discharge in cubic feet per second of canals diverting from Bear River during the period May 1 to Sept. 30. These plates also include diversions in the next section (Lower-Wyoming). Plate 65 is a hydrograph of supply, diversions, and gain. Five-day average diversions for the 4-year period, 1944-47, are plotted for comparison with present diversions. The supply for this section is the flow passing Bear River near Woodruff gaging station minus Francis-Lee and Bear River Canals. The outflow used in computing gain is the flow passing the Randolph gaging station.

From a practical standpoint irrigation ended about June 20 because of inadequate supply. In average years supplies would have permitted an adequate rate of diversion for another two weeks. As in other years, computations indicate a large natural gain in the section from sources other than return flow from irrigation water applied.

RANDOLPH TO PIXLEY DAM

(Lower Wyoming Section of Upper Division)

This section comprises that land from the Utah-Wyoming line north of Randolph to and including the diversion at Pixley Dam. At present there are two groups of canals in the section: Canals at B. Q. Dam and Pixley Canal at Pixley Dam. Land irrigated by diversions at Pixley Dam extends downstream to Sublette Creek.

The principal tributary from which water is diverted for irrigation is Twin Creek. A gaging station is operated on Twin Creek at Sage, Wyoming, above approximately 60 percent of land irrigated from Twin Creek (see plate 18). During the irrigation season the entire flow of Twin Creek is generally diverted for irrigation.

Plates 62-64 show daily discharge in cubic feet per second of canals diverting from Bear River during the period May 1 to Sept. 30. These plates also include Utah Canals in the section above (Lower Utah). In addition to the Pixley Canal diverting at Pixley Dam, there is a diversion on the east side made by means of flooding which serves a strip of land about half a mile wide and 3 miles long between Bear River and the railroad. It is impractical to obtain any measurement of flow on this diversion. Dykes prevent return of surface flow to the river.

Plate 66 is a hydrograph of supply, diversions, and gain. The supply in this section is practically equal to the flow passing Bear River near Randolph gaging station. Outflow from the section used in computing gain is the flow passing Bear River below Pixley Dam gaging station. Consequently return flows from the diversions at Pixley Dam are excluded from the computed gain.

A natural gain, exclusive of return flow from water applied, averages about 15 cfs. The amount of computed gain indicates a very large return flow from diversions at B. O. Dam and from land in Wyoming irrigated under the B. O. Westside Canal diverting in Utah. Diversions in 1955 followed the pattern of 1944-48 average diversions better than in other sections of the Upper Division.

PIXLEY DAM TO BORDER

(Wyoming Section of Central Division)

This section comprises the irrigated areas along the main stem of Bear River from Pixley Dam to Border, Wyoming (State line), and those areas along Smiths Fork and its tributaries.

Plates 67-71 show daily discharge in cubic feet per second of canals diverting from Bear River and Smiths Fork. Measured supply in Smiths Fork basin is also tabulated. This supply does not include the small westside tributaries of Smiths Fork, but includes the principal eastside tributaries, and supplies arising from springs in the lower part of Pine Creek drainage.

Plate 72 is a hydrograph of supply, diversions, and gain for the section from Pixley Dam to Border including Smiths Fork. Cook Canal is included as a Wyoming diversion as in 1954. In 1953 it was treated as an Idaho diversion, also as a supply to the Idaho Section below Border. Return flow from land under the Cook Canal reaches Bear River below the last Wyoming diversion, most of which, is in Idaho. It is noted that the total gain follows closely the pattern of diversions and is equal to 75 percent of the diversions for the period May 1 to Sept. 30. It is estimated that 80 percent of the computed gain is return flow from irrigated water applied. As in other recent years the 1955 diversions were somewhat greater than the 5-year (1944-48) average, exceeding it by 25 percent from June 1 to Sept. 30.

BORDER TO STEWART DAM

(Idaho Section of Central Division)

This section comprises land irrigated from Bear River between Border, Wyoming (State line) and Stewart Dam in Idaho, including land under the canals diverting at Stewart Dam and lands served by canals fluming across Rainbow inlet canal.

Thomas Fork is the principal tributary from which water is diverted for irrigation. Thomas Fork usually contributes from 25 to 50 cfs daily to Bear River, following snow-melt run-off.

Plates 73-77 show daily discharge in cubic feet per second of all canals diverting from Bear River in Idaho (to Idaho-Utah State line near Preston) as collected and furnished by Russell D. Stoker, Watermaster, District No. 5, Idaho. The Watermaster has furnished records annually throughout the period of the investigation.

Plate 78 is a hydrograph of supply, diversions, and gain between Border and Stewart Dam. For comparative purposes the 5-year (1944-48) average diversions are also plotted (10-day means). 1955 diversions were comparable in magnitude and seasonal distribution to the earlier 5-year period. Gain as computed in this section is not too significant because it does not include return flow from West Fork Canal diverting at Stewart Dam, nor return flow from upstream diversions fluming across Rainbow inlet canal.

Hydrographs were not prepared for diversions from Stewart Dam to State line near Preston, which are in the Compact Lower Division.

MISCELLANEOUS DISCHARGE MEASUREMENTS

Miscellaneous discharge measurements were made in Bear River Basin during the water year October 1954 to September 1955 as follows:

MAIN STEM, TRIBUTARIES AND CANALS IN DOWNSTREAM ORDER

Stream	Tributary to or Diverting from	Locality	Drainage Area (sq mi)	Date	Discharge (cfs)
Otter Creek	Bear River	NW¼NE¼ sec. 3, T. 11 N. R. 6 E., at road crossing, 3.7 miles upstream from South Branch Otter Creek, and 5-1/3 miles northwest of Randolph, Utah.	16.7	July 20	2.06
Otter Creek 1/	Bear River	NE¼ sec. 3, T. 11 N., R. 6 E., above diversions, 2 miles upstream from South Branch Otter Creek, and 5¼ miles northwest of Randolph, Utah.	17.1	Oct. 29	3.96
.do.	.do.	.do.		Dec. 8	3.76
.do.	.do.	.do.		Mar. 10	3.54
.do.	.do.	.do.		Apr. 13	4.31
.do.	.do.	.do.		May 16	3.79
.do.	.do.	.do.		June 8	3.97
.do.	.do.	.do.		June 29	3.35
.do.	.do.	.do.		July 20	3.83
.do.	.do.	.do.		Aug. 23	3.77
.do.	.do.	.do.		Sep. 21	3.[illegible]
South Branch (Fork) Otter Creek	Otter Creek	NE¼ sec. 3, T. 11 N., R. 6 E., above diversions, 1-3/4 miles upstream from Middle Branch Otter Creek, and 4½ miles northwest of Randolph, Utah.	5.0	Oct. 29	3.9[illegible]
.do.	.do.	.do.		Dec. 8	3.22
.do.	.do.	.do.		Mar. 9	4.04
.do.	.do.	.do.		Apr. 13	4.89
.do.	.do.	.do.		May 16	3.95
.do.	.do.	.do.		June 8	4.37
.do.	.do.	.do.		June 29	4.13
.do.	.do.	.do.		July 20	4.38
.do.	.do.	.do.		Aug. 23	3.77
.do.	.do.	.do.		Sep. 21	3.98

1/ Previously published as North Fork Otter Creek.

MISCELLANEOUS DISCHARGE MEASUREMENTS (Cont'd)

MAIN STEM, TRIBUTARIES AND CANALS IN DOWNSTREAM ORDER

Stream	Tributary to or Diverting from	Locality	Drainage Area (sq mi)	Date	Discharge (cfs)
Middle Branch (Fork) Otter Creek	South Branch Otter Creek	SW¼ sec. 3 T. 11 N., R. 6 E., above diversions, 1½ miles upstream from mouth, and 5 miles northwest of Randolph, Utah.	3.5	Oct. 29	5.06
. . .do.	.do.	.do.		Dec. 8	4.23
. . .do.	.do.	.do.		Mar. 9	4.06
. . .do.	.do.	.do.		Apr. 13	4.62
. . .do.	.do.	.do.		May 16	4.95
. . .do.	.do.	.do.		June 8	4.65
. . .do.	.do.	.do.		June 29	4.21
. . .do.	.do.	.do.		July 20	4.69
. . .do.	.do.	.do.		Aug. 23	4.74
. . .do.	.do.	.do.		Sep. 21	4.16
Otter Creek	Bear River	NE¼ sec. 7, T. 11 N., R. 7 E., a quarter of a mile downstream from South Branch Otter Creek and 3 miles north of Randolph, Utah.	34.7	Jan. 27	19.0
. . .do.	.do.	.do.		Mar. 10	13.7
Sublette Creek	Bear River	NE¼NE¼ sec. 29, T. 24 N., R. 119 W., at mouth and 3 miles south of Cokeville, Wyo.	28.0	Nov. 4	1.31
Second Spring above Collett Creek //	Bear River	SW¼SE¼ sec. 8, T. 24 N., R. 119 W., 1 mile south of Cokeville, Wyo.		Nov. 4	1.45
First Spring above Collett Creek //	Bear River	. . . . .do.		Nov. 4	3.42
Collett Creek //	Bear River	NE¼SW¼ sec. 8, T. 24 N., R. 119 W., at mouth, 200 ft. downstream from R.R. bridge, and ½ mile south of Cokeville, Wyo.		Nov. 4	21.0
South Branch Smiths Fork //	Bear River	NW¼SW¼ sec. 6, T. 24 N., R. 119 W., at mouth, 1¼ miles northwest of Cokeville, Wyo.		Nov. 5	8.57

// A distributary of Smiths Fork.

MISCELLANEOUS DISCHARGE MEASUREMENTS (Cont'd)

MAIN STEM, TRIBUTARIES AND CANALS IN DOWNSTREAM ORDER

Stream	Tributary to or Diverting from	Locality	Drainage Area (sq mi)	Date	Discharge (cfs)
Smiths Fork	Bear River	SE¼NW¼ sec. 6, T. 24 N., R. 119 W., at mouth, 1¼ miles northwest of Cokeville, Wyo.		Nov. 5	27.8
South Fork Ryan Creek //	Bear River	NW¼NW¼ sec. 6, T. 24 N., R. 119 W., at mouth, 1-3/4 miles northwest of Cokeville, Wyo.		Nov. 5	*0.5
Ryan Creek //	Bear River	NW¼NW¼ sec. 6, T. 24 N., R. 119 W., ¼ mile upstream from mouth, 1-3/4 miles northwest of Cokeville, Wyo.		Nov. 5	*0.8
Bear River	Great Salt Lake	NE¼ sec. 1, T. 25 N., R. 120 W., at Ineck's Ranch, 2¼ miles southeast of Border, Wyo.		Mar. 25	108

*Field estimates.
// A distributary of Smiths Fork.

INDEX OF GAGING STATION RECORDS IN BEAR RIVER BASIN (DOWNSTREAM ORDER)

TO SEPTEMBER 30, 1955

GLOSSARY OF SYMBOLS

Under "Period of Record" a dash that is not followed immediately by a closing date means that the station was in operation September 30, 1955. Records using no symbol in "Period of Record" column are published annually in U. S. Geological Survey Water Supply Papers. The symbol indicates the type of data and source of publication or availability of records. Symbols used are as follows:

b/ In Bear River Hydrometric Data, Tri-State Investigations report.

c/ Irrigation season records only.

d/ In reports of Watermaster District No. 5-Idaho.

e/ In files of U. S. Geological Survey at Salt Lake City, Utah.

g/ Miscellaneous discharge measurements.

h/ In files of Logan Project Office, Geological Survey.

i/ In reports of Little Bear River Water Commissioner.

Bear River basin:	Drainage Area (Square Miles)	Period of Record
Bear River:		
East Fork Bear River:		
Hilliard-East Fork Canal near State line, near Evanston, Wyo.	-	1944-47 bc/, (1948-1949-) b/.
Diversions from Bear River above gaging station near Utah-Wyoming State line	-	(1944-47, 1953-) bc/.
Bear River near Utah-Wyoming State line	176	1942-
Mill Creek at Utah-Wyoming State line	59	1949-

b/ In Bear River Hydrometric Data, Tri-State Investigations report.
c/ Irrigation season records only.

INDEX

b/ In Bear River Hydrometric Data, Tri-State Investigations report.
c/ Irrigation season records only.
g/ Miscellaneous discharge measurements.

*Lannon and Hilliard West Side Canals near Utah-Wyoming State line also gaged in 1948.

INDEX

b/ In Bear River Hydrometric Data, Tri-State Investigations report.
c/ Irrigation season records only.
g/ Miscellaneous discharge measurements.
h/ In files of Logan Project Office, Geological Survey.

1/ Prior to 1949 at site one-quarter mile downstream below intermittent tributary and below two small intermittent diversions.

7 Previously published as North Fork Otter Creek.

INDEX

b/ In Bear River Hydrometric Data, Tri-State Investigations report.
c/ Irrigation season records only.

1/ Includes Randolph-Sage Creek canal at Control Line 1944-48.

INDEX

b/ In Bear River Hydrometric Data, Tri-State Investigations report.
c/ Irrigation season records only.
g/ Miscellaneous discharge measurements.

INDEX

Bear River basin - Continued	Drainage Area (Square Miles)	Period of Record
Pruess Creek near Geneva, Idaho	-	1943-44.
Thomas Fork near Raymond, Idaho	202	1942-1952.
Raymond Creek near Raymond, Idaho	-	(1944,45) bcg/.
Diversions from Thomas Fork	-	(1944,45) bcg/.
Thomas Fork at mouth, near Border, Wyo.	-	(1944-48) bcg/.
Diversions from Bear River between Border and Harer gaging stations	-	(1931-) cd/; (1944-) bc/.
Bear River at Harer, Idaho	2,780	1913-16; 1919-
Bear River at Dingle, Idaho	2,890	1903-14.
Bear (Mud) Lake Inlet Canal near Dingle, Idaho	-	1911-13.
Diversions from Bear River between Harer and Stewart Dam gaging stations	-	(1925-) cd/; (1944-) bc/.
Rainbow inlet canal near Dingle, Idaho	-	(1927-) e/; 1945-
Bear River below Stewart Dam near Montpelier, Idaho	-	(1922-) e/; 1945-
Montpelier Creek near Montpelier, Idaho	-	1939-44.
Montpelier Creek at irrigators weir, near Montpelier, Idaho	50.9	1942-
Diversions from Montpelier Creek	-	(1944) bcg/; (1945) bc/.
Montpelier Creek below diversions at Montpelier, Idaho	-	(1944-47) bc/.
Bear Lake (head of Bear Lake Outlet):		
Cottonwood Creek near Laketown, Utah	-	(1944) bcg/; (1945) bc/.

b/ In Bear River Hydrometric Data, Tri-State Investigations report.
c/ Irrigation season records only.
d/ In reports of Watermaster District No. 5-Idaho.
e/ In files of U. S. Geological Survey at Salt Lake City, Utah
g/ Miscellaneous discharge measurements.

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b/ In Bear River Hydrometric Data, Tri State Investigations report.
c/ Irrigation season records only.
g/ Miscellaneous discharge measurements.

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b/ In Bear River Hydrometric Data, Tri-State Investigations report.
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e/ In files of U. S. Geological Survey at Salt Lake City, Utah.
g/ Miscellaneous discharge measurements.

* Gage heights or gage heights and discharge measurements only.

*** Daily contents.

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b/ In Bear River Hydrometric Data, Tri-State Investigations report.
c/ Irrigation season records only.
e/ In files of U. S. Geological Survey at Salt Lake City, Utah.
g/ Miscellaneous discharge measurements.

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g/ Miscellaneous discharge measurements.

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b/ In Bear River Hydrometric Data, Tri-State Investigations report.
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d/ In reports of Watermaster District No. 5-Idaho.
e/ In files of U. S. Geological Survey at Salt Lake City, Utah
g/ Miscellaneous discharge measurements.

*** Daily contents.

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b/ In Bear River Hydrometric Data, Tri-State Investigations report.
c/ Irrigation season records only.
d/ In reports of Watermaster District No. 5-Idaho.
e/ In files of U. S. Geological Survey at Salt Lake City, Utah.
g/ Miscellaneous discharge measurements.

*** Daily contents.

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b/ In Bear River Hydrometric Data, Tri-State Investigations report.
c/ Irrigation season records only.
d/ In reports of Watermaster District No. 5-Idaho.
g/ Miscellaneous discharge measurements.

1/ Published as Cub River Pumps.

INDEX

b/ In Bear River Hydrometric Data, Tri-State Investigations report.
c/ Irrigation season records only.
g/ Miscellaneous discharge measurements.

1/ Twenty-three small pumps in Trenton-Benson area.

INDEX

b/ In Bear River Hydrometric Data, Tri-State Investigations report.
c/ Irrigation season records only.
i/ In reports of Little Bear River Water Commissioner.

INDEX

b/ In Bear River Hydrometric Data, Tri-State Investigations report.
c/ Irrigation season records only.
g/ Miscellaneous discharge measurements.

*** Daily contents
* Gage heights or gage heights and discharge measurements only.

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ANNUAL RUN-OFF OF BEAR RIVER NEAR EVANSTON, WYO.

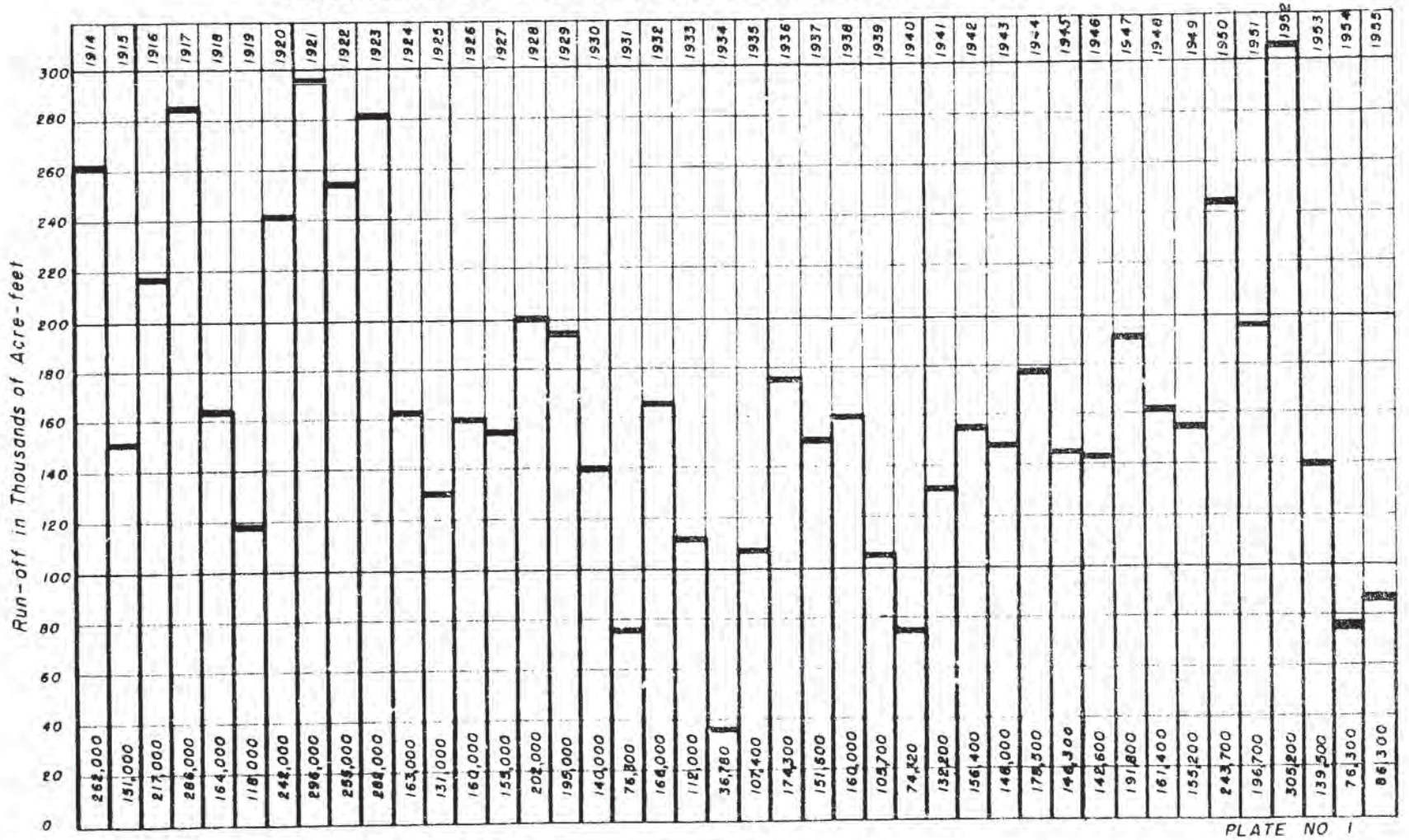


PLATE NO 1

ANNUAL RUN-OFF OF BEAR RIVER AT HARER, IDAHO

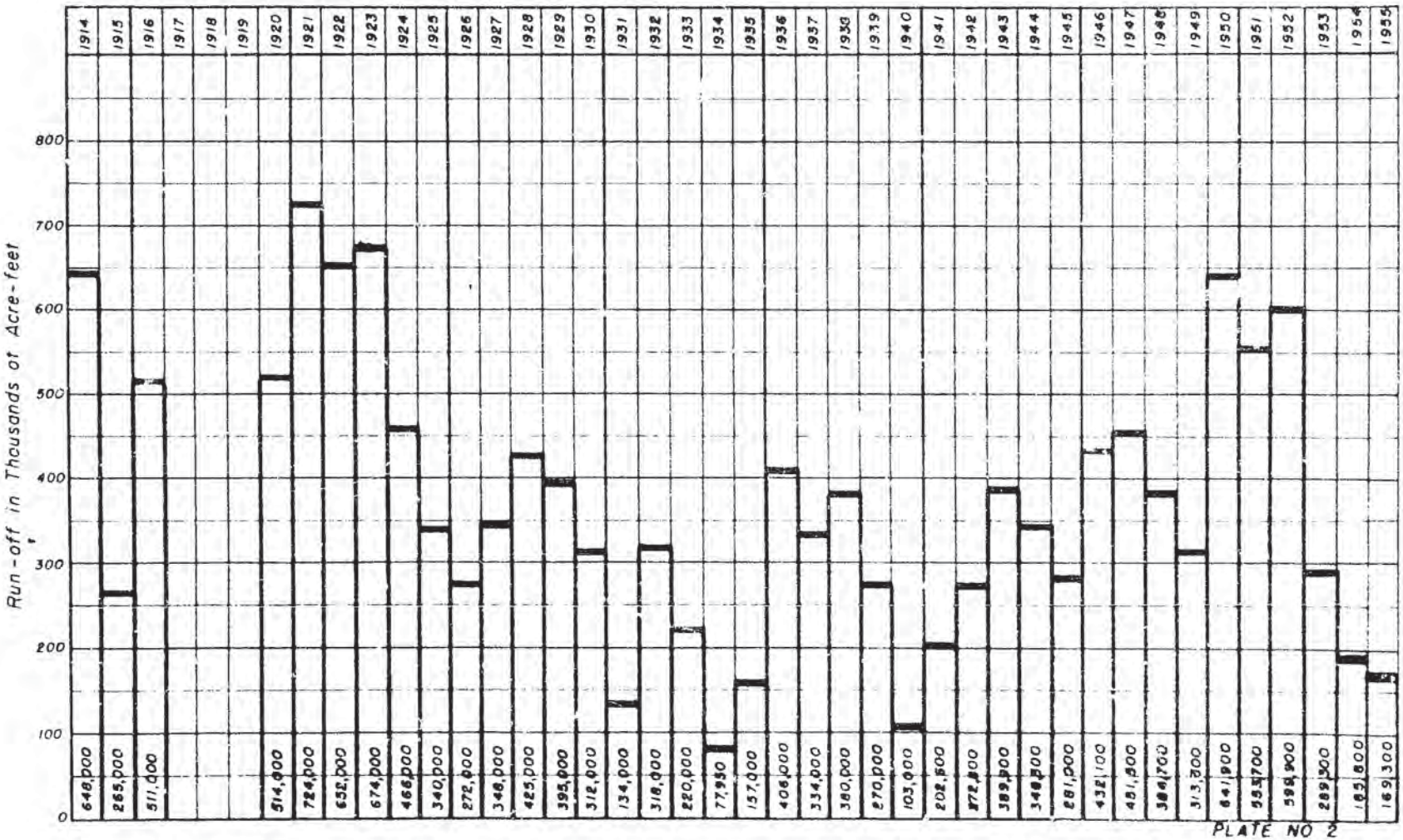


PLATE NO 2

ANNUAL RUN-OFF OF BEAR RIVER NEAR COLLINSTON, UTAH

(Not Adjusted for Bear Lake Storage and Release)

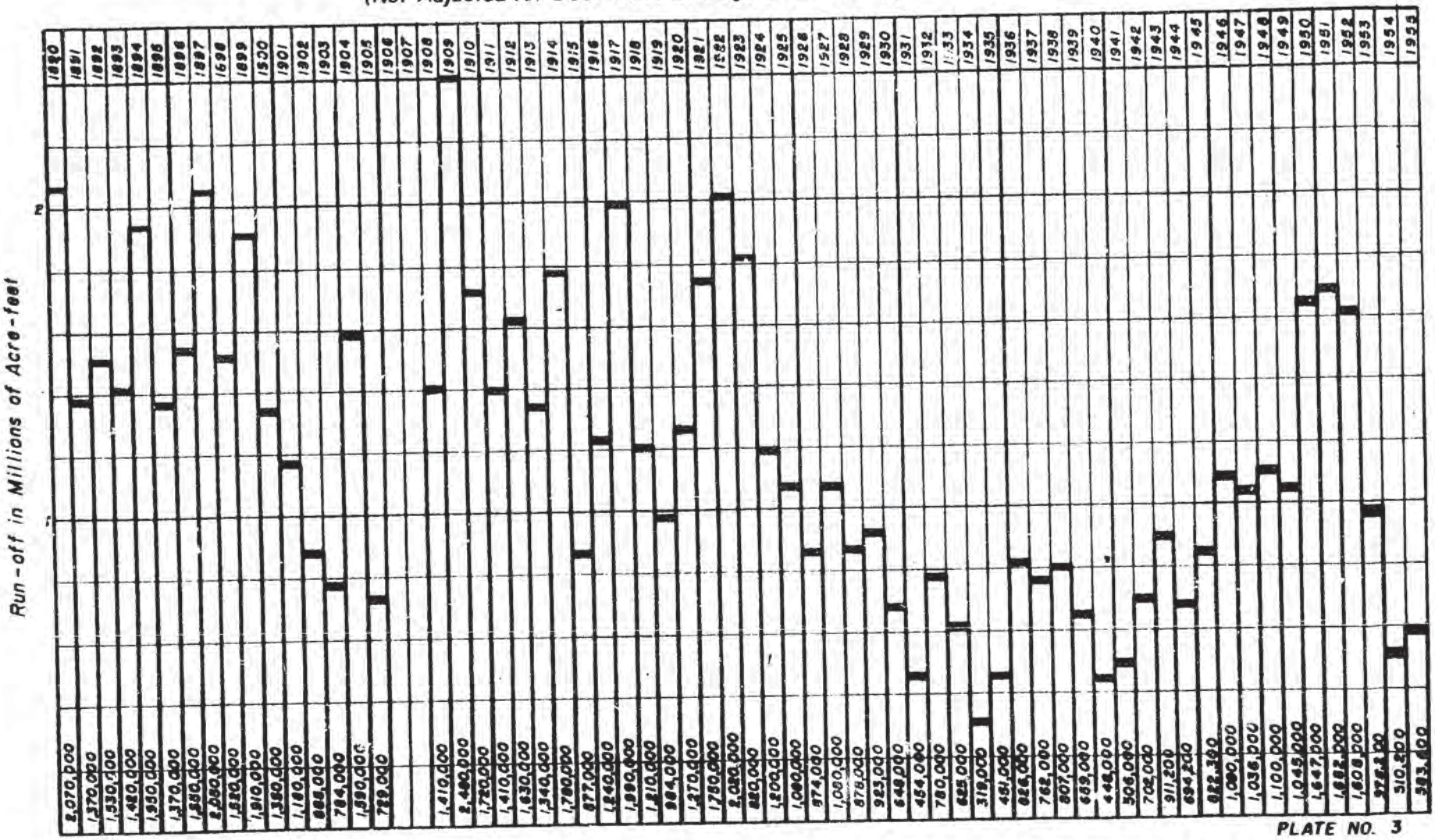


PLATE NO. 3

Daily discharge, in second-feet, of **Bear River near Utah-Wyoming State line** *, for the year ending September 30, 19* **55**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	33	27	28	38	32	32	35	202	548	188	87	37
2	33	27	35	37		32	34	188	428	178	84	35
3	33	26	40	35		32	34	158	372	162	75	34
4	33	25	40	33		28	34	168	338	152	69	33
5	37	24	38		31	28	34	252	313	146	82	32
6	34	25	36			28	34	381	398	132	94	31
7	33	26	34			29	35	548	733	123	104	29
8	32	27	32			30	36	658	1,050	115	84	28
9	35	28	30		33	31	36	628	1,130	104	69	28
10	34	32	31			32	38	673	1,050	91	71	27
11	33	33	32			32	40	787	998	89	62	27
12	32	37	32		31	32	40	865	975	87	58	26
13	35	40	32			32	40	904	896	78	58	25
14	33	35	32			32	48	904	833	73	60	25
15	34	38	31		31		48	703	703	69	58	25
16	34	42	30		31		48	505	666	69	58	25
17	33	37	30		31		58	416	534	69	58	25
18	32	38	30	31		30	51	376	499	67	58	28
19	31	31	31		31		46	459	492	65	58	52
20	29	34	32				48	787	479	67	50	52
21	28	38	33				60	1,010	428	75	44	38
22	29	34	34			31	73	1,120	434	71	42	34
23	34	34	35		30	32	69	1,040	404	82	40	32
24	31	34	35			32	65	1,010	376	118	44	33
25	33	35	33			31	99	904	338	188	58	40
26	34	39	32			30	104	673	296	196	96	51
27	27	37	30		32	30	82	534	280	140	60	44
28	29	35	28			31	75	428	249	118	48	44
29	29	28	32			33	94	404	238	104	44	38
30	27	28	36			34	155	519	208	91	40	37
31	27		40	32		35		688		87	38	
	991	974	1,024	981	869	959	1,693	18,892	16,686	3,396	1,951	1,015
	32.0	32.5	33.0	31.6	31.0	30.9	56.4	609	556	110	62.9	33.8
	1,970	1,930	2,030	1,950	1,720	1,900	3,360	37,470	33,100	6,740	3,870	2,010

Year Mean 135

Acre-Feet 98,050

Plate No. 4

9-211a

UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY—WATER RESOURCES DIVISION File No. _____

Daily discharge, in second-feet, of **Mill Creek at Utah-Wyoming State line** *for the year ending September 30, 19* 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.2	6.5	5.0					50	89	15	7.1	4.5
2	4.4	6.5	5.6					45	67	14	8.0	4.5
3	4.4	6.2	5.3	6.0				40	62	13	6.2	4.5
4	4.7	5.9	6.2			5.5		76	61	12	5.6	4.4
5	4.8	5.6	6.2				7.2	103	62	11	6.5	4.2
6	4.8	5.9	5.9					148	69	8.4	11	4.0
7	4.7	6.2	6.2					175	103	5.9	14	3.9
8	4.7	5.6						164	129	5.9	14	3.9
9	5.6	5.6						139	113	5.6	9.2	3.9
10	5.0	6.5						148	87	5.0	8.4	3.9
11	4.8	6.8		5.0				172	77	5.3	7.7	3.9
12	4.8	7.7						173	73	5.9	6.2	3.7
13	5.9	9.2					8.5	188	63	7.4	5.6	3.4
14	6.2	7.4	5.5					183	65	8.4	5.9	3.4
15	6.5	8.0			5.5			130	108	7.7	6.8	3.3
16	6.8	9.2						92	90	8.0	9.6	3.3
17	6.5	7.4						65	65	10	7.7	3.6
18	5.9	7.4		5.0		6.0	12	56	55	9.2	8.0	4.4
19	5.9	6.2						67	47	8.0	12	7.7
20	5.9	6.5						107	41	8.0	8.4	7.4
21	5.9	7.1						129	36	7.4	6.8	5.9
22	5.6	6.2						149	31	8.4	6.2	5.3
23	5.3	6.5	6.0				16	135	28	10	5.9	4.8
24	6.5	6.5						135	25	12	4.7	5.9
25	7.4	6.5		5.5				133	22	14	5.6	9.2
26	7.4	6.5						104	21	17	9.2	11
27	6.5	5.0						85	20	10	6.2	8.8
28	7.1	4.7	5.0				30	65	18	8.0	5.3	8.0
29	6.8	4.7						69	17	7.1	4.8	7.1
30	6.8	4.8				7.0		76	17	6.5	4.7	6.5
31	6.5							107		6.5	4.5	
	178.3	194.8	171.9	165.5	154.0	185.0	404.5	3,508	1,761	280.6	231.8	158.3
	5.75	6.49	5.55	5.34	5.50	5.97	13.5	113	58.7	9.05	7.48	5.28
	354	386	341	328	305	367	802	6,960	3,490	557	460	314

Mean 20.3

Acre-Feet 14,660

Plate No. 5

9-2110 UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY WATER RESOURCES DIVISION File No. _____

Daily discharge, in second-feet, of Bear River above Sulphur Creek, near Evanston, Wyoming, for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	23	25	25		40			226	549	76	21	11
2	23	25	35					217	420	65	20	10
3	24	25	42	42			48	186	356	54	16	8.0
4	24	24	42					159	338	45	14	7.2
5	25	23						223	294	39	14	6.8
6	27	23			40		50	380	302	50	19	6.4
7	25	23					50	549	476	45	33	6.0
8	22	23					55	697	886	42	34	5.2
9	29	24					60	658	1,050	39	26	5.2
10	26	27					65	664	938	34	22	6.4
11	25	26					75	782	886	27	21	9.6
12	24	26					75	924	846	22	17	7.2
13	27	33					75	918	794	18	17	6.0
14	29	33	42				100	964	704	13	17	5.6
15	29	30				43	100	782	639	11	15	5.6
16	29	34					100	514	597	8.8	16	5.2
17	29	36					110	420	476	8.0	18	5.6
18	30	36		40	40		130	352	405	6.4	18	8.0
19	29	36					120	338	375	4.8	21	18
20	29	32					177	537	361	4.4	20	29
21	29	34					183	756	302	7.2	15	25
22	29	34					171	1,000	290	14	14	21
23	29	32					144	976	273	17	12	20
24	30	32					125	970	258	23	11	21
25	29	30					156	1,010	220	36	14	26
26	30	32					162	834	198	87	22	36
27	30	32			43		115	579	168	57	23	36
28	27	25	42				108	430	128	36	17	30
29	29	21					139	375	91	25	14	29
30	27	21					159	390	80	22	13	27
31	26							561		21	12	
	843	857	1,278	1,250	1,129	1,333	3,074	18,371	13,700	957.6	566	443.0
	27.2	28.6	41.2	40.3	40.3	43	102	593	457	30.9	18.3	14.8
	1,670	1,700	2,530	2,480	2,240	2,540	6,100	36,440	27,170	1,900	1,120	379

Year or Summary: Mean 120; Acre-Feet 86,870

Plate No. 6

UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY—WATER RESOURCES DIVISION

File No. ____

Daily discharge, in second-feet, of **Sulphur Creek near Evanston, Wyoming**, for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8	1.4	2.1		2.8	2.8		52	85	8.1	0.8	1.3
2	.8	1.4			2.8	2.8		49	73	6.2	.8	1.2
3	.8	1.5		3.0	2.8	3.0	5.0	39	64	6.2	.8	1.1
4	.8	1.5			2.8	2.8		34	69	5.7	.8	1.0
5	.9	1.6			2.7	2.5		31	49	4.0	.8	1.0
6	.8	1.5			2.8	2.7	7.0	31	37	3.2	2.7	1.1
7	.8	1.6		2.5	2.8	3.0	10	39	23	2.7	2.4	1.2
8	.7	1.9			2.8	3.0	15	30	18	2.8	1.4	1.0
9	1.3	2.0			2.5	3.2	20	28	20	2.2	1.1	1.0
10	1.3	2.0	2.5		2.3	3.3	25	21	20	2.4	1.0	.9
11	1.1	1.9			2.5	3.5	30	20	23	2.5	1.0	.8
12	1.0	2.8			2.7	3.5	32	22	22	2.5	1.0	.6
13	1.4	3.8			2.7	3.5	50	19	20	1.9	1.2	.5
14	1.3	3.2		2.5	2.7	3.5	80	23	41	1.6	1.3	.5
15	1.1	3.2			2.7	3.5	131	32	62	1.3	1.2	.4
16	1.1	4.9			2.8		205	31	52	1.5	1.1	.5
17	1.1	4.4			3.0		231	25	50	1.4	1.5	.4
18	1.2	4.2			3.0		208	19	36	1.4	1.5	.5
19	1.1	4.6			2.5		87	17	28	1.3	1.8	1.1
20	1.0	4.2			2.3		94	13	28	1.1	1.8	.6
21	1.0	3.8			2.3		127	23	25	1.3	1.9	.8
22	1.2	3.8			2.5	3.0	107	38	18	1.6	2.0	.8
23	1.2	3.8	3.0		2.5		73	25	14	1.9	2.1	.8
24	1.3	3.8			2.5		70	25	14	1.6	2.0	1.0
25	1.6	3.8			2.5		76	68	12	5.1	2.8	1.5
26	1.6	3.8		2.8	2.4		61	108	11	4.2	3.6	1.5
27	1.5	3.5			2.7		34	66	8.3	2.7	3.5	1.0
28	1.4	3.0	2.5		2.7		45	42	7.9	1.5	2.7	.8
29	1.4	2.0				3.5	59	27	7.4	1.0	2.1	.7
30	1.4	2.1				4.0	50	18	9.6	.7	1.6	.6
31	1.4					4.5		28		.7	1.5	
	35.4	87.0	79.6	83.3	74.1 ~~74.1~~	97.6	1,952.0	1,043	947.2	82.3	51.8	26.2
[illegible]	1.14	2.90	2.57	2.69	2.65	3.15	65.1	33.6	31.6	2.65	1.67	.87
[illegible]	70	173	158	165	147	194	3,870	2,070	1,880	163	103	52

Year ~~Percent~~ Mean 12.5

Acre-Feet 9,040

Plate No. 7

9-211a

UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY—WATER RESOURCES DIVISION

File No. ______

Daily discharge, in second-feet, of **Yellow Creek near Evanston, Wyoming** *, for the year ending September 30, 19* **55**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							0	26	7.6	0.4	0	
2							0	26	9.5	.4	0	
3							0	22	8.0	.4	0	
4							0	20	8.4	.3	0	
5							0	18	8.8	.2	0	
6							0	35	7.3	.1	0	
7							0	46	5.6	.3	2.7	
8							0	46	4.6	.5	.4	
9								46	3.8	.1	0	
10							1.0	42	3.6	.1	0	
11							1.5	46	6.9	0	0	
12							2.0	45	5.6	0	0	
13							2.5	40	4.3	0	0	
14							3.0	33	3.6	0	0	
15							10	25	3.6	0	0	
16							30	20	3.0	0	0	
17							50	15	3.0	0	0	
18							35	13	2.1	0	0	
19							8.0	12	1.9	0	0	
20							10	11	1.5	0	0	
21							30	11	3.0	0	0	
22							25	9.9	3.1	0	0	
23							22	9.5	2.3	0	0	
24							18	8.8	1.9	0	0	
25							28	14	1.4	0	0	
26							33	17	.7	0	0	
27							17	14	.5	0	0	
28							15	10	.4	0	0	
29							16	9.5	.3	0	0	
30							17	7.6	.2	0	0	
31								6.5		0	0	
	0	0	0	0	0	0	374.5	704.8	117.3	2.8	3.1	0
[illegible]	0	0	0	0	0	0	12.5	22.7	3.91	.09	.10	0
[illegible]	0	0	0	0	0	0	743	1,400	233	5.6	6.1	0

Year or ~~Period~~ Mean 3.29

Acre-Feet 2,390

Plate No. 8

B-2110 UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY - WATER RESOURCES DIVISION File No. _____

Daily discharge, in second-feet, of **Bear River near Evanston, Wyoming** *, for the year ending September 30, 19* **55**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sept.
1	0	11	24		43	45		289	584	29	3.4	0.9
2	0	11	30					304	507	19	2.8	.8
3	0	11	38	45			50	267	387	18	2.6	.8
4	0	12	46					232	380	15	3.1	.7
5	.6	12	42		43			237	324	9.2	2.4	.5
6	1.1	12					90	358	289	3.6	2.6	.3
7	2.1	12					125	560	354	4.0	71	.2
8	1.8	12					136	715	659	5.2	13	0
9	2.4	12		43			138	715	907	4.8	10	0
10	2.6	14					138	671	898	3.6	7.5	0
11	2.6	18					149	760	328	2.8	5.6	0
12	2.8	15					158	860	780	2.6	3.1	0
13	3.1	17					155	872	746	3.1	2.4	0
14	3.1	21					212	898	624	3.1	2.4	0
15	3.4	19					315	804	667	2.8	2.1	0
16	4.4	23				45	390	560	518	2.1	2.4	0
17	3.4	30			43		607	446	489	1.8	2.6	0
18	3.6	31	45				545	339	394	1.6	3.1	0
19	5.9	34					428	289	336	1.6	4.4	0
20	6.3	32					256	367	301	1.4	4.0	0
21	7.1	32					374	518	272	1.4	3.6	0
22	8.6	38					367	772	237	1.1	3.1	0
23	8.6	38		43			358	868	209	2.4	2.4	0
24	9.2	38					250	820	178	2.4	2.4	0
25	9.7	38					321	916	149	3.4	2.6	.4
26	11	36					306	937	129	3.4	2.6	3.6
27	13	36			45		229	643	103	11	2.4	6.7
28	12	28					185	467	84	11	2.8	7.1
29	11	24					245	358	54	5.6	1.8	6.3
30	10	25					229	321	36	3.6	1.1	5.9
31	12							428		3.4	.9	
	161.4	692	1,350	1,343	1,210	1,395	6,956	17,591	12,423	183.0	176.2	34.2
	5.21	23.1	43.5	43.3	43.2	45.0	232	567	414	5.90	5.68	1.14
	320	1,370	2,680	2,660	2,400	2,770	13,800	34,890	24,640	363	349	68

YEAR OR PERIOD — MEAN 119 — ACRE-FEET 86,310

Plate No. 9

Daily discharge, in second-feet, of Chapman Canal at State line, near Evanston, Wyoming, for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	6.3	8.8			0	45	117	76	8.2	0	0
2	0	4.5	11			0	45	124	76	2.8	0	0
3	0	4.5	17			0	40	107	67	.8	0	0
4	0	4.7	28			0	32	70	67	0	0	0
5	0	5.5	26			0	32	40	62	0	0	0
6	0	5.2	18			0	30	42	54	0	0	0
7	0	5.2	23			0	28	46	54	0	24	0
8	0	5.5	22			0	30	46	77	0	11	0
9	0	6.0	19			0	40	40	98	0	2.2	0
10	0	8.2	15			0	95	42	100	0	1.6	0
11	0	8.5	10			0	95	49	94	0	.9	0
12	0	8.8	0			0	90	48	90	0	.4	0
13	0	5.8	0			5	85	46	87	0	0	0
14	0	7.1	0				95	67	84	0	0	0
15	0	8.5	0				113	57	93	0	0	0
16	0	8.5	0				117	46	85	0	0	0
17	0	12	0				122	39	84	0	0	0
18	0	14	0				105	36	74	0	0	0
19	0	15	0			35 (days 14–25)	93	45	69	0	0	0
20	1.2	20	0				71	56	62	0	0	0
21	1.9	11	0				82	78	54	0	0	0
22	3.0	15	0				82	63	52	0	0	0
23	2.8	16	0				81	55	60	0	0	0
24	4.5	18	0				69	49	53	0	0	0
25	6.0	18	0				82	58	45	0	0	0
26	6.3	17	0				122	74	38	0	0	0
27	6.8	15	0				111	72	31	0	0	0
28	6.0	12	0			45 (days 26–30)	98	63	23	0	0	0
29	6.3	10	0				109	57	15	0	0	0.1
30	5.2	8	0				108	54	10	0	0	.9
31	5.5		0			45		63		0	0	
	55.5	303.8	197.8	0	0	695	2,347	1,849	1,934	11.8	40.1	1.0
Mean	1.79	10.1	6.38	0	0	22.4	78.2	59.6	64.5	.38	1.29	.03
Acre-Feet	110	603	392	0	0	1,380	4,660	3,670	3,840	23	80	2.0

Year ~~or Season~~ Mean 20.4
Acre-Feet 14,760

Plate No. 10

9-2116

UNITED STATES DEPARTMENT OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

File No.

Daily discharge, in second-feet, of **Bear River near Woodruff, Utah** *, for the year ending September 30, 19* **55**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	5.5	4.0					144	430	29	15	
2	0	5.8	6.0					186	492	20	4.4	
3	0	6.1	8.0				10	180	372	16	.4	
4	0	6.1	10					168	316	13	.5	
5	0	6.1	10					174	287	12	.6	
6	0	6.1	8.0				35	230	237	11	.9	
7	0	6.4	8.0			45		368	212	9.3	3.1	
8	0	6.4	7.0					552	295	9.3	4.4	
9	0	7.1	6.0					640	571	8.4	8.4	
10	0	6.1	8.0				70	608	751	7.1	5.5	
11	0	5.8	8.0					628	712	6.1	3.6	
12	0	7.1	10					712	672	5.8	2.6	
13	0	7.1			43		70	777	634	5.0	2.2	
14	0	7.6					130	744	615	4.7	2.0	
15	0	8.0		43			200	777	653	3.8	1.4	
16	0	9.3					300	634	559	3.6	1.3	
17	0	11					469	424	492	3.6	2.0	
18	0	9.7					500	332	377	3.3	2.2	
19	0	9.3				15	350	252	303	3.1	2.0	
20	0	8.4					256	223	248	2.6	1.4	
21	0	7.1					248	303	234	2.4	1.3	
22	0	7.1	43				295	463	206	2.2	1.2	
23	0	7.1					283	660	163	2.0	.8	
24	1.7	7.1					226	672	124	9.5	.5	
25	4.7	8.0					206	790	98	8.0	.5	
26	3.3	8.0			45		196	871	86	4.1	.3	
27	3.6	8.0					177	679	73	3.1	0	
28	4.1	6.0				5.0	124	469	64	2.2	0	
29	4.4	6.0					117	324	40	1.3	0	
30	4.7	4.0					144	244	35	1.2	0	
31	5.5							264		.9	0	
	32.0	213.4	910.0	1,333	1,210	795	4,796	14,492	10,351	213.6	68.5	0
Mean	1.03	7.11	29.4	43	43.2	25.6	160	467	345	6.89	2.21	0
Acre-Feet	63	423	1,800	2,640	2,400	1,580	9,510	28,740	20,530	424	136	0

YEAR OR PERIOD — MEAN 94.3 — ACRE-FEET 68,250

Plate No. 11

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY WATER RESOURCES DIVISION

Daily discharge, in second-feet, of **Woodruff Creek near Woodruff, Utah** *for the year ending September 30, 19* **55**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	9.5			8.2		10	60	71	22	11	9.0
2	12	9.5		9.0	8.2		13	57	66	21	10	9.0
3	12	9.0	9.0		8.5	9.0	12	56	63	20	10	9.0
4	14	9.0			8.0		11	54	64	20	10	9.0
5	15	9.0		9.0	9.0		15	70	64	19	10	9.0
6	13	9.5			8.5	8.0	14	92	70	18	2	9.0
7	12	9.5	9.0		8.5	8.2	12	111	74	18	12	9.0
8	14	8.5			8.5	8.0	15	132	74	18	12	8.5
9	16	8.5			8.5	9.0	20	109	70	16	10	9.0
10	15	10	10			8.2	26	122	64	16	10	9.0
11	12	11	10			7.5	27	143	60	16	10	9.0
12	13	21	10				24	167	56	16	9.5	9.0
13	16	17	10	7.0			25	192	53	16	10	9.0
14	15	12	10				34	204	54	15	10	9.0
15	12	10	10				36	166	49	14	10	9.0
16	12	16					33	128	46	15	9.5	9.0
17	12	13			7.5	8.5	35	109	44	14	13	9.5
18	12	12					32	111	40	13	13	9.5
19	12	9.5					28	150	38	13	12	13
20	12	9.0					26	189	37	13	12	11
21	12	10					28	186	35	12	10	10
22	12	8.5				9.5	30	213	33	12	10	9.5
23	10	9.0	8.0			9.0	31	184	30	12	10	9.5
24	12	9.0		7.5		9.2	31	157	29	12	10	10
25	13	8.2			8.0	8.5	40	130	27	14	9.5	12
26	12	8.2				8.0	47	107	26	12	9.5	12
27	10	8.5			9.0	8.5	40	93	26	12	9.5	10
28	9.5	7.5		6.9		8.5	37	74	25	11	9.5	9.5
29	9.5	6.5		6.5		8.5	41	68	23	11	9.5	9.5
30	9.5	6.5		7.2		10	49	73	23	10	9.0	9.5
31	9.5			7.5		10		85		10	9.0	
	382.0	304.4	269.0	230.6	225.4	267.6	822	3,792	1,434	461	321.5	288.0
	12.9	10.1	8.68	7.44	7.98	8.63	27.4	122	47.8	14.9	10.4	9.60
	760	604	534	457	443	531	1,630	7,520	2,840	914	638	571

24.1

17,449

Plate No. 12

Form 9-331e — United States Department of the Interior, Geological Survey – Water Resources Division — Log No.

Daily discharge, in second-feet, of **Birch Creek near Woodruff, Utah** for the year ending September 30, 19**55**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0					0.5	5.6	6.5	13	20	0.2
2		0	0.2				.6	5.2	6.0	14	20	.1
3		0					.5	5.8	5.6	15	20	.1
4		0					.5	6.5	5.4	15	20	.1
5		.1					.5	8.7	5.0	17	20	.1
6		.1					.5	10	4.8	29	20	.1
7		.1					.5	12	4.6	30	20	.1
8		.2					.6	11	4.4	29	20	.1
9		.2					1.1	10	4.2	28	19	.1
10		.2					1.4	11	4.0	31	19	.1
11		1.4					1.3	12	3.8	30	19	.1
12		2.6					1.3	12	3.6	29	18	.2
13		.5					1.4	13	3.5	28	18	.6
14		.3					2.3	13	4.0	27	18	.7
15		.3		0.2	0.3	0.4	2.6	11	3.8	26	17	.8
16		.4					2.8	9.9	3.5	26	16	.8
17		.4					3.0	9.2	3.5	26	17	.8
18		.4	.2				2.8	8.7	3.0	26	16	.8
19		.4					2.4	8.5	2.8	25	15	1.1
20		.4					2.8	9.0	2.6	25	14	.9
21		.4					2.4	9.2	2.6	24	14	.9
22		.4					2.8	9.7	2.4	24	14	.9
23		.4					2.8	9.2	2.8	24	13	.9
24		.4					2.8	9.0	3.3	22	12	.8
25		.4					3.5	8.7	2.8	21	11	.9
26		.4					4.4	8.0	2.6	20	4.2	.8
27		.3					3.8	7.8	2.4	19	1.8	.8
28		.2					3.3	6.9	2.3	19	6.2	.8
29		.1					3.8	6.5	7.1	19	.6	.7
30		.2					4.6	6.2	12	19	.4	.7
31						.4		7.3		20	.3	
	0	11.2	6.2	6.2	8.4	12.4	63.6	280.6	124.9	720	445.5	16.1
Mean	0	.37	.2	.2	.3	.40	2.12	9.05	4.16	23.2	14.4	.53
Acre-Feet	0	22	12	12	17	25	126	557	248	1,430	884	32

Year Mean 4.64

For Period Acre-Feet 3,360

Plate No. 13

9-211c

UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY—WATER RESOURCES DIVISION

File No. _____

Daily discharge, in second-feet, of **Big Creek near Randolph, Utah** *, for the year ending September 30, 19* **55**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.8	7.6					5.8	10	22	12	9.5	7.6
2	7.6	7.8					6.8	12	20	12	9.2	7.3
3	7.3	7.8		7.0			6.0	12	18	12	8.6	7.3
4	7.3	7.8			6.5		6.0	11	18	11	8.3	7.3
5	7.3	8.1	7.0				6.5	12	18	11	8.3	7.0
6	7.0	7.8					6.3	15	17	11	8.9	7.0
7	7.3	8.1					7.0	17	18	11	9.8	7.3
8	7.3	8.3					8.3	23	18	11	9.2	7.3
9	8.1	8.3					10	23	19	10	8.6	7.3
10	8.1	7.3					12	23	18	10	8.2	7.3
11	8.1	6.8					10	25	18	10	8.6	7.6
12	7.8	9.2	8.0				8.9	28	17	10	8.6	7.3
13	8.9	8.3		6.0			9.5	31	16	9.8	9.8	7.3
14	7.8	7.0					10	35	17	5	10	7.3
15	8.1	7.0				6.5	9.5	32	16	.9	9.8	7.3
16	8.1	7.8					8.3	28	16	9.2	9.8	7.3
17	7.6	7.6			5.5		8.9	26	16	9.8	10	7.6
18	7.3	7.0	6.0				8.3	25	15	9.5	9.8	7.6
19	7.0	7.0					7.3	26	15	10	9.8	9.5
20	7.0	7.0					6.8	28	15	11	8.6	8.1
21	6.8	6.5					6.3	28	15	12	8.1	7.6
22	6.5	6.5					6.3	31	14	12	7.8	7.3
23	6.5	6.5					6.0	29	14	12	7.8	7.3
24	7.3	6.3					5.3	28	14	12	7.8	7.6
25	7.8	7.0			6.0		6.3	26	14	12	8.3	8.6
26	7.6	6.5	6.0	6.5			6.8	24	14	12	8.9	8.3
27	7.8	6.5			6.5		6.5	23	13	11	8.6	7.6
28	7.6	6.0					5.8	20	13	10	8.3	7.3
29	7.8	5.5					6.0	19	13	10	8.1	7.0
30	7.8	5.5				5.3	7.6	19	13	9.8	7.8	7.0
31	7.8					5.3		24		9.5	7.6	
	234.1	216.4	207.0	196.5	166.5	199.1	225.1	713	484	331	273.2	225.2
	7.55	7.21	6.68	6.34	5.95	6.42	7.50	23.0	16.1	10.7	8.81	7.51
	464	429	411	390	330	395	446	1,410	960	657	542	447

YEAR OR ~~Period~~ MEAN 9.51

ACRE-FEET 6,880

Plate No. 14

9-211c

UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY WATER RESOURCES DIVISION

File No. _____

Daily discharge, in second-feet, of **Randolph Creek near Randolph, Utah** for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.1			4.6	4.8	4.5	4.8	2.1	6.1	1.9	2.0	4.0
2	3.3			4.8	4.8	4.5	5.2	2.0	6.1	1.9	1.9	4.0
3	2.6			4.8	4.8	4.5	4.8	1.9	5.8	1.9	1.8	4.0
4	2.4		5.0	4.8	4.4	4.6	4.6	2.0	5.8	2.0	1.7	4.0
5	2.3			4.5	4.6	4.6	4.8	2.3	5.4	3.3	1.7	4.0
6	2.3	2.0		4.8	4.6	4.6	5.0	2.2	5.4	3.0	2.0	4.0
7	2.3			4.5	4.6	4.6	5.6	2.7	5.2	1.7	2.1	3.0
8	2.3		5.2	4.5	4.6	4.6	6.1	2.6	5.2	2.3	2.2	1.4
9	2.6		5.0	4.5	4.5	4.6	6.1	3.4	5.4	2.6	2.0	1.5
10	2.7		5.2	4.6	4.2	4.3	6.3	5.8	3.6	3.1	2.0	1.6
11	2.6		5.4	4.6	4.0	4.4	5.4	5.8	2.1	4.8	3.4	2.6
12	2.6		5.6	4.6	4.2	4.6	5.6	5.8	2.2	4.8	4.2	3.6
13	3.1	3.0	5.6	4.6	4.5	4.4	5.4	5.6	2.1	4.6	4.2	3.6
14	2.8	4.0	5.4	4.6	4.9	4.4	5.0	5.6	2.2	4.6	4.2	3.6
15	2.8		5.4	4.5	5.2	4.4	3.1	5.6	2.1	4.6	4.0	3.6
16	2.8		5.2	4.4	4.8	4.6	2.6	5.4	2.3	4.4	4.2	3.6
17	2.8		5.0	4.4	4.4	4.6	5.0	5.4	2.6	4.4	4.2	3.1
18	2.7		4.8		4.2	4.6	5.8	5.4	2.2	4.4	2.1	3.0
19	2.7		4.6	4.5	4.4	4.6	5.6	5.6	2.2	4.4	1.8	3.1
20	2.7		4.5		4.8	4.4	5.8	5.6	2.7	4.4	1.6	2.8
21	2.7		5.0		4.6	4.6	5.8	5.6	2.6	4.6	1.7	2.7
22	2.7		5.0		4.6	4.6	3.8	5.4	2.2	4.6	4.2	2.4
23	2.6	5.0	5.4		4.6	4.5	2.2	5.2	2.1	4.6	4.2	2.4
24	2.4		5.6	5.0	4.6	4.5	2.4	3.6	2.0	4.6	4.4	2.7
25	1.9		4.8		4.6	4.5	2.2	2.8	2.1	4.8	4.4	2.2
26			4.8		4.6	4.5	2.0	3.3	3.3	4.8	4.4	2.2
27			4.5		4.6	4.4	2.2	3.4	4.8	4.4	4.2	2.1
28	2.0		4.5	5.0	4.4	4.6	2.2	3.4	3.0	3.4	4.0	2.0
29			4.6	5.2		4.8	2.6	3.0	2.1	4.6	4.0	2.1
30			4.6	4.8		4.6	2.0	4.2	2.0	4.6	4.0	2.3
31			4.5	4.6		4.6		6.8		4.0	4.0	
	77.8	111.0	155.2	146.2	127.8	141.1	130.0	129.5	102.9	118.1	96.8	87.2
	2.51	3.70	5.01	4.72	4.56	4.55	4.33	4.18	3.43	3.81	3.12	2.91
	154	220	308	290	253	280	258	257	204	234	192	173

Mean 3.90

Acre-Feet 2,820

Plate No. 15

9-2116 UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION File No. _____

Combined

~~xxxx~~ Discharge, in second-feet, of Otter Creek, South Branch and Middle Branch Otter Creek above Diversions near Randolph, Utah for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12.5	12.5	12	11	11.5	12	13	13	13	12.5	12.5	11.5
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									12			
31												
	387.5	375.0	372	341	322	372	390	403	375	387.5	387.5	345.0
	12.5	12.5	12	11	11.5	12	13	13	12.5	12.5	12.5	11.5
	769	744	738	676	639	738	774	799	744	769	769	684

Note: Formerly published as North, Middle and South Fork Otter Creek near Randolph, Utah.

Year ... 12.2

Acre-feet ... 8,840

Plate No. 16

Daily discharge, in second-feet, of **Bear River near Randolph, Utah** , for the year ending September 30, 19**55**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.7	17	9.0					71	146	62	15	28
2	6.7	18	13					68	218	57	15	26
3	6.7	17	16	42			18	56	232	51	14	26
4	7.0	16	22					44	252	44	13	26
5	7.0	17	22					39	264	37	13	26
6	7.0	18	21	40				36	245	34	13	25
7	7.0	17	20	40			40	36	212	33	16	25
8	7.0	16	19			50	80	35	169	30	17	24
9	7.4	13	17				110	32	124	28	16	23
10	7.4	13	15				130	34	105	26	38	20
11	7.0	15	18				160	62	85	24	55	11
12	.4	19	18				200	78	85	22	42	8.6
13	7.8	22	25		40		240	52	94	21	41	7.4
14	9.0	17					273	56	110	23	40	7.0
15	8.6	16					262	70	124	23	36	6.7
16	8.2	16					236	96	149	21	35	6.4
17	7.8	15					214	118	189	18	34	6.4
18	7.8	12					232	110	230	16	34	7.0
19	8.2	11					294	85	260	19	36	7.8
20	8.2	11		40			300	75	243	29	37	6.4
21	7.8	12					252	63	201	28	37	6.1
22	9.0	13					185	59	164	27	36	6.1
23	15	13	38			18	128	55	153	28	35	6.1
24	17	13					116	51	131	27	35	6.1
25	17	14					136	62	108	30	35	6.4
26	18	17					136	69	89	30	34	6.7
27	17	17			50		98	98	82	27	35	6.4
28	17	15					89	149	79	25	36	6.1
29	17	9.0					84	134	76	23	32	5.8
30	16	9.0					83	116	73	23	30	5.8
31	16							124		18	29	
	316.7	448	919	1,250	1,150	1,006	4,186	2,233	4,692	904	934	385.3
MEAN	10.2	14.9	29.6	40.3	41.1	32.5	140	72.0	156	29.2	30.1	12.8
SECOND-FEET	628	889	1,820	2,480	2,280	2,000	8,300	4,430	9,310	1,790	1,850	764

YEAR OR ~~PERIOD~~ MEAN 50.5

ACRE-FEET 36,540

Plate No. 17

9-911c UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY WATER RESOURCES DIVISION File No. _____

Daily discharge, in second-feet, of **Twin Creek at Sage Wyoming** *, for the year ending September 30, 19*55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.5	6.6	3.5					43	43	9.0	4.7	2.7
2	2.7	6.2	3.8					45	62	9.4	4.9	2.4
3	3.0	6.2		5.0			6.5	28	60	9.4	4.7	1.5
4	3.3	5.8				5.0		21	62	8.3	4.4	1.0
5	3.5	5.8						27	48	7.6	4.4	1.2
6	4.1	5.8					10	29	35	6.6	4.4	1.2
7	3.8	5.8					13	35	29	6.6	13	1.3
8	3.8	5.8					17	35	23	6.9	6.2	1.7
9	4.4	8.0					20	31	13	6.9	5.8	1.7
10	4.7	6.9					25	28	13	6.2	4.4	1.8
11	3.8	5.8	4.0				28	25	13	4.9	4.4	1.5
12	3.8	8.6					35	20	13	6.2	3.5	1.5
13	4.4	11		4.0	4.5		47	16	13	6.2	3.8	2.0
14	3.8	8.0					66	17	14	7.2	4.4	2.0
15	3.5	6.9					94	18	18	6.2	4.9	1.8
16	3.8	7.2					78	18	17	5.2	5.2	2.0
17	3.8	7.2					92	17	28	5.8	5.8	2.4
18	3.5	6.6				5.5	82	14	23	5.5	5.5	2.7
19	3.5	6.2					72	12	16	5.5	4.1	4.9
20	3.5	5.8					34	12	14	4.9	3.5	5.8
21	3.8	5.8					51	12	13	4.9	3.3	4.1
22	3.8	5.8					66	15	11	4.9	3.3	4.7
23	3.9	5.8	5.0				36	15	9.0	5.2	3.3	5.2
24	3.8	5.8					26	16	9.0	22	2.7	4.9
25	3.3	5.5		4.5			60	21	8.6	8.6	2.5	5.5
26	3.5	5.5					72	29	8.6	8.0	3.3	7.2
27	3.8	5.2			5.0		32	25	8.6	5.8	4.1	7.2
28	3.5	4.1	4.0				18	18	8.6	5.5	4.1	5.2
29	4.5	3.0				5.8	32	16	8.3	4.7	3.0	4.9
30	7.6	3.0				6.2	47	15	9.0	4.1	3.5	4.9
31	6.6					6.5		20		3.8	4.1	
	121.3	185.7	128.3	134.5	127.5	169.0	1,185.5	693	650.7	212.0	139.2	96.9
	3.91	6.19	4.14	4.34	4.55	5.45	39.5	22.4	21.7	6.84	4.49	3.23
Acre-Feet	241	368	254	267	253	335	2,350	1,370	1,290	420	276	192

YEAR OR PERIOD — MEAN 10.5 — ACRE-FEET 7,620

Plate No. 18

9-2116 UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY WATER RESOURCES DIVISION File No. _____

Daily discharge, in second-feet, of **Bear River below Pixley dam, near Cokeville, Wyoming** *, for the year ending September 30, 19* **55**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	21	28	15					21	12	115	28	37
2	18	28	20					21	15	69	28	35
3	17	28	25	50			40	20	27	58	27	34
4	17	28	30					20	43	66	32	36
5	17	28	30					20	250	64	41	35
6	17	28	29					20	258	60	29	34
7	17	28	27				60	20	222	57	27	33
8	17	28	25			55	120	18	164	59	29	33
9	18	26	23				160	16	140	56	32	33
10	18	26	21				180	14	98	51	41	34
11	17	26	25				210	14	39	47	43	32
12	18	26	25				250	12	59	44	66	29
13	18	30	30		48		300	8.6	56	42	65	28
14	19	34					350	8.6	51	39	56	26
15	20	33					375	9.0	54	40	55	23
16	20	30					325	9.0	57	39	52	22
17	20	29					287	8.6	59	37	49	21
18	19	28		48			280	8.6	67	35	49	20
19	19	26					291	8.6	81	34	46	20
20	20	23					320	8.6	102	34	47	21
21	19	23					282	9.0	126	33	48	21
22	19	23					88	9.0	134	34	49	20
23	18	23	45			30	12	10	125	33	48	20
24	23	24					16	11	107	33	47	20
25	26	24					22	11	90	35	47	19
26	28	25					21	10	72	37	50	20
27	28	25			55		20	9.8	58	42	51	20
28	28	22					21	10	47	40	47	19
29	28	15					21	11	38	35	47	18
30	28	15					21	11	86	32	45	18
31	28							12		31	41	
	640	780	1,135	1,498	1,365	1,280	4,272	399.4	2,737	1,431	1,362	781
	20.6	26.0	36.6	48.3	48.8	41.3	142	12.9	91.2	46.2	43.9	26.0
	1,270	1,550	2,250	2,970	2,710	2,540	8,470	792	5,430	2,840	2,700	1,550

YEAR OF REVISION — MEAN 48.4 — ACRE-FEET 35,070

Plate No. 19

D-9110 UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY—WATER RESOURCES DIVISION File No. _____

Daily discharge, in second-feet, of **Bear River above Sublette Creek, near Cokeville, Wyoming** *, for the year ending September 30, 19* 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	35	34	20					88	64	219	42	43
2	29	35	25					93	119	162	40	40
3	27	35	30	55				93	181	102	40	40
4	28	35	33				60	88	233	102	40	40
5	28	35	33			60		85	376	98	51	40
6	28	35	32					78	418	92	44	40
7	27	35	30					74	355	89	40	38
8	27	35	28				100	68	276	97	40	38
9	30	34	26				140	63	235	96	42	37
10	29	34	25				180	45	206	92	49	37
11	27	33	30				250	41	127	83	49	37
12	26	36	30				300	39	134	78	66	36
13	28	38	45		50	65	380	32	133	74	72	34
14	27	39					450	30	127	70	62	32
15	27	39					500	30	129	69	58	30
16	28	37					450	31	130	66	58	29
17	28	35					400	30	134	65	56	29
18	28	34		50			317	30	134	64	54	28
19	27	34					315	30	148	57	53	30
20	27	31					339	28	162	55	51	29
21	27	30					325	27	184	50	51	29
22	27	30					206	29	198	49	51	28
23	27	30	48			40	50	32	192	48	51	27
24	27	31					46	36	182	46	51	27
25	31	30					65	39	166	49	51	28
26	34	30					66	40	152	49	56	30
27	35	29			60		63	39	134	51	59	29
28	35	26					62	38	123	54	52	27
29	35	20					68	39	110	51	51	26
30	35	20					77	41	164	47	50	26
31	34							49		44	47	
	908	979	1,251	1,575	1,430	1,565	5,569	1,505	5,426	2,368	1,577	984
	29.3	32.6	40.4	50.8	51.1	50.5	186	48.5	181	76.4	50.9	32.8
	1,800	1,940	2,480	3,120	2,840	3,100	11,050	2,990	10,760	4,700	3,130	1,950

Year or Period — Mean 68.9 — Acre-Feet 49,860

Plate No. 20

9-211a

UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY WATER RESOURCES DIVISION File No. ______

Daily discharge, in second-feet, of **Smiths Fork near Border, Wyoming**, for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	87	74	60					146	402	287	153	97
2	85	74	60					168	405	278	159	94
3	85	73	70	70		60	55	172	394	265	151	94
4	85	73	73					159	413	259	146	94
5	85	73	66					191	444	253	144	94
6	84	73						259	476	248	144	92
7	84	72					60	330	506	242	148	90
8	82	72				50	65	372	546	237	144	90
9	87	72					75	351	574	231	138	90
10	87	72					85	362	569	226	134	90
11	85	72					85	383	564	223	132	90
12	84	74					80	387	551	221	130	89
13	90	74				55	80	398	520	213	132	87
14	85	72					92	409	511	205	132	85
15	85	72	65	60	55		96	402	481	195	126	85
16	84	79					92	344	472	191	130	85
17	85	74					105	313	456	188	132	85
18	85	72					105	300	440	188	124	87
19	84	68				50	97	326	421	186	122	94
20	82	70					89	380	409	181	118	90
21	82	70					94	[illegible]	398	186	116	87
22	80	68					97	468	390	195	114	85
23	80	70					96	464	387	203	110	85
24	80	72				50	90	460	383	203	108	85
25	80	72					103	440	369	205	112	87
26	80	73					103	413	348	188	108	99
27	78	73					92	394	330	177	108	90
28	78	68	60				90	358	313	170	105	89
29	76	60		55		52	99	337	310	166	101	85
30	76	60	65				122	344	300	161	101	84
31	76		70					394		157	99	
	2,566	2,141	2,004	1,880	1,540	1,637	2,522	10,641	13,082	6,528	3,921	2,678
Mean	82.8	71.4	64.6	60.6	55	52.8	84.1	343	436	211	126	89.3
Acre-feet	5,090	4,250	3,970	3,730	3,050	3,250	5,000	21,110	25,950	12,970	7,780	5,310

Year or ~~Period~~ Mean 140

Acre-Feet 101,400

Plate No. 21

Daily discharge, in second-feet, of Bear River below Smiths Fork near Cokeville, Wyoming, for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	97	133	105	115	130	133	152	265	353	424	137	112
2	85	133	110	115	130	150	163	292	444	344	133	108
3	79	130	135	117	133	135	171	309	515	272	133	106
4	79	130	137	110	130	130	186	292	578	254	128	106
5	82	125	135	105		125	186	276	721	246	128	106
6	82	125	128	100		125	194	317	825	225	125	106
7	85	123	140	100		130	213	399	781	203	123	106
8	83	121	135	100	125	135	246	464	732	200	125	104
9	90	121	120	100		135	292	459	727	200	128	102
10	95	123	121	110		140	362	439	705	191	135	100
11	94	123	133	110		137	444	444	641	180	135	100
12	94	130	128			140	495	454	625	180	142	100
13	100	142	121		130	140	552	454	620	188	155	100
14	106	140				140	641	474	583	200	145	100
15	110	142	125	110		135	716	480	588	183	142	100
16	110	145			130	135	689	449	557	177	145	97
17	110	145			130	135	667	399	536	169	142	97
18	110	140	120		130	140	578	366	510	163	135	97
19	110	137		120		150	541	357	505	155	133	106
20	110	135		130		145	536	376	500	145	128	99
21	115	135		125	125	140	521	429	510	150	128	95
22	115	133	115	120		147	429	480	526	145	125	95
23	115	135		130		147	250	474	495	145	125	94
24	115	135		128	130	145	209	454	464	140	125	95
25	119	135	117	125	133	140	246	444	444	150	125	99
26	133	135		125	130	125	265	414	414	150	125	110
27	140	133	110	125	133	125	239	390	380	145	140	115
28	137	123		125	130	130	225	357	339	147	128	115
29	137	115		120		140	219	309	313	145	123	115
30	140	106	112	120		150	242	284	348	137	121	117
31	137		110	130		150		309		137	117	
Total	3,314	3,928	3,737	3,575	3,594	4,274	10,869	12,109	16,279	5,890	4,079	3,102
Mean	107	131	121	115	128	138	362	391	543	190	132	103
Acre-Feet	6,570	7,790	7,410	7,090	7,130	8,480	21,560	24,020	32,290	11,680	8,090	6,150

Year: Mean 205; Acre-Feet 148,300

Plate No. 22

9-211c UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY—WATER RESOURCES DIVISION File No. _____

Daily discharge, in second-feet, of Bear River at Border, Wyoming *, for the year ending September 30, 19* 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	101	150	115			145	160	268	236	382	144	124
2	91	148	120	125	145	165	165	286	293	349	142	117
3	89	147				150	170	302	370	295	142	116
4	90	147				145	180	300	451	254	139	112
5	93	142	150	115		140	185	282	549	239	132	116
6	100	139				140	195	298	726	226	147	107
7	111	139					210	361	672	197	144	91
8	93	136		110	140	145	230	430	653	184	142	90
9	92	134	145				270	458	634	182	148	90
10	97	136	145				350	430	623	177	153	90
11	101	137					400	430	582	165	153	95
12	97	147				150	470	444	541	161	150	98
13	103	153					520	447	556	161	160	97
14	103	152	140	120			600	461	530	175	147	98
15	110	153			140		702	469	534	163	137	98
16	111	158				145	706	454	512	160	137	100
17	122	156					702	399	497	153	139	100
18	116	150	135			150	608	361	469	148	134	100
19	134	148		130		160	549	307	469	142	131	108
20	129	145			135	155	523	312	458	131	137	105
21	134	144				150	519	339	458	132	136	104
22	139	144		140			458	389	451	129	137	104
23	137	142	130			155	298	396	419	129	134	112
24	137	144					224	349	399	150	134	114
25	139	144				150	247	293	386	155	136	112
26	144	144		140	140	140	279	279	367	158	131	124
27	153	147				140	256	270	349	153	142	131
28	155	132	125			140	234	259	324	150	137	137
29	153	125		130		150	232	218	300	150	134	142
30	155	115		130		160	241	201	298	147	131	139
31	153			145		160		202		140	129	
	3,682		4,200		3,910		10,883		14,106		4,339	
		4,298		3,930		4,625		10,694		5,637		3,271

Mean	119	143	135	127	140	149	363	345	470	182	140	109
Cfs	7,300	8,520	8,330	7,800	7,760	9,170	21,590	21,210	27,980	11,180	8,610	6,490

Mean 202

Acre Feet 145,900

Plate No. 23

UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY—WATER RESOURCES DIVISION File No. _____

Daily discharge, in second-feet, of **Thomas Fork near Wyoming-Idaho State line** _____, for the year ending September 30, 19 **55**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9.6	10	9.9			10	10	46	67	46	17	11
2	9.2	9.9	10			10	11	50	105	42	17	11
3	9.6	9.9	11	10		9.6	10	51	88	41	16	10
4	9.6	10	11			9.2	9.8	46	104	38	15	10
5	9.6	9.9	12			8.4	9.5	56	118	35	15	10
6	9.6	9.9	12			8.4	9.5	90	131	34	15	9.9
7	9.6	9.9	11			9.6	11	110	119	34	17	10
8	9.6	9.6	10			9.2	13	126	107	33	17	9.9
9	9.6	9.6	9.6			8.9	18	110	100	32	16	9.9
10	9.6	9.6	11			9.2	23	105	94	31	15	9.9
11	9.6	9.9	11			9.2	21	108	90	29	15	9.9
12	9.6	10	11			9.2	20	105	88	28	14	9.9
13	9.6	11	11			9.2	25	105	84	28	15	9.6
14	9.6	8.9	11			8.9	35	98	86	26	15	9.6
15	9.6	8.4	11	9.5	9.0	8.6	42	90	81	26	15	9.2
16	9.9	11	11			8.6	40	78	74	24	15	9.2
17	9.9	10				8.9	50	68	71	23	16	9.2
18	9.9	11				8.9	41	61	67	23	17	9.6
19	9.9	10				9.2	36	60	65	22	15	11
20	9.9	9.9				8.9	29	60	62	23	14	12
21	9.9	9				8.6	33	60	60	23	13	11
22	9.9	10				8.9	37	65	57	22	12	11
23	10	11				9.2	34	57	57	25	12	11
24	10	10	10			9.2	31	56	54	25	12	11
25	10	11		9.2		8.8	41	56	53	26	12	12
26	10	10		8.9		8.2	46	54	51	24	14	16
27	10	11		8.9		8.0	31	54	48	22	13	14
28	10	11		8.6		8.5	26	50	47	19	12	12
29	10	9.9		8.5		9.5	28	48	46	19	11	11
30	10	10		8.8		11	40	46	49	18	12	11
31	10			9.0		10		57		17	11	
	302.9	303.3	323.5	292.4	252	282.0	810.8	2,226	2,323	858	445	320.8
MEAN	9.77	10.1	10.4	9.43	9.0	9.10	27.0	71.8	77.4	27.7	14.4	10.7
ACRE-FEET	601	602	642	580	500	559	1,610	4,420	4,610	1,700	883	636

YEAR OR PERIOD — MEAN 23.9 — ACRE-FEET 17,340

Plate No. 24

Daily discharge, in second-feet, of Bear River at Harer, Idaho, for the year ending September 30, 19 55

	Oct	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	110	172	140	140	150	150	195	318	278	372	179	139
2	129	170	140	140	150	150	200	345	325	420	179	133
3	121	167	150	145	155	150	200	365	365	383	182	131
4	119	172	160	145	155	150	200	376	472	325	184	129
5	119	170	170	145	155	155	200	358	562	299	177	133
6	123	163	170	145	155	155	230	351	743	275	177	152
7	127	161	170	145	150	150	260	383	769	258	187	131
8	131	161	170	145	145	150	280	455	747	238	184	112
9	119	158	170	140	145	150	320	538	720	230	182	110
10	117	158	170	135	145	150	380	529	684	225	184	108
11	125	158	165	135	145	155	440	511	671	217	96	108
12	123	163	165	135	145	160	490	502	607	206	189	112
13	125	170	165	135	140	160	550	502	620	233	194	112
14	127	175	165	135	140	160	708	498	589	225	196	114
15	127	175	160	135	140	165	830	515	571	217	184	114
16	133	182	160	135	140	170	822	515	562	204	172	114
17	139	179	155	135	145	170	811	472	548	196	172	114
18	147	184	155	135	145	165	762	420	538	192	170	112
19	143	177	150	135	150	165	688	376	520	196	165	114
20	154	175	145	135	150	165	642	341	543	187	158	121
21	154	172	145	138	150	165	629	345	515	172	154	115
22	156	170	145	140	145	165	602	379	515	172	150	112
23	165	170	145	140	145	170	493	412	498	167	150	112
24	163	167	145	135	145	175	387	416	480	167	150	119
25	161	167	145	135	145	185	387	362	455	199	152	129
26	161	167	140	140	150	175	376	334	443	199	156	135
27	165	167	140	145	150	165	358	312	416	199	150	141
28	172	165	140	150	150	155	328	315	387	196	156	145
29	172	163	140	150		160	312	290	358	192	152	141
30	177	140	140	150		170	305	258	338	189	145	145
31	175		140	150		175		261		187	143	
	4,379	5,038	4,760	4,348	4,125	5,005	13,385	12,354	15,839	7,137	5,269	3,707
Mean	141	168	154	140	147	161	446	399	528	230	170	124
Acre-Feet	8,690	9,990	9,440	8,620	8,180	9,930	26,550	24,500	31,420	14,160	10,450	7,350

Max. disch., 919 cfs Apr. 15.

Year or Period: Mean 234; Acre-Feet 169,300

Plate No. 25

Daily discharge, in second-feet, of Dingle Inlet Canal near Dingle, Idaho, for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	23	8	8	4	2	2	3	2	1	1	4	21
2	10	8	5	4	2	2	3	2	1	2	8	21
3	8	8	6	4	2	2	3	2	1	2	19	20
4	8	8	7	4	2	2	3	2	1	2	17	20
5	8	8	7	4	2	3	3	2	1	1	17	19
6	7	7	4	4	2	3	3	2	1	1	16	9
7	7	7	2	4	2	3	3	2	1	1	16	2
8	7	7	3	4	2	3	4	2	1	1	14	1
9	7	7	3	3	2	3	4	2	1	1	15	1
10	6	7	4	3	2	3	5	2	1	1	15	1
11	6	7	5	3	2	3	6	3	1	2	13	18
12	6	7	5	3	2	3	6	5	2	1	13	32
13	6	7	6	3	2	3	7	6	1	1	4	7
14	6	7	6	3	2	3	7	5	1	1	10	1
15	6	7	6	3	2	3	7	6	4	1	13	1
16	6	7	6	3	2	3	7	5	10	2	13	1
17	6	7	6	3	2	3	6	5	10	1	15	2
18	6	6	6	3	2	3	6	5	11	2	17	1
19	6	5	6	3	2	3	6	5	10	2	16	1
20	6	4	6	3	2	3	6	3	5	2	15	1
21	6	4	6	3	2	3	5	1	3	2	14	2
22	6	4	6	3	2	3	5	2	2	2	10	1
23	6	4	6	3	2	3	4	6	2	2	9	1
24	7	3	6	3	2	3	4	3	2	2	11	2
25	7	3	6	3	2	3	3	2	1	2	15	2
26	7	3	5	3	2	3	3	2	1	5	2	2
27	7	5	5	3	2	3	2	2	1	20	2	1
28	7	3	4	2	2	3	2	1	1	10	2	1
29	7	2	4	2		3	2	1	1	12	2	7
30	8	7	4	2		3	2	1	1	7	2	7
31	8		4	2		3		1		4	20	
	227	177	163	97	56	89	130	90	80	96	359	206
	7.3	5.9	5.3	3.1	2.0	2.9	4.3	2.9	2.7	3.1	11.6	6.9
	450	351	323	192	111	177	258	179	159	190	712	409

Max. disch., 34 cfs Sept. 12.

Record furnished by Utah Power & Light Co.

YEAR OR ~~SEASON~~ MEAN 4.85

ACRE-FEET 3,510

Plate No. 26

Daily discharge, in second-feet, of Rainbow Inlet Canal near Dingle, Idaho, for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	119	98	79	109	115	151	252	18	26	44	57
2	36	122	96	87	118	118	158	270	19	28	45	50
3	56	124	109	90	120	115	156	294	17	34	58	47
4	55	122	132	94	118	111	156	315	24	32	78	48
5	56	126	138	93	113	120	144	318	87	28	85	50
6	56	121	134	92	118	122	158	297	198	50	92	51
7	56	117	132	90	111	113	182	291	300	66	107	41
8	60	115	122	90	107	115	206	331	294	64	122	29
9	62	121	89	87	109	115	243	426	279	58	111	27
10	56	130	71	85	111	115	297	465	255	48	105	27
11	58	140	72	87	109	115	350	384	237	47	129	23
12	65	146	83	87	107	118	410	346	217	43	134	21
13	72	150	87	96	105	120	495	264	184	36	122	22
14	67	156	83	105	102	124	584	255	171	35	120	19
15	67	162	83	105	102	127	718	237	158	43	120	14
16	67	150	80	105	105	131	740	226	154	76	113	15
17	71	140	76	100	107	134	733	200	136	61	105	15
18	83	158	80	98	111	127	708	151	127	54	100	15
19	90	150	72	96	114	122	630	118	122	48	96	16
20	90	146	67	102	118	124	580	88	127	44	94	14
21	96	142	69	102	113	125	566	63	122	44	87	13
22	96	140	72	102	109	127	526	54	105	38	79	13
23	98	136	74	105	98	124	482	63	66	35	78	13
24	100	132	74	96	107	122	371	66	58	32	74	14
25	102	130	72	96	113	141	315	42	54	30	78	15
26	102	132	72	105	111	148	322	26	52	31	83	15
27	102	136	72	107	113	134	334	20	47	31	81	17
28	107	132	78	115	115	115	312	18	42	33	71	21
29	111	107	76	113		111	297	18	30	55	68	44
30	111	98	72	113		118	264	17	27	58	64	68
31	113		74	113		134		17		43	63	
	2,375	4,000	2,709	3,035	3,093	3,800	11,588	5,932	3,727	1,351	2,806	834
	76.6	133	87.4	97.9	110	123	386	191	124	43.6	90.5	27.8
	4,710	7,930	5,370	6,020	6,130	7,540	22,980	11,770	7,390	2,680	5,570	1,650

Max. disch., 798 cfs April 15.

Record furnished by Utah Power & Light Co.

Max. 124

Min.

Acre-Feet 89,740

Plate No. 27

UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY—WATER RESOURCES DIVISION File No. _____

Daily discharge, in second-feet, of Bear River below Stewart Dam near Montpelier, Idaho, for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9	11	4	6	7	7	11	11	5	13	19	25
2	9	10	4	6	7	7	10	11	6	13	19	25
3	10	10	6	6	7	7	10	12	6	14	21	23
4	10	11	6	6	7	7	10	13	10	14	23	23
5	9	11	5	6	7	8	10	13	12	13	23	23
6	10	10	5	6	7	8	10	13	11	16	24	23
7	9	10	5	6	7	8	8	12	14	18	23	23
8	10	10	5	6	7	8	10	13	14	19	25	21
9	10	10	5	6	8	8	11	13	14	19	25	18
10	10	10	5	6	8	8	14	11	14	19	25	14
11	10	10	5	6	8	7	13	14	14	18	26	10
12	10	10	5	6	7	8	12	20	14	16	27	6
13	10	10	5	6	7	8	16	24	13	16	27	7
14	10	11	6	6	7	8	23	24	12	16	27	4
15	10	11	6	6	7	9	22	24	12	16	27	3
16	10	13	6	6	7	9	21	23	12	15	27	3
17	11	18	6	7	6	9	20	23	12	15	26	3
18	11	15	6	7	6	9	18	22	13	14	26	3
19	11	14	6	7	7	9	16	23	13	12	26	3
20	11	13	6	6	7	9	15	21	3	10	25	3
21	11	13	6	6	7	10	14	22	13	8	25	3
22	12	13	6	6	7	10	14	25	12	6	25	3
23	12	13	6	6	7	9	13	26	13	6	24	3
24	13	13	6	7	7	10	12	27	14	6	24	3
25	12	12	6	7	7	9	11	25	14	7	24	3
26	12	8	6	7	7	10	11	14	14	7	24	3
27	12	4	6	7	7	10	11	7	14	9	25	3
28	12	4	6	7	7	10	11	6	14	12	25	5
29	11	4	6	7		10	10	6	14	20	26	6
30	11	4	6	7		10	10	5	13	21	25	8
31	11		6	7		10		5		20	25	
Total	329	316	173	197	197	269	397	508	369	428	763	303
Mean	10.6	10.5	5.6	6.4	7.0	8.7	13.2	16.4	12.3	13.8	24.6	10.1
Acre-feet	653	627	343	391	391	534	787	1,010	732	849	1,510	601

Max. disch., 29 cfs May 22.

YEAR OR ~~Period~~ MEAN 11.6

ACRE-FEET 8,430

Plate No. 28

UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY—WATER RESOURCES DIVISION File No. _____

...ly discharge, in second-feet, of **Montpelier Creek at irrigators weir, near Montpelier, Idaho** ..., for the year ending September 30, 19 55

...y	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.7	7.1	5.4	6.0		6.0	6.2	22	26	24	11	6.9
2	7.6	7.1	6.0	6.5		6.5	7.0	21	37	22	10	6.9
3	7.6	7.1	7.0	6.5		6.0	6.4	22	39	21	9.9	6.9
4	7.4	7.0	7.4	6.0		5.7	6.1	21	52	19	10	6.6
5	7.6	7.1	7.1	5.5		5.0	5.9	22	48	19	9.9	6.6
6	7.6	7.1	6.3	4.5		4.5	6.0	25	46	19	9.9	6.6
7	7.6	7.1	6.7	4.0		5.6	6.4	26	44	18	11	6.6
8	7.6	7.0	6.2	4.0		5.6	7.4	26	43	18	11	6.2
9	7.6	7.1	5.3	4.5		5.5	9.7	28	42	18	10	6.2
10	7.7	7.1	6.7	6.0		5.8	12	26	41	17	9.4	6.6
11	7.7	7.1	8.2	6.2		5.6	12	26	39	16	9.0	6.6
12	7.7	8.3	6.6	6.1		5.5	10	26	38	16	9.0	6.6
13	8.6	8.5	6.5	5.9		5.5	13	26	37	16	9.4	6.6
14	8.2	7.7	6.2	6.0		5.4	16	26	37	15	9.9	6.6
15	7.8	7.6	6.4	5.8	5.5	5.2	19	26	36	14	9.4	6.4
16	7.8	8.8	5.8	6.1		5.0	19	24	34	13	9.9	6.6
17	7.7	8.5	5.5	6.0		4.5	22	23	33	13	11	6.8
18	7.6	7.7	5.4	5.5		5.0	21	22	32	13	9.4	7.0
19	7.6	7.4	5.3	6.0		5.4	19	22	31	14	9.0	7.7
20	7.6	7.1	5.5	6.1		5.1	16	23	28	15	9.0	7.7
21	7.4	7.1	5.6	6.1		4.8	17	23	26	14	8.3	7.5
22	7.4	7.0	5.8	5.9		5.4	18	24	26	13	8.3	7.4
23	7.6	7.0	6.0	6.0		5.2	18	22	26	13	8.0	7.4
24	7.8	7.0	6.2	6.1		5.3	17	22	25	14	8.0	7.7
25	8.2	7.0	6.4	6.0		5.1	19	22	25	15	9.0	8.5
26	8.0	7.0	5.8	5.9		5.0	19	22	24	14	9.4	9.5
27	7.7	6.9	3.8	5.9		4.5	16	23	24	13	9.4	8.5
28	7.4	6.4	3.5	5.0		5.2	15	22	24	12	8.6	8.0
29	7.2	5.6	4.0	5.0		5.7	17	21	24	12	8.0	7.5
30	7.2	6.0	4.5	5.5		6.7	20	21	24	11	7.6	7.5
31	7.2		5.5	6.0		6.0		25		11	7.2	
	237.4	216.5	180.6	176.6	154	167.3	416.1	730	1,011	482	288.9	214.2
	7.66	7.22	5.83	5.70	5.5	5.40	13.9	23.5	33.7	15.5	9.32	7.14
	471	429	358	350	305	332	825	1,450	2,010	956	573	425

YEAR MEAN 11.7

ACRE-FEET 8,480

Plate No. 29

UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY WATER RESOURCES DIVISION File No. _____

Contents in thousands of acre-feet

[illegible] of Bear Lake at Lifton, near St. Charles, Idaho for the year ending September 30, 19 55

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	701.4	690.1	691.5	694.8	705.3	729.8	753.3	791.5	800.9	803.6	714.7	675.0
2	700.0	689.5	691.5	694.8	705.3	731.3	754.0	792.2	802.9	802.2	712.7	674.3
3	699.4	689.5	691.5	695.4	706.6	731.9	754.7	792.9	804.2	800.2	711.3	673.0
4	698.1	688.8	691.5	696.1	708.0	732.6	754.7	794.2	804.2	800.2	709.3	671.7
5	696.7	688.8	692.8	696.7	709.3	733.2	755.3	794.9	804.2	797.6	707.3	670.3
6	695.4	688.2	692.8	696.7	710.6	733.9	755.3	796.2	804.2	795.5	706.0	670.3
7	694.1	688.2	693.4	697.4	712	734.6	756.0	797.6	804.9	794.2	704.7	669.0
8	692.8	688.2	693.4	698.1	712.7	735.2	756.7	798.9	805.6	792.2	704.0	667.7
9	692.8	688.2	693.4	698.1	713.3	735.9	756.7	799.6	806.3	790.8	702.0	666.4
10	692.8	687.5	693.4	698.1	714.7	737.9	757.4	800.9	806.9	788.8	700.7	663.7
11	692.8	687.5	694.1	698.7	715.3	738.6	757.4	801.6	807.6	786.2	699.4	660.4
12	692.8	687.5	694.1	698.7	716.0	739.9	758.0	802.2	807.6	782.8	697.4	656.5
13	692.8	687.5	694.1	699.4	716.6	740.6	759.4	803.6	808.3	778.1	696.1	653.2
14	692.8	687.5	694.1	699.4	717.3	741.3	760.7	803.6	808.3	776.8	695.4	649.3
15	692.1	687.5	694.1	700.0	718.6	741.9	761.4	803.6	807.6	774.1	694.1	646.0
16	691.5	687.5	694.1	700.7	719.3	742.6	764.0	804.2	806.9	770.8	692.8	642.7
17	691.5	688.8	694.1	700.7	719.9	743.3	766.7	805.6	806.9	767.4	692.8	639.4
18	690.8	689.5	694.1	700.7	720.6	744.0	770.1	806.3	807.6	763.4	692.8	635.6
19	690.1	689.5	694.1	700.7	721.9	744.6	772.1	806.9	808.3	759.4	692.1	632.3
20	690.1	689.5	694.1	701.4	722.6	745.3	773.4	806.9	808.9	756.0	691.5	630.3
21	689.5	690.1	694.1	701.4	723.3	746.0	776.8	806.9	808.9	752.0	690.1	629.0
22	689.5	690.1	694.1	702.0	724.0	747.3	778.8	806.9	808.9	747.3	688.8	625.7
23	689.5	690.8	694.1	702.0	724.0	748.6	778.1	806.3	808.3	743.3	686.8	625.0
24	690.1	690.8	694.1	702.7	724.6	750.0	781.5	806.3	807.6	738.6	684.9	623.1
25	690.8	691.5	694.1	702.7	724.6	750.6	784.2	805.6	807.6	733.9	683.5	623.1
26	690.8	691.5	694.1	703.3	725.3	751.3	786.8	804.9	806.9	729.3	690.9	623.1
27	690.8	691.5	694.1	703.3	726.6	752.0	788.2	804.9	806.3	726.6	679.6	623.1
28	690.8	691.5	694.1	704.0	728.6	752.0	789.5	804.2	805.6	724.0	678.9	623.1
29	690.8	691.5	694.1	704.0		752.7	790.2	803.6	805.6	721.3	678.3	621.8
30	690.1	691.5	694.1	704.0		753.3	790.8	802.2	804.9	719.3	676.9	619.2
31	690.1		694.8	704.7		753.3		801.6		716.6	675.6	

Equivalent discharge in cfs

194	24	54	161	430	402	630	176	55	1,436	667	948

Change in contents (thousands of acre-feet) during month.

-11.9	+ 1.4	+ 3.3	+ 9.9	+ 23.9	+ 24.7	+ 37.5	+ 10.8	+ 3.3	-88.3	-41.0	-56.4

Max. contents, 808,900 acre-ft. June 20-22.

Record furnished by Utah Power & Light Co.

YEAR OF RECORD

MEAN 114

ACRE-FEET -82.8

Plate No. 30

Daily discharge, in second-feet, of Bear Lake outlet canal near Paris, Idaho, for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	257	17	3	2	2	2	2	2	68	666	1,180	501
2	259	17	3	2	2	2	2	2	12	660	912	484
3	257	17	3	2	2	2	2	2	12	671	893	576
4	259	17	3	2	2	2	2	2	12	674	890	554
5	188	17	3	2	2	2	2	2	12	685	893	649
6	82	16	3	2	2	2	2	2	12	788	921	646
7	85	16	3	2	2	2	2	2	12	933	949	713
8	59	16	3	2	2	2	2	2	12	933	830	757
9	20	16	3	2	2	2	2	2	12	995	696	810
10	20	16	3	2	2	2	2	2	12	1,090	688	921
11	20	16	3	2	2	2	2	2	12	1,150	677	992
12	20	16	3	2	2	2	2	2	12	1,270	668	622
13	20	15	3	2	2	2	2	2	202	1,310	556	246
14	20	15	3	2	2	2	2	2	465	1,290	418	752
15	20	15	3	2	2	2	2	2	481	1,260	414	896
16	20	15	3	2	2	2	2	2	400	1,240	253	972
17	19	15	2	2	2	2	2	2	161	1,250	30	1,080
18	19	15	2	2	2	2	2	107	33	1,260	148	1,030
19	19	15	2	2	2	2	2	329	30	1,310	414	759
20	19	15	2	2	2	2	2	350	139	1,330	542	211
21	19	15	2	2	2	2	2	359	331	1,370	544	217
22	19	8	2	2	2	2	2	350	338	1,370	540	505
23	18	2	2	2	2	2	2	354	445	1,370	532	510
24	18	2	2	2	2	2	2	383	534	1,360	530	527
25	18	2	2	2	2	2	2	398	537	1,350	378	270
26	18	2	2	2	2	2	2	418	550	1,330	168	18
27	18	3	2	2	2	2	2	416	599	1,360	202	14
28	18	3	2	2	2	2	2	427	677	1,330	199	143
29	18	3	2	2		2	2	427	668	1,330	309	370
30	17	3	2	2		2	2	414	663	1,310	479	430
31			2	2		2		273		1,310	513	
	1,880	360	78	62	56	62	60	5,039	7,453	35,555	17,366	17,175
	60.6	12.0	2.5	2.0	2.0	2.0	2.0	163	248	1,147	560	572
	3,730	714	155	123	111	123	119	9,990	14,780	70,520	34,440	34,070

Max. disch., 1,380 cfs July 19.

Record furnished by Utah Power & Light Co.

YEAR OR PERIOD — MEAN 233 — ACRE-FEET 168,900

Plate No. 31

UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY—WATER RESOURCES DIVISION File No. _____

...rly discharge, in second-feet, of **Georgetown Creek near Georgetown, Idaho** ..., for the year ending September 30, 19 55

...ny	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	28	26	26	23	21	21	22	22	31	35	32	30
2	28	26	26	23	21	21	22	22	33	35	32	30
3	27	26	26	23	20	21	22	22	32	35	32	30
4	27	26	26	23	20	21	22	22	31	35	32	30
5	27	26	25	23	20	21	21	22	31	35	32	30
6	27	26	25	23	20	21	21	22	31	35	32	30
7	27	26	25	23	21	21	22	22	32	35	32	30
8	27	26	25	22	21	21	22	22	34	35	32	29
9	27	26	25	22	21	21	22	22	35	35	31	29
10	28	26	25	22	21	20	22	22	35	34	31	29
11	27	26	25	22	21	21	22	22	35	34	31	29
12	27	26	25	22	21	21	22	22	35	34	31	29
13	27	26	25	22	21	21	22	23	35	33	31	29
14	27	26	24	22	21	21	22	23	36	33	31	29
15	27	26	24	22	21	21	22	25	36	33	31	29
16	27	26	24	22	21	21	22	25	35	33	31	29
17	27	26	24	22	21	21	22	25	35	33	30	29
18	27	26	24	22	21	21	21	25	35	33	30	29
19	27	26	24	22	21	21	21	26	35	33	30	29
20	27	26	24	22	21	21	21	26	35	33	30	29
21	26	26	24	22	21	21	21	26	35	32	30	29
22	26	26	24	22	21	21	21	27	35	32	30	29
23	26	26	24	22	21	21	21	28	35	33	30	28
24	26	26	24	22	21	21	21	28	35	34	30	28
25	26	26	24	21	21	22	21	28	35	33	31	28
26	26	[illegible]	24	21	21	22	21	28	35	33	30	28
27	26	26	24	21	21	22	21	30	35	32	30	28
28	26	26	24	21	21	22	21	30	35	32	30	28
29	26	26	24	21		22	21	30	35	32	30	28
30	26	26	24	21		22	21	30	35	32	30	28
31	26		23	21		22		31		32	30	
	829	780	760	682	584	657	645	778	1,027	1,038	955	869
...	26.7	26.0	24.5	22.0	20.9	21.2	21.5	25.1	34.2	33.5	30.8	29.0
...	1,640	1,550	1,510	1,350	1,160	1,300	1,280	1,540	2,040	2,060	1,890	1,720

... GOVERNMENT PRINTING OFFICE ... 1

YEAR OR PERIOD MEAN 26.3

ACRE-FEET 19,040

Plate No. 32

UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY—WATER RESOURCES DIVISION File No. _____

Daily discharge, in second-feet, of **Bear River at Soda Springs, Idaho** for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	111	146	121	115	125	105	160	320	546	936	1,360	562
2	296	146	146	115	125	100	160	354	540	929	1,220	562
3	331	148	125	115	125	100	137	375	514	943	1,000	557
4	339	143	123	120	130	100	147	371	540	936	936	623
5	343	141	134	120	130	100	149	329	499	936	929	688
6	311	139	146	115	130	95	187	312	473	895	922	688
7	197	141	146	115	130	95	182	304	449	943	956	694
8	176	139	136	120	120	95	199	304	449	1,040	977	744
9	170	136	101	120	110	100	248	252	406	1,060	882	795
10	132	134	120	120	110	115	320	228	406	1,180	763	855
11	119	132	120	120	110	125	434	231	402	1,240	738	1,020
12	118	139	130	110	110	125	519	218	388	1,310	731	1,030
13	125	146	135	110	105	125	664	225	366	1,420	750	725
14	125	141	135	110	105	120	782	234	478	1,410	664	345
15	121	143	130	110	105	110	862	252	756	1,400	525	719
16	121	167	130	110	105	105	744	266	789	1,360	519	889
17	121	156	125	115	110	105	652	266	731	1,340	425	1,000
18	121	146	120	115	125	105	557	248	589	1,320	212	1,100
19	121	165	120	115	130	105	493	296	449	1,310	167	1,090
20	121	167	120	120	130	105	449	551	393	1,320	454	848
21	119	162	120	120	125	105	420	595	416	1,350	578	429
22	119	159	120	120	120	100	397	629	612	1,350	578	234
23	121	159	115	120	115	100	366	606	629	1,340	578	530
24	132	143	115	120	125	100	358	589	682	1,360	573	584
25	151	132	115	120	125	100	393	612	731	1,390	578	623
26	148	132	115	120	120	105	406	676	725	1,380	488	499
27	143	132	110	120	120	135	366	712	744	1,360	281	218
28	165	125	110	125	115	145	349	676	795	1,360	285	149
29	156	88	110	125		135	337	676	868	1,360	281	154
30	151	121	115	125		142	324	670	909	1,360	337	439
31	148		115	125		147		646		1,360	519	
	5,172	4,268	3,823	3,650	3,335	3,449	11,761	13,023	17,274	38,198	20,206	19,393
	167	142	123	118	119	111	392	420	576	1,232	652	646
	10,260	8,470	7,580	7,240	6,610	6,840	23,330	25,830	34,260	75,760	40,080	38,470

Max. disch., 1,450 cfs July 13.

Record furnished by Utah Power & Light Co.

YEAR: MEAN 393

ACRE-FEET 284,700

Plate No. 33

contents acre

Daily ~~contents~~, in ~~acre~~-feet, of Soda Reservoir at Alexander, Idaho for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8,400	10,090	11,160	10,440	9,370	6,030	5,740	3,660	11,710	10,510	11,130	10,020
2	8,610	10,110	11,230	10,530	8,620	6,010	6,030	4,260	11,390	10,910	11,080	9,850
3	8,930	10,220	11,290	10,450	8,240	5,950	6,250	4,680	11,600	11,160	10,910	9,690
4	9,170	10,220	11,370	10,420	8,230	5,910	6,200	5,280	11,590	11,190	10,700	9,880
5	9,420	10,290	11,440	10,360	8,300	5,960	6,260	5,660	11,680	10,600	10,750	9,980
6	9,650	10,310	11,440	10,310	8,320	5,990	6,330	6,070	11,770	9,940	11,200	9,800
7	9,690	10,390	11,450	10,290	8,230	5,960	6,170	6,490	11,770	9,360	11,390	9,360
8	9,690	10,360	11,510	10,280	8,240	5,930	5,980	6,940	11,770	9,070	11,740	8,970
9	9,760	10,420	11,320	10,250	8,020	5,930	5,940	7,160	11,740	9,440	11,540	8,740
10	9,810	10,420	11,290	10,200	7,710	5,930	6,600	7,290	11,410	9,690	11,650	9,070
11	9,690	10,430	11,290	10,150	7,490	5,920	6,200	7,440	11,060	9,260	11,610	9,690
12	9,600	10,500	11,320	10,130	7,590	6,080	5,730	7,560	10,700	8,980	11,680	10,000
13	9,520	10,560	11,050	10,070	7,700	6,200	5,610	7,640	10,300	9,370	11,760	9,860
14	9,500	10,630	11,030	10,060	7,490	6,130	5,830	7,710	10,060	9,690	11,800	8,850
15	9,550	10,680	10,910	10,130	6,780	6,080	6,010	7,840	10,420	9,970	11,690	8,410
16	9,530	10,870	10,870	10,250	6,110	6,030	6,080	7,930	10,760	10,280	11,660	8,350
17	9,520	10,930	10,700	10,150	5,660	5,990	6,130	7,960	11,040	10,390	11,660	9,310
18	9,480	11,080	10,760	10,080	5,680	5,990	5,930	7,840	11,040	10,280	11,320	10,450
19	9,500	11,210	10,860	9,990	5,820	6,160	5,480	7,770	10,830	10,050	10,650	10,670
20	9,480	11,240	10,700	9,790	5,920	6,260	4,990	8,190	9,870	9,790	10,640	10,820
21	9,420	11,330	10,560	9,760	5,790	6,150	4,310	8,740	10,130	9,660	10,950	10,260
22	9,480	11,350	10,510	9,790	5,910	6,060	3,670	9,350	10,180	9,850	11,050	9,420
23	9,450	11,410	10,440	9,770	5,930	6,060	3,090	9,580	10,180	7,750	11,070	9,580
24	9,540	11,510	10,500	9,620	5,880	5,480	2,760	9,580	10,100	9,770	10,960	10,200
25	9,590	11,540	10,550	9,640	5,860	5,290	1,910	9,560	10,450	9,850	11,040	10,820
26	9,670	11,460	10,670	9,610	6,060	5,420	1,820	9,770	10,630	9,870	11,060	11,090
27	9,670	11,410	10,520	9,550	6,200	5,290	1,790	10,140	10,290	9,830	10,900	10,780
28	9,770	11,470	10,460	9,510	6,080	5,290	1,890	10,480	10,090	9,840	10,730	10,400
29	9,830	11,310	10,340	9,560		5,450	2,360	10,760	10,410	10,040	10,210	9,990
30	9,940	11,240	10,370	9,610		5,510	3,020	11,130	10,380	10,520	9,900	10,140
31	10,010		10,370	9,480		5,550		11,460		11,090	9,900	

Change in contents from last of month to last of month in acre feet.

Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
+1,440	+1,230	-870	-890	-3,400	-530	-2,530	+8,440	-1,080	+710	-1,190	+240

Equivalent mean discharge in cubic feet per second.

Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
+23.4	+20.7	-14.1	-14.5	-61.2	-8.6	-42.5	+137	-18.2	+11.5	-19.4	+4.0

Change in contents during year: Mean +1,570; Acre-feet +2.2

Plate No. 34

Record furnished by Utah Power & Light Co.

UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY - WATER RESOURCES DIVISION File No. _____

...ily discharge, in second-feet, of Bear River at Alexander, Idaho, for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	252	166	222	145	252	204	193	152	511	906	1,350	561
2	201	199	190	163	597	187	169	197	773	758	1,290	707
3	212	154	196	248	390	236	155	279	476	859	1,150	697
4	273	202	182	225	206	193	253	208	609	940	1,100	583
5	259	167	192	214	171	170	210	228	492	1,310	951	670
6	250	190	232	215	208	148	245	206	458	1,290	763	830
7	250	162	194	211	260	184	346	166	464	1,300	948	983
8	227	208	192	184	200	179	436	156	459	1,260	866	1,010
9	155	168	263	236	299	201	477	240	451	905	1,060	961
10	170	204	208	222	323	204	254	208	586	1,070	742	711
11	243	186	223	224	283	201	734	222	623	1,530	806	664
12	230	179	190	197	166	154	823	216	605	1,510	702	896
13	243	186	359	211	155	157	830	244	612	1,260	766	851
14	193	173	237	199	302	259	828	264	612	1,310	676	899
15	172	211	296	151	499	202	947	241	605	1,220	600	982
16	196	162	235	156	506	198	905	293	612	1,230	572	946
17	192	216	277	214	424	196	815	326	612	1,270	512	529
18	209	145	186	224	210	197	810	385	605	1,390	486	515
19	167	181	141	249	156	147	836	390	586	1,410	561	979
20	198	224	275	308	169	165	831	405	612	1,510	488	814
21	220	212	272	212	247	226	893	357	612	1,450	482	728
22	151	233	265	189	154	235	853	398	618	1,290	571	700
23	207	190	204	198	191	202	799	519	663	1,420	617	484
24	161	195	172	261	213	442	669	595	740	1,440	661	355
25	204	207	179	198	201	281	948	627	605	1,430	611	353
26	172	236	144	216	144	148	630	554	637	1,450	542	402
27	209	227	247	223	147	275	545	519	957	1,440	442	444
28	160	184	210	222	225	223	468	488	925	1,420	436	410
29	203	232	247	172		212	291	517	744	1,310	616	416
30	152	229	211	189		231	179	505	949	1,150	555	393
31	183		204	261		224		505		1,120	576	
	6,314	5,828	6,845	6,537	7,298	6,481	17,382	10,610	18,813	39,158	22,498	20,473
	204	194	221	211	261	209	579	342	627	1,263	726	682
	12,520	11,560	13,580	12,970	14,480	12,850	34,480	21,040	37,320	77,670	44,620	40,613

Max. daily disch., 1,530 cfs July 11.

Record furnished by Utah Power & Light Co.

YEAR ON [illegible] MEAN 461

ACRE-FEET 333,700

Plate No. 25

Daily discharge, in second-feet, of Bear River below Grace Dam near Grace, Idaho for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	3	2	4	4	3	2	2	23	24	5	7
2	3	3	2	4	4	3	2	2	13	13	5	7
3	3	3	2	4	4	3	2	2	17	12	5	8
4	3	3	2	4	4	3	2	2	11	12	5	6
5	3	3	2	4	4	3	2	2	10	12	5	6
6	3	3	3	4	4	3	2	5	2	12	6	7
7	3	2	3	4	4	3	2	3	4	12	6	4
8	3	2	3	4	4	3	2	2	4	12	5	4
9	3	2	2	4	4	3	2	2	15	12	5	5
10	3	2	2	4	3	3	2	6	32	12	5	7
11	3	2	3	4	3	3	2	3	40	12	7	6
12	3	3	3	4	3	3	2	5	28	11	5	7
13	3	3	3	4	3	3	2	3	32	11	5	7
14	3	3	3	4	3	3	2	10	34	11	7	11
15	3	2	2	4	3	3	2	25	33	11	5	4
16	3	3	2	4	3	3	2	23	32	11	7	6
17	3	2	7	4	3	3	2	21	32	11	8	3
18	3	4	4	4	3	3	2	24	32	11	8	8
19	3	2	3	4	3	3	2	22	32	12	6	8
20	3	3	3	4	3	3	2	21	32	12	5	4
21	3	3	3	4	3	3	2	22	31	8	6	4
22	3	3	3	4	3	3	3	22	31	5	5	4
23	3	2	3	4	3	3	3	22	31	5	7	5
24	3	2	3	4	3	3	9	30	31	5	9	5
25	3	2	3	4	3	3	2	39	28	5	13	9
26	3	3	3	4	3	3	5	31	23	5	10	4
27	3	3	3	4	3	3	23	27	24	4	8	4
28	3	3	3	4	3	2	17	28	23	4	6	4
29	3	2	3	4		2	11	22	23	5	6	4
30	3	2	3	4		2	6	25	16	5	8	4
31	3		3	4		2		23		5	7	
Total	93	78	89	124	93	89	121	476	719	302	200	172
Mean	3.0	2.6	2.9	4.0	3.3	2.9	4.0	15.4	24.0	9.7	6.5	5.7
Ac.-ft.	184	155	177	246	184	177	240	944	1,430	599	397	341

Max. disch., 108 cfs Apr. 28.

Year: Mean 7.00; Acre-feet 5,070

Record furnished by Utah Power & Light Co.

Plate No. 36

...ily discharge, in second-feet, of Cottonwood Creek near Cleveland, Idaho, for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.0	4.5	3.5				13	98	23	6.0	3.4	3.6
2	3.0	4.5	4.1				17	101	70	5.4	3.4	3.6
3	3.0	4.3	5.7	6.5			13	86	113	5.0	3.0	3.6
4	3.4	4.3	6.9				12	74	143	4.5	2.9	3.6
5	3.9	4.3	6.9		6.5	7.0	12	94	113	7.2	2.9	3.2
6	3.9	4.5	5.4				12	124	90	7.5	3.9	3.0
7	3.6	4.7	6.3				14	143	76	7.5	4.5	2.9
8	3.4	4.7	5.0				20	182	62	6.9	5.4	2.8
9	3.6	4.8	4.5				30	151	48	6.6	6.0	2.8
10	3.9	5.4	5.0	5.5			36	126	37	6.3	4.5	2.8
11	3.9	5.4	5.2				30	120	30	6.0	4.5	2.8
12	4.1	6.3	5.2				27	106	26	6.6	4.1	2.6
13	4.7	7.2	5.4			9.0	33	92	22	6.3	8.8	2.6
14	4.7	6.6	5.7				45	78	18	5.7	8.4	2.4
15	4.7	6.6	5.7				58	68	16	5.0	6.0	2.4
16	4.7	13	5.5			8.0	60	54	15	5.0	5.2	2.6
17	4.5	9.9	5.3	6.0	6.0	7.5	73	42	13	5.0	5.2	3.3
18	4.5	8.4	5.0			7.2	62	34	12	5.0	5.2	4.0
19	4.7	7.8	5.2			6.6	48	34	11	4.7	7.2	3.8
20	4.5	7.5	5.3			6.5	39	34	9.5	4.3	5.4	3.6
21	4.5	7.5	5.5			6.7	45	35	7.2	4.1	4.5	2.9
22	4.5	7.2				6.9	54	47	6.6	3.6	4.3	2.8
23	4.3	6.9				6.6	43	32	8.8	3.2	4.3	2.9
24	4.3	6.9				7.2	41	28	7.5	4.1	4.3	2.8
25	5.2	6.9		6.5		6.6	60	27	6.9	5.7	8.4	3.9
26	5.2	6.6	5.5		7.0	6.5	65	24	6.3	5.4	9.1	3.6
27	5.0	6.6				6.5	49	24	6.0	5.0	6.3	2.9
28	4.7	5.5				8.0	45	18	5.7	5.0	5.2	2.6
29	4.7	4.0				9.9	54	14	6.6	4.1	4.5	2.6
30	4.7	4.3				12	78	12	7.5	3.9	3.9	2.6
31	4.5					11		19		3.9	3.6	
	131.3	187.1	167.2	189.5	178.0	238.7	1,188	2,121	1,016.9	164.5	158.3	91.6
	4.24	6.24	5.39	6.11	6.36	7.70	39.6	68.4	33.9	5.31	5.11	3.05
	260	371	332	376	353	473	2,360	4,210	2,020	326	314	182

YEAR — MEAN 16.0

ACRE-FEET 11,580

Plate No. 37

contents acre
ft/[redacted] in [redacted]eet, of Oneida Reservoir at Oneida, Idaho , for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10,930	10,480	9,320	9,840	9,880	10,280	9,090	9,790	9,600	9,270	9,640	8,590
2	10,780	10,580	9,600	10,230	9,360	10,130	9,270	8,860	10,880	8,550	10,480	8,280
3	10,480	10,630	9,790	10,130	9,410	10,680	9,640	8,370	10,380	7,810	10,480	7,850
4	10,580	10,630	9,930	10,280	9,360	10,480	9,180	8,240	10,280	6,590	10,380	8,150
5	10,780	10,730	9,790	10,080	10,030	10,230	9,090	8,240	10,780	6,820	10,580	7,380
6	10,480	10,530	9,790	10,380	9,880	10,330	9,320	8,330	9,790	8,190	10,130	7,720
7	10,480	10,880	9,840	10,180	9,740	10,330	9,930	8,410	9,450	9,640	10,180	8,150
8	10,780	10,780	10,080	9,790	9,090	10,530	9,360	9,360	9,130	10,830	10,330	8,820
9	10,430	10,630	10,030	9,500	9,640	9,980	8,590	8,500	9,360	9,450	10,130	8,820
10	10,130	10,730	10,330	9,040	9,320	10,030	9,040	8,190	9,320	6,980	9,740	9,040
11	10,180	10,830	9,690	9,180	8,410	9,320	8,770	8,680	9,740	6,180	9,880	9,640
12	10,630	10,030	9,360	9,550	8,950	9,880	9,360	8,590	10,180	7,510	10,180	9,640
13	10,230	10,630	8,640	9,880	9,600	10,330	9,130	8,190	10,380	7,940	10,580	9,550
14	10,680	10,930	8,410	10,630	9,790	10,230	8,150	8,860	10,680	8,590	10,880	10,030
15	10,830	10,530	8,110	10,080	9,270	10,280	7,340	9,360	10,730	8,020	10,580	10,180
16	10,480	10,430	8,020	10,280	9,090	10,280	7,430	9,790	10,830	7,680	10,180	10,630
17	10,680	10,630	8,190	8,860	8,770	9,930	8,720	9,740	10,730	8,500	10,280	10,030
18	10,930	10,430	8,330	8,820	8,330	9,880	9,220	9,980	10,280	8,240	10,530	10,080
19	10,580	10,630	8,900	9,000	8,860	9,500	9,270	10,680	10,380	8,550	10,380	9,840
20	10,830	10,330	8,550	9,090	9,550	9,740	9,130	10,380	10,430	9,410	10,380	10,030
21	10,530	10,880	8,550	9,640	9,500	9,180	9,180	10,180	10,130	10,080	10,480	9,450
22	10,730	10,780	8,410	9,980	9,930	9,450	8,820	10,330	9,550	9,690	9,840	9,880
23	10,330	10,430	9,090	9,930	9,790	9,360	8,860	10,030	9,090	9,220	9,600	10,530
24	10,580	10,330	9,790	10,080	10,030	9,360	9,550	10,430	8,680	9,450	9,690	10,530
25	10,780	9,880	9,790	10,380	10,530	9,270	9,980	10,480	9,000	9,360	9,550	10,980
26	10,330	9,360	9,600	10,130	10,530	10,080	9,130	10,330	8,950	10,080	9,790	10,830
27	10,430	9,270	9,500	10,430	10,330	9,500	9,640	10,030	8,820	10,080	9,550	10,480
28	10,630	8,550	8,770	9,790	9,690	9,600	9,130	9,790	9,220	10,030	9,410	10,630
29	10,680	8,720	9,090	10,080		9,270	9,180	9,880	9,600	9,980	8,820	10,180
30	10,330	9,090	9,740	10,280		9,000	9,220	9,500	9,640	9,550	8,590	10,180
31	10,730		9,930	9,740		9,180		9,740		9,500	8,590	

Change in contents from last of month to last of month in acre feet.

	-250	-1,640	+ 840	-190	-50	-510	+ 40	+ 520	-100	-140	-910	+ 1,590

Equivalent mean discharge in cubic feet per second.

	-4.1	-27.6	+ 13.7	-3.1	-0.9	-8.3	+ 0.7	+ 8.5	-1.7	-2.3	-14.8	+ 26.7

Change in contents during Year — Mean -800

Record furnished by Utah Power & Light Co. Period — Acre-Feet -1.1

Plate No. 38

Daily discharge, in second-feet, of Bear River below U. P. & L. Co's tailrace at Oneida, Idaho, for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	429	478	258	472	326	119	456	200	505	951	903	632
2	502	318	248	196	700	406	355	848	142	1,070	826	777
3	507	355	263	357	509	114	185	1,220	1,000	990	1,060	925
4	341	357	320	275	518	429	545	595	591	1,300	980	658
5	349	333	416	446	45	408	445	517	460	746	854	888
6	540	450	354	182	392	263	298	453	930	552	870	627
7	419	206	313	403	444	313	230	462	585	468	573	703
8	267	377	263	494	370	259	749	87	583	507	779	690
9	560	484	417	485	439	556	1,030	865	229	1,650	867	979
10	539	294	237	675	540	311	460	703	389	1,870	903	869
11	315	301	596	381	797	604	687	345	141	1,520	538	454
12	200	713	528	206	189	188	732	544	139	918	501	791
13	597	106	703	200	54	207	1,090	654	237	980	456	930
14	202	233	576	65	209	436	1,480	134	207	843	494	718
15	308	502	555	579	740	397	1,530	203	358	1,370	650	968
16	536	490	435	246	676	367	1,160	227	282	1,360	628	792
17	264	264	316	958	765	500	544	495	358	774	448	1,230
18	239	454	336	356	625	399	804	262	586	1,280	345	593
19	547	283	74	287	79	503	1,010	69	296	1,100	512	892
20	236	478	468	379	44	205	1,120	482	344	932	464	827
21	531	104	461	152	353	518	1,010	460	471	1,000	288	1,190
22	263	432	477	170	187	298	1,260	263	613	1,350	711	616
23	507	555	111	380	358	419	1,060	505	579	1,440	590	405
24	214	438	77	302	293	477	598	189	625	1,060	511	619
25	286	543	389	282	152	582	881	406	350	1,300	661	234
26	618	585	416	452	374	64	1,550	449	370	867	473	453
27	344	476	333	209	396	620	550	481	526	1,240	613	682
28	270	705	676	557	542	380	1,010	442	441	1,230	434	467
29	334	286	262	236		607	708	277	393	1,200	711	553
30	534	221	125	263		576	582	503	474	1,310	684	501
31	176		325	633		360		219		958	652	
	11,974		11,328		11,116		24,119		13,204		19,977	
		11,321		11,278		11,885		13,559		34,136		21,663
	386	394	365	364	397	383	804	437	440	1,101	644	722
	23,750	23,450	22,470	22,370	22,050	23,570	47,840	26,890	26,190	67,710	39,620	42,970

Max. daily disch., 1,870 cfs July 10.

Record furnished by Utah Power & Light Co.

YEAR OF ~~Power~~ MEAN 537

ACRE-FEET 388,900

Plate No. 39

...ily discharge, in second-feet, of **Bear River near Preston, Idaho** ..., for the year ending September 30, 19**55**

...ny	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	323	432	308	448	388	222	357	362	331	690	795	402
2	356	278	294	318	700	368	251	875	404	903	530	568
3	334	299	267	332	575	242	186	326	953	731	904	712
4	343	334	194	365	619	489	584	571	723	1,090	770	607
5	145	185	538	471	169	446	435	555	608	760	656	661
6	401	505	354	230	358	326	348	495	960	266	777	457
7	410	144	342	390	454	275	164	537	656	331	465	546
8	306	368	237	621	383	282	932	235	672	752	586	455
9	426	329	414	538	544	609	983	867	413	1,310	716	769
10	501	369	224	650	510	397	585	680	452	1,430	816	641
11	329	246	588	370	757	534	729	475	186	1,570	411	484
12	158	712	604	275	463	315	702	596	158	687	459	618
13	561	114	704	264	82	265	1,210	883	202	819	372	776
14	213	219	537	148	296	451	1,340	296	160	718	357	602
15	262	472	570	629	660	330	1,550	352	135	1,110	560	735
16	432	485	532	230	736	400	1,470	235	350	1,200	599	647
17	302	146	347	877	849	477	591	386	492	712	341	972
18	233	497	321	417	693	359	853	287	582	996	280	475
19	569	217	132	275	191	558	1,020	25	237	984	410	756
20	159	517	446	498	158	240	1,170	313	264	720	500	738
21	544	113	447	223	427	508	996	511	215	729	281	1,090
22	220	256	531	250	182	410	1,370	281	554	1,040	538	565
23	521	646	206	357	399	343	1,130	447	375	1,190	383	378
24	262	361	122	388	359	434	648	238	516	956	436	578
25	233	542	325	199	215	441	1,030	220	133	1,090	522	234
26	526	624	434	561	376	61	1,620	419	162	792	357	468
27	342	382	348	330	426	535	536	377	308	889	343	632
28	233	771	658	618	610	302	1,140	330	313	1,110	398	467
29	304	309	346	224		487	666	156	281	947	512	603
30	484	225	187	330		536	548	332	263	1,050	607	487
31	159		283	658		296		181		845	410	
	10,591	11,097	11,840	12,484	12,579	12,028	25,244	13,343	12,058	28,217	16,091	18,123
	342	370	382	403	449	388	841	430	402	910	519	604
	21,010	22,010	23,480	24,760	24,950	23,860	50,070	26,470	23,920	55,970	31,920	35,950

...

Year or ... Mean 503

Acre-Feet 364,400

Plate No. 40

UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY—WATER RESOURCES DIVISION File No. _____

Daily discharge, in second-feet, of **Little Bear River near Paradise, Utah**, for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	17	36	36	43	45	48	78	506	148	23	14	15
2	19	37	41	45	45	48	95	414	146	23	14	15
3	16	37	42	43	45	48	82	326	143	23	14	12
4	25	36	47	43	45	47	75	357	143	22	14	13
5	30	36	42	42	45	42	70	459	154	22	15	13
6	29	36	39	37	45	45	73	566	151	22	16	14
7	31	35	41	37	45	49	84	608	135	22	16	13
8	31	36	37	37	45	47	117	608	124	23	16	13
9	30	37	33	37	45	52	159	472	94	22	15	14
10	28	37	39	37	40	73	217	414	75	22	14	12
11	32	36	39	43	40	70	205	391	59	22	14	13
12	32	53	37	43	40	73	143	342	56	21	13	14
13	33	50	37	43	43	82	176	337	48	20	16	16
14	34	43	36	43	43	82	280	342	42	20	17	16
15	32	41	37	43	43	65	332	303	34	19	18	15
16	31	73	34	43	43	62	323	239	31	20	18	17
17	32	62	32	43	43	62	471	214	31	19	18	18
18	33	55	31	43	43	60	346	207	30	19	18	20
19	34	50	33	43	43	62	236	221	26	18	18	20
20	35	49	34	43	43	60	217	228	26	18	17	19
21	34	48	37	42	43	56	236	224	28	17	16	20
22	35	47	39	42	43	59	280	228	26	17	16	16
23	36	47	39	42	47	57	260	200	29	17	14	20
24	36	45	39	42	47	62	244	178	25	16	16	21
25	37	47	39	42	47	60	471	168	22	16	16	25
26	36	47	41	42	47	53	442	146	23	16	17	30
27	37	43	35	42	47	53	301	143	25	17	15	29
28	37	44	30	42	47	56	248	122	24	17	16	26
29	38	38	45	42	47	62	318	112	26	16	16	24
30	37	39	44	42		80	461	110	24	15	15	29
31	37		43	42		72		162 *		13	14	
	984	1,320	1,178	1,293	1,237	1,847	7,040	9,347	1,948	597	486	544
MEAN	31.7	44.0	38.0	41.7	44.2	59.6	235	302	64.9	19.3	15.7	18.1
ACRE-FEET	1,950	2,620	2,340	2,560	2,450	3,660	13,960	18,540	3,860	1,180	964	1,080

YEAR OR PERIOD MEAN 76.2
ACRE-FEET 55,160

Plate No. 41

Elevation in Feet, and Contents in ACRE-FEET, of Hyrum Reservoir near Hyrum, Utah for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1									15,570	13,130	8,140	4,870
2									15,520	12,940	8,020	4,800
3									15,570	12,800	7,940	4,730
4									15,570	12,670	7,900	4,660
5									15,570	12,440	7,700	4,600
6									15,620	12,300	7,620	4,490
7									15,660	12,120	7,580	4,460
8									15,620	11,940	7,420	4,430
9									15,570	11,760	7,340	4,390
10	1,620		5,570		10,260	10,310	14,620	14,340	15,570	11,580	7,260	4,360
11								15,420	15,520	11,400	7,150	4,290
12								15,380	15,520	11,270	6,950	4,280
13								15,330	15,520	11,140	6,760	3,800
14								15,280	15,420	10,870	6,650	3,770
15						10,310		15,330	15,420	10,700	6,610	3,670
16								15,860	15,280	10,570	6,530	3,540
17								15,760	15,190	10,390	6,380	3,480
18								15,660	15,140	10,260	6,270	3,450
19								15,520	15,140	10,140	6,160	3,360
20	1,890	4,530	6,720	9,460	10,310	11,000	14,340	15,420	14,810	9,620	6,050	3,290
21								15,330	14,670	9,540	5,970	3,200
22								15,570	14,530	9,460	5,860	3,140
23								15,330	14,430	9,370	5,790	3,110
24								15,090	14,340	9,160	5,650	3,080
25								15,280	14,200	9,000	5,430	3,080
26								15,420	14,060	8,870	5,360	3,080
27								15,190	13,870	8,750	5,250	3,080
28					10,310			15,230	13,680	8,670	5,180	3,110
29								15,280	13,540	8,500	5,110	3,110
30		5,180					15,280	15,330	13,310	8,380	5,040	3,140
31	2,570		7,700	10,220		12,170		15,470		8,260	4,940	

Change in Contents from last of month to last of month.

	+1,140	+2,610	+ 2,520	+2,520	+90	+1,860	+3,110	+190	-2,160	-5,050	-3,320	-1,800

Equivalent mean discharge in cubic feet per second.

	+18.5	+43.9	+41.0	+ 41.0	+1.6	+30.2	+52.3	+3.1	-36.3	-82.1	-54.0	-30.3

YEAR OR PERIOD — MEAN +2.4 — ACRE-FEET +1,710

Plate No. 42

UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY—WATER RESOURCES DIVISION

File No. _____

Daily discharge, in second-feet, of **Little Bear River near Hyrum, Utah** for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8	1.6	0.8	2.1	41	51	7.8	420	39	2.7	1.0	0.8
2	1.0	1.8	.7	2.3	49	49	8.1	533	69	2.3	1.0	.9
3	.9	1.8	.6	2.1	51	48	8.1	484	97	2.1	1.0	.9
4	.7	1.8	.9	2.1	50	47	8.1	445	116	1.8	2.9	.9
5	.7	1.6	.6	2.1	49	45	8.4	445	124	2.3	1.4	.9
6	.7	1.4	1.2	2.1	48	42	8.4	453	133	1.3	1.2	.9
7	.7	1.4	1.8	2.3	47	43	8.4	461	122	1.2	1.0	.9
8	.7	1.3	1.6	2.3	47	44	8.4	469	107	1.2	1.0	.9
9	.7	1.3	1.4	2.5	46	46	8.4	469	84	1.2	1.0	1.4
10	.6	1.3	1.4	2.3	43	58	8.4	461	55	1.2	1.0	2.9
11	.7	1.3	1.4	2.1	40	66	34	450	31	1.2	.9	2.5
12	.8	1.8	1.4	2.1	41	70	144	368	20	1.0	.9	1.2
13	.8	1.4	1.4	2.1	42	75	121	212	10	1.0	.9	1.0
14	.8	1.3	1.4	2.1	44	82	215	96	7.3	.9	1.0	1.0
15	.8	1.3	1.6	2.1	45	52	266	202	8.1	.9	1.0	1.0
16	.7	1.8	1.6	2.1	45	5.4	325	245	9.0	.8	1.0	1.0
17	.7	1.4	1.6	1.8	50	5.4	469	219	8.1	.8	.9	1.0
18	.6	1.3	1.6	1.8	54	5.6	495	196	4.6	.8	1.2	1.0
19	.6	1.3	1.6	1.8	48	5.6	471	185	2.5	1.0	4.6	.9
20	.6	1.3	1.6	1.8	44	5.8	430	183	2.5	1.6	1.3	.9
21	.6	1.0	1.6	1.8	44	5.8	293	183	2.5	1.6	.9	.9
22	.7	1.0	1.6	1.8	48	6.1	192	183	1.8	1.8	.9	.9
23	.8	.9	1.6	2.1	50	6.4	173	183	1.8	1.4	.8	.9
24	.8	.9	1.6	2.1	49	6.7	175	89	1.3	1.2	.8	.9
25	.8	.9	1.8	2.1	48	6.7	181	50	1.3	1.2	.9	.9
26	.9	.9	1.8	2.1	48	6.7	303	50	1.3	1.2	.9	.8
27	.9	.9	1.8	2.1	52	7.0	318	21	1.3	1.2	.9	.8
28	1.4	.9	2.1	2.1	55	7.0	298	9.4	1.4	1.2	.9	.8
29	1.8	.9	1.8	3.6		7.3	335	8.7	2.3	1.2	.8	.8
30	2.1	.9	1.8	12		7.8	358	7.6	2.7	1.0	.8	.8
31	2.1		2.1	26		7.6		13		1.0	.8	
	27.5	38.7	45.8	99.8	1,318	920.9	5,678.5	7,793.7	1,066.8	41.3	35.6	31.4
	.89	1.29	1.48	3.22	47.1	29.7	189	251	35.6	1.33	1.15	1.05
	55	77	91	198	2,610	1,830	11,260	15,460	2,120	82	71	62

Year or Period — Mean 46.8 — Acre-Feet 33,920

Plate No. 43

Daily discharge, in second-feet, of Utah Power & Light Co.'s Tailrace near Logan, Utah, for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	96	87	69	75	68	67	70	191	198	190	128	99
2	95	87	78	76	64	66	74	191	198	191	128	97
3	92	86	78	74	69	66	74	193	196	193	127	96
4	92	87	86	74	68	63	71	196	196	193	125	95
5	93	87	78	70	68	55	68	199	198	193	125	95
6	93	86	76	66	63	59	70	198	198	193	124	92
7	95	86	79	52	68	67	74	198	198	193	124	93
8	92	86	72	55	67	65	78	196	196	193	124	92
9	92	85	68	60	68	62	87	198	196	193	123	91
10	93	85	78	74	58	75	95	199	194	193	111	90
11	89	85	80	78	58	68	95	199	193	194	104	89
12	92	92	77	70	68	67	93	198	193	191	105	85
13	93	91	75	65	68	72	93	198	193	188	105	84
14	93	85	76	71	67	72	95	199	193	185	105	84
15	93	86	74	65	66	66	96	199	191	178	103	85
16	92	96	68	74	67	60	95	199	191	174	107	83
17	91	89	65	67	68	66	98	199	191	170	108	83
18	90	84	60	64	66	69	65	199	190	166	109	84
19	90	85	64	74	54	64	125	199	190	164	110	86
20	90	84	66	69	54	66	123	199	190	162	109	83
21	90	84	69	67	64	63	35	199	191	158	109	80
22	90	84	74	59	69	69	42	198	191	156	107	79
23	90	81	74	67	63	67	136	198	191	153	105	80
24	91	83	72	67	64	68	124	198	190	150	107	80
25	91	81	72	68	64	66	164	198	188	150	107	89
26	90	83	74	66	66	61	132	198	188	148	107	96
27	89	81	64	62	68	61	142	198	186	142	105	107
28	89	81	59	61	66	66	137	198	186	140	103	107
29	87	74	72	66		68	158	198	188	140	102	107
30	87	78	76	69		71	183	198	190	136	101	105
31	86		74	69		71		198		132	98	
	2,826	2,549	2,247	2,094	1,821	2,049	2,992	6,126	5,772	5,302	3,455	2,716
MEAN	91.2	85.0	72.5	67.5	65.0	66.1	99.7	198	192	171	111	90.5
ACRE-FEET	5,610	5,060	4,460	4,150	3,610	4,060	5,930	12,150	11,450	10,520	6,850	5,390

YEAR OR PERIOD MEAN 109
ACRE-FEET 79,240

Plate No. 44

UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY—WATER RESOURCES DIVISION File No. _____

...ly discharge, in second-feet, of Logan, Hyde Park, & Smithfield Canal near Logan, Utah, for the year ending September 30, 19 55

...ay	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.4	2.9	2.9	3.7	4.6	4.9	0.6	0.2	75	90	41	24
2	3.4	3.2	4.0	3.7	4.9	4.9	.6	0	67	87	40	23
3	3.4	2.9	3.4	3.7	4.6	4.6	.6	0	49	85	39	23
4	3.4	2.9	4.0	3.7	4.9	4.6	.6	0	27	82	38	23
5	3.7	2.9	3.4	3.4	5.4	4.4	.6	1.2	25	76	37	23
6	3.4	2.6	2.9	3.2	5.4	4.3	.4	5.8	33	69	36	22
7	3.4	2.6	2.6	3.2	5.4	4.3	.2	6.3	36	62	36	22
8	3.7	2.6	2.3	3.2	5.4	4.6	.2	5.8	45	58	36	22
9	4.3	2.6	2.6	3.4	5.4	4.6	.2	5.8	74	55	35	22
10	3.7	2.6	2.9	3.7	5.0	5.8	.2	33	85	49	32	22
11	4.3	2.6	2.9	4.0	5.0	4.9	.2	40	99	43	32	22
12	4.6	4.3	2.6	4.0	5.4	4.6	.2	56	111	46	30	23
13	4.6	3.7	2.6	3.7	5.8	4.6	.2	63	119	42	31	24
14	4.0	3.2	2.3	4.0	5.8	4.6	.1	66	122	40	32	24
15	3.7	3.2	2.3	4.0	5.8	4.3	.1	56	119	40	32	24
16	3.7	4.6	2.3	4.0	5.8	4.3	.1	47	124	41	34	24
17	3.2	3.7	2.3	4.0	5.8	4.6	.1	54	126	40	31	24
18	3.2	3.2	2.6	4.0	5.4	4.6	0	62	122	40	31	24
19	3.2	2.9	2.6	4.3	4.9	4.3	.9	72	116	41	31	25
20	4.0	2.9	2.9	4.3	5.4	4.3	.9	76	119	41	31	25
21	3.4	2.9	2.9	4.3	5.8	4.3	0	79	120	41	30	24
22	3.4	2.6	2.9	4.0	5.8	4.3	0	84	119	41	30	24
23	3.4	2.6	2.9	4.3	5.8	4.3	.6	90	117	40	29	24
24	4.0	2.6	3.2	4.3	5.8	4.3	.6	93	116	40	29	24
25	4.0	2.6	3.2	4.0	5.4	4.0	.7	89	105	41	29	14
26	3.7	2.6	2.9	3.7	4.9	4.0	.4	80	115	42	28	4.9
27	3.4	2.6	2.6	3.7	5.4	4.3	.6	77	114	43	28	3.4
28	3.4	2.6	2.9	3.7	5.4	4.6	.4	80	113	42	26	2.9
29	3.2	2.6	3.2	4.3		3.2	.4	95	104	42	25	3.2
30	3.2	2.6	3.4	4.3		2.0	.2	107	93	42	24	2.9
31	2.9		3.4	4.6		1.6		85		42	24	
	112.3	88.4	89.9	120.4	150.4	133.0	10.9	1,609.1	2,809	1,583	986	592.3
...AN	3.62	2.95	2.90	3.88	5.37	4.29	.36	51.9	93.6	51.1	31.8	19.7
...PER-...EPT	223	175	178	239	298	264	22	3,190	5,570	3,140	1,960	1,170

...GOVERNMENT PRINTING OFFICE 1

YEAR OR PERIOD MEAN 22.7

ACRE-FEET 16,430

Plate No. 45

B-214c UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY—WATER RESOURCES DIVISION 15a No. ____

Daily discharge, in second-feet, of **Logan River above State Dam near Logan, Utah** *, for the year ending September 30, 19* **55**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	14	13	13	15	12	18	67	255	47	20	19
2	13	15	13	14	14	12	18	75	233	40	21	19
3	12	15	13	14	14	12	18	65	236	35	21	19
4	12	13	13	14	14	12	17	40	252	30	21	19
5	13	13	13	14	14	12	17	58	239	28	19	19
6	12	13	12	14	13	12	17	98	233	27	20	19
7	12	13	13	14	13	12	17	161	255	32	22	19
8	13	13	12	14	12	12	17	230	323	29	23	19
9	13	13	12	15	12	12	19	217	303	22	21	20
10	12	12	12	16	12	12	21	202	323	21	23	20
11	15	12	12	15	12	12	25	230	304	19	31	20
12	14	14	12	15	12	12	22	245	285	20	22	20
13	14	13	12	15	12	12	21	275	258	19	36	20
14	13	13	12	15	12	12	28	315	252	19	38	20
15	13	13	13	15	12	12	47	271	223	19	28	20
16	13	13	13	15	12	12	50	194	205	19	31	20
17	13	12	12	15	12	12	77	153	185	20	25	21
18	13	12	12	16	12	12	102	150	172	20	23	20
19	13	12	12	15	12	12	35	208	161	20	25	21
20	14	12	12	15	12	12	21	293	156	20	22	21
21	13	12	13	15	13	12	81	378	138	20	20	20
22	14	12	13	18	13	12	105	488	123	20	19	20
23	14	12	13	20	13	12	26	470	119	20	19	20
24	14	12	13	15	13	12	21	437	109	20	19	20
25	15	12	13	15	13	12	35	387	105	20	19	34
26	15	12	13	15	13	12	67	336	79	20	19	32
27	14	12	13	15	13	12	28	304	67	20	19	22
28	14	12	13	16	13	12	18	233	57	19	19	17
29	14	12	13	15		13	22	182	58	19	19	17
30	14	12	13	15		16	41	165	58	19	19	17
31	14		13	15		16		282		19	19	
	414	380	391	467	356	381	1,051	7,229	5,786	722	712	614
Mean	13.4	12.7	12.6	15.1	12.7	12.3	35.0	233	193	23.3	23.0	20.5
Acre-Feet	821	754	776	926	706	756	2,080	14,340	11,480	1,430	1,410	1,220

Year or Period — Mean 50.7 — Acre-Feet 36,700

Plate No. 46

Combined

Daily discharge, in second-feet, of Logan River, Utah Power & Light Co.'s tailrace & Logan, Hyde Park & Smithfield Canal near Logan, Utah for the year ending September

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	112	104	85	92	88	84	89	258	528	327	189	142
2	111	105	95	94	83	83	93	266	498	318	189	139
3	107	104	94	92	88	83	93	258	481	313	187	138
4	107	103	103	92	87	80	89	236	475	305	184	137
5	110	103	94	87	87	71	86	258	462	297	181	137
6	108	102	91	83	81	75	87	302	464	289	180	133
7	110	102	95	69	85	83	91	365	489	287	182	134
8	108	102	86	72	84	82	95	430	564	280	182	133
9	109	101	83	78	85	82	106	421	593	270	179	133
10	109	100	94	94	75	93	116	434	602	263	166	132
11	108	100	96	97	75	85	110	469	596	256	167	131
12	111	110	93	89	85	84	115	499	589	257	167	128
13	112	108	91	84	86	89	114	536	570	249	172	128
14	110	101	91	90	85	89	123	580	567	244	175	128
15	110	102	90	84	84	82	113	576	533	237	163	129
16	109	114	84	93	85	76	145	440	520	234	172	127
17	107	105	80	86	86	83	175	406	502	230	164	128
18	106	99	76	84	83	86	167	411	484	226	163	128
19	106	100	80	93	71	80	161	479	467	225	166	132
20	108	99	82	88	71	82	145	568	465	223	162	129
21	106	99	86	86	83	79	116	656	449	219	159	124
22	107	99	91	81	88	85	117	770	433	217	156	123
23	107	96	91	91	82	83	163	758	427	213	153	124
24	109	98	89	86	83	84	146	728	415	210	155	124
25	110	96	89	87	82	82	900	674	398	211	155	137
26	109	98	91	85	84	77	199	614	382	210	154	133
27	106	96	81	81	86	77	171	579	367	205	152	132
28	106	96	77	81	84	83	155	511	356	201	148	127
29	104	89	90	85		84	140	475	350	201	146	127
30	104	93	94	88		89	224	490	341	197	144	125
31	103		92	89		89		565		193	141	
	3,349	3,024	2,754	2,681	2,326	2,564	4,054	14,964	14,387	7,687	5,153	3,922
A. F.	108	101	88.8	86.5	83.1	82.7	135	483	479	248	166	131
Acre-Feet	6,640	6,000	5,460	5,320	4,610	5,090	8,040	29,680	28,500	15,090	10,220	7,780

Year: Mean 183

Previous: Acre-Feet 132,400

Plate No. 47

Daily discharge, in second-feet, of Blacksmith Fork above U. P. & L. Co's Dam near Hyrum, Utah for the calendar year ending Sept. 30 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	69	68	65	65	66	64	69	297	152	105	87	80
2	68	66	65	66	68	62	76	307	156	102	86	76
3	68	66	65	66	66	62	75	281	156	102	86	72
4	68	66	68	65	66	62	72	268	158	100	84	78
5	69	64	70	64	66	62	70	320	152	98	84	76
6	69	66	68	59	65	61	69	369	148	97	86	75
7	69	66	68	52	65	62	75	401	144	97	87	72
8	69	66	66	55	65	62	86	385	142	97	87	76
9	65	66	61	59	65	65	102	331	136	95	86	76
10	70	66	62	72	62	72	117	307	136	95	86	75
11	70	68	64	74	60	70	123	300	134	95	84	75
12	70	72	62	69	64	72	105	297	132	92	84	75
13	70	72	65	68	66	72	119	284	125	90	86	76
14	70	69	65	69	65	74	142	279	128	92	87	76
15	70	68	64	66	65	72	148	256	126	92	86	78
16	70	76	65	69	65	68	142	227	123	92	86	78
17	70	72	60	69	69	69	173	204	121	90	84	78
18	70	69	59	68	68	68	169	190	117	90	82	78
19	69	68	60	68	60	66	136	192	115	90	87	82
20	69	66	61	69	60	65	123	199	112	90	84	80
21	69	68	62	69	65	65	140	204	108	90	81	80
22	69	68	64	66	69	65	152	210	105	90	81	76
23	69	66	64	66	66	65	142	201	105	90	80	75
24	70	66	64	68	65	66	138	192	105	90	81	76
25	70	66	64	69	65	65	213	186	103	92	82	82
26	69	66	64	68	65	62	217	175	103	90	86	81
27	69	66	60	68	66	61	166	171	102	90	82	78
28	69	66	50	66	65	61	150	156	102	89	82	76
29	68	66	68	65		64	164	146	102	89	81	78
30	64	66	65	68		65	217	144	103	82	80	80
31	68		65	68		65		154		86	75	
	2,136	2,024	1,973	2,053	1,822	2,034	3,890	7,633	3,751	2,879	2,630	2,314
Mean	68.9	67.5	63.6	66.2	65.1	65.6	130	246	125	92.9	83.9	77.1
Acre-Feet	4,240	4,010	3,910	4,070	3,610	4,030	7,720	15,140	7,440	5,710	5,160	4,590

Max. May 96.2
Min. April 69,630

Plate No. 48

Daily discharge, in second-feet, of **Hammond (East Side) Canal near Collinston, Utah** *, for the year ending September 30, 19* **55**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	43	14	0.6					0	122	166	144	143
2	61	13	.2					0	46	167	144	143
3	64	13	0					0	24	167	145	144
4	64	12	0					0	20	166	146	144
5	54	7.1	0					0	27	165	146	144
6	48	5.6	0					5.6	37	169	144	144
7	48	5.0	0					54	49	168	150	144
8	49	10	0					56	58	168	155	144
9	49	22	0					79	94	168	155	142
10	50	22	0					71	105	169	155	135
11	50	20	0					65	129	169	156	136
12	49	21	0					64	140	169	157	129
13	42	21	0					113	140	169	134	116
14	36	21	0					125	120	169	104	114
15	36	21	0					115	118	169	110	110
16	36	17	0					110	126	171	125	104
17	36	7.3	0					109	137	171	127	105
18	36	4.7	0					109	149	172	127	104
19	27	2.6	0					113	149	172	127	97
20	22	1.9	0					117	149	171	127	93
21	19	1.6	0					126	149	164	132	95
22	19	1.4	0					134	150	161	144	90
23	20	.9	0					147	150	162	153	83
24	20	.4	0					152	154	160	154	83
25	18	.4	0					162	163	155	151	62
26	16	.5	0					160	167	150	133	41
27	16	.5	0					163	170	148	142	52
28	16	.7	0					165	170	145	143	72
29	16	.7	0					165	155	146	143	72
30	16	.6	0					165	166	145	141	72
31	16		0					132		144	143	
	1,092	268.9	.8	0	0	0	0	2,976.6	3,533	5,055	4,357	3,257
	35.2	8.96	.03	0	0	0	0	96.0	118	163	141	109
	2,170	533	1.6	0	0	0	0	5,900	7,010	10,030	8,640	6,460

Mean in second-feet 56.3

Acre Feet 40,740

Plate No. 49

Daily discharge, in second-feet, of **West Side Canal near Collinston, Utah** for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	184	94	76					0	469	668	557	639
2	273	90	75					0	224	674	557	639
3	301	91	71					0	190	683	559	639
4	281	90	73					0	195	688	557	639
5	228	91	73	39	18			0	194	695	572	641
6	208	91	73					0	175	706	595	657
7	208	91	73			17		0	193	711	619	661
8	208	91	73					0	313	711	644	652
9	208	91	68					0	420	711	644	644
10	208	85	58					242	439	711	630	641
11	207	84	57	30				241	514	709	619	644
12	204	83	56					243	602	713	634	630
13	195	82	53					298	619	718	574	591
14	189	81	48			7.1		348	500	718	490	572
15	189	80	47		15	0		289	506	713	479	557
16	189	79	44			0		276	555	713	462	530
17	188	75	39			0		320	559	718	446	530
18	181	79	39			0		392	559	718	431	526
19	166	87	38			0		429	585	718	429	502
20	166	89	38			0		508	604	720	444	475
21	165	90	39	18		0		564	597	716	510	479
22	164	91				0		604	619	711	580	458
23	164	91				0		644	626	706	641	431
24	163	90				0		668	639	699	668	415
25	124	90			17	0		655	672	670	663	321
26	101	79	39			0		652	679	648	604	273
27	100	73				0		652	683	635	639	272
28	100	73				0		661	686	613	657	309
29	99	74				0		699	683	600	639	308
30	99	75				0		692	679	572	637	308
31	99					0		559		559	637	
	5,559	2,550	1,602	780	466	228.1	0	10,636	14,978	21,245	17,817	15,583
	179	85.0	51.7	25.2	16.6	7.36	0	343	499	685	575	519
	11,030	5,060	3,180	1,550	924	452	0	21,100	29,710	42,140	35,340	30,910

251

Acre-Feet 181,400

Plate No. 50

Daily discharge, in second-feet, of **Bear River near Collinston, Utah** for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	33	706	1,110	1,020	964	944	1,970	1,600	1,120	30	31	42
2	42	679	902	986	994	915	1,430	2,450	1,180	30	31	41
3	32	491	615	419	844	533	1,190	2,240	1,90[illegible]	33	32	39
4	918	824	814	937	908	596	1,650	2,140	1,90[illegible]	30	32	36
5	869	676	863	1,120	605	1,140	1,540	2,100	2,310	30	33	119
6	497	514	831	711	1,370	881	1,680	1,990	2,260	28	44	33
7	708	625	848	476	1,280	786	1,380	2,340	1,940	34	34	43
8	388	712	764	494	683	613	1,130	1,820	1,920	31	34	42
9	619	281	779	951	983	1,030	1,450	2,130	1,460	42	34	39
10	143	816	625	548	966	1,240	1,230	2,880	1,550	27	34	33
11	381	687	597	748	1,230	1,850	1,650	1,930	1,300	32	31	34
12	1,220	1,090	696	1,170	434	1,740	1,790	2,080	398	28	32	34
13	325	586	788	688	218	1,610	1,770	2,410	643	31	41	39
14	312	1,530	1,110	1,140	912	1,980	1,580	1,910	483	32	33	32
15	736	841	1,080	1,150	1,210	1,800	1,720	1,340	569	30	32	32
16	603	772	903	1,150	1,180	1,590	2,050	2,230	626	32	164	32
17	129	1,020	944	677	994	1,340	2,340	2,180	201	32	335	33
18	934	931	608	798	1,440	1,780	2,710	1,290	28	46	708	33
19	861	540	855	1,110	571	2,360	2,630	904	35	39	244	37
20	668	599	958	1,120	221	1,430	2,330	860	504	36	88	33
21	332	864	591	1,120	1,010	1,990	2,330	26	540	34	30	33
22	708	432	481	978	432	1,060	2,210	28	44	33	30	33
23	644	373	275	1,130	814	1,310	2,060	1,090	160	40	31	926
24	1,060	831	919	946	716	1,390	2,090	1,170	28	28	76	508
25	779	956	777	637	693	1,150	2,320	981	30	48	31	981
26	820	1,100	539	724	151	1,220	2,290	1,200	39	30	33	791
27	284	941	626	1,000	1,060	1,700	2,490	367	33	30	32	832
28	701	673	760	918	1,470	1,300	2,580	31	31	31	32	133
29	668	789	411	668		1,550	2,270	32	31	31	32	767
30	661	907	484	531		1,940	2,100	63	31	31	33	934
31	580		1,120	1,030		1,990		728		31	33	
	17,655	22,786	23,673	27,095	24,353	42,758	57,960	44,540	23,294	1,020	2,440	6,744
	570	760	764	874	870	1,379	1,932	1,437	776	32.9	78.7	225
	35,020	45,200	46,950	53,740	48,300	84,810	115,000	88,340	46,200	2,020	4,840	13,380

Year Max. 806

Acre-Feet 583,800

Plate No. 51

Daily discharge, in second-feet, of **Bear River near Corinne, Utah** for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	667	780	1,110	1,220	1,170	1,580	2,080	2,270	684	145	121	109
2	233	888	1,290	1,170	1,100	1,180	2,130	2,050	1,340	140	114	118
3	198	731	1,070	1,150	1,120	1,160	1,820	2,480	1,610	137	108	124
4	210	676	793	660	1,000	780	1,540	2,370	2,040	138	109	119
5	809	1,030	971	1,050	1,040	820	1,860	2,390	2,170	132	107	118
6	1,110	870	1,030	1,280	870	1,260	1,870	2,450	2,520	128	112	118
7	845	569	1,010	920	1,520	1,100	1,830	2,250	2,220	124	115	140
8	872	787	991	680	1,420	1,020	1,690	2,420	2,150	122	130	124
9	649	806	907	700	900	900	1,470	1,900	2,000	127	126	137
10	766	500	906	1,120	1,100	1,280	1,660	2,300	1,890	126	120	134
11	380	905	776	760	1,100	1,520	1,530	2,410	1,540	133	115	134
12	450	1,010	615	960	1,340	1,960	1,890	2,050	1,430	128	115	142
13	1,290	1,280	748	1,320	640	1,900	1,790	2,160	785	116	136	*167
14	660	897	975	920	410	1,840	2,060	2,480	702	112	184	198
15	388	1,540	1,230	1,300	1,100	2,100	1,870	2,090	547	109	170	184
16	839	1,210	1,160	1,300	1,320	1,960	1,890	1,620	622	105	160	160
17	795	1,060	1,040	1,310	1,300	1,820	2,270	2,120	680	103	174	146
18	461	1,120	1,080	840	1,180	1,640	2,600	2,140	513	101	309	142
19	892	1,170	800	960	1,570	2,080	2,740	1,520	232	101	705	151
20	1,160	785	1,100	1,260	860	2,460	2,700	1,000	172	102	436	148
21	741	677	1,140	1,260	460	1,720	2,610	1,000	376	101	217	146
22	482	1,030	805	1,250	1,140	2,080	2,490	218	714	101	172	140
23	807	619	715	1,180	660	1,360	2,390	115	270	101	145	137
24	841	499	326	1,280	980	1,460	2,210	993	170	103	131	670
25	1,220	975	953	1,100	880	1,500	2,350	1,230	191	110	132	546
26	850	1,210	1,000	770	850	1,400	2,610	1,110	140	122	142	938
27	890	1,330	589	810	420	1,440	2,590	1,290	127	126	127	876
28	380	1,160	760	1,120	1,240	1,780	2,670	578	121	118	131	867
29	770	841	880	1,060		1,610	2,640	149	124	119	130	423
30	818	910	600	830		1,820	2,540	114	138	118	124	758
31	716		620	710		2,070		127		121	115	
	22,189	27,865	27,990	32,250	28,690	48,600	64,390	49,394	28,168	3,669	5,232	8,314
	716	929	903	1,040	1,025	1,568	2,146	1,593	939	118	169	277
	44,010	55,270	55,520	63,970	56,910	96,400	127,700	97,970	55,870	7,280	10,380	16,490

950

Acre-Feet 687,800

Plate No. 52

DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS ABOVE MYERS NARROWS

MAY 1955	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
*HOVANRA EAST FORK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.6	12	12	12	11	11	10	9.2	8.9	7.9	7.9	10	12	128.6
*HILLIARD EAST FORK	0	0	0	0	7.0	6.9	6.7	6.6	7.2	7.6	7.9	6.6	6.2	5.0	4.8	4.0	5.3	7.4	7.2	9.4	11	11	10	9.6	6.8	3.4	3.3	3.2	2.8	2.9	3.0	167.8
*LANNON (ONE-THIRD OF FLOW)	0	0	0	0	0	0	0	0	0.3	2.2	2.3	2.4	2.3	2.2	0.1	0	4.0	7.0	8.0	10	11	11	11	11	11	8.0	5.0	4.7	4.3	4.7	5.0	116.5
*HILLIARD WEST SIDE CANAL	3.0	3.0	3.0	3.0	3.0	1.8	1.0	0.6	0.5	0.4	0.1	0.5	0.6	0.6	0.5	0.4	0.3	0.7	0.3	8.8	[illegible]	6.4	6.4	5.8	5.3	4.5	4.0	3.6	10	26	22	139.9
MAIN CANAL	0.5	0.5	0.5	0.5	0.5	0.4	3.0	2.8	3.0	5.8	8.2	19	47	47	45	39	37	34	38	42	69	65	60	59	56	51	48	45	45	60	69	1021.7
TOTAL	3.5	3.5	3.5	3.5	5.5	9.1	9.7	10.0	10.7	14.1	18.7	28.4	56.2	54.9	52.5	43.5	42.6	45.6	52.5	90.2	104	93.4	87.4	87.4	79.1	66.9	60.3	56.5	62.1	93.6	99.0	1445.9
**																																
*LANNON (TWO-THIRDS OF FLOW)	0	0	0	0	0	0	0	0	0	0.4	4.5	4.6	4.8	4.6	4.5	0.2	0	8.0	12	17	20	22	21	22	21	16	10	9.3	8.7	9.3	11	230.9
ALONE MOUNTAIN (MASSAE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.7	3.4	3.2	2.9	2.6	2.3	2.0	1.9	1.7	1.6	1.2	1.1	1.0	1.0	0.9	28.5
TROPIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DANIELSON	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.8	7.9	13	16	17	17	14	11	11	18	17	16	15	15	15	15	254.4
PINE GROVE & CROWN	17	13	13	14	14	15	16	16	17	17	18	18	19	19	20	20	19	18	31	40	57	45	36	35	33	31	29	26	27	28	16	737.0
McGLAN & BIG BEND					20											5.6	5.6	5.6	5.6	12	41	44	48	45	43	40	36	26	28	29	29	
HOMER																1.9	1.9	1.8	2.2	2.6	3.0	2.9	2.8	2.7	2.6	2.5	2.4	0.4	2.1	3.9	4.3	
LEWIS																2.8	2.7	2.5	1.6	0.8	0	0	0	0.4	0.8	1.2	1.5	1.3	1.4	1.4	1.4	
LEWIS & HANCHARD																8.0	7.6	7.2	7.8	8.4	9.0	10	11	12	13	13	11	10	10	10	10	
MYERS # 2																0.9	0.9	0.8	0.8	0.9	1.0	1.1	1.1	0.9	0.8	0.7	0.6	0.5	0.5	0.5	0.5	
MARK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.0	6.0	7.3	6.6	5.9	5.2	4.9	4.0	3.1	3.3	52.1
COFFMAN # 1									0.6	0.8	1.0	1.2	0.6	0.1	0	0	1.5	3.0	3.3	3.6	3.8	3.9	4.0	4.1	3.8	3.6	3.1	2.6	2.6	2.7	2.7	
COFFMAN # 2	0	0	0	0	0	0	0	0	0	0	1.2	1.4	2.8	2.3	1.6	0.9	0.6	0.3	0.5	0.8	0.9	0.9	0.8	0.8	2.1	3.5	2.0	0.5	0.8	1.2	1.6	30.0
KNOWLTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL STATE LINE TO MYERS NARROWS																43.1	49.4	53.6	62.0	138.0	155.3	143.1	145.7	145.1	145.4	136.0	120.0	98.6	101.1	105.1	95.3	

JUNE 1955																																
*HOVANRA EAST FORK	9.3	[illegible]	8.5	8.1	7.7	8.7	10	11	9.3	[illegible]	3.5	7.7	7.5	11	11	10	10	10	10	10	9.8	9.8	9.6	9.6	9.1	8.7	8.5	8.3	8.1	7.7		261.7
*HILLIARD EAST FORK	2.8	2.7	7.4	11	11	11	12	13	12	13	9.7	6.2	7.1	12	10	12	17	17	17	18	18	17	18	17	16	14	11	9.7	7.6	6.3		687.8
*LANNON (ONE-THIRD OF FLOW)	4.7	4.7	[illegible]	4.3	6.0	[illegible]	[illegible]	7.0	7.0	7.0	7.6	6.0	6.0	6.0	5.0	5.0	4.7	4.7	4.7	4.3	[illegible]	4.3	4.0	4.0	3.7	3.7	3.7	3.3	3.3	4.0		143.7
*HILLIARD WEST SIDE CANAL	13	11	10	10	9.4	10	10	4.7	16	25	21	18	32	32	29	27	24	22	22	22	23	37	35	28	25	23	21	24	24	21		632.1
MAIN CANAL	60	52	47	43	39	47	63	73	75	67	62	60	58	57	53	51	50	52	51	52	48	47	45	47	40	38	32	42	60	55		1400.0
TOTAL	80.5	70.4	68.7	68.3	63.4	72.0	90.0	97.7	110.0	112.0	99.7	86.7	117.0	126.0	117.0	115.0	115.7	115.7	116.7	116.3	113.3	126.3	121.0	110.0	102.7	95.7	107.7	117.3	113.3	103.0		3063.6
**																																
*LANNON (TWO-THIRDS OF FLOW)	9.3	9.3	8.7	8.7	8.0	8.0	10	12	11	12	12	12	12	11	11	10	9.3	9.3	9.3	8.7	8.7	8.7	8.0	8.0	7.3	7.3	7.3	6.7	6.7	8.0		280.3
*ALONE MOUNTAIN (MASSAE)	0.9	0.8	0.7	0.6	0.6	0.6	0.9	1.7	1.5	1.8	2.2	2.0	1.9	1.8	1.6	1.5	1.5	1.4	1.4	1.3	1.2	1.2	1.3	1.2	1.2	1.2	1.1	1.1	1.1	1.1		38.2
TROPIC	0	0	0	0	0	0	0	0	0	3.1	8.0	8.0	8.0	6.8	5.7	4.8	3.8	2.8	1.9	1.4	0.7	0.7	1.9	3.1	3.0	1.6	0.2	0.7	1.2	0.8		67.8
DANIELSON	15	15	16	16	15	15	16	17	16	16	17	17	17	16	15	15	14	13	13	13	15	18	18	18	17	16	16	14	13	13		465.0
PINE GROVE & CROWN	4.6	11	18	24	24	25	31	37	36	36	35	35	35	33	31	30	29	28	28	36	44	44	44	40	40	38	37	34	30	23		944.6
McGLAN & BIG BEND	30	28	25	24	18	11	13	16	15	14	38	37	37	34	31	30	28	26	26	26	22	24	23	22	19	18	18	18	18	13		702.0
HOMER	4.3	5.0	1.8	1.7	2.1	2.6	4.4	6.1	4.6	3.0	2.6	2.3	1.9	3.6	5.3	4.0	2.7	2.7	2.4	2.1	4.8	5.1	4.8	4.4	3.2	3.8	4.4	3.3	2.2	2.8		105.0
LEWIS	1.4	1.4	1.3	1.4	1.3	1.2	1.8	2.5	2.6	2.6	6.6	10	10	10	10	7.0	4.0	3.7	3.7	3.7	3.0	3.0	2.9	2.8	8.5	12	11	12	10	9.6		166.0
LEWIS & HANCHARD	10	10	10	10	10	10	12	13	13	13	13	12	12	11	11	10	10	9.3	8.9	8.5	8.7	10	9.5	9.0	8.7	8.4	8.2	8.9	10	9.2		307.3
MYERS # 2	0.5	0.9	2.3	4.0	3.9	3.8	4.2	4.7	3.7	3.7	1.8	1.7	1.6	1.4	1.1	1.0	1.0	0.6	0.6	0.7	0.3	0.6	0.5	0.5	0.2	0.1	0.1	0.2	0.3	0.9		43.4
MARK	3.2	3.8	4.3	4.3	4.3	4.2	9.1	14	14	14	11	11	11	9.6	8.3	8.0	7.8	4.2	4.0	3.8	3.4	3.0	2.8	7.6	2.2	1.4	0.6	0.5	0.4	1.3		172.1
COFFMAN # 1	2.7	2.4	2.2	1.9	1.6	2.6	3.6	4.1	4.6	4.0	3.4	3.3	3.2	2.9	2.6	2.3	1.9	3.4	7.0	4.6	4.2	4.1	4.1	3.2	2.4	2.1	1.9	2.2	2.5	1.9		90.9
COFFMAN # 2	2.0	1.2	0.3	0.1	0	0.7	1.5	4.6	7.8	7.0	6.2	6.6	7.0	5.6	4.1	3.6	2.8	3.0	3.1	1.6	0.2	0.2	0.2	0.5	0.8	0.7	0.6	1.1	1.6	1.8		76.3
KNOWLTON	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.6	0.6	1.8	2.9	1.8	0.9	3.6		30.6
TOTAL STATE LINE TO MYERS NARROWS	86.7	87.6	90.4	97.5	89.6	85.5	108.3	133.0	132.1	129.0	157.6	158.7	158.4	147.5	138.5	127.8	116.6	107.8	108.1	112.3	117.2	123.5	121.7	120.0	114.1	111.4	112.3	104.5	97.8	90.0		3486.5

* Canals diverting in Utah

** Approximately one-third of the total flow of the Lannon Canal is used on Hilliard Flats

PLATE NO. 53

DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS ABOVE MYERS NARROWS

JULY 1955	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
*HOVARKA EAST FORK	7.3	7.3	6.9	6.7	6.5	6.1	5.7	5.6	5.2	4.8	5.4	4.8	4.4	4.4	5.0	4.8	4.8	4.4	4.3	4.6	5.2	5.0	6.1	6.3	6.8	5.7	5.0	4.3	4.1	3.5	3.2	163.9
*HILLIARD EAST FORK	22	23	26	27	26	25	24	22	25	28	31	29	27	26	24	23	22	21	20	23	24	24	30	23	21	1.1	1.6	1.7	1.7	1.7	1.7	608.6
*LANNON (ONE-THIRD OF FLOW)	5.0	4.7	4.7	4.3	4.0	4.0	3.7	3.3	3.3	3.1	3.3	3.7	3.7	3.3	3.3	3.2	3.1	2.9	2.9	2.9	3.1	2.9	3.3	3.1	2.1	2.2	1.9	1.6	1.5	1.4	1.9	97.4
*HILLIARD WEST SIDE CANAL	18	17	16	15	14	17	26	25	26	30	31	31	29	27	26	26	26	25	26	25	28	26	27	27	10	7.0	6.2	5.8	5.4	5.3	5.1	628.8
BEAR CANAL	49	46	44	38	30	21	18	18	15	17	12	39	24	21	18	19	20	18	18	12	7.4	6.8	8.0	20	50	58	46	39	36	32	29	803.2
TOTAL	96.0	89.7	92.7	84.3	74.0	67.0	71.7	68.3	69.3	73.1	77.3	82.7	83.7	77.3	71.3	73.2	71.1	66.9	66.9	62.9	62.5	59.7	68.3	73.1	61.2	68.3	55.7	48.1	44.6	40.4	37.7	2,138.0
**																																
*LANNON (TWO-THIRDS OF FLOW)	10	9.3	9.3	8.7	8.0	8.0	7.3	6.7	6.5	6.1	6.5	7.3	7.3	6.7	6.5	6.4	6.3	5.9	5.7	5.9	6.3	5.9	6.7	6.3	4.2	4.3	3.7	3.2	3.0	2.8	3.7	194.5
*LONE MOUNTAIN (MASSAE)	1.1	1.0	1.2	1.5	1.5	1.5	1.3	1.1	1.0	0.9	0.9	1.1	1.0	0.9	0.9	1.0	1.0	1.0	1.0	0.9	0.9	0.9	1.0	1.1	1.2	1.0	0.8	0.7	0.6	0.6	0.4	31.0
TROPIC	0.4	0.3	0.2	0.1	1.0	1.8	1.6	1.4	1.7	1.2	0.7	0.8	0	1.0	2.1	1.9	1.8	1.6	1.6	1.7	2.2	2.1	1.9	2.0	2.1	4.0	6.0	4.8	3.6	2.9	3.0	57.5
DANIELSON	12	11	13	15	9.5	4.1	4.3	5.6	9.2	8.4	7.5	8.2	5.6	5.5	5.4	5.4	5.3	5.1	4.8	4.6	1.6	1.6	1.3	3.4	5.6	8.9	12	10	8.2	7.8	7.3	217.0
PINE GROVE & CROWN	16	15	21	27	26	26	26	16	12	12	12	13	8.2	6.8	5.5	4.6	4.5	4.5	4.2	4.0	3.8	14	13	15	16	18	20	20	20	19	18	441.1
McGRAW & BIG BEND	8.5	8.3	6.2	4.2	5.4	6.6	5.8	4.9	4.0	3.6	3.2	3.2	2.5	2.4	2.2	2.2	2.0	1.7	1.6	1.5	1.9	1.9	2.2	2.1	2.0	2.1	2.2	2.0	1.9	1.7	1.7	101.7
HOMER	3.4	3.1	2.8	2.4	2.5	2.6	2.1	1.7	1.7	1.4	1.3	0.8	0.7	0.4	0.2	0.8	0.9	1.0	1.2	1.4	1.6	1.3	0.9	1.2	1.5	1.9	2.3	2.0	1.7	1.4	1.4	49.0
LEWIS	9.1	12	16	16	12	8.9	7.6	6.2	6.2	7.8	9.5	8.6	4.5	3.4	2.3	1.7	2.5	3.3	3.8	4.4	2.1	2.1	2.0	2.6	3.1	9.6	17	15	11	9.5	10	228.8
LEWIS & BLANCHARD	8.4	7.7	7.2	6.7	5.7	4.7	3.7	2.7	2.8	2.7	2.6	2.6	2.5	2.2	1.9	1.7	1.8	1.8	1.9	2.0	0.6	0.6	0.7	1.2	1.7	1.7	1.7	2.2	2.8	2.7	2.7	91.9
MYERS # 2	1.5	1.2	0.8	0.5	0.5	3.0	5.5	5.5	5.1	3.4	1.8	1.7	1.6	0.8	0	0	0	0	0	0	3.5	2.8	2.6	4.4	6.2	5.9	5.6	4.1	2.6	2.5	2.1	75.2
HAKE	2.2	1.7	0.8	0	0.9	1.9	1.9	1.9	1.8	2.2	2.5	1.2	0.1	1.4	2.8	2.6	2.5	2.4	2.0	2.0	3.4	2.0	2.3	4.4	6.5	4.8	3.0	2.7	2.4	0.6	0.8	67.7
COFFMAN # 1	1.5	1.1	1.3	1.5	2.1	2.7	1.8	0.9	1.8	2.7	2.8	2.9	2.0	1.1	0.9	0.7	0.8	1.0	0.9	0.9	1.6	2.3	2.4	2.4	2.4	2.3	2.2	2.2	2.0	1.0	1.7	54.7
COFFMAN # 2	1.6	0.6	0.8	0.9	1.2	1.4	1.0	0.5	1.4	2.3	2.6	2.8	2.2	1.7	1.0	0.3	0.8	1.4	1.3	1.3	2.3	3.3	2.4	1.4	4.2	7.1	4.9	2.7	2.0	1.4	1.3	59.9
KNUDSEN	7.0	6.0	5.7	5.4	5.0	4.5	3.3	2.1	2.1	1.2	0.3	1.7	0	0	0	4.5	2.2	0	0	0	0.8	1.6	1.8	3.0	4.3	4.6	5.0	3.6	2.1	1.6	1.6	81.0
TOTAL STATE LINE TO MYERS NARROWS	82.7	78.3	86.3	89.9	81.3	77.7	73.0	67.2	67.3	65.9	64.0	65.9	38.2	34.3	31.7	33.8	32.4	30.7	30.0	30.6	32.4	42.2	41.2	50.5	63.0	76.2	85.4	75.2	63.9	56.3	55.5	1,751.0
AUG. 1955																																
*HOVARKA EAST FORK	3.2	3.0	1.4	1.5	1.6	2.7	2.2	4.3	4.0	3.8	1.8	1.4	2.7	2.7	3.8	3.5	3.3	3.7	3.2	2.7	2.5	1.8	1.5	1.3	1.8	2.1	1.2	1.0	1.0	0.9	0.7	79.0
*HILLIARD EAST FORK	1.7	1.7	1.7	1.7	5.4	8.4	8.4	8.3	8.2	8.2	7.9	7.9	7.9	7.9	8.0	7.9	7.9	8.0	8.1	7.9	7.8	7.8	7.7	7.7	7.9	8.1	10	15	15	15	14	249.1
*LANNON (ONE-THIRD OF FLOW)	2.5	2.4	2.1	1.9	2.0	2.2	2.5	2.0	1.6	1.7	1.7	2.3	2.3	2.4	2.4	2.5	2.4	2.3	2.3	1.9	1.7	1.5	1.4	1.4	2.0	3.2	2.3	1.7	1.5	1.3	1.1	62.7
*HILLIARD WEST SIDE CANAL	4.9	4.5	4.4	4.4	4.4	4.5	4.4	4.2	3.9	3.9	3.7	3.5	3.4	3.4	3.4	3.4	3.4	3.2	3.4	3.1	3.1	3.1	3.1	3.5	5.4	5.4	5.2	4.5	4.4	4.4	4.2	125.7
BEAR CANAL	28	28	26	24	25	32	35	29	24	25	21	19	19	19	19	19	19	19	19	16	14	13	13	13	17	12	20	16	14	14	14	645.0
TOTAL	37.1	36.6	34.2	32.0	36.8	47.1	50.3	43.9	37.7	38.8	34.3	32.7	32.6	32.7	32.8	32.8	32.7	32.5	32.8	28.9	26.6	25.4	25.6	27.7	32.0	48.7	37.4	37.2	35.0	34.7	33.3	1,082.5
**																																
*LANNON (TWO-THIRDS OF FLOW)	4.9	4.8	4.2	3.7	4.1	4.5	4.9	4.0	3.2	3.3	3.5	4.6	4.6	4.8	4.8	4.9	4.8	4.7	4.7	3.7	3.3	3.0	2.8	3.2	4.1	6.4	4.8	3.5	2.9	2.5	2.2	125.2
*LONE MOUNTAIN (MASSAE)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.6	0.8	0.9	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.8	0.8	0.9	0.9	0.8	0.7	0.6	0.5	16.9
TROPIC	3.0	2.8	2.7	2.6	2.5	2.0	1.6	1.1	0.7	0.3	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19.6
DANIELSON	6.8	7.5	7.3	7.1	6.9	6.4	6.0	5.5	5.1	4.7	4.3	3.8	3.4	3.0	2.6	2.2	2.0	1.8	1.6	1.5	1.3	1.1	0.9	1.3	1.7	2.0	1.6	1.3	1.0	0.7	0.4	102.8
PINE GROVE & CROWN	17	18	17	14	13	12	9.8	8.0	6.2	8.5	11	11	11	11	11	11	11	11	11	11	10	10	10	12	14	16	14	12	9.7	7.7	5.7	354.6
McGRAW & BIG BEND	1.7	3.0	3.0	3.0	2.9	2.9	3.0	3.1	3.1	3.0	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.4	2.6	2.6	2.5	2.5	2.5	2.0	1.4	0.8	0.7	0.6	0.6	0.5	0.4	70.2
HOMER	1.3	0.7	0.7	0.7	0.7	0.7	0.8	0.9	1.0	0.6	0.3	0.3	0.2	0.1	0	0	0	0	0	0	0	0	0	0	0.4	0.9	0	0	0	0	0	10.3
LEWIS	10	8.9	8.4	8.0	7.5	7.8	8.1	8.4	8.8	7.2	5.6	5.1	4.6	4.1	3.5	2.9	2.6	2.4	2.2	2.1	1.9	1.7	1.5	3.7	5.9	8.2	6.8	5.5	4.2	2.9	1.6	162.1
LEWIS & BLANCHARD	2.6	2.9	3.2	3.1	3.1	3.3	3.6	3.8	4.1	3.4	2.7	2.7	2.8	2.8	2.9	2.9	2.9	2.8	2.8	2.6	2.4	2.3	2.1	2.4	2.8	4.1	3.6	3.1	2.6	2.4	2.0	90.5
MYERS # 2	1.7	1.0	0.3	0.2	0.2	0.4	0.6	0.8	1.0	0.8	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.5	0.4	0.3	1.3	2.4	3.4	2.6	1.8	1.0	0.2	0.2	26.0
HAKE	0.9	0.6	0.4	0.3	0.2	0.4	0.8	1.0	1.2	0.8	0.5	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0	0	0	0	0	0	0	0	0	0	9.3
COFFMAN # 1	1.5	1.3	1.0	0.6	0.3	0.4	0.6	0.5	0.3	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.4	0.5	0.6	0.7	0.8	0.6	0.5	0.4	0.4	18.8
COFFMAN # 2	0.8	0.5	0	0.6	1.3	2.2	3.1	1.8	0.6	0.5	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.4	0.5	0.5	0.5	0.6	0.7	0.8	0.9	0.9	0.7	0.6	0.4	21.2
KNUDSEN	1.5	1.2	1.0	0.8	0.7	0.9	1.0	1.2	1.4	1.0	0.7	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11.8
TOTAL STATE LINE TO MYERS NARROWS	53.9	53.4	49.4	44.9	43.6	44.1	44.1	40.3	36.9	34.6	32.6	32.4	31.3	30.5	29.4	28.5	27.9	27.2	27.0	25.8	23.7	22.6	21.7	27.8	34.8	44.2	36.5	30.1	23.9	18.2	14.0	1,035.3

PLATE NO. 54

* Canals diverting in Utah

** Approximately one-third of the total flow of the Lannon Canal is used on Hilliard Flats

DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS ABOVE MYERS NARROWS

SEPT. 1955	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
*HOYAKE EAST FORK	0.7	0.6	0.6	0.6	0.6	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0	0	0	0	0.1	0.5	0.3	0.1	0	0	0	0.2	0.2	0.1	0.1	0	0		7.1
*HILLIARD EAST FORK	14	14	14	14	14	14	14	13	13	13	12	12	12	12	12	12	12	13	14	13	13	12	12	13	14	14	13	14	13	13		392.0
*LANNON (ONE-THIRD OF FLOW)	1.0	0.9	0.8	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2		12.1
*HILLIARD WEST SIDE CANAL	4.5	5.3	5.3	5.1	4.9	4.7	4.5	4.5	4.5	4.4	4.4	4.2	4.2	4.0	4.0	3.9	2.4	1.8	3.0	3.7	2.6	2.1	1.9	1.8	2.1	2.5	2.3	2.1	1.8	1.6		104.1
HEAR CANAL	16	18	19	21	28	24	25	25	18	2.6	7.6	2.4	2.0	2.0	2.0	2.0	2.0	2.0	6.2	6.5	4.2	3.0	3.0	3.0	3.6	5.8	4.2	4.2	3.6	3.8		264.1
TOTAL	35.5	38.2	39.1	40.8	47.5	43.3	44.1	43.1	36.1	6	19.5	19.1	18.7	18.5	18.5	18.4	16.7	16.9	23.4	23.4	19.9	17.2	17.0	17.9	19.8	22.4	19.6	20.5	18.6	18.0		772.3
**																																
*LANNON (TWO-THIRDS OF FLOW)	2.1	1.8	1.7	1.4	1.3	1.2	1.1	1.1	1.1	1.2	1.1	1.0	1.0	0.9	0.9	1.0	0.5	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3		23.9
*LOWER MOUNTAIN (NASSAU)	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0	0	0	0	0	0	0	0	0	0	0	0		6.6
TROPIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
DANIELSON	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.6	1.0	1.4	1.8	2.1	2.4	2.7	3.0	3.2	3.4	3.6	4.2	4.9	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6		87.5
PINE GROVE & CROWN	5.7	5.7	5.7	5.6	5.5	5.4	5.3	5.3	5.7	6.1	6.5	7.0	6.4	5.8	5.3	4.8	4.0	3.2	4.4	6.8	5.8	5.0	5.0	4.5	4.0	4.0	4.0	3.0	3.0	3.0		161.5
*McGRAW & BIG HEAD	0.5	0.6	0.8	1.0	1.1	1.2	1.4	1.6	1.6	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.6	1.8	1.9	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7		43.9
HOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
LEWIS	1.4	1.1	1.1	1.1	1.1	0	0	0	0	0	0.1	0.2	0.2	0.2	0.1	0	0	0	2.3	2.2	2.1	2.0	0	0	1.0	1.0	0	0	0	0		17.2
LEWIS & BLANCHARD	2.0	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.4	1.3	1.3	1.2	1.2	0.9	0.8	0.3	0.4	0.6	0.8	0.8	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6		30.7
MYERS # 2	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0.7	0.7	1.0	0.9	0.8	0.8	0.8	0.8	0	0	0	0	0		7.4
HARE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
COFFMAN # 1	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.2	0	0.1	0.2	0.2	0.3	0.4	0.3	0.3	0.3	0.3	0.1	0	0	0	0	0	0	0	0	0		5.7
COFFMAN # 2	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0	0	0	0	0	0.3	0.3	0.3	0.2	0.2	0.2	0.2	1.7	0.6	0.5	0.4	0.3	0.3	0.3	0.3	0.2	0.2		10.4
BROOKS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
TOTAL STATE LINE TO MYERS NARROWS	13.8	13.2	13.0	12.7	12.4	10.9	10.7	10.5	11.2	11.7	12.1	13.0	12.8	12.4	11.9	11.5	12.7	14.5	18.8	19.1	16.9	16.4	14.3	13.7	14.3	13.5	12.5	11.5	11.4	11.4		394.8

PLATE NO. 55

* Canals diverting in Utah

** Approximately one-third of the total flow of the Lannon Canal is used on Hilliard Flats

DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS FROM MYERS NARROWS TO STATE LINE NEAR WOODRUFF

MAY 1955	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
MYERS # 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MYERS # 1a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MYERS IRRIGATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BOOTH	0	0	0	0	0	22	22	21	20	18	17	16	14	13	12	11	9.6	8.1	8.1	10	21	23	25	26	28	14	0	0	6.5	13	6.5	384.6
ABEL	1.0	1.0	2.0	3.0	6.0	9.0	12	15	18	21	24	25	25	25	25	25	25	24	24	24	24	24	24	24	24	24	24	24	24	24	24	598.0
CORNELISON	0	0	0	0	0	0	0	0	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0	0	0	0	1.4	2.7	3.3	3.9	3.8	3.7	1.8	0	0	0	0	0	23.5
EVANSTON WATER SUPPLY												6.8	5.5	4.1	2.7	1.3	1.2	1.0	3.3	5.5	7.8	10	12	12	12	12	12	10	8.7	7.4	7.8	
KNIGHT # 2	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	2.2	2.9	2.7	2.5	5.1	7.7	5.7	3.7	4.0	3.6	3.2	3.6	61.0
STATE HOSPITAL																4.2	3.4	2.6	3.9	5.2	6.6	5.2	3.8	3.8	3.7	3.4	3.6	4.4	4.2	3.9	4.6	
EVANSTON WATER	5.5	5.5	5.5	5.5	7.0	8.5	10	11	13	15	16	17	19	19	20	20	24	27	33	39	44	49	54	56	58	52	45	38	33	28	37	814.5
BARTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FAULKNER			0.2																				12	13	13	14	15	16	17	18	19	
ROCKY MOUNTAIN-ILITH	13	14	15	16	17	18	19	20	21	22	23	24	24	24	24	24	24	24	24	24	24	24	27	27	27	27	26	21	19	17	15	690.0
PAINTER			0																				5.4	5.2	5.0	4.8	4.5	4.4	4.2	4.0	3.8	
CROMPTON # 1			1.0																				17	16	15	14	13	13	12	11	10	
PIPE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JOHNSON-NARRAMORE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KENNETT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.2	0.2	0.7	1.2	1.8	1.8	1.7	1.7	1.6	1.6	17.7
BRUCE LAWTON			0																				8.9	8.6	8.4	8.2	7.8	7.4	7.0	6.6	6.2	
A. W. SIMS			0																				3.6	3.6	3.4	3.4	3.2	3.0	2.8	2.6	2.3	
JOHN ANDERSON	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CROMPTON # 2			0.1																				11	11	11	11	9.3	7.5	5.7	3.9	2.1	
EVANS			0.3																				6.8	6.8	6.9	7.0	6.8	6.6	6.4	6.2	6.0	
SALTON-TUNNEL																							1.5	1.5	1.3	1.1	1.4	1.7	2.0	2.3	2.6	
SALTON-IRRIGATION			0.8																				30	30	33	37	35	33	31	29	27	
JOHN SIMS			1.5																				8.0	8.3	8.5	8.7	8.8	8.9	9.0	9.1	9.2	
SOUTHERN PACIFIC			0																				15	16	17	18	17	16	15	14	13	
HEWARD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SALTON-THOMAS			0																				14	16	16	18	16	14	12	10	8.0	
PARSEY			2.0																				22	24	27	30	29	28	27	25	24	
ALAY			0																				4.0	4.2	4.6	4.8	4.6	4.4	4.2	4.0	3.9	
SIMS-FLIGHT-TURNER			0.5																				10	8.1	6.6	5.2	4.9	4.6	4.3	4.0	3.7	
JOHNS			0																				7.2	7.2	4.6	2.0	2.3	2.6	2.9	3.2	3.6	
RUSSELL			0																				5.9	5.9	5.4	1.0	0.9	0.8	0.7	0.6	0.5	
TURNER			1.0																				6.2	6.4	6.7	7.1	6.9	6.6	6.4	6.2	5.9	
BARTLETT			0																				1.6	1.8	2.0	2.2	2.2	2.1	2.1	2.0	2.0	
MORRIS Hdgs.			0.5																				16	18	20	21	23	23	22	22	21	
CHAPMAN	125	125	105	72	47	50	53	52	46	50	54	55	56	77	70	64	63	68	83	100	118	103	96	92	98	114	108	101	96	88	98	2,525
LOWER MORRIS			4.0																				20	22	24	27	24	22	18	14	10	
BRUCE HORNS				2.5																			5.0	7.2	10	12	14	15	17	15	19	
TUNNEL			0	0																			31	31	32	34	33	31	29	28	26	
TURNER																							12	12	12	13	12	10	9.0	7.7	6.4	
CROMPTON # 3																										0.5						
UPPER ISLAND																4.1	2.6	2.0	2.2	2.3	3.3	6.2	9.2	10	12	11	9.6	7.0	5.1	3.2	4.8	
FLIGHT IRRIGATION				0												17	12	7.9	8.1	8.3	11	15	19	22	23	20	15	13	9.2	5.3	6.9	
BROCK & COULSTON				0																			8.0	9.0	11	13	12	11	9.4	8.1	6.8	
LOWER ISLAND				0.5																			18	20	23	27	25	23	21	19	17	
FRANCIS-LEE	2.3	2.3	2.3	2.3	2.3	2.5	2.6	2.9	2.6	2.3	2.7	4.6	9.4	17	13	13	11	10	9.8	16	26	31	42	46	53	56	52	43	33	27	28	559.4
NEAR STATE	5.0	5.0	5.0	5.0	5.1	6.0	8.1	13	16	14	39	66	72	69	72	61	48	40	33	29	38	52	71	74	84	96	79	64	52	44	46	1,311.2
TOTAL																							698.4	726.7	770.7	796.9	726.4	657.7	613.1	580.1	590.8	
*TOTAL UPPER STUMP CONTACT																							931.5	955.2	995.2	999.8	908.7	812.8	776.3	778.8	775.2	

* Includes all canals listed diverting above Woodruff Narrows except Bovarks East Fork Canal

PLATE NO. 56

DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS FROM MYERS NARROWS TO STATE LINE NEAR WOODRUFF

JUNE 1955	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
MYERS # 1	4.6	5.4	6.1	6.4	6.2	6.1	12	19	18	18	17	16	15	13	11	8.8	6.7	6.2	6.0	5.7	3.2	3.1	3.3	3.3	3.0	2.6	2.3	1.8	1.2	6.7		237.6
MYERS # 1a	1.8	1.4	1.0	1.1	1.0	0.9	1.4	1.9	1.9	1.7	1.8	1.6	1.5	1.3	1.1	1.3	1.5	0.5	0.4	0.3	0.5	0.6	0.5	0.4	0.2	0.1	0	0	0	0		27.9
MYERS IRRIGATION	41	36	30	29	29	28	45	63	66	69	66	64	63	58	53	48	42	40	37	34	24	26	25	24	18	9.0	0	14	28	25		1,114.0
HOOTH	0	8.0	16	16	15	14	16	18	17	16	16	18	20	18	15	13	12	9.2	14	20	18	16	15	14	12	11	9.2	9.4	9.7	8.2		417.7
ANEL	24	24	25	26	26	26	28	30	31	32	29	29	29	29	28	28	28	21	21	21	20	19	18	17	14	12	9.8	8.2	7.5	7.5		656.0
CORNELISON	0	0.2	0.1	0	0	0	0	0.8	0.7	0.6	0.6	0.6	0.6	0.7	0.8	0.7	0.6	2.0	2.1	2.2	2.4	2.6	2.5	2.4	2.2	2.0	1.7	1.6	1.5	1.8		34.0
EVANSTON WATER SUPPLY	8.3	9.4	9.4	9.4	9.7	10	11	11	11	11	12	11	11	11	11	9.6	8.3	11	10	8.9	8.9	8.9	8.6	8.3	7.8	7.4	7.0	5.0	5.1	4.6		273.6
KNIGHT # 2	3.5	3.3	3.4	3.6	3.8	3.9	9.4	18	18	15	18	18	18	16	15	15	15	12	11	11	7.8	4.6	4.9	4.0	4.9	4.6	4.4	4.1	3.9	3.6		277.5
STATE HOSPITAL	5.2	4.1	4.9	5.7	5.2	4.7	4.8	5.0	5.5	6.0	5.7	6.6	7.6	6.0	4.5	5.9	7.1	6.6	6.3	5.9	5.1	4.3	3.8	3.3	3.0	2.6	2.1	1.5	0.9	0.4		140.9
EVANSTON WATER	46	40	38	36	38	40	44	48	50	52	51	90	50	50	49	48	46	43	44	46	44	42	40	38	44	40	36	29	22	17		1,261.0
BARTON	0	0	0	0	0.5	1.0	3.0	5.1	7.0	9.0	8.9	9.0	9.1	9.2	9.2	9.2	8.5	7.8	7.1	6.9	3.9	0.9	1.6	1.5	1.3	1.1	0.9	1.1	1.4	1.1		125.5
FAULKNER	19	18	17	16	15	15	15	16	17	17	16	15	13	12	12	11	12	12	12	11	12	12	12	11	11	9.2	7.8	6.8	5.8	5.3		184.9
ROCKY MOUNTAIN-HEITH	12	11	10	9.1	8.7	8.3	10	12	9.4	6.8	10	14	18	15	14	14	13	12	11	10	10	10	14	14	15	13	12	9.7	7.4	6.8		162.2
PAINTER	3.5	3.2	2.8	2.5	2.1	1.7	2.0	2.2	1.9	1.6	1.4	1.3	1.2	2.3	2.0	1.8	1.2	0.7	1.0	1.4	1.2	1.1	1.4	0.9	0.9	1.0	1.0	0.8	0.7	0.3		47.1
CROMPTON # 1	9.7	8.4	7.2	6.0	5.4	6.9	6.9	6.9	6.8	6.6	6.4	6.4	5.5	11	11	12	12	11	10	8.7	7.4	6.2	8.6	13	10	5.9	1.6	2.0	2.5	2.2		210.0
FIFE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
JOHNSON-NARRAMORE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
BENNETT	1.5	1.2	0.9	0.6	0.6	0.5	1.2	2.0	2.6	2.7	2.5	2.4	2.4	1.9	1.8	1.6	1.3	1.0	0.9	0.8	0.7	0.7	0.6	0.2	0.2	0.1	0	0.1	0.3	0.2		33.1
HORCE BARTON	5.7	5.0	4.4	3.6	3.2	2.7	2.2	1.8	1.8	1.8	1.8	1.8	1.7	1.5	1.5	1.5	2.5	3.5	3.9	4.3	6.6	8.9	6.9	6.6	3.3	1.7	2.1	2.8	5.4	4.6		101.3
A. #. 2 INS	1.9	2.0	2.1	2.2	2.0	1.9	3.6	5.2	5.3	5.4	5.9	5.8	5.7	4.7	4.6	4.1	4.0	1.6	3.4	3.1	2.1	1.0	0	0	0	0	0	0.5	1.0	0.8		81.8
JOHN ANDERSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
CROMPTON # 2	0.3	0.3	0.2	0.2	3.0	5.8	7.6	9.5	10	11	10	10	10	8.6	8.4	8.3	7.2	6.1	3.7	0.4	0.4	0.3	0.2	2.7	1.8	0.9	0	1.5	3.0	2.1		133.0
PEARCE	5.8	5.2	4.6	4.1	3.9	3.7	5.4	7.1	8.6	8.0	8.0	7.7	7.4	6.7	6.0	5.3	3.5	2.4	2.2	2.1	1.4	0.8	0.4	0.3	0.2	0.1	0	0	0	0		110.7
SARTON-TURNER	2.9	3.1	2.4	1.7	1.7	1.7	1.7	2.9	1.8	1.7	1.6	1.5	1.5	1.6	1.8	2.0	1.9	1.1	1.2	1.7	1.0	0.7	0.4	0	0	0	0	0	0	0		38.5
SARTON-IRRIGATION	25	24	22	20	18	16	16	17	19	21	23	22	21	21	19	19	18	15	13	12	11	10	8.6	7.7	6.4	5.6	4.9	4.8	4.6	4.4		450.5
JOHN SIMS	9.2	7.9	6.5	5.1	4.0	2.8	8.0	13	16	17	7.9	7.0	6.2	7.4	6.9	6.4	6.4	6.8	7.6	8.5	8.2	7.9	8.9	8.7	9.0	7.8	11	6.4	4.7	2.3		229.2
SOUTHERN PACIFIC	12	11	9.6	8.4	7.0	5.7	11	16	18	16	14	13	11	11	10	10	8.2	8.2	8.6	9.9	7.6	6.6	5.9	11	10	9.0	8.0	6.6	3.4	5.2		291.8
HERALD	0	0	0	0	0	0	0	0	1.4	2.8	3.1	2.9	2.7	2.4	2.1	2.3	1.7	1.3	1.2	1.2	0.8	0.4	0.3	0.3	0.2	0.1	0	0	0	0		27.0
SARTON-IRRIAG	5.6	4.6	3.6	2.6	2.0	1.3	4.6	12	13	13	14	13	12	11	11	10	5.2	5.3	4.9	4.5	3.7	2.9	2.1	1.3	0.8	0.4	0	0	0	0		165.4
RANSET	22	19	16	14	12	9.9	17	24	28	26	23	22	22	16	17	18	14	11	9.4	7.8	6.2	4.6	11	17	13	10	6.3	12	7.8	7.5		443.5
ALBY	3.8	3.0	2.1	1.2	0.8	0.5	3.8	7.2	6.7	5.7	4.7	4.6	4.4	3.2	2.7	2.6	1.9	1.2	1.7	2.1	1.4	0.7	0.4	0	0	1.7	1.4	1.7	0	0		73.6
SIMS-LIGHT-TURNER	3.3	3.1	2.9	2.8	4.3	5.8	7.3	8.0	7.5	7.0	6.5	6.5	6.5	6.8	6.7	6.2	5.6	5.0	6.8	8.7	9.0	7.2	6.6	6.1	5.9	5.3	5.5	5.4	4.6	3.8		177.0
HORNS	4.0	3.8	3.5	3.2	3.9	4.6	5.8	7.1	7.5	6.2	0.8	3.0	5.3	5.3	4.9	4.5	4.2	3.9	4.0	4.1	3.9	3.7	5.0	5.0	4.5	3.9	3.2	3.8	4.4	2.5		127.3
RUSSELL	0.3	0.3	0.2	0.2	0.2	0.2	0.8	1.5	1.7	1.7	1.7	1.6	1.4	1.2	1.1	0.9	0.7	0.4	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0	0		18.3
JURGEN	5.7	6.8	8.0	9.1	6.4	3.6	6.6	9.6	10	11	12	11	10	7.4	6.7	6.1	3.4	2.8	4.3	5.4	4.5	3.6	6.9	5.4	4.8	4.2	3.7	4.0	4.4	2.8		166.0
BARTLETT	1.9	1.8	1.7	1.6	1.4	1.3	1.4	1.8	2.1	2.4	2.7	2.7	2.7	2.7	2.7	2.6	2.3	2.0	3.7	1.4	1.4	1.4	1.4	1.4	1.1	0.8	0.5	0.2	0	0		49.1
MORRIS BROS.	21	21	19	16	15	14	14	18	21	23	24	25	25	25	25	24	22	20	19	17	14	14	16	17	18	14	13	11	9.4	8.8		538.5
CLAYBAN	112	108	98	98	91	89	98	126	143	137	131	127	125	122	118	117	112	102	99	95	92	92	95	87	78	70	62	50	36	28		2,947.0
LOWER MORRIS	9.5	9.0	8.6	8.1	7.0	5.9	6.1	8.4	11	14	17	16	14	15	15	10	8.7	6.5	5.4	4.1	4.4	3.7	3.7	3.4	2.9	3.3	3.1	2.8	2.0	1.5		228.7
HORCE NEWS	14	13	11	8.8	6.6	4.3	4.9	8.5	15	21	27	25	23	24	25	17	13	10	22	34	13	30	26	22	20	18	14	7.0	14	13		528.1
TUNNEL	24	23	20	17	15	12	11	14	31	25	20	20	19	19	18	18	24	21	17	13	20	17	13	8.4	11	14	17	13	6.7	4.1		529.2
POWERS	5.1	3.8	2.4	1.0	0.5	0	0	6.5	6.2	5.8	5.5	5.0	4.6	4.0	3.5	2.9	2.1	0.8	0.4	0	0	0	0	0	0	0	0	0	0	0		60.3
CROMPTON # 3	0	0	0	0	0	0	0	0	1.5	3.0	4.6	4.3	4.0	2.8	1.8	0.6	0.3	0.3	1.1	2.0	1.9	1.7	2.0	2.8	3.3	3.9	4.4	4.3	3.6	2.6		55.6
UPPER ISLAND	8.5	7.4	6.4	4.6	3.7	2.8	2.4	3.8	7.4	11	9.9	9.9	9.9	9.8	9.5	8.0	6.2	4.1	3.1	2.1	2.1	1.3	1.5	1.8	1.9	2.4	2.8	2.6	2.6	2.8		143.0
HIGHT IRRIGATION	13	11	8.6	6.5	5.2	3.8	7.7	14	23	24	22	20	20	22	24	22	20	16	14	12	12	7.5	11	14	14	12	9.7	7.3	4.9	4.9		385.8
ACOCK & COMLISHAW	5.5	4.7	2.9	1.6	1.0	0.5	0.3	3.9	3.9	14	14	17	16	15	14	12	11	6.9	4.6	2.3	5.5	4.0	2.6	0.7	0.4	0.2	0	3.4	7.7	6.4		186.2
LOWER ISLAND	15	13	9.3	5.6	4.1	2.6	1.9	6.8	10	16	21	20	18	17	16	15	14	9.6	6.0	4.2	7.8	6.2	4.3	2.4	1.7	1.0	0.3	0.1	33	10		272.8
FRANCIS-LEE	35	37	34	30	29	27	26	29	40	51	51	50	47	47	44	44	42	37	31	27	28	26	22	16	11	10	9.2	8.3	7.4	7.4		908.3
BEAR RIVER	60	66	57	51	47	42	39	48	71	84	80	78	74	74	75	68	64	56	47	41	40	49	51	40	41	27	24	24	21	18		1,551.0
TOTAL	614.5	590.9	538.8	495.6	465.1	434.4	518.8	700.0	794.8	845.7	836.0	816.0	795.5	769.1	739.6	694.3	645.1	566.3	543.0	525.3	509.2	472.8	491.1	446.8	399.8	350.4	302.4	276.3	258.5	228.0		16,666.5
*TOTAL UPPER WYOMING COMPACT	779.7	768.3	697.9	661.4	618.7	593.9	717.1	930.7	1036.9	1086.7	1093.3	1058.9	1070.9	1062.6	1008.1	937.1	877.6	789.8	763.8	753.9	731.7	722.6	734.0	676.8	616.6	560.5	522.4	498.1	467.6	411.0		23,216.6

* Includes all canals listed diverting above Woodruff Narrows except Novarro East Fork Canal

PLATE NO. 57

DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS FROM MYERS NARROWS TO STATE LINE NEAR WOODRUFF

JULY 1955	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
MYERS # 1	12	6.4	5.1	3.9	4.7	5.4	4.2	2.8	1.9	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.5	9.0	6.2	3.5	3.2	2.2	76.0
MYERS # 1a	1.4	0.9	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	1.1	0.2	0	0	0	4.9
MYERS IRRIGATION	22	18	15	12	13	12	11	11	9.0	7.3	5.7	3.9	3.2	0.5	0.4	0.4	0.3	0	0	0	0	0	0	0	0	0	0.6	0.5	0.5	0.4	0.4	150.4
HOOH	6.8	8.1	6.1	4.1	5.1	6.1	5.4	4.6	3.8	2.8	1.8	1.1	0.4	0.2	0	0	0	0	0	0	1.6	3.3	3.2	3.5	3.8	4.2	4.0	3.7	3.5	3.5	3.4	94.1
ANEL	2.5	1.7	0.8	0	0	0.2	0.2	0	0	0	0	1.2	2.4	2.0	1.2	1.8	1.2	0.5	0.2	0	0.2	0.5	0.6	0.7	0.8	0.7	0.7	2.1	3.6	3.4	3.4	33.6
CONSOLIDATED	2.0	1.8	1.8	1.8	1.7	1.7	1.6	1.5	1.4	1.0	0.5	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17.0
EVANSTON WATER SUPPLY	6.1	5.4	4.9	4.4	4.6	4.8	4.9	6.1	5.4	4.8	4.1	5.6	7.0	6.6	4.7	3.7	4.1	3.9	2.6	1.4	0.4	4.4	4.7	5.0	5.4	3.0	0.7	0.7	6.5	5.7	6.6	139.4
ANCHT # 2	3.4	3.2	2.8	2.4	1.8	1.1	0.4	0.4	0.5	0.6	0.4	0.5	0.4	0.3	0.2	0	0	0	0	0	0.1	0	0	0.1	0.1	0.3	0.5	0.5	0.5	0.4	0.2	21.3
STATE HOSPITAL	0.7	0.6	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.3
EVANSTON WATER	12	12	10	7.9	7.3	6.7	6.1	5.0	2.5	2.2	1.6	1.0	0.4	0.2	0	0	0	0	0	0	0.3	0.5	0.4	0.7	1.0	6.1	7.2	6.9	6.6	2.6	1.4	109.3
BARTON	0.8	0.6	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9
FAULKNER	4.6	3.8	3.5	3.1	2.7	2.4	2.0	2.0	1.6	1.2	0.8	0.6	0.5	0.2	0	0	0	0	0	0	0	0	0	0	0.5	1.0	0.6	0.2	0.1	0	0	31.4
ROCKY MOUNTAIN-BLYTH	6.2	5.4	4.7	3.9	3.1	2.8	2.2	2.1	2.0	1.9	1.6	1.1	0.8	1.0	0.8	0.6	0.4	0.4	0.3	0.2	0.2	1.6	3.0	4.4	5.8	4.4	3.3	1.7	1.1	0.8	70.5
PAINTER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COMPTON # 1	2.9	3.6	3.2	2.9	2.5	2.2	1.9	1.8	1.4	1.0	0.7	0.6	0.5	0.2	0.1	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	27.7
ZIEK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JOHNSON-NARRAMORE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BENNETT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.2	0.3	0.5	0.2	0	0	1.4
NICE HANSON	3.5	2.4	1.9	1.5	1.1	1.4	1.7	1.0	1.8	1.6	1.5	1.4	1.2	0.8	0.6	0.4	0.5	0.5	0.5	0.6	0.7	1.0	1.3	1.6	1.8	2.1	2.2	2.3	1.8	1.7	0.9	42.9
A. H. SIMS	1.0	1.2	1.2	1.3	1.3	1.4	1.6	1.4	1.7	1.7	1.8	1.8	1.8	1.8	1.3	1.2	1.0	0.9	0.9	0.6	0.6	0.5	1.0	1.6	2.1	2.7	2.8	2.9	2.6	2.4	2.1	47.9
JOHN ANDERSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CROMPTON # 2	2.2	2.4	2.3	2.1	1.9	1.5	1.1	2.2	1.7	1.6	1.4	0.9	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.3	0.3	0.4	1.6	0.8	0.9	28.8
PRAINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAXTON-TURNER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAXTON-IRRIGATION	4.2	4.0	3.8	3.6	3.4	3.4	3.3	3.3	2.4	2.3	2.2	2.0	1.8	1.6	1.5	1.4	1.2	1.0	0.9	0.8	0.8	0.8	0.8	1.0	1.1	1.1	1.2	1.6	1.3	1.0	0.5	59.9
JOHN SIMS	6.8	7.2	6.3	5.4	4.5	3.5	2.5	3.2	2.6	2.1	1.7	0.9	0.1	0	0.4	0.3	0.2	0.1	0.5	0.8	0.4	0	0	0	0.1	0.1	0.2	0.1	0.1	0.1	0.1	68.3
SOUTHERN PACIFIC	7.0	8.9	8.7	8.5	8.2	4.9	1.5	0.9	0.7	0.8	0.9	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	0.1	0.1	0.1	0.1	52.2
REWARD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAXTON-THOMAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RAMSEY	7.3	7.1	6.4	3.8	2.2	2.2	2.2	1.6	0.8	0.8	0.9	1.0	1.1	0.4	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0.4	0.8	4.4	2.8	1.5	0.9	0.9	49.2
ALAY	0	0	0	0	0	1.4	2.8	1.1	0.9	1.0	1.0	1.1	1.2	1.0	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.5	2.2	1.4	0.6	0.5	0.5	21.9
SIMS-BLYTH-TURNER	2.9	2.0	1.6	1.1	0.7	0.3	1.8	1.4	1.1	0.8	0.5	0.5	0.6	0.4	0.2	0.2	0	0	0.2	0	0	0	0	0	0	0.3	1.1	0.8	0.4	0.2	0.2	19.3
BOWNS	2.5	2.5	2.6	2.6	2.7	0.4	1.5	1.8	2.0	1.4	0.9	1.2	1.4	1.4	1.4	1.0	0.7	0.4	0.3	0.2	0.1	0	0	0	0.2	0.6	1.3	0.7	0.2	0.2	0.3	32.3
RUSSELL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TURNER	3.4	4.0	3.5	2.9	2.3	1.7	1.1	1.0	1.0	0.9	0.7	0.7	0.8	0.8	0.7	0.7	0.6	0.6	0.4	0.4	0.6	0.6	0.7	0.8	0.9	1.1	2.3	2.4	1.9	1.7	0.7	42.4
BARTLETT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORRIS BROS.	3.9	2.5	2.1	1.6	1.7	0.3	0	0.3	0.6	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12.8
CHAPMAN	22	15	12	9.9	8.1	5.6	4.6	4.2	3.8	3.4	2.9	2.7	2.5	2.3	1.9	1.5	1.2	1.1	1.1	1.0	1.0	0.7	1.0	1.4	1.6	3.8	4.4	2.9	2.1	1.5	132.8
LOWER MORRIS	1.0	0.5	0.6	0.7	0.8	0.6	0.5	0.5	0.5	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.2	10.6
NICE BOWNS	11	9.7	8.0	6.4	4.8	3.2	3.1	3.4	3.7	3.3	2.9	2.8	2.7	2.5	2.2	2.1	2.0	1.9	1.7	1.5	1.4	1.7	1.6	1.4	1.3	1.3	1.2	1.3	1.4	1.1	1.0	94.0
TUNNEL	5.6	5.0	4.5	4.0	3.5	2.2	0.4	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25.4
FORBES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CROMPTON # 3	1.7	0.8	0.6	0.4	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.7
UPPER ISLAND	3.2	3.2	3.8	4.5	4.5	4.4	4.6	4.8	5.0	4.4	3.7	3.2	2.7	2.7	2.6	2.4	2.3	2.2	1.9	1.4	1.1	1.3	1.2	1.4	1.7	1.3	0.9	0.4	0	0	0	77.3
HIGH IRRIGATION	4.9	4.1	3.2	2.2	1.5	0.8	0.4	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17.2
ACCOCK & CORLISHAW	3.7	2.4	1.8	1.2	0.6	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.9
LOWER ISLAND	6.9	4.7	3.6	2.6	1.5	1.1	0.6	0.4	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21.6
FRANCIS-LEE	6.2	5.4	4.9	4.4	3.8	4.1	3.8	3.5	3.2	2.9	2.7	2.5	2.3	2.0	1.8	1.7	1.5	1.1	0.4	0.4	0.4	0.5	0.4	3.0	4.3	2.4	1.9	1.7	1.4	0.8	0.6	75.7
NEAR RIVER	15	9.4	7.2	5.6	4.3	3.4	3.0	2.4	2.3	2.0	1.6	1.2	0.9	0.7	0.6	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	5.4	2.4	1.0	0.3	0.1	0.2	0.1	70.7
TOTAL	207.5	175.7	148.6	122.8	110.7	95.9	83.9	76.9	66.3	58.3	46.2	41.6	37.6	30.7	26.0	23.4	19.7	16.4	13.1	10.5	11.2	17.1	19.2	31.2	35.4	42.0	56.6	48.4	44.8	33.8	29.1	1,778.0
*TOTAL UPPER WYOMING COMPACT	384.2	343.7	327.6	297.0	265.5	240.6	228.6	207.4	192.9	185.3	177.5	180.2	159.5	142.3	129.0	128.4	123.3	116.0	110.0	104.0	106.1	119.0	131.7	154.5	160.1	186.5	197.7	171.1	153.1	130.5	122.9	5,667.0

* Includes all canals listed diverting above Woodruff Narrows except Hovarka East Fork Canal

PLATE NO. 58

DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS FROM MYERS NARROWS TO STATE LINE NEAR WOODRUFF

AUG 1955	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
MYERS # 1	1.1	0.8	0.4	0.2	0	2.0	2.0	2.0	2.0	1.5	0.9	0.4	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13.7
MYERS # 1a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MYERS IRRIGATION	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.7
BOOTH	3.3	2.9	2.5	2.4	2.2	2.9	3.6	4.3	4.9	4.6	4.3	4.0	3.8	3.5	3.3	3.1	2.8	2.4	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.4	2.2	1.9	1.7	1.1	88.9
ANEL	3.4	3.3	3.1	2.4	1.6	1.8	2.1	2.3	2.6	2.4	2.2	2.0	1.6	1.2	0.9	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.4	40.8
CORNELISON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EVANSTON WATER SUPPLY	7.4	6.9	6.4	6.0	5.7	6.1	6.5	7.0	7.4	7.0	6.7	6.3	6.3	6.2	6.1	6.1	6.5	6.8	7.2	6.8	6.4	6.1	5.7	5.6	5.4	5.2	5.5	5.8	6.0	6.3	6.7	196.1
KNIGHT # 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STATE HOSPITAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EVANSTON WATER	0.3	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4
BARTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FAULKNER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROCKY MOUNTAIN-BLYTH	0.4	0.3	0.3	0.2	0.4	1.4	2.0	2.7	1.9	1.0	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.4	26.1
PAINTER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COMPTON # 1	0.1	0.1	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8
FIFE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JOHNSON-NARRAMORE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BENNETT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRUCE BARTON	0.1	0.2	0.2	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	5.9
A. W. SIMS	1.9	1.6	1.3	1.0	0.9	0.8	0.7	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11.4
JOHN ANDERSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CROMPTON # 2	1.0	0.7	0.3	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	5.4
FEARNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAXTON-JONES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAXTON-IRRIGATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JOHN SIMS	0.1	0.1	0.2	0.3	0.4	1.2	1.2	1.2	0.8	0.4	0.4	0.3	0.3	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	10.9
SOUTHERN PACIFIC	0.1	0.1	0	0	0	0.2	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	5.9
HEGARD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAXTON-THOMAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RANSEY	0.9	0.4	0.2	0	0	2.0	2.6	2.3	1.6	0.9	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12.1
ALMY	0.4	0.4	0.2	0.2	0.2	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5
SIMS-BLIGHT-TURNER	0.2	0.3	0.3	0.4	0.7	1.0	1.0	1.0	0.8	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0	8.4
HOWNS	0.2	0.1	0	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.6
RUSSELL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TURNER	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	4.7
BARTLEIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORRIS BROS.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHAPMAN	1.9	1.5	1.1	1.1	1.3	24	26	10	9.0	7.2	5.0	3.8	3.6	3.4	3.0	3.2	3.2	3.2	3.3	3.3	3.4	3.4	2.9	2.4	2.4	2.7	2.4	2.2	2.1	1.3	1.0	144.3
LOWER MORRIS	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.6	0.4	0.2	0.2	0.1	0.1	0	0	0	0	0	0	0	0	0	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	13.7
BRUCE HOWNS	0.9	0.6	0.5	0.4	0.9	1.4	2.0	2.5	1.3	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	11.4
TUNNEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FORBES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CROMPTON # 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	0	0
UPPER ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BLIGHT IRRIGATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ACOCK & COWLISHAW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOWER ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRANCIS-LEE	1.7	0.6	0.1	0.2	0.3	0.3	0.7	1.1	1.1	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.3	0	0	0	0	0	0	0	0	9.5
BEAR RIVER	2.6	6.0	0.8	0.6	0.5	0.5	0.7	0.7	1.4	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15.6
TOTAL	28.7	27.8	18.8	16.7	17.2	48.1	53.2	49.9	37.2	28.8	24.0	20.2	18.6	16.6	15.2	14.9	15.1	15.0	14.9	14.8	14.9	15.2	14.2	13.4	13.9	13.7	13.4	13.4	13.1	12.4	11.4	633.8
*TOTAL UPPER WYOMING COMPACT	119.7	117.8	102.4	93.6	97.6	139.3	147.6	123.7	111.8	102.2	90.9	85.1	82.5	79.8	77.4	76.2	75.7	74.7	74.7	69.5	64.8	63.1	61.5	68.9	80.3	106.6	87.3	80.7	72.0	65.3	58.7	2,751.6

* Includes all canals listed diverting above Woodruff Narrows except Howarth East Fork Canal

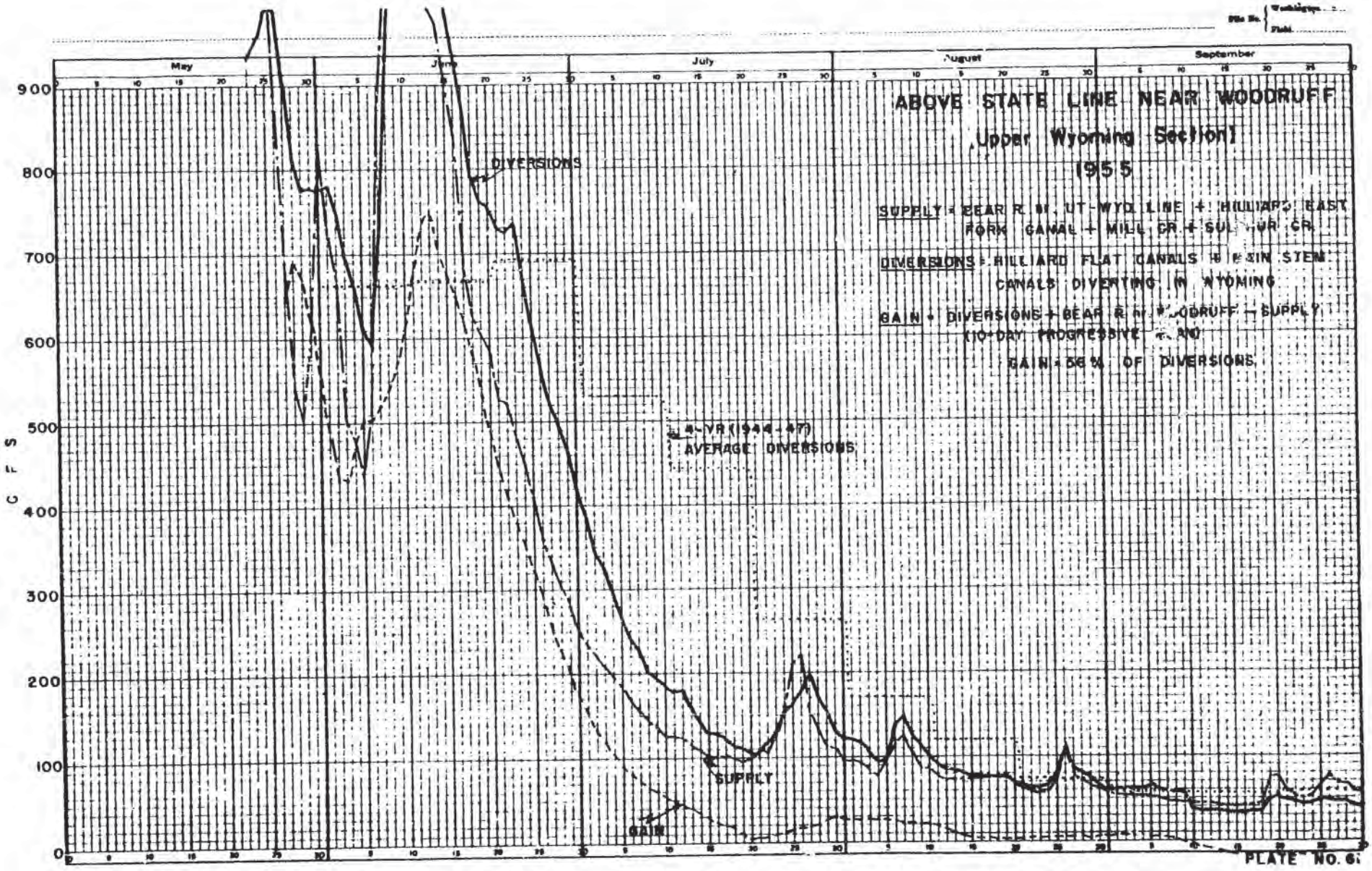
PLATE NO. 59

DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS FROM MYERS NARROWS TO STATE LINE NEAR WOODRUFF

SEPT 1955	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
MYERS # 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
MYERS # 1a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
MYERS IRRIGATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
TOOTH	0.6	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0	0.7	1.4	2.0	2.5	1.0	1.6	1.6	1.6	3.6	3.6	3.6	1.8	0	0		37.8
ANEL	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.1	0	0.3	0.4	1.0	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7		14.0
CONNELISON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
EVANSTON WATER SUPPLY	7.0	7.4	6.3	5.3	4.3	3.2	2.2	1.2	1.2	1.1	1.0	0.9	0.8	0.6	0.4	0.2	1.2	2.2	3.2	4.5	6.5	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2		125.5
KNIGHT # 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
STATE HOSPITAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
EVANSTON WATER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
BARTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
FAULKNER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
ROCKY MOUNTAIN-HYTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
PAINTER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
CROMPTON # 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
RICE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
JOHNSON-HARRAMOPE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
HEWETT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
PRICE HANTON	0.2	0.1	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0		2.4
A. W. SIMS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
JOHN ANDERSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0
CROMPTON # 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
FEARNS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
SAXTON-TURNER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
SAXTON-IRRIGATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
JOHN SIMS	0.2	0.1	0.1	0	0	0	0	0	0	0.1	0.1	0.2	0.2	0.4	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0	0	0	0		5.8
SOUTHERN PACIFIC	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		1.8
HERARD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
SAXTON-THOMAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
RAMSEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
ALMY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
SIMS-FLIGHT-TURNER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
BOWNS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
RUSSELL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
TURNER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
BARTLETT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
MORRIS BROS.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
CHAPMAN	0.8	0.7	0.5	0.6	0.7	0.5	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.6	3.2	3.8	3.3	2.9		21.5
LOWER MORRIS	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3		18.9
BRUCE BOWNS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
TUNNEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
FORBES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
CROMPTON # 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		0
UPPER ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
HEIGHT IRRIGATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
ACOCK & COULTHAW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
LOWER ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
FRANCIS-LEE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
BEAR RIVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
TOTAL	10.3	10.0	8.6	7.7	6.8	5.4	4.7	3.9	3.1	2.9	2.9	2.7	2.6	2.3	1.9	1.5	3.4	5.3	7.5	9.0	11.4	12.4	12.6	12.7	12.6	12.5	15.0	13.8	11.5	11.1		227.7
*TOTAL UPPER WYOMING COMPACT	59.6	61.4	60.7	61.2	66.7	59.6	59.3	56.9	50.4	35.2	30.5	34.8	36.1	33.7	37.3	31.4	32.8	36.9	49.7	51.5	48.2	46.2	43.9	44.3	46.7	48.4	47.1	45.8	43.5	40.9		1,196.8

PLATE NO. 60

* Includes all canals listed diverting above Woodruff Narrows except Howarth East Fork Canal


ABOVE STATE LINE NEAR WOODRUFF
(Upper Wyoming Section)
1955
SUPPLY = BEAR R. bl. UT-WYO. LINE + HILLIARD EAST FORK CANAL + MILL CR. + SUL. CR.
DIVERSIONS = HILLIARD FLAT CANALS IN BASIN STEM CANALS DIVERTING IN WYOMING
GAIN = DIVERSIONS + BEAR R. bl. WOODRUFF – SUPPLY (10-DAY PROGRESSIVE – NO)
GAIN = 56 % OF DIVERSIONS.
DIVERSIONS
4-YR (1944-47) AVERAGE DIVERSIONS
SUPPLY
GAIN
C F S
900
800
700
600
500
400
300
200
100
0
May
June
July
August
September
PLATE NO. 6

DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS FROM STATE LINE NEAR WOODRUFF TO PIXLEY DAM

MAY 1955	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
UTAH CANALS																																
NEVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.9	3.7	3.1	2.5	3.0	5.8	7.3	7.3	7.6	7.9	7.6	7.0	6.0	4.6	4.1	79.4
SOUTH	4.0	6.0	8.0	6.5	6.7	8.2	14	22	26	26	25	27	30	28	30	26	18	13	9.3	7.4	9.6	16	26	29	34	38	33	26	18	13	13	596.7
REES LAND & LIVESTOCK	25	30	28	25	27	32	50	65	71	69	68	71	74	72	77	67	53	43	31	27	36	57	77	81	88	94	87	70	49	34	34	1,707
CRAWFORD-THOMPSON	50	65	70	60	57	67	118	186	222	219	213	221	238	218	196	157	120	97	56	41	48	82	151	170	201	230	208	136	85	55	51	4,080
RANDOLPH-WOODRUFF	70	80	80	80	79	86	113	143	160	171	204	226	252	256	264	253	216	183	102	149	166	214	252	270	275	276	274	252	226	197	189	5,843
DYKENS	.4	.4	.4	.4	1.4	3.6	6.8	14	20	21	18	18	22	25	26	25	17	11	6.4	4.5	4.2	5.9	12	16	20	25	25	17	10	6.4	5.7	388.5
RANDOLPH-SAGE CREEK	15	24	16	25	26	29	42	68	110	136	136	136	139	148	158	158	147	122	99	75	69	71	95	137	167	197	211	196	178	158	148	3,420
McMINN	.1	.1	3.1	12	12	11	11	11	13	21	26	27	28	33	36	39	35	28	24	21	18	17	15	18	23	30	41	40	34	28	26	679.3
ENSIGN	8.0	8.0	9.0	7.7	6.2	4.9	4.3	4.2	4.8	7.4	9.6	9.8	12	16	22	26	24	13	9.3	7.8	6.4	5.2	3.8	4.5	6.1	12	26	28	23	17	13	341.0
B. Q. WEST SIDE	52	52	56	43	37	37	36	33	40	67	82	84	100	121	141	162	158	118	100	86	69	63	56	64	98	135	190	199	186	166	143	2,976
TOTAL DIVERTED IN UTAH	224.5	255.5	270.5	259.6	250.3	278.7	395.1	544.2	666.8	737.4	781.6	819.8	895	913	944	913	789.9	631.7	520.1	421.7	429.2	536.9	706.1	796.8	919.7	1044.9	1102.6	971.0	815.0	679.0	626.8	20,130.9
WYOMING CANALS																																
B. Q. DAM PUMP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B. Q. WEST SLOUGH	22	19	14	6.4	2.8	2.	3.8	3.8	1.9	.4	1.1	6.7	9.0	9.3	13	20	30	42	45	40	30	26	25	22	22	40	52	89	119	106	99	922.9
McFARLAND	2.5	2.0	.9	0	0	[illegible]	[illegible]	0	0	0	0	.6	.9	.9	2.0	3.3	4.7	5.6	5.5	4.7	3.4	2.8	2.7	2.5	3.5	5.0	6.1	9.3	11	10	10	99.9
B. Q. EAST SIDE	52	48	43	34	28	27	[illegible]	30	25	22	24	38	39	39	45	52	58	64	62	58	50	48	43	39	45	53	60	72	76	73	72	1,489
PIXLEY	50	50	51	51	50	48	44	38	31	34	33	34	[illegible]	37	34	33	36	40	44	48	50	52	50	48	47	43	43	49	53	57	61	1,379
TOTAL DIVERTED IN WYOMING	126.5	119	108.9	91.4	80.8	77.7	77.8	71.8	59.9	56.4	58.1	79.3	86.9	86.2	94.0	108.3	128.7	151.6	156.5	150.7	133.4	128.8	120.7	111.5	117.5	141	161.1	219.3	259	246	242	3,850.8
JUNE 1955																																
UTAH CANALS																																
NEVILLE	5.8	6.1	5.0	4.0	3.6	2.7	2.4	4.0	7.1	8.3	8.2	7.6	7.4	7.4	7.3	6.8	6.4	6.2	6.8	4.0	2.9	2.0	1.1	.8	1.3	3.5	[illegible]	[illegible]	1.3	.9		135.6
SOUTH	20	25	22	17	16	13	11	17	24	32	33	32	30	30	31	28	26	22	16	12	17	9.5	7.2	6.1	4.9	4.0	[illegible]	[illegible]	1.6	.9		503.7
REES LAND & LIVESTOCK	56	69	58	47	41	33	27	34	72	92	92	88	85	82	84	77	70	55	40	29	27	22	16	12	9.2	7.0	[illegible]	[illegible]	1.2	.3		1,335.2
CRAWFORD-THOMPSON	89	134	108	77	65	50	39	41	102	184	197	189	173	175	189	179	149	108	71	46	38	30	18	13	8.8	6.7	[illegible]	[illegible]	4.3	3.9		2,698.6
RANDOLPH-WOODRUFF	222	250	249	233	220	198	175	172	225	264	276	273	265	266	255	249	244	232	214	184	167	148	119	102	82	65	[illegible]	[illegible]	44	33		5,530
DYKENS	.6	13	12	8.6	6.2	5.0	4.3	4.4	8.0	18	23	23	21	19	20	20	17	14	10	8.0	7.0	6.4	5.7	4.3	4.3	3.4	[illegible]	2.9	3.0	2.9		305.2
RANDOLPH-SAGE CREEK	157	196	199	186	158	136	118	105	101	130	168	181	181	182	191	193	193	180	155	139	125	117	106	92	82	74	64	60	55	53		4,082
McMINN	25	38	26	14	17	17	14	11	15	18	24	31	34	36	38	42	44	42	38	33	28	24	21	19	18	17	17	16	15	15		737
ENSIGN	12	14	18	20	15	12	11	13	9.7	6.0	7.0	13	19	23	27	30	31	30	30	29	25	17	12	7.7	6.1	11	12	8.1	2.2	1.1		469.1
B. Q. WEST SIDE	135	141	162	170	147	130	122	95	73	69	93	144	177	197	213	223	231	230	160	110	105	95	85	79	69	71	73	79	69	62		3,769
TOTAL DIVERTED IN UTAH	729.4	876.1	859.0	776.6	688.8	596.7	523.7	489.4	637.6	821.3	921.2	981.6	992.4	1017.4	1055.3	1067.8	1011.4	919.2	760.8	593.0	536.9	470.9	391.0	336.9	285.4	262.4	288.2	227.2	178.6	153.0		19,365.4
WYOMING CANALS																																
B. Q. DAM PUMP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
B. Q. WEST SLOUGH	119	170	209	193	187	159	129	116	78	56	60	68	68	60	67	83	89	101	137	151	119	92	72	56	46	37	29	30	33	28		2,681
McFARLAND	11	13	15	15	15	14	14	14	12	11	10	10	10	11	11	11	11	11	12	12	13	12	11	9.4	7.8	6.4	5.0	5.0	4.5	3.7		320.6
B. Q. EAST SIDE	81	89	91	94	93	92	90	89	83	77	68	64	65	75	82	90	91	96	100	101	100	92	85	77	68	59	50	48	46	42		2,368
PIXLEY	71	77	80	84	81	67	60	30	26	25	42	51	50	49	49	50	51	52	52	60	61	55	63	59	56	52	49	47	45	37		1,590
TOTAL DIVERTED IN WYOMING	282	349	395	386	359	312	293	249	199	169	170	165	163	175	189	196	220	260	303	324	296	262	231	201.4	176.6	154.4	133	130	129.5	110.7		6,959.6

PLATE NO. 62

DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS
FROM STATE LINE NEAR WOODRUFF TO PIXLEY DAM

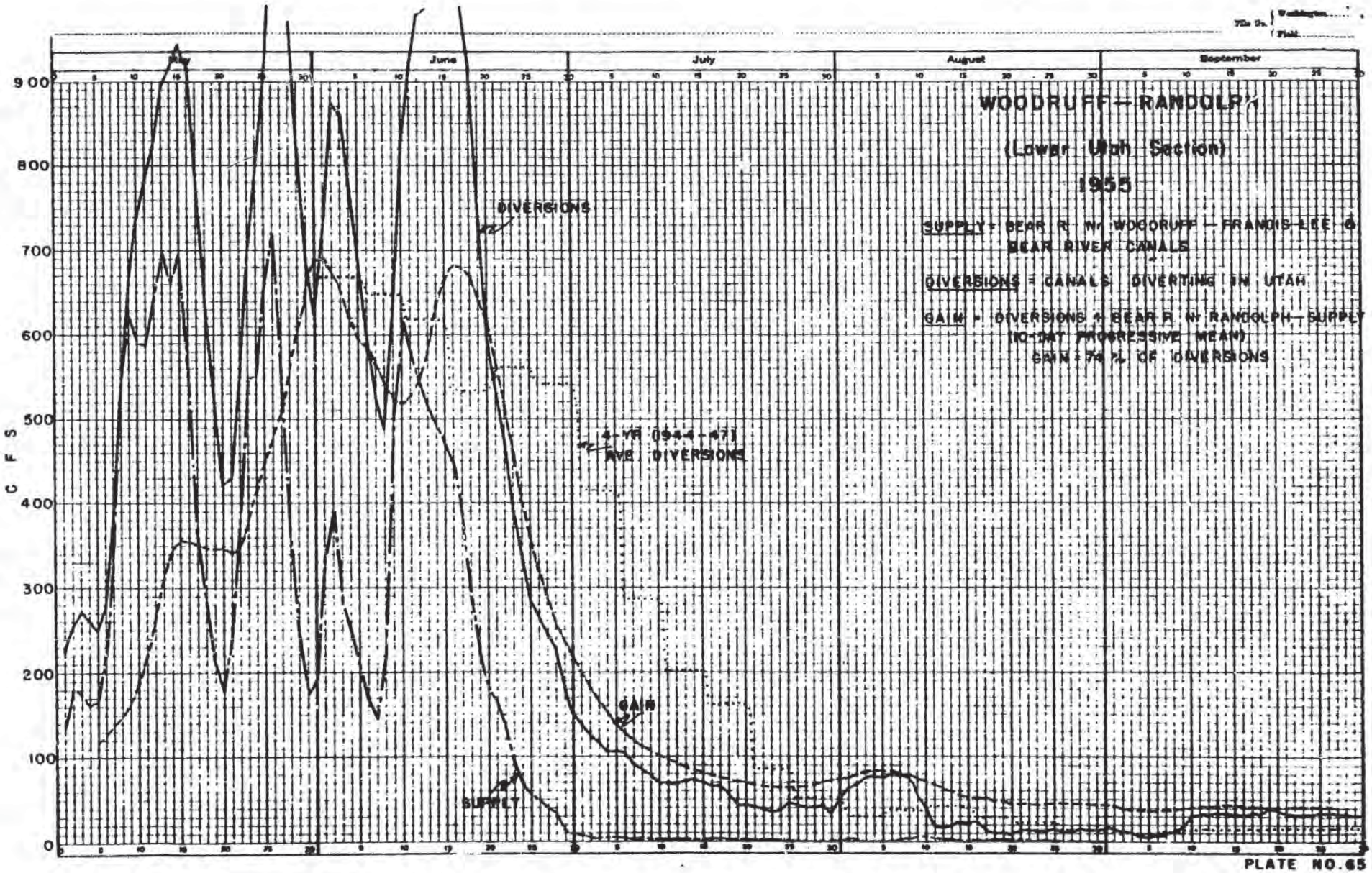
JULY 1955	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
UTAH CANALS																																
NEVILLE	.5	2.1	.3	.1	.1	.1	0	0	0	0	0	0	.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.1
SOUTH	.2	.2	.2	.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.8
REES LAND & LIVESTOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRAWFORD-THOMPSON	1.6	1.0	2.7	2.2	2.0	1.9	1.9	1.8	1.9	1.6	1.4	1.4	1.4	1.3	1.3	1.2	1.0	.9	.9	.8	.9	1.4	1.2	1.2	1.4	1.8	1.2	.9	.8	.7	.8	46.6
RANDOLPH-WOODRUFF	2.4	1.8	1.4	1.2	1.0	8.8	7.0	6.5	5.3	4.5	3.7	2.9	7.0	8.3	7.0	5.3	4.4	4.2	3.7	3.3	2.9	2.5	2.5	3.3	7.4	7.0	6.1	6.1	5.7	5.7	5.3	216.4
HYRUM	2.8	2.4	2.3	2.3	2.3	2.3	2.0	2.0	2.1	1.8	1.7	1.5	1.4	1.1	1.2	1.2	1.6	1.3	1.0	.9	1.0	1.1	.9	1.0	1.2	.9	.6	.5	.6	.3	.3	43.6
RANDOLPH-SAGE CREEK	52	50	48	44	42	40	38	37	35	34	33	33	33	32	31	30	30	30	29	29	28	28	26	27	31	29	28	27	27	12	3.9	996.9
McMINN	14	14	13	11	11	10	9.8	9.5	9.2	5.4	1.2	.7	.5	.5	.5	.4	.4	.3	.2	.1	0	0	.1	0	0	.1	0	0	0	.2	.1	112.1
EMERY	.4	.4	.3	.2	.1	0	0	0	0	0	0	0	0	0	0	0	0	0	2.0	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.9	3.3	2.3	2.4	6.7	46.7
B. W. WEST SIDE	40	37	36	34	39	40	31	27	25	23	28	29	29	29	29	29	28	17	3.8	1.6	3.2	2.8	2.4	2.0	1.3	1.0	.6	4.4	8.5	17	33	628.6
TOTAL DIVERTED IN UTAH	137.5	127.1	116.8	106.0	106.5	103.1	89.7	83.8	78.4	70.3	69.0	68.5	72.4	72.4	70.0	67.1	65.5	53.6	40.6	41.2	39.5	39.3	36.6	38.0	46.0	43.3	40.4	42.2	44.7	33.4	50.1	2,093.0
WYOMING CANALS																																
B. W. DAM PUMP	0	0	0	0	3.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	0	0	0	0	0	0	0	0	4.2	6.2	6.2	6.2	6.2	6.2	6.2	110.7
B. W. WEST SLOUGH	22	16	15	12	6.4	.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72.1
McFARLAND	2.7	1.6	1.3	.8	.4	2.7	3.1	3.1	2.8	2.4	2.1	1.7	1.4	1.9	2.1	2.5	2.6	2.1	2.0	2.4	3.1	3.1	3.2	3.0	3.8	4.3	3.0	1.8	.9	.3	0	68.0
B. W. EAST SIDE	38	33	32	29	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	148
PIXLEY	16	14	13	14	13	13	12	9.1	6.4	5.0	4.4	4.3	4.1	3.2	3.4	3.9	3.5	3.6	3.2	3.2	3.0	2.7	2.5	2.5	2.8	3.5	.9		0	0	0	170.0
TOTAL DIVERTED IN WYOMING	78.7	66.6	61.3	55.8	38.9	22.6	21.3	18.4	15.4	13.6	12.7	12.2	11.6	11.3	11.7	10.6	6.0	5.5	5.2	5.6	6.1	5.8	5.7	5.5	10.8	14.0	10.1	8.0	7.1	6.5	6.2	568.8
AUG. 1955																																
UTAH CANALS																																
NEVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REES LAND & LIVESTOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRAWFORD-THOMPSON	.8	.9	1.4	1.2	.9	1.9	1.9	1.2	.8	.5	.4	.1	.4	.4	.3	.3	.3	.3	.4	.4	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	18.4
RANDOLPH-WOODRUFF	5.3	4.9	7.0	5.7	5.7	7.4	11	7.0	3.0	2.0	1.0	.9	.9	.7	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	1.3	78.4
HYRUM	2.8	2.4	2.3	2.3	2.3	2.3	2.0	2.0	2.1	1.8	1.7	1.5	1.4	1.3	1.2	1.2	1.6	1.3	1.0	.9	1.0	1.1	.9	1.0	1.2	.9	.6	.5	.4	.3	.3	43.6
RANDOLPH-SAGE CREEK	3.4	3.0	2.6	7.9	11	11	10	7.7	7.5	7.2	7.0	6.8	9.2	14	14	15	5.8	1.5	1.1	.8	3.5	4.9	4.9	4.9	6.4	4.2	4.6	10	10	10	9.8	219.8
McMINN	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2	.2	.3	.4	.4	.4	.5	.5	.5	.5	.5	.5	.5	.5	.6	.5	9.2
EMERY	6.7	6.6	6.3	7.2	7.4	9.4	7.9	1.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	.9	.8	.8	.7	.6	.5	.5	.6	.6	.5	.5	.5	.5	68.2
B. W. WEST SIDE	44	50	54	52	48	47	50	56	43	27	7.0	6.2	6.2	5.4	4.2	3.8	4.0	4.4	4.8	6.9	6.6	4.4	4.0	3.7	3.7	3.4	3.9	3.4	2.6	2.0	1.9	559.3
TOTAL DIVERTED IN UTAH	63.2	68.0	73.8	76.5	75.6	79.0	77.9	75.6	57.7	39.8	38.4	37.0	37.4	33.6	32.0	32.6	34.1	9.9	9.5	9.0	11.6	12.8	12.1	11.8	13.5	10.8	11.3	14.2	15.4	14.6	14.7	997.2
WYOMING CANALS																																
B. W. DAM PUMP	4.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.2
B. W. WEST SLOUGH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
McFARLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B. W. EAST SIDE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PIXLEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIVERTED IN WYOMING	4.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.2

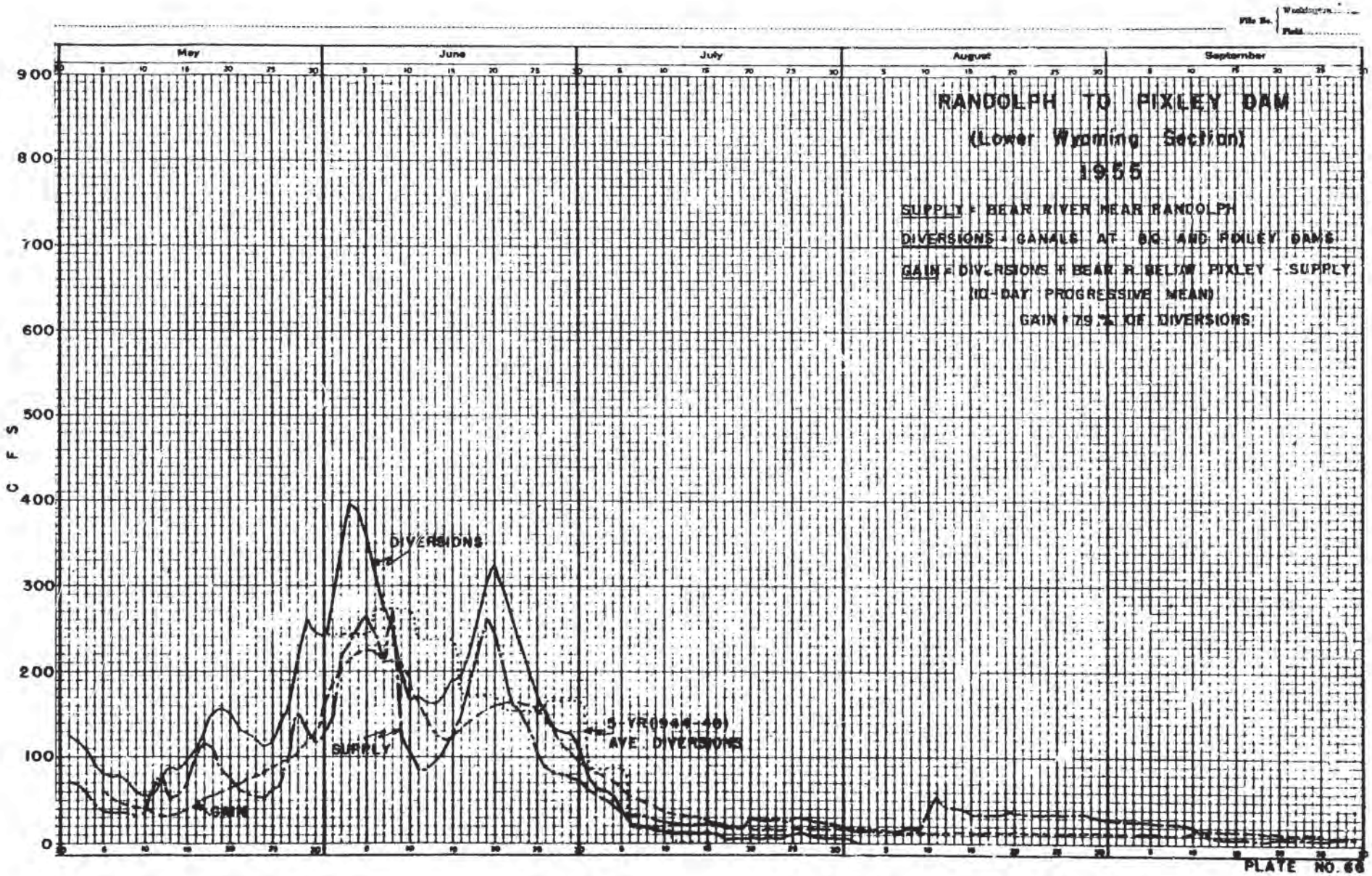
PLATE NO. 63

DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS FROM STATE LINE NEAR WOODRUFF TO PIXLEY DAM

SEPT. 1955	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
UTAH CANALS																																
NEVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
BOOTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
MEES LAND & LIVESTOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
CRAWFORD-THOMPSON	.3	.3	.3	.4	.5	.5	.5	.5	.5	.5	.5	.5	.5	.4	.4	.4	.4	.4	.5	.6	.4	.4	.4	.4	.3	.3	.3	.3	.2	.2		11.9
RANDOLPH-WOODRUFF	.9	.5	.9	.9	.9	.9	.5	.5	.5	.5	.5	.5	.5	.5	.1	0	0	0	0	0	0	0	0	0	0	.1	.1	.1	.1	.1		9.7
DYKES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
RANDOLPH-SAGE CREEK	11	11	6.7	4.2	4.9	6.1	6.7	11	11	11	13	14	15	15	15	15	15	15	17	15	14	14	14	15	16	15	14	14	14	14		376.6
McMINN	.6	.5	.6	.6	.6	.7	.7	.8	.7	.6	.7	.6	.6	.6	.5	.5	.5	.5	3.4	7.3	6.9	6.7	6.7	6.9	7.3	7.4	7.2	6.9	6.6	6.6		90.8
ENHERO	.5	.4	.4	.4	.4	.4	.4	.3	.3	.3	.2	.2	.3	.3	.2	.2	.2	.2	.3	.3	.2	.1	0	0	0	0	.3	.3	.4	.4		7.9
B. Q. WEST SIDE	1.6	1.3	.8	.4	0	0	0	0	4.7	18	17	17	17	17	16	16	17	17	19	15	12	12	12	12	12	11	11	11	10	10		307.8
TOTAL DIVERTED IN UTAH	14.9	14.0	9.7	6.9	7.3	8.6	8.8	13.1	17.7	30.9	31.9	32.8	33.9	33.8	32.2	32.1	33.1	33.1	40.2	38.0	33.5	33.2	33.1	34.3	35.7	33.8	32.9	32.6	31.3	31.3		804.7
WYOMING CANALS																																
B. Q. DAM PUMP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
B. Q. WEST SLOUGH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
McFARLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
B. Q. EAST SIDE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
PIXLEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
TOTAL DIVERTED IN WYOMING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0

PLATE NO. 64


WOODRUFF — RANDOLPH
(Lower Utah Section)
1955
SUPPLY = BEAR R. Nr. WOODRUFF — FRANCIS-LEE & BEAR RIVER CANALS
DIVERSIONS = CANALS DIVERTING IN UTAH
GAIN = DIVERSIONS + BEAR R. Nr. RANDOLPH — SUPPLY (10-DAY PROGRESSIVE MEAN)
GAIN = 7% OF DIVERSIONS
DIVERSIONS
4-YR (1944-47) AVE DIVERSIONS
GAIN
SUPPLY
C F S
May
June
July
August
September
PLATE NO. 65


File No.
Weddington
Field
May
June
July
August
September
900
800
700
600
500
400
300
200
100
0
C F S
RANDOLPH TO PIXLEY DAM
(Lower Wyoming Section)
1955
SUPPLY = BEAR RIVER NEAR RANDOLPH
DIVERSIONS = CANALS AT BG AND PIXLEY DAMS
GAIN = DIVERSIONS + BEAR R. BELOW PIXLEY - SUPPLY
(10-DAY PROGRESSIVE MEAN)
GAIN = 79.7% OF DIVERSIONS
DIVERSIONS
SUPPLY
GAIN
5-YR(1946-50)
AVE DIVERSIONS
PLATE NO. 66

DAILY DISCHARGE IN CFS OF SMITHS FORK & BEAR RIVER CANALS
(WYOMING SECTION OF CENTRAL DIVISION)

MAY 1955	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
MEAS.SUPPLY SMITH FK BASIN																																
QUINN-HOURNE CANAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMITHS FORK NEAR HOURNE	146	168	172	159	191	259	330	372	351	362	383	387	398	409	402	344	313	300	326	350	417	468	454	460	460	413	394	358	337	344	394	10,641
COAL CREEK (ROWLAND)	2.9	2.9	2.9	2.9	2.9	3.5	4.1	4.7	5.3	5.9	6.5	7.0	7.3	7.3	7.3	7.4	7.4	7.4	7.3	7.3	7.2	7.2	7.1	7.0	7.0	7.0	7.3	7.7	8.0	8.4	8.7	192.8
CHAIN CREEK	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.8	5.7	5.5	5.3	5.0	4.8	4.8	4.9	5.0	132.8
PINE CR. ABOVE DIVERSIONS	15	15	15	15	15	15	15	15	15	14	16	16	16	16	16	16	16	16	16	16	16	17	16	16	17	17	16	16	16	16	17	487.0
DIAMOND F & C CANAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIAMOND F & C CANAL # 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.4	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.4	3.4	3.3	51.8
HAGGERTY (WEST SIDE) CANAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PINE CR. ABOVE COVEY CANAL	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.7	9.0	8.3	7.6	6.9	6.7	6.5	6.3	6.2	6.1	6.0	5.9	5.7	5.5	5.7	5.9	5.9	5.9	5.8	235.4
SPRING CR. ABOVE COVEY CANAL	6.5	6.4	6.4	6.3	6.3	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.7	5.7	5.6	5.5	5.5	5.5	5.6	5.7	5.7	5.8	5.9	5.9	6.2	6.5	5.1	5.7	5.8	5.9	6.1	181.3
TOTAL	183.0	205.0	209.1	196.1	228.2	296.9	368.5	411.1	390.7	401.3	426.9	429.4	440.7	451.0	441.2	396.5	355.2	343.2	369.0	427.9	479.7	531.7	506.4	508.1	485.0	455.9	436.6	401.5	380.9	388.5	439.9	11,922.1
COVEY CANAL SYSTEM																																
COVEY CANAL AT HEAD	1.3	1.3	1.3	1.2	1.3	1.6	1.8	1.6	1.3	1.3	1.5	1.5	1.5	1.5	1.7	1.7	1.1	1.0	1.0	1.0	25	45	50	54	59	67	64	67	64	64	99	686.5
COVEY CANAL FROM PINE CR.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.2	6.1	6.0	5.9	5.7	5.5	5.7	5.9	5.9	5.9	5.8	61.6
SPRING CR.ABOVE COVEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.7	5.8	5.9	5.9	6.2	6.5	5.1	5.7	5.8	5.9	6.1	62.6
SPRING CR. TO COLLETT CR.(-)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1.3	1.3	1.3	1.2	1.3	1.6	1.8	1.6	1.3	1.3	1.5	1.5	1.5	1.5	1.7	1.7	1.1	1.0	1.0	1.0	36.9	56.9	61.9	65.8	70.9	77.0	76.8	79.6	75.7	75.8	110.9	913.7
SMITHS FORK CANALS																																
QUINN-HOURNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BUTTON FLAT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PENNY PARTRIDGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROGRESS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMELIE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	19	18	16	14	14	15	15	131.0
COOPER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HOCKLOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.0	2.5	2.3	2.1	2.0	1.9	1.9	1.8	1.7	18.2
COVEY SISTER	1.3	1.3	1.3	1.2	1.3	1.6	1.8	1.6	1.3	1.3	1.5	1.5	1.5	1.5	1.2	1.2	1.1	1.0	1.0	1.0	36.9	56.9	61.9	65.8	70.9	77.0	76.8	78.6	75.7	75.8	110.9	813.7
TANNER, HUNT & GARRETT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.9	8.7	9.5	9.5	13	15	14	14	13	103.1
WHITES WATER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	23	19	16	14	16	18	22	24	170.0
MARTIN (COLLETT CREEK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JOHN BOURNE (COLLETT CREEK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.2	12	11	9.7	8.4	7.2	6.0	62.5
FORESON (COLLETT CREEK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OLSON (COLLETT CREEK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STOWER-NICHOLS (SO.BRANCH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.9	9.7	11	11	11	47.6
MORGAN (SO. BRANCH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COLEVILLE WATER (SO. BRANCH)	0	0	0	0	0	0	0	0	0	0	3.3	4.7	4.0	3.8	3.7	3.9	4.1	4.3	5.0	5.7	6.4	7.1	6.6	6.0	5.2	4.4	4.2	4.0	3.7	3.5	93.1
TANNER # 1 (SC. BRANCH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.1	7.5	10	13	16	16	16	14	11	10	8.7	7.4	6.2	138.9
TANNER # 2 (SC. BRANCH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMITHS FORK CANAL (SO. BR.)	0	0	0	0	1.0	2.0	3.0	4.0	4.9	4.8	4.8	4.7	4.7	4.7	4.7	11	18	17	19	19	20	20	20	20	20	18	16	14	15	13	11	316.3
SO. BR. # 2 (SMITHS FORK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SO. BR. # 1 (SMITHS FORK)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.3	4.0	3.7	3.4	3.2	2.9	2.6	2.2	1.9	2.0	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	10	101.8
TANNER # 3 (SMITHS FORK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRIBUTARY CANALS																																
COATS CREEK CANAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.8	5.7	5.5	5.3	5.0	4.8	4.8	4.9	5.0	44.8
COLLETT & GOODELL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.0	5.0	6.0	5.0	7.8	10	10	9.0	9.0	9.0	9.0	10	94.8
W. H. (PINE CREEK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.0	11	11	11	11	8.2	7.0	7.0	7.0	7.0	7.0	7.0	7.0	107.2
DIAMOND F & C (PINE CR.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIAMOND F & C NO. 1(PINE CR.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.4	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.4	3.4	3.3	51.8
HAGGERTY (WEST) (PINE CR.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	5.3	5.3	5.3	5.2	6.3	7.6	8.8	9.6	10.2	10.1	10.3	13.5	14.1	13.6	12.9	18.8	28.7	29.4	38.9	54.1	94.3	119.1	157.5	189.6	199.2	199.9	195.8	199.5	197.1	197.4	237.6	2,294.8
BEAR RIVER CANALS																																
GARRETT	0	0	0	0	2.0	3.0	4.0	4.7	4.7	4.7	4.8	4.8	4.7	4.6	4.5	4.5	4.1	3.6	3.1	3.1	3.8	4.5	5.1	4.6	4.2	3.7	3.2	3.1	2.9	2.8	2.7	105.5
SIGRIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.0	9.8	9.3	9.0	8.8	8.6	49.5
WEBAR (EAST)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.4	3.7	3.7	3.7	9.0	13	13	16	18	18	18	17	18	19	20	192.5
WEBAR (WEST)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	43	43	43	43	43	43	43	43	42	40	42	50	51	51	640.0
SNIDER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	60	37	35	34	32	30	233.0
ROCKY POINT	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0	0.1	6.3
COOK	0.2	0.2	0.2	0.2	0.3	0.4	0.7	0.8	1.0	1.0	1.1	1.1	1.1	1.5	1.6	1.6	1.6	1.6	1.5	1.7	1.9	2.9	2.6	21	38	44	46	61	56	59	82	434.1
J. L. RICHARDS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0.3	0.3	0.3	0.3	2.4	3.5	4.9	5.8	6.0	6.0	6.2	6.2	6.3	6.4	6.4	6.4	28.4	52.1	51.5	51.7	57.9	71.7	64.0	86.8	128.4	151.9	154.2	167.6	170.0	172.6	194.4	1,640.9
SECTION TOTAL DIVERSIONS	5.6	5.6	5.6	5.5	8.7	11.1	13.7	15.4	16.2	16.1	16.5	19.7	20.4	20.0	19.3	25.2	56.4	82.0	90.4	105.8	152.2	187.8	221.5	276.4	327.6	351.8	350.0	367.1	367.1	370.0	432.0	3,955.7

PLATE NO. 67

DAILY DISCHARGE IN CFS OF SMITHS FORK & BEAR RIVER CANALS
(WYOMING SECTION OF CENTRAL DIVISION)

JUNE 1955	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
HEAD SUPPLY SMITHS FK BASIN															
QUINN-ROUNDS CANAL	0	0	0	0	0	0	0	0	0	0	0	0	8.0	16	16
SMITHS FORK NEAR BORDER	402	405	394	413	444	476	506	546	576	569	564	551	520	511	481
COAL CREEK (HOWLAND)	9.0	9.4	9.8	10	10	11	11	10	9.7	9.6	9.5	9.5	7.5	9.5	9.4
GRADE CREEK	5.1	5.2	5.2	5.2	1.7	0	0	0	0	4.6	7.8	7.7	7.6	7.5	7.5
PINE CR. ABOVE DIVERSIONS	18	18	18	18	18	18	18	18	18	18	17	18	18	18	18
DIAMOND P & C CANAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIAMOND P & C CANAL # 1	3.3	3.3	3.3	3.2	3.1	3.0	2.9	3.0	3.0	3.7	3.3	3.4	3.5	3.6	3.5
HAGGERTY (WEST SIDE) CANAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PINE CR. ABOVE COVEY CANAL	5.8	6.0	6.1	6.0	5.9	5.8	5.7	6.3	6.9	7.6	8.4	8.4	10	10	9.4
SPRING CR. ABOVE COVEY CANAL	6.2	6.4	6.5	6.2	5.9	5.6	5.3	5.3	5.3	5.1	4.9	5.3	5.[illegible]	6.1	5.7
TOTAL	449.4	453.3	447.9	461.6	488.6	519.4	548.9	588.6	616.9	617.1	614.9	603.3	592.3	581.7	550.0
COVEY CANAL SYSTEM															
COVEY CANAL AT HEAD	90	67	63	69	72	74	76	76	72	73	76	76	80	82	84
COVEY CANAL FROM PINE CR.	5.8	6.0	6.1	6.0	5.9	5.8	5.7	6.3	6.9	7.6	8.4	8.4	10	10	9.4
SPRING CR. ABOVE COVEY	6.2	6.4	6.5	6.2	5.9	5.6	5.3	5.3	5.3	5.1	4.9	5.3	5.7	6.1	5.7
SPRING CR. TO COLLETT CR. (-)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	102.0	79.4	75.6	81.2	83.8	85.4	87.0	87.6	84.2	85.7	89.3	89.7	95.7	98.1	98.6
SMITHS FORK CANALS															
QUINN-ROUNDS	0	0	0	0	0	0	0	0	0	0	0	0	8.0	16	16
BUTTON FLAT	0	0	0	0	0	0	0	0	0	3.0	5.1	6.0	7.0	8.0	7.7
PERRY PARTRIDGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROGRESS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMELLE	16	16	17	17	18	19	19	20	22	22	22	22	21	21	19
COOPER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WHEELOCK	1.6	1.5	1.4	1.4	1.5	1.6	1.6	1.6	1.6	1.5	1.4	0.7	0	0	0
COVEY SYSTEM	102	79.4	75.6	81.2	83.8	85.4	87.0	87.6	84.2	85.7	89.3	89.7	95.7	98.1	98.6
TANNER, HUNT & GARRETT	13	13	13	13	14	15	15	15	14	13	13	13	13	12	12
WHITES WATER	34	44	48	52	49	46	44	41	38	36	34	32	30	28	26
MARTIN (COLLETT CREEK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JOHN BOURNE (COLLETT CREEK)	7.5	9.0	14	20	21	22	24	26	24	21	21	20	20	20	19
ROBINSON (COLLETT CREEK)	8.0	12	12	17	12	17	12	17	10	7.0	9.0	10	11	11	11
OLSON (COLLETT CREEK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STONER-NICHOLS (SO. BRANCH)	12	14	14	14	16	19	21	23	18	14	14	14	14	14	14
MORGAN (SO. BRANCH)	6.2	7.3	7.7	7.7	9.8	17	17	11	14	16	16	17	17	17	17
COKEVILLE WATER (SO. BRANCH)	3.2	2.8	2.4	7.6	3.4	4.3	4.8	5.3	5.6	5.9	5.3	4.8	4.1	4.0	3.7
TANNER # 1 (SO. BRANCH)	5.9	5.4	3.6	4.9	7.0	9.0	12	14	14	14	13	17	11	10	8.6
TANNER # 2 (SO. BRANCH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMITHS FORK CANAL (SO. BR.)	20	9.3	9.4	9.5	11	12	13	14	18	22	21	20	19	18	18
SO. BR. #2 (SMITHS FORK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SO. BR. #1 (SMITHS FORK)	16	17	17	17	17	18	16	13	22	39	38	17	36	35	34
TANNER #3 (SMITHS FORK)	0	0	0	0	0	0	0	0	0	0	0	0.4	0.8	0.6	0
TRIBUTARY CANALS															
GRADE CREEK CANAL	5.1	5.2	5.2	5.2	1.7	0	0	0	0	4.6	7.8	7.7	7.6	7.5	7.5
COLLETT & GOODELL	11	11	11	11	11	11	11	11	16	18	17	18	17	7.0	8.0
V. S. (PINE CREEK)	7.0	7.1	7.3	7.4	7.4	7.4	7.4	7.4	2.5	0	0	0	6.0	11	10
DIAMOND P & C (PINE CR.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIAMOND P & C # 1 (PINE CR.)	3.3	3.3	3.3	3.2	3.1	3.0	2.9	3.0	3.0	3.2	3.3	3.4	3.5	3.6	3.5
HAGGERTY (WEST) (PINE CR.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	261.8	259.3	261.9	279.1	286.7	296.7	307.7	306.9	306.9	326.8	330.[illegible]	327.9	336.9	341.8	333.6
BEAR RIVER CANALS															
GARNETT	2.6	4.0	11	11	11	11	10	9.2	9.1	9.0	8.5	8.0	7.5	7.1	7.1
SIGHTS	12	15	16	16	17	18	18	18	20	21	21	22	22	22	22
WIMAN (EAST)	21	22	25	28	30	32	32	28	27	27	27	26	26	26	26
WIMAN (WEST)	55	60	65	69	74	79	76	74	74	74	74	73	73	72	72
SNYDER	36	43	44	47	52	55	53	52	50	49	48	56	44	44	43
ROCKY POINT	0.2	0.2	0.3	0.3	0.5	20	61	29	0.9	0.3	28	56	56	56	56
COOK	96	105	82	65	70	74	73	67	57	56	54	54	54	54	53
J. R. RICHARDS	0	0	0	0	4.4	8.9	8.3	7.7	7.1	6.5	5.9	5.3	4.7	3.4	0
TOTAL	222.8	247.2	263.3	236.3	257.9	297.9	331.3	283.9	245.1	263.3	258.4	290.3	537.2	283.7	278.1
SECTION TOTAL DIVERSIONS	484.6	506.5	505.2	515.4	544.6	594.6	636.0	590.8	552.0	570.1	589.6	618.7	624.3	525.5	611.7

JUNE 1955	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
HEAD SUPPLY SMITHS FK BASIN																	
QUINN-ROUNDS CANAL	16	15	14	13	13	12	12	12	5.0	0	0	7.0	7.0	9.5	12		181.[illegible]
SMITHS FORK NEAR BORDER	472	456	440	421	409	398	390	387	383	369	348	330	333	310	330		13,082
COAL CREEK (HOWLAND)	9.1	9.0	9.0	8.8	8.5	8.2	7.8	7.4	7.2	7.0	6.9	6.8	6.7	6.6	6.5		262.4
GRADE CREEK	7.5	7.2	6.9	6.8	6.6	6.5	6.4	6.4	6.7	6.0	5.8	5.8	5.3	5.2	5.0		158.5
PINE CR. ABOVE DIVERSIONS	18	18	18	18	18	18	18	18	18	18	18	18	18	13	18		539.0
DIAMOND P & C CANAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
DIAMOND P & C CANAL # 1	3.4	3.4	3.3	3.3	3.3	3.8	4.6	4.8	4.8	4.5	4.8	4.9	5.0	5.2	5.2		113.3
HAGGERTY (WEST SIDE) CANAL	0	0	0	0	0.8	3.2	2.2	1.2	2.5	3.8	3.0	2.3	1.8	1.8	1.7		24.3
PINE CR. ABOVE COVEY CANAL	8.7	8.4	8.0	8.0	6.9	3.6	3.8	3.9	3.8	3.6	3.6	0.6	0.6	0.6	0.6		173.0
SPRING CR. ABOVE COVEY CANAL	4.2	4.2	4.3	4.4	4.5	4.6	4.7	4.7	4.7	4.7	4.8	4.9	4.8	4.8	4.8		154.0
TOTAL	538.9	571.2	503.5	483.3	470.6	457.9	449.5	445.4	435.2	416.9	394.9	379.9	362.2	361.7	153.8		14,693.8
COVEY CANAL SYSTEM																	
COVEY CANAL AT HEAD	84	87	87	85	84	85	88	87	85	85	84	84	87	85	84		2,411.0
COVEY CANAL FROM PINE CR.	8.7	8.4	8.0	8.0	6.9	3.6	3.8	3.9	3.8	3.6	3.6	0.6	0.6	0.6	0.6		173.0
SPRING CR. ABOVE COVEY	4.2	4.2	4.3	4.4	4.5	4.6	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.8		154.0
SPRING CR. TO COLLETT CR. (-)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
TOTAL	96.9	99.6	99.3	97.4	95.4	93.7	96.5	95.5	93.5	93.3	92.4	89.4	92.4	90.4	89.4		2,738.0
SMITHS FORK CANALS																	
QUINN-ROUNDS	16	15	14	13	13	12	12	12	5.0	0	0	7.3	7.0	9.5	12		187.5
BUTTON FLAT	7.3	6.9	6.5	6.3	6.0	5.8	5.8	5.8	5.6	5.4	5.0	4.5	4.0	3.7	3.4		118.8
PERRY PARTRIDGE	3.6	7.3	7.7	6.9	6.5	6.1	6.5	6.9	7.3	7.7	7.5	7.2	7.0	6.8	6.5		101.1
PROGRESS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.8		3.8
EMELLE	17	17	17	16	16	15	14	14	14	14	13	12	11	13	15		509.0
COOPER	0	0	0	0	0	0	0	5.5	22	22	20	17	15	14	14		129.5
WHEELOCK	0	0	0	0	0	3.2	13	13	14	14	16	17	17	16	15		155.6
COVEY SYSTEM	96.9	99.6	99.3	97.4	95.4	93.2	96.5	95.6	93.5	93.3	92.4	89.4	92.4	90.4	89.4		2,738.0
TANNER, HUNT & GARRETT	12	13	19	19	18	18	17	20	24	23	22	21	20	19	[illegible]		485.0
WHITES WATER	26	30	37	36	34	32	31	36	40	40	40	42	41	38	[illegible]		1,123.0
MARTIN (COLLETT CREEK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	[illegible]		0
JOHN BOURNE (COLLETT CREEK)	18	17	16	14	13	12	12	14	15	14	12	11	12	12	11		497.5
ROBINSON (COLLETT CREEK)	14	16	15	15	14	14	14	14	13	12	17	11	10	10	9.8		255.7
OLSON (COLLETT CREEK)	0	0	0	0	0	0	0	0	0	0	0	0	0	4.0	5.9		9.9
STONER-NICHOLS (SO. BRANCH)	12	11	11	10	9.9	9.9	12	12	11	11	11	11	10	9.1	9.6		395.5
MORGAN (SO. BRANCH)	16	15	14	13	12	12	11	10	10	9.2	8.4	7.7	8.0	8.2	7.8		354.0
COKEVILLE WATER (SO. BRANCH)	5.2	6.0	6.0	5.2	4.6	4.2	3.8	3.3	2.7	1.8	1.5	1.1	1.0	1.0	2.3		111.3
TANNER # 1 (SO. BRANCH)	9.0	9.3	8.2	7.2	6.1	5.8	5.6	4.5	3.4	3.9	2.4	1.9	1.8	1.7	3.4		218.6
TANNER # 2 (SO. BRANCH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
SMITHS FORK CANAL (SO. BR.)	16	13	13	12	12	12	12	12	12	12	12	12	12	12	11		409.2
SO. BR. #2 (SMITHS FORK)	9.0	14	13	12	11	10	10	9.8	9.5	8.6	7.7	6.8	6.4	5.9	5.[illegible]		139.3
SO. BR. #1 (SMITHS FORK)	32	31	29	27	26	25	24	22	21	26	37	17	36	34	34		815.0
TANNER #3 (SMITHS FORK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.[illegible]		2.6
TRIBUTARY CANALS																	
GRADE CREEK CANAL	7.5	7.2	6.9	6.8	6.6	6.5	6.4	6.4	6.2	6.0	5.8	5.6	5.3	5.2	5.[illegible]		158.5
COLLETT & GOODELL	8.0	8.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	8.0	8.0	8.0	7.0		294.0
V. S. (PINE CREEK)	10	10	11	11	11	11	11	11	11	11	11	10	10	10	11		247.9
DIAMOND P & C (PINE CR.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
DIAMOND P & C # 1 (PINE CR.)	3.4	3.4	3.3	3.3	3.3	3.8	4.6	4.8	4.8	4.8	4.8	4.8	5.0	5.2	5.2		113.1
HAGGERTY (WEST) (PINE CR.)	0	0	0	0	0.8	3.2	2.2	1.2	2.5	3.8	3.0	2.3	1.8	1.8	1.7		24.3
TOTAL	338.9	349.7	357.9	338.1	336.2	321.7	331.4	340.5	354.0	350.5	351.5	347.3	341.7	338.9	350.0		9,692.7
BEAR RIVER CANALS																	
GARNETT	6.0	6.6	6.3	6.1	5.8	6.0	6.1	5.9	5.7	5.7	4.8	4.4	3.6	2.8	3.5		206.2
SIGHTS	20	19	19	20	20	21	22	22	23	23	23	11	7.8	4.5	4.7		539.6
WIMAN (EAST)	26	26	26	25	25	25	24	23	23	23	22	22	21	20	28		756.0
WIMAN (WEST)	59	67	67	67	67	67	67	64	62	60	58	57	54	52	56		1,997.0
SNYDER	42	40	40	41	41	40	40	39	38	36	33	31	29	26	32		1,249.0
ROCKY POINT	55	55	54	54	54	54	54	54	50	47	43	43	36	33	34		1,076.2
COOK	52	52	52	52	49	47	59	70	69	54	45	44	42	42	42		1,785.0
J. R. RICHARDS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		61.2
TOTAL	270.8	265.6	264.[illegible]	265.1	261.[illegible]	256.0	272.1	277.9	270.7	268.2	228.8	210.4	192.4	180.3	194.3		7,670.2
SECTION TOTAL DIVERSIONS	609.7	615.3	617.8	603.2	588.0	581.7	603.5	618.4	624.7	598.7	580.3	557.7	536.3	518.8	544.1		17,362.9

PLATE NO. 68

DAILY DISCHARGE IN CFS OF SMITHS FORK & BEAR RIVER CANALS
(WYOMING SECTION OF CENTRAL DIVISION)

JULY 1955	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
SMITHS FORK SUPPLY SMITHS FK BASIN																																
QUINN-COURNE CANAL	12	13	15	15	15	14	14	13	13	12	12	11	11	10	10	14	14	13	13	13	13	6.5	0	0	0.2	0.4	0.4	0.4	0.4	0.4	0.4	279.1
SMITHS FORK NEAR BORDER	287	278	266	259	253	248	242	237	231	226	223	221	213	205	195	191	188	188	186	181	186	195	203	203	205	188	177	170	166	161	157	6,528
COAL CREEK (HOWLAND)	6.5	6.5	6.4	6.3	6.3	6.3	6.3	6.2	6.0	6.0	5.9	5.9	5.6	5.4	4.8	4.2	4.4	4.6	4.8	4.6	4.4	4.4	4.4	4.4	4.4	4.4	4.2	4.1	4.0	3.9	4.0	159.6
GRADE CREEK	4.9	4.8	4.8	4.7	4.7	4.7	4.7	4.3	3.9	3.9	3.9	3.9	1.6	0	0	0	0	2.5	3.7	3.6	3.6	3.5	3.4	3.4	3.3	3.3	3.2	3.1	3.1	3.1	3.0	100.6
PINE CR. ABOVE DIVERSIONS	18	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	16	16	16	16	19	18	17	17	17	17	524.0
DIAMOND P & C CANAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	0.3	0.4	0.4	0.4	0.4	2.2
DIAMOND P & C CANAL #1	5.2	5.2	5.3	5.3	5.4	5.4	5.3	5.2	5.0	4.9	4.8	4.7	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.7	4.7	4.8	4.8	4.8	4.8	4.8	151.3
HAGGERTY (WEST SIDE) CANAL	1.7	1.6	1.6	1.4	1.6	1.6	1.6	1.3	1.9	2.6	3.2	2.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23.9
PINE CR. ABOVE COVEY CANAL	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.8	1.6	3.3	3.6	4.0	4.1	4.1	4.2	4.4	4.6	5.2	5.7	5.8	5.8	5.9	5.8	5.7	5.6	5.5	4.0	96.5
SPRING CR. ABOVE COVEY CANAL	4.8	4.9	4.9	4.9	4.9	4.8	4.7	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.9	4.1	4.2	4.3	4.4	4.6	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	4.0	135.0
TOTAL	340.7	331.6	320.6	314.1	308.5	302.4	296.3	289.3	282.4	276.8	274.2	271.6	260.6	249.1	238.9	238.9	236.3	238.1	237.7	232.8	237.9	239.8	241.6	241.7	241.8	229.2	217.7	209.5	205.2	199.9	196.6	8,000.2
COVEY CANAL SYSTEM																																
COVEY CANAL AT HEAD	80	79	78	78	77	85	87	87	85	85	84	85	84	80	80	79	78	74	72	76	73	62	82	82	72	79	74	73	69	64	63	2,494
COVEY CANAL FROM PINE CR.	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.8	1.6	3.3	3.6	4.0	4.1	4.1	4.2	4.4	4.6	5.2	5.7	5.8	5.8	5.9	5.8	5.7	5.6	5.5	4.0	96.5
SPRING CR. ABOVE COVEY	4.8	4.9	4.9	4.9	4.9	4.8	4.7	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.9	4.1	4.2	4.3	4.4	4.6	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	4.0	135.0
SPRING CR. TO COLLETT CR.(-)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	85.4	84.5	83.5	83.5	82.5	90.4	92.3	92.1	90.0	90.0	88.9	89.8	89.5	87.1	87.5	87.1	86.3	82.4	80.6	83.0	82.3	71.8	92.2	92.2	82.1	89.1	83.9	82.7	78.5	73.3	71.0	2,635.5
SMITHS FORK CANALS																																
QUINN-COURNE	12	13	15	15	15	14	14	13	13	12	12	11	11	10	10	14	14	13	13	13	13	6.5	0	0	0.2	0.4	0.4	0.4	0.4	0.4	0.4	279.1
BUTTON FLAT	2.9	2.6	2.4	2.1	1.9	3.4	4.9	4.6	4.4	4.3	4.1	4.0	2.4	0.5	0	0	0	0	1.5	3.1	3.1	2.5	1.8	1.8	1.8	2.1	2.6	2.6	3.2	3.7	3.7	78.0
PERRY PARTRIDGE	6.2	6.0	6.1		7.0	7.2	7.3	7.1	6.9	6.7	6.6	6.4	6.1	5.9	5.6	5.3	5.3	5.2	5.2	5.1	5.1	5.2	5.3	5.2	5.2	5.1	4.8	4.4	4.2	4.0	4.0	176.6
PROGRESS	7.2	10	10	11	12	12	12	12	11	10	8.2	6.4	5.7	5.0	4.5	4.0	4.0	6.7	8.1	8.0	7.8	6.0	4.2	4.2	4.2	1.9	0.8	3.9	7.7	12	12	211.0
EMELIE	15	21	26	27	27	27	27	26	26	26	26	26	24	22	21	20	19	18	16	16	16	17	19	19	18	18	16	13	12	11	11	630.0
COOPER	12	12	9.7	9.5	9.3	8.8	8.4	8.0	7.6	7.7	7.7	7.8	7.4	7.1	7.4	7.7	7.6	7.4	7.3	7.3	7.4	9.7	12	11	11	10	8.6	7.3	6.8	6.4	6.9	262.6
WHEELOCK	14	14	15	15	15	16	18	18	18	18	18	18	17	16	10	4.4	4.2	4.2	4.0	3.9	3.8	7.0	4.4	4.4	4.4	4.4	3.9	3.4	3.0	2.7	4.7	306.8
COVEY SYSTEM	85.4	84.5	83.5	83.5	82.5	90.4	92.3	92.1	90.0	90.0	88.9	89.8	89.5	87.1	87.5	87.1	86.3	82.4	80.6	83.0	82.3	71.8	92.2	92.2	82.1	89.1	83.9	82.7	78.5	73.3	71.0	2,635.5
TANNER, HUNT & GARRETT	19	17	16	15	14	12	12	11	11	11	11	10	10	10	10	9.8	9.6	9.3	8.6	8.0	8.0	14	20	24	27	22	18	17	16	16	14	430.3
WHITES WATER	44	51	49	47	45	44	43	42	43	43	44	43	42	40	39	38	37	36	36	39	42	42	48	54	60	50	41	36	32	28	24	1,302.0
MARTIN (COLLETT CREEK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2	3.5	3.5	3.4	3.2	3.0	2.7	2.6	2.5	2.4	2.3	2.2	2.0	1.9	2.0	2.2	40.6
JOHN COURNE (COLLETT CREEK)	11	11	11	11	11	11	9.5	8.0	7.9	7.7	7.6	5.8	3.9	4.4	5.0	4.3	3.5	2.7	2.8	2.9	2.8	2.6	3.4	4.2	5.0	7.2	9.5	8.4	7.2	8.0	8.8	209.1
FORGEON (COLLETT CREEK)	8.5	8.0	7.6	7.1	6.7	6.2	5.9	5.6	5.5	5.3	5.2	5.2	5.3	7.6	9.4	8.6	7.7	6.9	5.8	4.7	4.4	4.1	4.7	5.2	5.8	3.4	1.0	0.6	0.1	0	0	162.2
OLSON (COLLETT CREEK)	5.7	1.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.6	0.6	0.6	0.7	0.7	11.1
STONER-NICHOLS (SO.BRANCH)	8.0	7.2	6.4	5.6	4.8	4.0	4.6	5.2	5.4	5.7	5.9	5.2	4.6	4.5	4.4	4.4	4.4	4.4	5.0	5.3	5.5	5.7	5.8	6.0	6.1	6.4	6.6	6.2	5.9	6.2	6.6	172.0
MORGAN (SO.BRANCH)	7.3	7.3	7.4	7.4	7.5	7.5	7.8	8.0	8.2	8.4	8.6	8.4	8.2	9.0	9.7	8.9	8.1	7.3	7.2	7.0	5.0	2.9	3.6	4.7	4.9	5.6	6.3	5.8	5.3	5.2	5.1	213.1
CORKVILLE WATER (SO.BRANCH)	3.0	2.8	2.7	2.6	2.5	2.4	2.4	3.0	3.6	3.6	3.6	3.6	3.6	3.8	3.9	3.9	3.9	3.9	3.6	3.2	2.9	2.6	2.4	2.3	2.1	1.8	1.4	1.4	1.3	2.0	2.6	88.4
TANNER #1 (SO. BRANCH)	4.2	4.1	4.0	3.9	3.8	3.7	3.8	4.0	3.8	3.6	3.4	3.4	3.4	3.0	2.7	3.0	3.3	3.6	3.0	2.5	2.2	1.9	1.6	1.4	1.2	1.0	0.8	0.6	0.4	0.6	0.8	82.7
TANNER #2 (SO. BRANCH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMITHS FORK CANAL (SO. BR.)	7.3	7.5	7.8	8.1	8.4	8.7	7.6	6.6	6.6	6.7	6.7	6.6	6.4	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.6	6.9	7.3	7.3	7.1	6.9	7.0	7.1	7.6	8.0	220.0
SO. BR. #2 (SMITHS FORK)	5.2	4.6	4.0	3.4	2.8	2.2	3.3	4.4	5.0	5.6	6.1	5.9	5.7	4.7	4.2	4.3	4.3	4.4	4.4	3.8	3.2	5.7	7.4	7.4	7.3	8.2	8.1	8.1	8.0	8.1	8.1	166.7
SO. BR. #1 (SMITHS FORK)	27	31	25	19	16	12	20	28	29	31	32	32	32	30	27	27	27	27	25	23	23	18	17	17	17	9.3	5.4	5.4	5.5	5.2	4.9	657.7
TANNER # 3 (SMITHS FORK)	1.0	0.8	0.6	0.4	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.0
TAINTARY CANALS																																
GRADE CREEK CANAL	4.9	4.8	4.8	4.7	4.7	4.7	4.7	4.3	3.9	3.9	3.9	3.9	1.6	0	0	0	0	2.5	3.7	3.6	3.6	3.5	3.4	3.4	3.3	3.3	3.2	3.1	3.1	3.1	3.0	100.6
COLLETT & GODDELL	7.0	6.0	6.0	6.0	6.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.6	7.3	7.2	6.9	8.4	9.0	8.3	8.5	8.7	8.2	220.5
V. H. (PINE CREEK)	11	11	11	11	11	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.4	8.7	8.8	9.1	9.2	9.0	8.7	8.5	8.3	8.8	303.5
DIAMOND P & C (PINE CR.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	0.3	0.4	0.4	0.4	0.4	2.2
DIAMOND P & C #1 (PINE CR.)	5.2	5.2	5.3	5.3	5.4	5.4	5.4	5.3	5.2	5.0	4.9	4.8	4.7	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.7	4.7	4.8	4.8	4.8	4.8	4.8	151.3
HAGGERTY (WEST) (PINE CR.)	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.4	1.9	1.9	2.6	3.2	2.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23.9
TOTAL	345.7	345.9	340.1	327.9	321.1	321.2	332.5	334.6	333.3	334.1	334.0	327.4	313.7	298.8	289.6	284.2	281.0	276.7	271.9	273.3	272.3	258.6	286.3	297.2	295.1	281.9	255.3	241.9	231.9	228.4	224.7	9,160.6
BEAR RIVER CANALS																																
GARRETT	4.8	4.0	3.2	2.4	1.6	0.8	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17.2
SIGHTS	4.1	4.7	5.4	6.0	6.7	7.4	7.5	7.6	7.4	7.1	6.9	7.0	8.7	7.6	6.6	8.3	10	12	11	9.8	9.8	13	17	18	18	19	20	20	19	19	18	343.4
HYMAN (EAST)	23	23	22	21	20	20	20	20	20	20	20	21	23	22	21	20	19	18	16	15	14	13	12	10	0	0	0	0	0	0	0	453.0
HYMAN (WEST)	60	56	53	50	47	44	42	41	40	38	36	34	35	38	40	38	35	33	31	29	29	28	18	9.0	0	0	0	0	0	0	0	906.0
SNYDER	36	37	35	33	31	29	28	28	27	27	31	38	40	38	35	33	33	31	28	26	24	26	34	38	42	41	42	40	40	40	39	1,051.0
ROCKY POINT	44	36	31	26	27	23	21	25	26	25	22	21	22	24	22	23	22	21	19	17	18	16	18	17	17	17	16	15	14	12	12	671.0
COOK	46	44	40	38	37	36	34	33	33	32	32	34	34	38	35	36	34	33	29	26	26	26	26	31	30	30	27	26	27	26	24	1,001.0
J. H. RICHARDS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	219.9	206.7	189.6	179.4	170.3	160.2	152.9	150.6	153.4	149.1	147.9	157.8	162.7	167.6	159.6	158.3	153.0	148.0	134.0	122.8	120.8	120.0	125.0	123.0	107.0	107.0	104.0	101.0	100.0	97.0	93.0	4,442.6
SECTION TOTAL DIVERSIONS	565.6	550.6	529.7	506.3	491.4	481.4	485.4	489.2	486.7	483.9	481.9	485.2	476.4	466.4	449.2	442.5	434.0	428.7	405.9	396.1	393.1	378.6	411.3	420.2	402.1	388.9	359.3	342.9	331.9	325.4	317.7	13,603.2

PLATE NO. 69

DAILY DISCHARGE IN CFS OF SMITHS FORK & BEAR RIVER CANALS
(WYOMING SECTION OF CENTRAL DIVISION)

AUG. 1955	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
MEAS. SUPPLY SMITHS FK BASIN																																
QUINN-BOURNE CANAL	0.4	0.4	0.5	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	1.0	1.0	0.5	0	0	0	0	0.8	1.6	1.6	1.6	1.4	1.3	1.2	1.1	0.8	22.1
SMITHS FORK NEAR BORDER	153	159	151	146	144	144	148	144	138	134	132	130	132	132	126	130	132	124	122	118	116	114	110	108	112	108	108	105	101	101	99	3,921
COAL CREEK (HOWLAND)	4.1	4.1	4.0	3.8	3.6	3.5	3.5	3.5	3.5	3.5	3.5	2.3	1.1	1.0	1.0	0.9	0.8	0.7	0.6	1.2	1.8	2.4	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8	80.1
GRADE CREEK	3.0	2.9	2.9	2.9	2.9	2.9	2.8	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.2	2.7	2.2	79.0
PINE CR. ABOVE DIVERSIONS	17	17	17	17	17	17	18	17	17	17	17	17	17	17	17	17	17	16	16	16	16	16	16	17	17	16	16	16	16	16	16	516.0
DIAMOND P & C CANAL	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	13.8
DIAMOND P & C CANAL #1	4.9	4.9	4.9	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.0	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.2	3.1	2.9	2.8	2.7	2.6	123.5
HAGGERTY (WEST SIDE) CANAL	1.0	1.9	1.9	1.9	2.3	2.7	2.5	2.3	2.1	1.9	1.7	2.0	2.3	2.2	2.2	2.1	2.2	2.2	2.3	1.7	0	0	0	0	0	0	0	0	0	0	0	41.4
PINE CR. ABOVE COVEY CANAL	2.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.8	1.9	2.0	2.2	2.3	2.2	2.2	2.1	2.3	2.6	2.8	3.4	4.0	4.7	5.4	5.4	5.4	8.4	6.0	5.4	5.4	5.4	5.6	98.4
SPRING CR. ABOVE COVEY CANAL	4.1	4.2	4.3	4.5	4.5	4.2	3.9	3.6	3.3	3.2	3.1	3.3	3.5	3.8	4.0	4.3	4.5	4.8	5.1	5.0	4.9	4.9	4.8	4.8	4.7	4.6	4.6	4.5	4.4	4.3	4.3	132.0
TOTAL	190.4	195.8	187.9	183.0	181.1	181.1	185.4	179.6	173.7	169.4	167.1	164.6	165.9	166.9	160.0	164.4	166.8	157.6	155.6	152.0	149.3	148.5	146.4	146.1	149.9	147.6	145.0	140.8	136.4	136.1	133.9	5,027.3
COVEY CANAL SYSTEM																																
COVEY CANAL AT HEAD	64	59	15	29	53	53	57	59	52	51	48	50	47	48	48	50	50	48	47	46	43	44	44	43	44	47	46	46	38	32	27	1,428
COVEY CANAL FROM PINE CR.	2.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.8	1.9	2.0	2.2	2.3	2.2	2.2	2.1	2.3	2.6	2.8	3.4	4.0	4.7	5.4	5.4	5.4	8.4	6.0	5.4	5.4	5.4	5.6	98.4
SPRING CR. ABOVE COVEY	4.1	4.2	4.3	4.5	4.5	4.2	3.9	3.6	3.3	3.2	3.1	3.3	3.5	3.8	4.0	4.3	4.5	4.8	5.1	5.0	4.9	4.9	4.8	4.8	4.7	4.6	4.6	4.5	4.4	4.3	4.3	132.0
SPRING CR. TO COLLETT CR. (-)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	70.6	64.2	20.3	34.5	58.5	58.2	61.9	63.6	57.1	56.1	53.1	55.5	52.8	54.0	54.2	56.4	56.8	55.4	54.9	54.4	51.9	53.6	54.2	53.2	54.1	60.0	56.6	55.9	47.8	41.7	36.9	1,658.4
SMITHS FORK CANALS																																
QUINN-BOURNE	0.4	0.4	0.5	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	1.0	1.0	0.5	0	0	0	0	0.8	1.6	1.6	1.6	1.4	1.3	1.2	1.1	0.8	22.1
BUTTON FLAT	4.9	5.4	4.5	3.6	3.5	3.5	3.4	3.4	3.4	3.3	3.3	3.2	3.1	4.1	5.2	6.2	6.0	5.8	5.6	5.5	5.4	5.3	5.3	2.6	0	0	0	0	0	0	0	105.5
PERRY PARTRIDGE	3.9	3.9	4.3	4.6	4.7	4.9	4.9	4.8	4.8	4.6	4.5	4.4	4.3	4.2	4.2	4.1	4.0	4.0	3.9	3.8	3.7	3.5	3.4	3.4	3.3	3.3	3.3	3.3	4.0	4.5	4.1	126.6
PROGRESS	12	12	12	11	9.6	8.2	8.2	8.2	6.1	0.5	0.5	0.4	0.3	0.3	0.2	0.2	2.0	3.8	5.6	5.4	5.1	4.8	4.6	4.5	4.4	4.3	3.9	3.5	3.1	2.7	2.7	150.1
HALLIE	12	12	11	11	12	13	20	27	27	26	26	26	25	25	24	24	22	22	20	19	18	17	16	16	16	16	15	14	14	13	12	571.0
COOPER	7.4	7.9	6.2	4.4	6.3	8.2	6.9	6.5	6.2	5.8	5.4	4.8	4.2	4.2	4.2	4.2	4.5	4.8	5.1	5.4	5.7	6.0	6.4	6.2	5.1	5.9	5.2	4.6	3.9	3.3	3.3	169.2
WHEELOCK	6.7	8.7	6.6	4.4	6.8	9.2	8.5	7.8	7.1	6.4	5.7	6.8	8.0	8.1	8.1	8.2	7.4	6.7	5.9	5.6	5.1	4.6	3.9	4.8	5.7	6.5	6.0	5.5	5.0	4.5	4.0	198.3
COVEY SYSTEM	70.6	64.2	20.3	34.5	58.5	58.2	61.9	63.6	57.1	56.1	53.1	55.5	52.8	54.0	54.2	56.4	56.8	55.4	54.9	54.4	51.9	53.6	54.2	53.2	54.1	60.0	56.6	55.9	47.8	41.7	36.9	1,658.4
TANNER, HUNT & GARRETT	11	12	13	11	9.0	9.3	9.7	10	9.4	8.8	8.3	7.8	7.8	7.8	7.8	7.7	7.7	7.6	7.6	7.6	7.4	7.2	7.1	7.1	7.0	7.1	7.2	7.2	7.2	7.5	7.8	260.7
WHITES WATE.	21	32	14	29	14	15	15	16	16	17	16	15	14	14	13	14	14	15	14	14	14	[illegible]	14	14	14	14	14	14	15	15	15	519.0
MARTIN (COLLETT CREEK)	2.3	2.5	2.7	2.0	1.4	1.3	1.3	1.2	1.2	1.2	1.1	1.0	0.9	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.5		0.4	0.3	0.3	0.4	0.4	0.3	0.2	0.2	0.1	27.9
JOHN BOURNE (COLLETT CREEK)	9.5	11	12	8.1	4.2	6.6	9.0	11	8.6	7.2	5.5	3.8	4.5	4.2	5.8	5.3	4.8	4.2	3.8	2.8	1.3	1.3	1.2	1.0	0.9	0.9	0.9	0.6	0.3	0.3	0.2	140.8
FORGEON (COLLETT CREEK)	0	0	2.6	4.8	4.2	5.2	6.1	8.0	7.0	6.1	4.5	2.9	2.0	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54.4
OLSON (COLLETT CREEK)	0.8	0.9	1.0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.2
STONER-NICHOLS (SO. BRANCH)	7.0	8.5	10	8.3	6.6	7.0	7.5	8.0	7.0	5.2	4.8	3.8	3.9	3.9	4.0	3.8	3.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.6	3.6	3.6	2.4	1.2	148.7
MORGAN (SO. BRANCH)	5.0	5.4	5.9	4.9	3.9	4.5	5.0	5.5	4.5	3.5	3.0	2.4	2.7	3.0	3.4	3.5	3.7	3.8	3.6	3.4	3.4	3.4	3.2	3.1	2.9	2.8	2.6	2.4	2.3	2.8	3.2	112.7
COKEVILLE WATER (SO. BRANCH)	3.3	6.6	6.6	5.8	4.9	5.2	5.4	5.6	5.2	4.8	4.2	3.6	3.6	3.5	3.5	3.3	3.1	2.9	2.8	2.8	2.7	2.6	2.6	2.5	2.5	2.7	2.9	2.8	2.7	3.0	3.3	117.0
TANNER #1 (SO. BRANCH)	5.1	7.1	7.1	6.2	5.4	5.4	5.5	5.5	4.8	4.2	3.6	3.0	2.8	2.7	2.5	2.2	1.9	1.7	1.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.4	0	0	0	0	87.7
TANNER #2 (SO. BRANCH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMITHS FORK CANAL (SO. BR.)	8.4	4.8	1.2	2.4	3.6	4.8	6.0	7.1	5.4	3.7	3.8	3.8	3.8	3.8	3.8	3.8	4.1	4.3	4.4	4.6	4.8	4.9	4.9	4.8	4.8	4.0	3.2	3.4	3.7	4.3	4.9	135.3
SO. BR. # 2 (SMITHS FORK)	8.2	8.0	7.7	5.2	2.6	2.6	2.5	2.5	2.1	1.7	2.2	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.9	3.0	3.1	3.0	3.0	3.1	3.3	102.0
SO. BR. # 1 (SMITHS FORK)	4.6	4.6	4.5	7.8	11	14	16	18	14	10	14	18	18	17	17	17	17	17	16	16	16	15	15	15	16	16	16	16	16	16	17	445.5
TANNER # 3 (SMITHS FORK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRIBUTARY CANALS																																
GRADE CREEK CANAL	3.0	2.9	2.9	2.9	2.9	2.7	2.8	2.7	2.6	.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.2	2.2	2.2	79.0
COLLETT & GOODELL	7.6	7.0	7.0	7.0	7.0	7.0	8.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.1	6.2	6.3	6.3	6.2	6.2	6.2	7.1	7.1	6.0	6.0	6.2	6.3	6.3	6.3	209.4
V. H. (PINE CREEK)	9.4	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.9	9.8	9.7	9.7	9.8	9.8	9.8	9.9	9.9	10	10	9.8	9.7	9.7	9.9	306.6
DIAMOND P & C (PINE CR.)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	13.8
DIAMOND P & C #1 (PINE CR.)	4.9	4.9	4.9	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.0	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.2	3.1	2.9	2.8	2.7	2.6	123.5
HAGGERTY (WEST) (PINE CR.)	1.0	1.9	1.9	1.9	2.3	2.7	2.5	2.3	2.1	1.9	1.7	2.0	2.3	2.2	2.2	2.1	2.2	2.2	2.3	1.7	0	0	0	0	0	0	0	0	0	0	0	41.4
TOTAL	230.4	245.0	210.8	197.2	200.2	214.5	231.8	247.2	224.0	203.6	196.0	195.8	191.5	191.1	191.0	194.3	193.1	191.2	186.5	182.7	175.0	173.5	172.9	170.9	170.5	175.4	167.8	163.2	154.6	146.9	141.2	5,929.8
BEAR RIVER CANALS																																
GARNETT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.6	0.6	1.5
SIGHTS	18	18	17	16	16	15	14	9.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123.0
WYMAN (EAST)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WYMAN (WEST)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNIDER	39	34	24	24	12	0	0	0	0	0	0	0	0	10	18	18	18	24	29	29	28	28	28	28	28	30	32	28	23	22	20	574.0
ROCKY POINT	12	3.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15.6
COOK	21	18	18	17	17	20	19	19	22	24	24	25	27	23	21	22	22	19	15	8.2	8.2	8.2	7.9	7.2	7.2	6.8	7.2	6.8	6.5	6.5	6.5	480.2
J. R. RICHARDS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	90.0	73.6	59.0	57.0	45.0	35.0	33.0	28.0	22.0	24.0	24.0	25.0	27.0	33.0	39.0	40.0	40.0	43.0	44.0	37.2	36.2	36.2	35.9	35.2	35.2	36.8	39.2	34.8	29.8	29.1	27.1	1,194.3
SECTION TOTAL DIVERSIONS	320.4	318.6	269.8	254.2	245.2	249.5	264.8	275.2	246.0	227.6	220.0	220.8	218.5	224.1	230.0	234.3	233.1	234.2	230.5	219.9	211.2	209.7	208.8	206.1	205.7	212.2	207.0	198.0	184.4	176.0	168.3	7,124.1

PLATE NO. 70

DAILY DISCHARGE IN CFS OF SMITHS FORK & BEAR RIVER CANALS
(WYOMING SECTION OF CENTRAL DIVISION)

SEPT 1955	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
MEAS. SUPPLY SMITHS FK BASIN																																
QUINN-BOURNE CANAL	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0		3.5
SMITHS FORK NEAR BORDER	97	96	96	96	96	92	90	90	90	90	90	89	87	85	85	85	85	87	94	90	87	85	85	85	87	99	90	89	85	84		2,678
COAL CREEK (HOWLAND)	2.7	2.7	2.7	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2		71.0
ORADE CREEK	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9		58.5
PINE CR. ABOVE DIVERSIONS	16	16	17	17	17	16	16	16	16	16	16	16	15	16	16	16	16	15	17	15	16	15	17	15	16	16	16	16	16	16		485.0
DIAMOND F & C CANAL	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.6	0.5	0.2	0.2	0.2	0.2		14.5
DIAMOND F & C CANAL #1	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2		37.9
HAGGERTY (WEST SIDE) CANAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
PINE CR. ABOVE COVEY CANAL	5.8	5.9	5.9	5.9	5.9	6.0	6.0	6.0	6.0	6.0	6.1	6.1	6.1	6.2	6.3	6.3	6.3	6.3	8.5	8.0	7.5	7.0	6.5	6.5	9.0	9.0	8.5	8.4	8.3	8.3		204.5
SPRING CR. ABOVE COVEY CANAL	4.4	4.4	4.4	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.5	5.5	5.5	5.5	5.6	5.6	5.6	5.8	5.7	5.7	5.7		152.9
TOTAL	131.6	127.9	128.7	128.5	128.1	125.0	122.8	122.9	123.0	123.0	123.0	127.1	120.0	118.2	118.3	118.4	118.5	120.6	130.9	125.5	121.9	119.3	119.9	118.9	123.3	135.3	125.7	126.6	120.5	119.4		3,705.8
COVEY CANAL SYSTEM																																
COVEY CANAL AT HEAD	23	22	8.8	3.0	2.3	1.7	1.2	1.1	5.9	17	17	15	14	12	9.8	8.3	8.0	6.6	6.4	5.9	5.3	4.8	4.8	4.4	4.7	4.0	3.9	4.0	3.8	3.7		732.0
COVEY CANAL FROM PINE CR.	5.8	5.9	5.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		17.6
SPRING CR. ABOVE COVEY	4.4	4.4	4.4	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.5	5.5	5.5	5.5	5.6	5.6	5.6	5.6	5.7	5.7	5.7		152.9
SPRING CR. TO COLLETT CR.(-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
TOTAL	33.2	32.3	19.1	7.5	6.8	6.3	5.8	5.7	10.6	21.7	21.7	19.8	18.9	17.0	14.9	13.5	13.3	12.0	11.9	11.3	10.8	10.3	10.4	10.2	9.8	9.6	9.5	9.7	9.5	9.4		402.5
SMITHS FORK CANALS																																
QUINN-BOURNE	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0		3.5
BUTTON FLAT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
PERRY PANTRIDGE	3.8	3.4	2.2	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		10.4
PROGRESS	1.0	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		2.6
EMELIE	12	11	10	9.0	8.0	7.0	6.0	5.8	5.6	5.4	5.3	5.3	5.2	5.2	5.2	5.2	5.5	5.8	6.1	6.4	6.7	6.2	6.0	6.3	6.7	7.0	8.4	5.6	0	0		137.4
COOPER	3.2	3.2	3.2	3.2	3.1	3.1	3.1	2.8	2.5	2.2	1.9	1.6	1.3	1.5	1.7	1.9	1.9	1.8	1.7	1.7	1.6	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.3	1.3		60.5
WHEELOCK	3.5	3.0	2.6	2.3	1.7	1.3	0.9	1.2	1.5	1.7	1.7	1.8	1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		26.8
COVEY SYSTEM	33.2	32.3	19.1	7.5	6.8	6.3	5.8	5.7	10.6	21.7	21.7	19.8	18.9	17.0	14.9	13.5	13.3	12.0	11.9	11.3	10.8	10.3	10.4	10.2	9.8	9.6	9.5	9.7	9.5	9.4		402.5
TANNER, HUNT & GARRETT	8.0	7.9	7.8	7.9	8.1	8.2	8.2	8.2	8.2	7.9	7.5	7.2	7.0	7.3	7.4	6.8	6.3	6.4	6.4	6.3	6.2	6.1	6.0	5.9	6.1	6.3	6.1	5.9	5.6	5.4		208.9
WHITES WATER	19	19	19	24	28	33	33	32	32	31	29	28	28	29	29	30	32	33	34	33	32	31	32	32	33	34	29	24	20	16		858.0
MARTIN (COLLETT CREEK)	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.7	0.9	0.8	0.8	0.7	0.7	0.7	0.9	1.1	1.1	0.7	0	0		15.3
JOHN BOURNE (COLLETT CREEK)	0.2	0.2	0.3	0.4	0.6	0.7	0.7	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0		7.5
FERGUSON (COLLETT CREEK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		72.4
OLSON (COLLETT CREEK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
STONER-NICHOLS (SO.BRANCH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
MORGAN (SO. BRANCH)	3.6	4.0	4.3	4.8	5.4	5.9	4.8	3.8	2.8	3.8	4.8	5.9	5.5	5.0	4.5	4.2	3.8	4.0	4.3	5.1	5.9	6.8	6.2	5.6	5.4	5.3	4.7	4.3	4.2	4.2		147.7
COBERVILLE WATER (SO.BRANCH	3.6	3.6	3.7	3.4	3.0	2.7	2.6	2.5	2.4	1.9	1.4	1.0	0.9	0.9	0.8	0.6	0.5	0.9	1.3	1.7	2.1	2.5	2.0	1.6	1.6	1.6	1.2	0.7	0.4	0		53.1
TANNER #1 (SO. BRANCH)	0	0	0	1.0	2.0	2.9	2.7	2.5	2.3	1.7	1.2	0.6	0.4	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		17.5
TANNER #2 (SO. BRANCH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
SMITHS FORK CANAL (SO. BR.)	5.4	5.4	5.4	5.5	5.6	5.7	5.7	5.7	5.7	5.4	5.1	4.8	4.8	4.8	4.8	5.4	5.7	4.7	3.7	4.0	4.4	5.7	5.3	4.9	4.9	4.9	4.6	4.2	3.3	2.4		147.9
SO. BR. # 2 (SMITHS FORK)	3.4	3.4	3.4	4.0	4.6	5.3	5.4	5.4	5.5	5.3	5.1	4.9	5.0	5.0	5.1	5.4	5.6	5.4	5.1	4.7	4.3	3.9	4.0	4.2	4.7	5.2	6.0	6.9	7.4	7.9		151.5
SO. BR. # 3 (SMITHS FORK)	17	17	17	19	21	22	22	23	23	22	22	21	21	22	22	24	25	24	24	22	21	19	19	19	20	22	24	26	26	26		652.0
TANNER # 3 (SMITHS FORK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
TRIB. TANT CANALS																																
ORADE CREEK CANAL	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9		58.5
COLLETT & GOODELL	6.3	6.3	7.3	7.3	7.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	7.1	10	10	10	10	11	10	9.9	9.8	11	9.7	9.8	9.9	10	10	10	10		253.1
V. H. (PINE CREEK)	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	8.9	6.0	6.0	6.0	6.0	6.0	6.0	6.1	6.2	6.3	6.3	6.2	6.1	6.0	6.0	6.0	6.0	6.0		232.2
DIAMOND F & C (PINE CR.)	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2		14.5
DIAMOND F & C #1 (PINE CR.)	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2		37.9
HAGGERTY (WEST) (PINE CR.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
TOTAL	138.7	134.7	120.2	114.6	119.9	126.5	121.1	119.7	123.3	131.1	127.7	122.6	120.6	118.3	115.6	117.2	123.9	126.1	132.4	130.0	127.1	125.2	125.2	122.2	123.4	119.2	118.0	112.1	100.1	96.1		3,447.6
BEAR RIVER CANALS																																
GARRETT	0.6	0.6	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.2	0.9	0.8	0.7	0.6	0.3	0	0	0	0	0	0		11.8
SIGHTS	0	0	0	0	0	0	0	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		1.5
WIMAN (EAST)	0	0	0	0	0	5.1	8.8	7.5	6.7	6.1	6.6	6.8	7.2	7.7	8.1	7.8	7.6	10	10	9.0	8.0	7.2	7.4	7.9	8.8	10	10	10	10	10		203.7
WIMAN (WEST)	0	0	0	0	0	15	25	25	25	25	26	26	26	25	25	25	25	26	26	26	26	26	26	27	27	27	27	27	27	27		637.0
SMITHS	19	19	19	18	17	16	16	15	15	16	17	18	18	18	18	17	17	19	21	20	19	18	9.2	0.4	0.3	0.2	0.2	0.2	0.2	0.2		600.9
ROCKY POINT	6.6	8.1	7.7	12	10	8.1	5.7	6.2	7.5	8.5	8.1	7.3	8.7	6.4	7.7	8.7	9.6	9.8	12	12	12	13	14	16	17	21	27	10	0	0		293.7
COOK	6.5	3.8	3.4	3.4	3.1	2.6	1.9	1.7	1.5	1.4	1.3	1.7	1.7	1.7	1.3	1.0	0.8	0.7	0.7	0.6	0.5	0.4	0.7	0.7	0.7	0.4	0.4	0.4	0.4	0.4		46.5
J. R. RICHARDS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
TOTAL	30.7	31.5	30.6	33.9	30.7	47.2	58.0	57.4	55.7	57.8	59.5	59.8	61.6	58.7	60.3	59.8	60.2	65.3	70.6	68.4	[illegible]	65.3	57.9	58.6	53.8	59.3	60.1	48.3	38.1	38.1		1,595.1
SECTION TOTAL DIVERSIONS	169.4	166.2	150.8	148.7	150.2	171.7	179.1	177.1	179.0	188.9	187.2	182.4	182.2	177.0	175.9	176.9	184.1	191.8	203.0	196.4	193.9	190.5	182.8	172.8	175.4	178.5	178.1	160.5	136.2	132.2		5,242.7

PLATE NO. 71

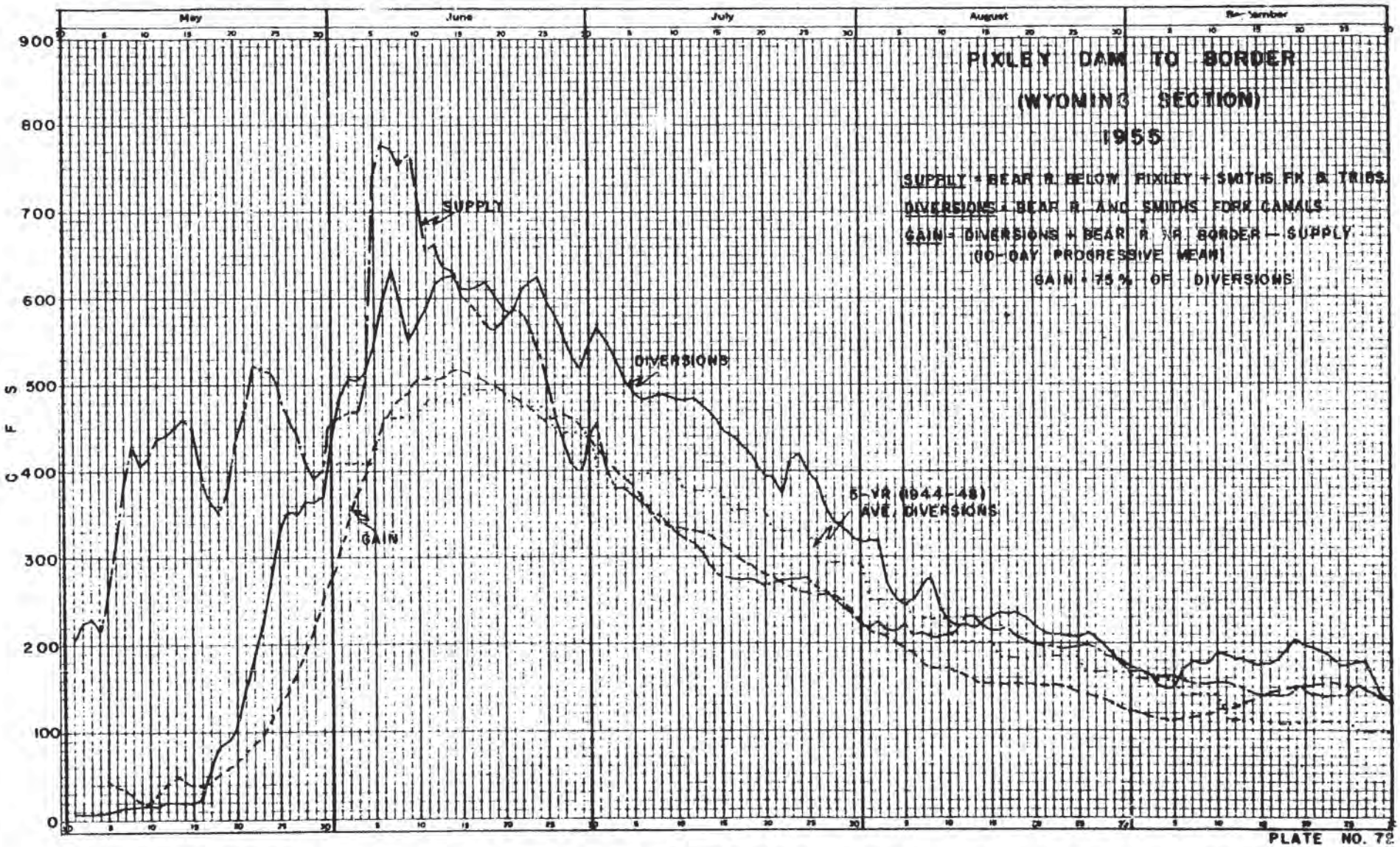

PIXLEY DAM TO BORDER
(WYOMING SECTION)
1955
SUPPLY = BEAR R. BELOW PIXLEY + SMITHS FK. & TRIBS.
DIVERSIONS = BEAR R. AND SMITHS FORK CANALS
GAIN = DIVERSIONS + BEAR R. AT BORDER — SUPPLY
(10-DAY PROGRESSIVE MEAN)
GAIN = 75% OF DIVERSIONS
May
June
July
August
September
900
800
700
600
500
400
300
200
100
0
C F S
SUPPLY
DIVERSIONS
GAIN
5-YR (1944-48) AVE. DIVERSIONS

PLATE NO. 72

DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS IN IDAHO

MAY 1935	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
BORDER TO STEWART																																
MILLER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.1	12	11	10	10	11	12	12	11	10	9.0	9.1	8.6	7.4	7.4	145.4
BUFFER	0	0	0	0	0	0	0	0	0	0	0	0	12	17	18	19	20	23	22	21	22	23	24	23	21	20	19	20	19	18	18	379
PACIFIC (SORENSEN)	0	0	0	0	0	0	0	0	0	0	0	5.0	10	10	10	10	9.5	9.2	6.9	6.0	9.6	13	12	11	13	13	13	13	12	12	12	214.2
LOYE	0	0	0	0	0	0	1.6	4.1	5.0	4.9	4.7	4.6	4.6	4.6	4.7	4.7	4.2	1.8	0.6	0.5	0.5	1.0	1.4	1.8	0.6	0.5	0.3	0.3	0.1	0	0	57.1
PHILLIPS ESTATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.7	10	10	10	10	10	10	6.7	6.0	5.7	5.7	5.6	5.5	5.5	106.9
DINGLE IRRIGATION																								20	24	27	26	27	27	28	25	
REAM-CROCKETT				5.9	5.9	5.9	5.9	5.9	6.2	6.2	6.2	0	0	0	0	0	0	0	0	5.9	6.5	6.5	0	7.1	6.5	6.5	21	40	41	41	41	
BLACK OTTER & PEG LEG	32	32	33	33	33	33	33	35	37	37	36	36	55	70	71	90	85	78	74	73	73	74	77	79	54	61	56	70	60	71	70	1,761
MONTPELIER-PRESTON	0	0	0	0	2.0	3.5	3.5	3.7	3.7	3.5	3.0	14	25	20	20	20	19	21	32	36	36	38	40	51	62	70	79	69	50	51	51	836.9
KENT-LOROCCO																10	16	15	13	11	10	12	12	13	7.4	4.6	3.2	2.0	0	0	0	
PUGMIRE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.0	2.0
WEST FORK	55	53	49	52	51	47	41	75	80	19	51	92	152	152	155	151	144	146	153	136	146	147	171	170	119	132	129	98	80	66	60	3,215
TOTAL																								409.9	354.7	390.6	361.2	358.1	333.1	299.9	291.9	
BEAR R. BELOW STEWART DAM	11	12	12	13	13	13	12	13	13	12	13	19	23	23	23	22	22	21	22	20	21	23	25	26	24	14	7.1	6.4	6.0	5.1	5.1	496.7
RAINBOW INLET CANAL	257	269	296	316	313	296	293	333	418	466	386	343	264	252	235	224	202	154	121	89	62	51	63	69	41	22	20	20	20	20	20	5,935
TOTAL	268	281	308	329	326	309	305	346	431	478	399	362	287	275	258	246	224	175	143	109	83	74	88	95	65	36	27.1	26.4	26.0	25.1	25.1	6,479.7
STEWART DAM TO ALEXANDER																																
RUDGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALEXANDER TO ONEIDA																																
LAST CHANCE	0	0	0	0	0	0	0	0	0	10	10	13	16	74	83	77	104	161	184	196	204	220	244	256	267	250	243	240	241	240	241	1,604
BENCH "B"	4	4	4	4	4	4	6	7	6	6	7	7	6	6	6	6	5	5	5	5	20	34	38	112	160	137	123	121	121	121	120	1,234
TANNER "B"	0.9	0.6	0.4	3.5	8.5	7.7	7.7	7.4	6.6	6.6	6.3	6.0	6.3	6.0	6.0	6.3	6.0	5.7	6.0	6.0	5.7	6.0	6.0	6.3	7.1	2.0	0	0	0	0	0	143.7
CENTRAL VALLEY						10	18	22	32	32	32	32	31	30	43	56	53	57	56	55	57	56	56	61	70	67	63	63	60	63	65	
TOTAL						21.7	31.7	36.4	44.4	54.6	55.3	58	89.3	116	138	145.3	168	228.7	251	262	286.7	316	364	435.3	504.1	456	429	424	422	424	426	
ONEIDA TO PRESTON																																
TITUS COOMBS PUMP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOYAL WHITE PUMP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMITH HOLSEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMITH BROTHERS PUMP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	2.3	0.8	1.9	1.9	2.0	2.1	18.3
RIVERDALE-PRESTON (UPPER)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RIVERDALE-PRESTON PUMP											Total	for	month	based	on	EMH	(from | water | reading)	and	pump	rating.			1.5	1.6	3.2	3.2	3.3	3.6	2.6	3.7	3.5	26.0
NELSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	1.6	0.7	2.0	2.0	2.1	2.3	1.8	2.7	2.4	17.6
RIVERDALE																					9.6	9.0	11	11	11	21	22	21	19	20	18		
WEST CACHE																39	117	97	83	92	99	110	137	139	142	137	130	129	136	149	138		
TOTAL																					115.6	120.5	153.4	152.9	160.1	165.1	159.4	158.0	160.9	177.8	163.9	
PRESTON TO IDAHO-UTAH ST. LINE																																
CUB RIVER PUMPS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

RECORDS FURNISHED BY WATERMASTER DISTRICT NO. 5-IDAHO.

PLATE NO. 73

DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS IN IDAHO

JUNE 1953	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
BORDER TO STEWART																																
MILLER	8.0	8.8	10	11	5.5	0	0	0	0	6.5	13	10	4.5	4.3	10	14	14	13	13	14	13	13	13	12	12	12	11	10	8.9	7.8		272.3
NUFFER	20	23	24	23	24	28	26	26	25	25	24	25	28	28	27	26	26	27	28	29	28	28	28	28	27	25	25	24	23	22		771
PACIFIC (SORENSEN)	12	13	11	9.6	9.8	10	11	10	10	15	18	17	17	16	16	15	12	9.1	8.8	9.0	8.7	8.6	8.5	8.1	7.7	7.2	6.8	6.4	6.2	6.0		323.5
LOID	0.1	0.6	1.5	5.0	6.7	9.4	10	10	10	9.8	9.4	8.8	9.0	8.6	8.3	8.0	7.8	7.6	7.2	7.4	7.1	7.1	7.0	6.4	5.8	5.1	4.5	4.2	2.0	0.6		195
PHELPS ESTATE	5.6	6.2	8.7	11	13	14	14	10	9.0	8.0	7.6	7.5	7.5	7.4	7.4	7.3	3.7	2.3	2.2	6.1	9.6	9.6	9.4	9.4	9.5	9.5	9.6	9.8	9.6	9.4		253.9
DINOLE IRRIGATION	20	21	22	24	25	26	30	38	40	39	39	38	38	38	39	37	35	35	35	36	37	38	38	38	37	37	36	36	35	36		1,023
REAM-CROCKETT	41	41	42	36	32	33	35	51	51	54	54	52	52	52	51	56	60	60	59	59	58	63	64	63	62	61	60	58	56	55		1,571
BLACK OTTER & FRO LEO	78	92	99	114	123	135	142	135	132	128	126	121	121	120	117	115	113	111	108	112	108	106	104	102	100	98	96	93	86	82		3,317
MONTPELIER-PRESTON	58	57	60	65	66	66	64	61	60	60	60	58	60	65	64	63	60	55	48	48	55	72	84	80	68	57	64	68	57	51		1,858
BENT-LOROCCO	0	4.0	6.8	14	20	26	31	28	26	24	23	20	22	20	18	18	16	15	14	15	12	10	9.0	7.2	6.2	7.0	6.2	4.4	3.3	3.0		429.1
PUGMIRE	5.1	5.1	5.1	5.0	5.0	5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.0	5.0	4.9	4.8	4.8	4.6	4.4	4.0	3.6	3.2	2.7	2.2	2.3	2.2		135
WEST FORK	62	98	124	114	119	151	142	147	144	141	138	144	151	152	148	148	151	147	141	144	138	135	147	142	139	139	133	127	105	96		4,157
TOTAL	309.8	369.7	414.1	491.6	509	503.4	542.1	521.1	512.1	515.4	517.1	506.4	515.1	516.4	510.8	512.4	503.5	487	469.1	484.3	479.2	496.9	516.3	500.1	477.8	462	454.8	443	396.3	369		14,301.8
BEAR R. BELOW STEWART DAM	5.4	6.0	6.4	9.2	11	13	14	14	14	14	14	14	13	12	12	12	12	13	13	14	13	12	13	14	14	14	14	14	14	13		369
RAINBOW INLET CANAL	19	18	20	26	105	197	298	290	278	257	238	215	184	171	156	152	138	128	124	126	121	105	65	56	53	53	46	41	29	26		3,735
TOTAL	24.4	24.0	26.4	35.2	116	208	312	304	292	271	252	229	197	183	168	164	150	141	137	140	134	117	78	70	67	67	60	55	43	39		4,104
STEWART DAM TO ALEXANDER																																
BUDGE	0	0	0	0	0	0	0	10	10	13	15	15	14	26	38	38	37	34	30	28	28	34	27	22	23	23	23	23	24	24		559
ALEXANDER TO ONEIDA																																
LAST CHANCE	241	242	223	211	210	210	210	204	150	256	278	278	278	278	278	279	278	278	278	278	278	280	283	286	284	285	285	288	289	235		7,731
BENCH "F"	119	119	122	121	122	122	123	123	153	164	164	161	161	162	164	165	167	168	164	164	165	169	167	169	171	170	166	161	172	137		4,580
TANNER "F"	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
ONEIDA VALLEY	65	55	51	59	55	50	47	46	51	67	79	73	75	79	77	75	75	75	75	74	75	75	77	76	76	69	70	70	72	67		2,030
TOTAL	425	416	396	391	387	382	380	373	354	487	521	512	514	519	519	519	520	521	517	516	517	524	527	531	531	524	521	525	533	439		14,341
ONEIDA TO PRESTON																																
TITUS COCHES PUMP											Total for month based on KWH (from meter reading) and pump rating.																					40
LOYAL WHITE PUMP											Total for month based on KWH (from meter reading) and pump rating.																					38
SMITH ROSEN	2.0	1.5	3.3	2.3	1.8	3.5	0	2.4	1.9	2.2	1.5	1.6	2.0	1.7	1.7	1.9	2.4	2.7	2.1	2.2	2.3	2.7	2.9	2.4	2.3	2.2	2.4	2.5	2.4	2.5		65.3
SMITH BROTHERS PUMP											Total for month based on KWH (from meter reading) and pump rating.																					13
RIVERDALE-PRESTON (UPPER)	3.5	0	0	0	0	0	0	0	3.6	3.8	3.0	3.1	3.3	3.2	3.2	3.5	3.8	3.6	3.3	3.4	3.4	3.5	3.7	3.5	3.0	3.0	2.8	2.7	2.5	2.0		74.4
RIVERDALE-PRESTON PUMP											Total for month based on KWH (from meter reading) and pump rating.																					134
NELSON	2.4	0	3.4	2.6	2.2	3.6	3.0	2.7	2.3	2.5	2.0	2.1	2.3	2.2	2.2	2.4	2.7	2.6	2.3	2.4	2.4	2.5	2.7	2.5	2.0	2.0	1.8	1.7	1.5	1.0		68
RIVERDALE	15	14	14	12	11	13	12	11	11	13	14	15	16	15	14	19	17	11	17	17	16	21	20	18	14	15	17	18	17	15		458
WEST CACHE	116	87	70	68	71	82	79	81	103	115	114	137	166	163	164	168	169	151	136	136	136	137	132	131	136	149	166	171	156	144		3,832
TOTAL	138.9	102.5	90.7	84.9	86	102.1	94	97.1	119.8	136.5	134.5	158.8	189.6	185.1	185.1	194.8	194.9	170.9	160.7	161	160.1	166.7	161.3	157.4	157.3	171.2	190	195.9	179.4	164.5		4,716.7
PRESTON TO IDAHO-UTAH ST. LINE																																
CUB RIVER PUMPS																								25	50	50	50	49	62	75		

PLATE NO. 74

RECORDS FURNISHED BY WATERMASTER DISTRICT NO. 5-IDAHO.

DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS IN IDAHO

JULY 1955	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
BORDER TO STEWART																																
MILLER	9.4	11	7.9	7.4	6.5	6.1	5.8	5.7	5.6	5.5	5.3	5.1	6.9	2.3	2.0	4.0	3.2	3.0	3.4	3.2	2.7	2.7	2.5	2.6	3.8	3.6	3.6	2.0	0	0	0	132.8
HUFFEN	24	24	22	20	19	19	18	17	16	16	15	14	16	16	15	14	13	12	12	12	12	11	10	12	12	12	12	12	12	11	11	460
PACIFIC (SORENSEN)	7.0	14	14	13	13	12	11	10	10	6.5	4.5	4.0	4.6	5.0	4.4	9.0	13	12	12	12	12	12	11	11	11	11	11	10	10	10	10	310
LOYD	1.8	4.6	4.2	1.6	0.4	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12.8
PHELPS ESTATE	7.0	7.9	7.1	6.0	5.6	2.7	2.6	2.4	3.5	4.5	4.0	3.0	4.2	3.5	3.0	3.0	2.9	2.9	3.0	2.9	2.7	2.7	2.6	2.6	3.0	3.0	3.0	3.0	3.0	2.9	2.9	113.1
DINDLE IRRIGATION	37	40	39	37	36	36	35	34	34	34	33	33	40	39	39	39	41	42	42	43	40	39	40	41	44	45	42	37	33	38	37	1,189
SEAM-CROCKETT	54	56	54	52	52	52	51	51	50	49	48	46	47	47	47	46	45	44	44	44	49	48	48	48	50	51	44	22	23	34	45	1,141
BLACK OTTER & PEG LEG	84	94	90	81	76	72	67	61	57	56	54	47	51	52	52	46	43	42	42	42	29	21	21	21	22	23	23	24	25	24	22	1,464
MONTPELIER-PRESTON	56	65	45	51	51	48	44	39	35	35	34	31	30	33	31	28	25	26	34	33	34	34	34	30	39	43	44	26	40	38	38	1,180
KENT-LOMOCCO	2.8	4.7	9.6	6.2	2.3	4.2	4.1	3.3	9.6	14	14	11	9.8	14	11	16	14	15	11	13	13	14	14	13	17	18	17	21	20	15	11	362.4
PUMPING	2.2	3.0	3.0	3.0	2.6	2.6	2.8	3.0	3.2	3.2	3.2	3.1	3.1	3.3	3.2	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.8	2.8	2.8	2.8	91.6
WEST FORK	86	100	120	96	63	25	8.6	8.1	7.5	6.9	6.4	5.9	5.7	5.4	5.0	4.2	3.4	3.0	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.8	595.5
TOTAL	371.2	424.2	415.8	376.2	327.4	279.8	249.9	234.5	231.6	230.6	221.4	203.1	218.1	220.5	212.6	212.3	206.5	204.9	209.2	210.9	199.2	190.2	188.8	186.9	207.5	215.2	205.2	180.5	157.4	180.3	182.5	7,352.2
BEAR R. BELOW STEWART DAM	13	13	14	14	13	16	18	19	19	19	18	17	17	17	17	15	14	14	12	10	8.5	6.8	6.0	6.3	6.4	7.1	9.2	12	19	21	20	431.3
RAINBOW INLET CANAL	24	27	39	34	26	52	67	65	60	48	46	43	38	34	44	81	63	53	50	50	48	38	32	30	29	29	29	29	55	60	39	1,361
TOTAL	37	40	53	48	39	67	85	84	79	67	64	60	55	51	61	96	77	67	62	60	56.5	44.8	38.0	36.3	35.4	36.1	38.2	41	74	81	59	1,792.3
STEWART DAM TO ALEXANDER																																
RIDGE	25	27	30	30	30	29	30	30	31	32	32	30	29	12	0	0	0	0	0	0	0	10	12	12	13	13	12	12	12	12	12	517
ALEXANDER TO ONEIDA																																
LAST CHANCE	203	202	204	209	228	233	238	239	240	239	219	212	219	228	222	229	242	260	274	274	277	270	279	264	262	281	299	266	258	267	263	7,620
BENCH "B"	119	119	117	116	116	116	118	118	115	115	101	90	90	88	89	87	88	89	90	89	90	92	90	90	90	90	91	92	91	91	90	3,067
TAYLOR "B"	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENTILE VALLEY	71	63	63	64	63	64	63	64	65	43	11	51	63	63	61	62	61	61	50	45	50	53	53	55	55	54	54	55	56	56	56	1,748
TOTAL	393	384	384	389	407	413	419	421	420	397	331	353	372	379	372	378	391	410	414	408	417	415	422	429	407	425	444	413	405	414	409	12,435
ONEIDA TO PRESTON																																
TITUS COOMBS PUMP											Total for month based on KWH (from meter reading) and pump rating.																				49
LOYAL WHITE PUMP											Total for month based on KWH (from meter reading) and pump rating.																				38
SMITH MOSER	3.1	3.3	3.1	3.7	2.7	2.7	2.4	2.4	3.7	3.4	3.4	3.2	3.2	3.2	3.2	3.7	2.9	2.8	3.4	3.2	2.8	1.6	3.9	3.2	3.6	3.2	3.5	3.6	3.6	3.7	3.5	100.9
SMITH BROTHERS PUMP											Total for month based on KWH (from meter reading) and pump rating.																				33
RIVERDALE-PRESTON (UPPER)	2.2	2.0	1.9	2.0	2.0	1.9	2.0	3.7	4.5	4.4	0	0	0	0	0	0	0	3.9	4.6	4.3	4.0	4.5	4.9	4.3	4.5	3.8	4.1	4.2	2.2	0	0	75.9
RIVERDALE-PRESTON PUMP											Total for month based on KWH (from meter reading) and pump rating.																				183
NELSON	1.2	1.0	0.9	1.0	0.6	0.5	0	2.7	3.7	3.6	3.5	3.4	3.3	3.4	3.3	3.7	3.1	2.9	3.6	3.3	3.0	3.5	3.9	3.3	3.7	3.3	3.6	3.7	3.6	3.7	3.6	87.6
RIVERDALE	17	19	17	20	16	6.4	12	14	21	21	22	19	18	14	21	20	14	20	19	18	15	17	20	17	19	18	14	4.0	14	17	17	520.4
WEST CACHE	148	141	131	157	142	144	153	150	159	159	162	150	156	158	175	117	117	169	170	165	166	171	170	160	152	150	156	158	156	158	156	4,776
TOTAL	171.5	166.3	153.9	183.7	163.3	155.5	169.4	172.8	191.9	191.4	190.9	175.6	180.5	178.6	202.5	144.4	137	199.6	200.6	193.8	190.8	199.6	202.7	187.8	182.8	178.3	181.2	173.5	179.4	182.4	180.1	5,863.8
PRESTON TO IDAHO-UTAH ST.LINE																																
CUB RIVER PUMPS	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	2,325

RECORDS FURNISHED BY WATERMASTER DISTRICT NO. 5-IDAHO.

PLATE NO. 75

DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS IN IDAHO

AUG. 1955	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
BORDER TO STEWART																																
MILLER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.4	5.5	5.5	5.5	5.3	5.2	5.2	5.1	5.1	5.0	5.1	5.2	4.9	5.2	4.9	4.6	4.5	83.2
HUFFER	11	10	10	10	11	10	11	10	10	9.3	6.8	6.4	6.8	6.6	6.0	5.4	5.4	4.4	4.0	5.1	8.8	9.0	9.0	8.8	8.8	9.0	9.2	9.3	9.2	9.0	9.0	258.3
PACIFIC (SORENSEN)	7.0	5.6	5.4	5.5	5.0	5.0	5.4	2.0	2.0	2.0	2.2	2.1	2.0	2.0	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.0	1.1	1.4	1.3	1.3	1.2	1.1	1.1	79.0
LOYD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PHELPS ESTATE	2.8	2.8	1.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.0
DINGLE IRRIGATION	37	37	36	36	36	36	36	36	36	18	0	0	0	12	37	36	37	36	37	37	37	34	33	33	27	24	24	24	24	24	24	902
SHAW-CROCKETT	45	34	0	0	0	0	0	0	0	0	0	0	36	16	9.2	9.2	8.8	8.8	8.4	8.4	8.4	8.0	8.0	8.0	7.7	7.7	7.7	7.7	7.4	7.4	7.4	269.2
BLACK OTTER & PEG LEG	22	22	24	24	24	24	25	24	24	25	26	26	25	25	24	24	24	24	23	23	24	24	24	23	23	24	24	24	24	24	23	743
MONTPELIER-PRESTON	27	29	26	27	26	21	24	22	17	17	17	19	18	19	18	18	18	18	18	16	16	15	15	14	14	14	14	14	14	14	13	578
KENT-LOROCCO	14	14	4.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32.5
PURMINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WEST FORK	3.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	4.5	7.1	9.0	9.0	7.9	6.7	5.7	4.6	3.5	2.5	2.6	2.9	2.8	2.8	2.8	2.8	2.8	2.7	126
TOTAL	168.8	157.6	112.5	107.7	107.2	101.2	106.6	99.2	94.2	74.5	57.2	56.7	90.9	85.1	106.6	110.9	109.5	108.4	104.2	102.2	105.8	100.4	98.4	95.4	89.6	88.1	87.9	88.3	87.5	86.9	84.7	3,074.2
BEAR R. BELOW STEWART DAM	19	19	21	23	24	24	23	25	26	25	27	28	27	27	27	27	27	26	26	25	25	25	24	24	23	23	25	26	26	25	25	767
RAINBOW INLET CANAL	43	44	60	80	87	94	111	126	113	107	128	134	124	121	121	115	105	102	96	94	89	80	81	80	80	85	85	76	72	69	67	2,867
TOTAL	62	63	81	103	111	118	134	151	139	132	155	162	151	148	148	142	132	128	122	119	114	105	105	104	103	108	110	100	98	94	92	3,634
STEWART DAM TO ALEXANDER																																
BUDGE	12	10	12	14	15	15	15	15	14	12	12	12	12	11	10	0	0	0	0	0	0	0	0	10	12	12	11	10	10	10	10	276
ALEXANDER TO ONEIDA																																
LAST CHANCE	255	236	235	233	230	225	216	208	209	209	208	236	232	214	197	183	173	160	215	237	214	200	196	192	186	180	178	176	158	150	150	6,291
BENCH "B"	93	92	92	91	92	90	91	90	90	90	93	93	93	93	93	93	93	95	92	91	92	92	94	95	96	95	95	94	39	19	18	2,669
TANNER "B"	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CENTILE VALLEY	56	56	56	56	56	56	56	55	57	56	58	59	60	58	59	60	60	58	59	58	58	59	55	58	62	56	59	55	55	58	54	1,778
TOTAL	404	384	383	380	378	371	363	353	356	355	359	388	385	365	349	336	326	313	366	386	364	351	345	345	344	331	332	325	252	227	222	10,738
ONEIDA TO PRESTON																																
TITUS COCHES PUMP											Total for month based on KWH (from meter reading) and pump rating.																				31
LOYAL WHITE PUMP											Total for month based on KWH (from meter reading) and pump rating.																				49
SMITH BROS	3.6	3.0	3.6	3.5	3.3	3.4	2.7	3.4	3.4	3.3	2.8	2.6	2.4	0	2.9	2.7	2.5	2.1	2.7	2.4	2.1	2.7	2.8	2.6	3.1	2.7	2.8	2.5	3.3	3.3	3.1	87.3
SMITH BROTHERS PUMP											Total for month based on KWH (from meter reading) and pump rating.																				18
RIVERDALE-PRESTON (UPPER)	0	0	0	0	2.0	3.9	3.4	4.0	4.0	1.6	0	0	0	0	0	0	0	0	0	0	2.0	3.4	3.5	3.4	3.7	3.4	3.5	3.2	3.9	3.9	3.7	56.5
RIVERDALE-PRESTON PUMP											Total for month based on KWH (from meter reading) and pump rating.																				152
NELSON	3.5	3.1	3.6	3.6	3.4	3.4	2.9	3.5	3.5	3.4	3.0	2.8	2.8	2.4	3.1	2.9	2.7	2.4	2.9	2.4	2.4	2.9	3.0	2.9	3.2	2.9	3.0	2.7	3.4	3.4	3.2	94.3
RIVERDALE	17	15	16	17	16	17	12	12	13	13	11	11	11	8.4	8.8	8.8	6.6	6.8	7.2	8.4	9.6	11	9.6	9.2	9.8	9.8	11	11	13	14	14	358
WEST CACHE	157	152	159	157	156	158	139	124	123	123	108	84	83	83	84	83	80	83	82	81	101	122	141	144	133	132	139	146	142	141	131	3,769
TOTAL	181.1	173.1	182.2	181.1	180.7	185.7	160	146.9	144.9	144.3	124.8	100.4	99.2	93.8	98.8	97.4	91.8	94.3	94.8	94.2	117.1	142	159.9	162.1	150.8	150.8	159.3	165.4	165.6	165.6	155	4,615.1
PRESTON TO IDAHO-UTAH ST.LINE																																
CUB RIVER PUMPS	75	75	75	75	75	75	68	90	90	90	57	60	23	0	0	0	0	16	25	25	31	90	90	90	90	90	90	90	65	75	75	1,479

PLATE NO. 76

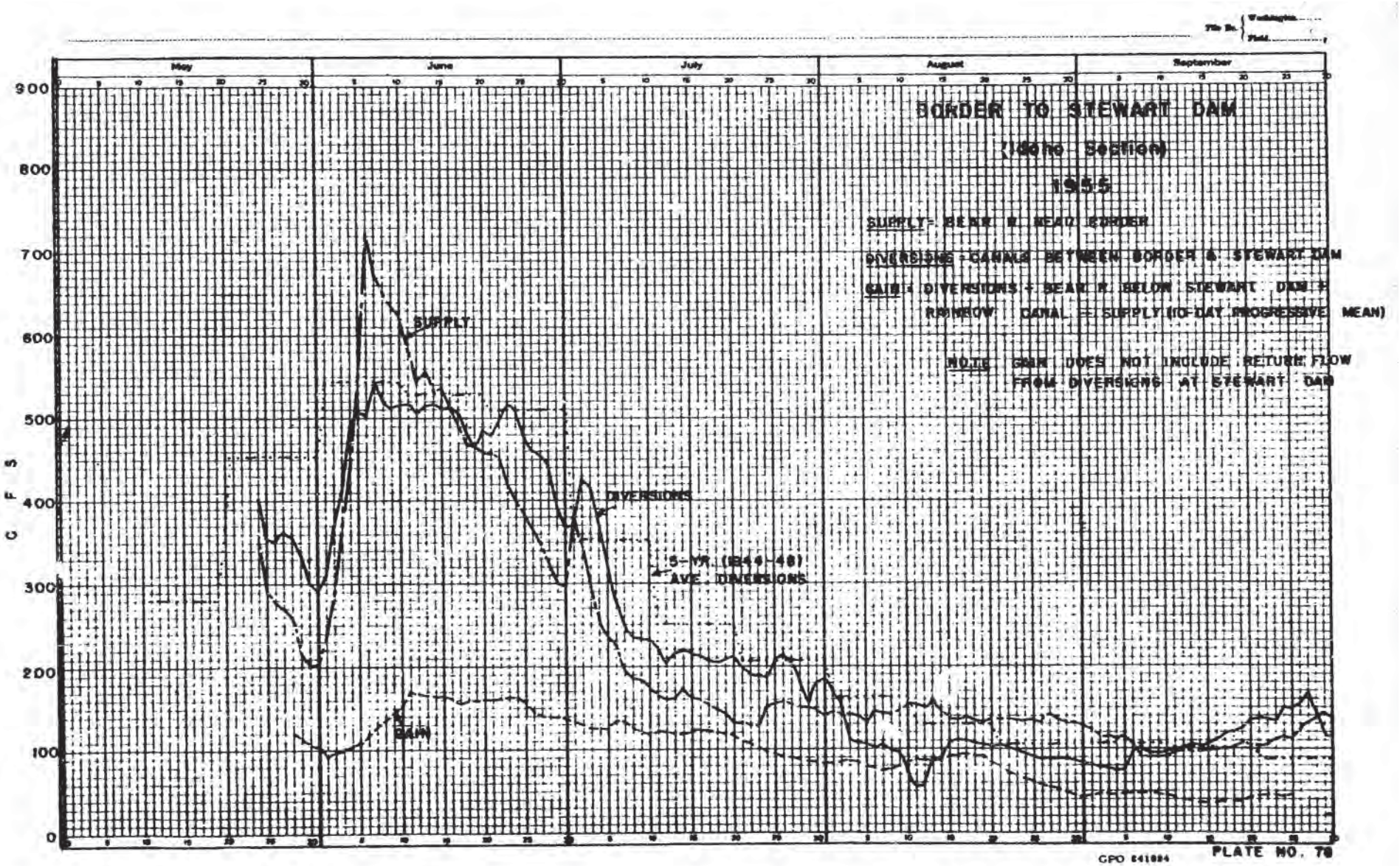
RECORDS FURNISHED BY WATERMASTER DISTRICT NO. 5-IDAHO.

DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS IN IDAHO

SEPT. 1955	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
BOUNDARY TO STEWART																																
MILLER	4.2	3.8	3.4	3.3	3.6	4.9	3.4	1.9	1.9	1.7	1.6	1.8	1.8	1.9	1.9	2.0	2.0	1.9	2.0	2.7	2.1	1.9	1.8	1.0	0	0	0	0	0	0		58.5
HUFFER	8.8	8.2	8.1	8.1	9.2	8.8	7.5	6.8	6.6	6.6	6.8	7.5	7.5	7.4	7.4	7.5	7.5	7.6	8.6	8.8	8.6	8.6	8.4	8.7	6.4	5.8	6.0	5.7	5.6	5.7		224.8
PACIFIC (SORENSEN)	1.1	1.1	1.0	1.0	3.2	4.0	3.4	3.0	3.0	2.1	0	0	0	0	0	0	0	0	0	2.0	3.0	2.8	2.8	3.2	3.6	3.8	4.0	4.5	4.0	4.5		61.1
LOYD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0	1.8	1.9	2.0	2.1	2.0	2.1		12.9
PHELPS ESTATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.0	7.6	7.6	7.5	7.5	7.6	7.6	7.6	7.8	7.9	7.8	7.9		88.4
DIBOLE IRRIGATION	24	23	23	23	23	21	20	19	19	18	18	17	18	17	17	17	23	27	28	31	30	30	30	30	11	2.5	2.0	2.0	2.6	4.8		570.9
NEAR-CROCKETT	7.4	7.7	7.7	7.4	7.4	30	48	48	48	48	48	48	48	37	33	34	33	33	33	33	33	34	34	34	34	35	35	31	6.2	5.9		923.7
BLACK OTTER & PEG LEG	20	19	19	18	18	18	16	14	14	14	17	20	22	25	27	27	27	25	25	27	26	25	25	27	39	47	52	48	55	56		812
HOWYPELIER-PRESTON	12	13	12	11	10	9.4	4.6	3.9	3.7	7.7	9.9	7.2	8.2	9.9	12	12	13	12	10	11	12	10	9.9	22	28	32	36	13	13	13		381.4
KENT-LOROCCO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
PUEBLIE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
WEST FORK	2.5	2.4	2.3	2.1	2.0	1.9	0	0	0	0	0	0	0	5.0	6.8	12	12	13	13	12	14	15	14	15	18	20	24	31	20	16		276
TOTAL	80	78.2	76.5	73.5	76.4	98	102.9	96.6	96.2	98.1	101.3	101.5	105.5	103.2	107.1	111.5	117.5	119.5	123.6	135.1	136.3	134.8	133.4	149.5	149.4	155.6	168.8	165.2	116.2	115.9		3,607.7
BEAR R. BELOW STEWART DAM	25	25	23	23	23	23	22	20	18	14	10	6.0	6.0	2.5	2.6	2.9	3.1	3.3	3.1	3.1	3.1	3.1	3.3	3.1	3.1	3.1	3.1	5.1	6.8	8.5		300.9
RAINBOW INLET CANAL	60	50	48	50	50	51	41	31	27	26	31	22	27	22	11	14	14	16	16	16	16	10	8	8	14	16	18	29	43	67		852
TOTAL	85	75	71	73	73	74	63	51	45	40	41	28.0	33.0	24.5	13.6	16.9	17.1	19.3	19.1	19.1	19.3	13.1	11.3	11.1	17.1	19.1	21.1	34.1	49.8	75.5		1,152.9
STEWART DAM TO ALEXANDER																																
S. FORK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
ALEXANDER TO ONEIDA																																
LAST CHANCE	150	150	150	165	178	180	183	180	178	157	126	127	129	129	135	137	137	135	135	138	159	157	154	154	154	148	130	129	126	101		4,411
BENCH "B"	18	19	20	20	18	18	18	17	16	17	20	20	20	20	17	18	18	18	18	16	18	20	20	20	19	21	20	20	19	20		563
TANNER "B"	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
CRESTLE VALLEY	56	57	57	53	55	53	53	54	55	57	57	60	55	37	61	33	32	33	34	33	32	32	33	33	37	33	34	36	35	34		1,324
TOTAL	224	226	227	238	251	251	254	251	249	231	203	207	204	186	213	188	187	186	187	187	209	209	207	207	210	202	184	185	180	155		6,298
ONEIDA TO PRESTON																																
TITUS COOMBS PUMP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
LOYAL WHITE PUMP											Total for month based on KWH (from meter reading) and pump rating.																					24
SMITH BROS.	3.0	3.3	3.4	2.7	3.1	2.9	2.7	2.7	3.3	3.4	2.8	3.2	3.5	3.1	3.1	3.1	3.3		3.5	3.2	3.5	2.7	2.4	2.8	1.9	1.0	0	0	0	0		76.3
SMITH BROTHERS PUMP											Total for month based on KWH (from meter reading) and pump rating.																					22
RIVERDALE-PRESTON (UPPER)	3.7	3.9	4.0	3.4	3.7	3.6	3.4	3.4	3.9	3.9	3.4	3.8	4.1	3.7	3.0	0	0	0	0	0	2.5	3.4	3.1	3.5	3.4	3.2	3.4	3.0	3.4	3.0		86.8
RIVERDALE-PRESTON PUMP											Total for month based on KWH (from meter reading) and pump rating.																					138
NELSON	3.2	3.4	3.5	2.9	3.2	3.1	2.9	2.9	3.4	3.5	2.9	3.3	3.6	3.2	3.3	3.2	3.4	2.9	3.6	3.3	3.5	2.9	2.6	3.1	2.0	0	0	0	0	0		78.8
RIVERDALE	15	18	17	17	16	14	17	16	17	18	19	20	21	20	21	21	22	21	22	22	22	22	21	20	16	17	8.0	3.9	4.2	3.9		522
WEST CACHE	129	127	117	117	118	115	123	122	129	128	128	131	133	116	111	115	121	94	94	60	48	42	39	38	33	33	32	45	56	55		2,749
TOTAL	153.9	155.6	148.9	143	144	138.6	149	147	156.6	156.8	156.1	161.3	165.2	146	141.4	142.3	149.7	130.6	123.2	89.5	79.5	73	68.1	67.4	56.3	54.7	43.4	52.9	63.6	61.9		3,676.9
PRESTON TO IDAHO-UTAH ST. LINE																																
CUB RIVER PUMPS	75	75	75	75	75	75	75	75	75	75	75	75	64	50	50	50	38	25	25	25	25	25	25	25	25	0	0	0	0	0		1,352

PLATE NO. 77

RECORDS FURNISHED BY WATERMASTER DISTRICT NO. 5-IDAHO.


May
June
July
August
September
300
800
700
600
500
400
300
200
100
0
C F S
BORDER TO STEWART DAM
(Idaho Section)
1955
SUPPLY:- BEAR R. NEAR BORDER
DIVERSIONS:-CANALS BETWEEN BORDER & STEWART DAM
GAIN:- DIVERSIONS + BEAR R. BELOW STEWART DAM + RAINBOW CANAL = SUPPLY (10-DAY PROGRESSIVE MEAN)
NOTE: GAIN DOES NOT INCLUDE RETURN FLOW FROM DIVERSIONS AT STEWART DAM
SUPPLY
DIVERSIONS
5-YR. (1944-48) AVE. DIVERSIONS
GAIN
GPO 841884
PLATE NO. 78