UNITED STATES DEPARTMENT OF THE INTERIOR
Douglas McKay, Secretary

GEOLOGICAL SURVEY
W. E. Wrather, Director

BEAR RIVER HYDROMETRIC DATA

TRI-STATE INVESTIGATIONS

1954

by

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56-44

Prepared in cooperation with the

BUREAU OF RECLAMATION

And the States of

IDAHO, UTAH AND WYOMING

And Other Agencies

C O N T E N T S

C O N T E N T S

*Individual plates were made for many more canals in the 1949-52 series of reports. In this report records of those same canals appear with their appropriate groups by sections.

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 the 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 execution of this program requires the collection of continuous records of stream flow 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 near Randolph, Utah gaging station, and on canals diverting from Smiths Fork. Patterns of stream flow 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 stream flow records only and are therefore in much less detail than those for 1944-48, 1953, and 1954.

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 than 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 and Smiths Fork were collected. These records furnished valuable information for subsequent studies which were required to complete final compact negotiations.

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 on the 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 latter being more than a 60-year record 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 has been controlled at 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 prior to 1924. These were years of abnormally high runoff as shown by the Collinston record. This lead to an over appropriation of the waters of the river and is the principal cause of the problems now confronting the water users. The Compact Commission agreed that the 25 years following 1924 (1924-48) would be a representative period for use in Compact studies of supplies and supplemental storage requirements.

Tables on pages 5 and 6 show monthly and annual runoff for the Evanston and Harer gaging stations with computed averages for the 31-year period Oct. 1, 1923 to Sept. 30, 1954.

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	58,230	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	191,600
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	69,320	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
Average	2,730	2,560	2,380	2,290	2,490	7,610	25,210	48,930	41,190	6,280	2,060	1,330	151,100

* 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	69,300	32,800	18,100	,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 ,000	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
Average	14,830	14,540	12,330	11,380	11,600	25,710	54,920	76,080	61,310	25,320	13,510	11,100	332,600

The following tables show monthly average flows in c.f.s., and precipitation in inches at the Evanston and Harer stations for the 1954 irrigation season and water year, as compared to like periods in the 1924 to 1954 (water year) period of record.

BEAR RIVER NEAR EVANSTON, WYOMING

Period	Discharge in c.f.s. (Monthly and Period Averages) Water Years 1924 to 1954 Maximum Average Disch.	Minimum Average Disch.	Average Disch.	1954 Average Disch.	1954 Percent of Average	Precipitation * 1924-54 Average Inches	1954 Inches	1954 Percent of Average
April	889	149	424	261	62	1.05	.37	35
May	1,770	188	796	492	62	1.21	.93	77
June	1,445	4	692	145	21	1.04	.85	82
July	281	0	102	7.8	8	0.86	1.10	128
Aug.	148	0	34	.3	1	1.04	.68	65
Sept.	124	0	22	0	0	0.77	.26	34
Apr.-Sept.	739	63	344	151	44	5.98	4.19	70
Water-Year	420	51	209	105	50	11.47	8.21	72

* Precipitation at Evanston, Wyoming

BEAR RIVER AT HARER, IDAHO

Period	Discharge in c.f.s. (Monthly and Period Averages) Water Years 1924 to 1954 Maximum Average Disch.	Minimum Average Disch.	Average Disch.	1954 Average Disch.	1954 Percent of Average	Precipitation ** 1924-54 Average Inches	1954 Inches	1954 Percent of Average
April	2,190	99	923	475	51	1.09	.27	25
May	3,665	46	1,237	525	42	1.23	.74	60
June	2,973	48	1,030	296	29	1.12	1.14	102
July	965	39	412	199	48	0.83	.66	80
Aug.	410	36	220	129	59	0.93	.56	60
Sept.	367	47	187	96	51	0.86	.64	74
Apr.-Sept.	1,442	52	667	287	43	6.03	4.01	67
Water-Year	887	108	459	257	56	12.13	9.27	76

** 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, 1954. The Hydrometric Data reports, 1944 to 1954 and Water Supply Paper 980 contain all data collected during the period of the investigation. Descriptions giving location of gaging stations and other pertinent facts appear in 1946-49 reports only. Location of gaging stations on canals is not given except in a few cases. A complete index of all gaging stations operated in Bear River Basin as of Sept. 30, 1948 appears in the 1948 report. Footnotes to period of record show publication or source where the detailed information may be found. Points of diversion of all canals are shown on the basin map folded in the back of Hydrometric Data reports prior to 1946. The location of gaging stations on all streams are also plotted on the map. The map has not been reproduced for inclusion in reports since 194..

In general, all principal stream flow 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 some local condition precluded its location there. 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.

In this report and that for 1953 some sections of the basin vary slightly from previous reports to more nearly conform to Bear River Compact Sections. The table on page 9 shows a summary of monthly diversions in acre-feet grouped by 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 summarize completely all main stem diversions.

Monthly Diversions in Acre-feet

Bear River and Smiths Fork Canals

	Month					Total
	May	June	July	Aug.	Sept.	(June-Sept.)
UPPER DIVISION						
Upper Utah (Hovarka Canal)		531	194	70	0	795
Upper Wyoming						
To Hilliard Flat		4,741	4,562	1,399	1,115	11,817
State line to Myers Narrows		6,053	3,148	1,463	1,098	11,762
Myers Narrows to State line near Woodruff		22,614	3,809	288	307	27,018
Total		33,408	11,519	3,150	2,520	50,597
Lower Utah (Woodruff-Randolph)		10,001	3,594	1,936	1,544	17,075
Lower Wyoming (B. O. Dam to Pixley Dam)		4,033	894	264	375	5,566
CENTRAL DIVISION						
Wyoming (Pixley Dam to Border)						
Bear River Canals		9,529	8,108	1,197	2,121	20,955
Smiths Fork Canals		24,158	17,390	12,293	9,199	63,040
Total		33,687	25,498	13,490	11,320	83,995
Idaho (Border to Stewart Dam)		19,665	12,766	7,732	6,724	46,887
LOWER DIVISION						
Idaho						
Stewart Dam to Alexander		1,190	615	298	357	2,460
Alexander to Oneida	20,354	22,681	24,440	14,703	10,227	72,051*
Oneida to Preston		10,038	11,575	10,191	6,923	38,727
Preston to Idaho-Utah State line (Cub River Pumps)		2,590	4,469	4,612	3,160	14,831
Total		36,499	41,099	29,804	20,667	128,069
Utah**						(May-Sept.)
West Side Canal	38,270	34,550	39,030	39,240	25,910	177,000
Hammond (East Side) Canal	9,050	8,810	9,680	9,560	6,200	43,300
Total	47,320	43,360	48,710	48,800	32,110	220,300

*Excludes 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)

In former reports two sections were used. One from State line above Evanston to Myers narrows and the other from Myers narrows to Woodruff narrows. Myers narrows is a natural division from the standpoint of potential storage possibilities. (See Bear River Compact Commission reports 18, 19 and 27).

Plates 54, 55 show the record of canals above Myers narrows as for 1953. Plates 56-59, "...Canals from Myers Narrows to State Line near Woodruff," include Francis Lee and Bear River canals in accordance with Compact Sections. Francis Lee and Bear River canals in previous reports were grouped with Utah canals and the plates were titled "from Myers narrows to Woodruff narrows." Plates 56-59 show two totals, one for the group of canals listed and another for all of Wyoming diversions above State line near Woodruff. The latter being the total Upper Wyoming Section diversions in the Upper Division as defined by the Compact. Plate 60 is a hydrograph of Supplies, Diversions and Gain in this Section. No time interval was used in plotting hydrographs for this report. A single hydrograph for this Section conforms to Compact requirements. The large number of diversions required two plates and Myers narrows is the most logical division point. Comparable figures to those of previous years are thereby readily available for diversions above Myers narrows on plates 54 and 55, if desired. Also plotted on plate 60 are 10-day average diversions for the 4-year period (1944-47). The gain hydrograph represents natural gain or loss plus return flow from water applied. Mill Creek, as shown in Supply and Gain computations, is measured above diversions. Therefore, actual Supply to Bear River will be slightly less and actual Gain slightly more than shown.

It is evident from Plate 60 that Gain follows very closely the

diversion pattern in this Section. Except for a single 5-day period, June 15-20, 1954, diversions were considerably below the 4-year (1944-47) average. Gain for the period June 1 to September 30 is equal to 48% of the diversions. This is somewhat low compared to downstream sections and reflects the loss to the system of the water diverted to Hilliard Flat.

STATE LINE NEAR WOODRUFF TO PIXLEY DAM

(Lower Utah Section of Upper Division)

This section comprises that part of the basin in Utah between the State line near Woodruff and State line near Randolph gaging station, 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. Regular 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 61, 62 show daily discharge in cubic feet per second of canals diverting from Bear River during the period June 1 to Sept. 30. Plate 63 is a hydrograph showing Supply, Diversions and Gain in this section. 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.

Two facts are readily evident from this hydrograph, first is the abnormally low supply and second is that the seasonal ratio of gain to total diversion of 105% is relatively high. This ratio reflects the magnitude of natural gain in the section from sources other than return flow from irrigation. The ratio is nearly constant and well defined except for the combination of storm and regulation increase the last week of June. Return flow from irrigation is directly proportional to diversions and 1954 indicates clearly that the water returning to the river from this source is in the minimum range. Total diversions during June and July (principal growing season) were only 24 and 33 percent respectively of the 4-year (1944-47) average diversion.

STATE LINE NEAR WOODRUFF TO PIXLEY DAM (CONT.)

(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; B. Q. Dam canals and Pixley Dam Canal. 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% of land irrigated from Twin Creek. (See Plate 34). During the irrigation season the entire flow of Twin Creek is generally diverted for irrigation.

Plate 61 and 62 show daily discharge in cubic feet per second of canals diverting from Bear River during the period June 1 to Sept. 30. 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 surface return to the river.

Plate 64 is a hydrograph showing Supply, Diversions and Gain. The Supply in this Section is the flow passing Bear River near Randolph gaging station for all practical purposes. Outflow from the Section used in computing Gain is the flow passing Bear River below Pixley gaging station. Return flows from the diversions at Pixley Dam are, therefore, excluded from the computed Gain.

The deficient growing season supply is very pronounced in this section; whereas, the supply is near normal after July 5. The 5-year (1944-48) average diversion graph clearly indicates that the canals are usually cut off voluntarily near July 5, to dry the land for cutting hay. June 1 to September 30 diversions in 1954 were only 31% of 1953, and 42% of 5-year (1944-48) average. A natural gain of about 15 cfs has been determined for this section. This base flow natural gain stage occurred about June 25, and only slight improvement was indicated prior to that date because of inadequate supply.

PIXLEY DAM TO BORDER

(Wyoming Section of Central Division)

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

Plates 65-58 show daily discharge in cubic feet per second of canals diverting from Bear River and Smiths Fork. Measured supply to Smiths Fork basin is shown. Plate 69 shows the daily net inflow in cubic feet per second of Smiths Fork to Bear River. The arrangement on these plates differs from previous reports. Bear River diversions are listed with those for Smiths Fork so that all diversions in the Section are on the same plate. To do this it was necessary to list the daily inflow of Smiths Fork to Bear River on a separate plate. Daily inflow to Bear River is of value in analysis of return flow from water applied in Smiths Fork drainage.

The measured supply as tabulated does not include the small westside tributaries of Smiths Fork, but does include the principal eastside tributary supply, and supplies arising from springs in the lower part of Pine Creek drainage. The net flow of Smiths Fork to Bear River, or outflow, was measured by deducting Bear River above Sublette Creek from the sum of Bear River below Smiths Fork, Garrett Canal (Bear River), and Garrett Spring to Bear River.

Plate 70 shows hydrographs of Supply, Diversions and Gain for the entire section from Pixley Dam to Border including Smiths Fork. Cook Canal was included as a Wyoming diversion in this Section. In 1953 it was treated as an Idaho diversion, also as a supply to the Idaho Section below Border. Return flow from Wyoming land under the Cook Canal would reach Bear River in Idaho below the Border gaging station. It is noted that the total gain follows closely the pattern of diversions and is equal to 67% of the diversions for the period June 1 to Sept. 30. As in 1953 the diversions were somewhat in excess of the 5-year (1944-48) average, amounting to 122% of the latter for the period 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 71-75 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 Mr. Russell D. Stoker, Watermaster, District No. 5, Idaho. These records of diversion have been furnished annually throughout the investigation by the Watermaster, District No. 5.

Plate 76 is a hydrograph showing Supply, Diversion and Gain for the section between Border to Stewart Dam. For comparative purposes the 5-year (1944-43) average diversions are also plotted (10-day means). During the important part of the irrigation season diversions were only about 63% of the 5-year (1944-48) average. Gains in this section are not too significant as they do not include return flow from West Fork Canal diverting at Stewart Dam, nor return flow from upstream diversions fluming across Rainbow inlet canal.

Canals from Stewart Dam to State line near Preston are in the Lower Division, for which there are no studies nor graphs.

MISCELLANEOUS DISCHARGE MEASUREMENTS

Miscellaneous discharge measurements were made in Bear River Basin during the water year October 1953 to September 1954 as follows:

MAIN STEM, TRIBUTARIES AND CANALS IN DOWNSTREAM ORDER

Date	Stream	Tributary to or Diverting from	Locality	Discharge (cfs)
June 18	Birch Creek	Woodruff Creek	NE¼ sec. 24, T. 9 N., R. 5 E., 1 mile upstream from Birch Creek Dam, 1½ miles upstream from Allen Creek, and 8½ miles southwest of Woodruff, Utah.	3.8
May 7	Kennedy Ditch	Big Creek	NE¼NE¼ sec. 11, T. 10 N., R. 6 E., 3½ miles southwest of Randolph, Utah	8.4
May 27	. . .do.	.do.	.do.	8.8
July 6	. . .do.	.do.	.do.	4.9
May 7	Big Ditch	Big Creek	NW¼SE¼ sec. 1, T. 10 N., R. 6 E., 3 miles southwest of Randolph, Utah.	12.7
May 27	. . .do.	.do.	.do.	12.6
July 6	. . .do.	.do.	.do.	9.5
May 7	Spring Hollow	Randolph Creek	E½ sec. 28, T. 11 N., R. 6 E., 4 miles west of Randolph Utah.	4.1
May 7	Randolph Creek	Bear River	SW¼ sec. 24, T. 11 N., R. 6 E., 600 ft below Randolph Dam (Randolph Creek) and 2¼ miles northwest of Randolph, Utah	7.4
May 27	. . .do.	.do.	.do.	5.4
July 6	. . .do.	.do.	.do.	5.3
May 7	Middle Creek	Randolph Creek	SW¼ sec. 24, T. 11 N., R. 6 E., 700 ft below Randolph Dam (Randolph Creek) and 2¼ miles northwest of Randolph, Utah	4.6
Oct. 28	South Fork Otter Creek	Otter Creek	SW¼ sec. 10, T. 11 N., R. 6 E., 1-3/4 miles upstream from Middle Fork Otter Creek and 4½ miles northwest of Randolph, Utah.	4.3
Nov. 17	. . .do.	.do.	.do.	4.6
Dec. 18	. . .do.	.do.	.do.	3.8
Feb. 15	. . .do.	.do.	.do.	4.1
Mar. 25	. . .do.	.do.	.do.	4.3
Apr. 14	. . .do.	.do.	.do.	4.7
Apr. 21	. . .do.	.do.	.do.	4.1
May 6	. . .do.	.do.	.do.	4.0
May 21	. . .do.	.do.	.do.	4.3

MISCELLANEOUS DISCHARGE MEASUREMENTS (Cont'd)

MAIN STEM, TRIBUTARIES AND CANALS IN DOWNSTREAM ORDER

Date	Stream	Tributary to or Diverting from	Locality	Discharge (cfs)
June 17	South Fork Otter Creek	Otter Creek	SW¼ sec. 10, T. 11 N., R. 6 E., 1-3/4 miles upstream from Middle Fork Otter Creek and 4½ miles northwest of Randolph, Utah.	4.2
July 13	. . .do.	.do.	.do.	4.1
July 28	. . .do.	.do.	.do.	3.8
Aug. 26	. . .do.	.do.	.do.	4.1
Sept. 27	. . .do.	.do.	.do.	4.0
Oct. 28	Middle Fork Otter Creek	Otter Creek	SW¼ sec. 3 T. 11 N., R. 6 E., 1½ miles upstream from South Fork Otter Creek and 5 miles northwest of Randolph, Utah	4.6
Nov. 17	. . .do.	.do.	.do.	4.4
Dec. 18	. . .do.	.do.	.do.	4.1
Feb. 15	. . .do.	.do.	.do.	4.6
Mar. 25	. . .do.	.do.	.do.	4.5
Apr. 14	. . .do.	.do.	.do.	3.4
Apr. 21	. . .do.	.do.	.do.	4.7
May 6	. . .do.	.do.	.do.	4.5
May 21	. . .do.	.do.	.do.	4.7
June 17	. . .do.	.do.	.do.	4.4
July 13	. . .do.	.do.	.do.	4.4
July 28	. . .do.	.do.	.do.	3.8
Aug. 26	. . .do.	.do.	.do.	3.9
Sept. 27	. . .do.	.do.	.do.	4.3
Oct. 28	North Fork Otter Creek	Otter Creek	NE¼ sec. 3, T. 11 N., R. 6 E., 2 miles upstream from mouth and 5¼ miles northwest of Randolph, Utah.	4.2
Nov. 17	. . .do.	.do.	.do.	3.8
Dec. 18	. . .do.	.do.	.do.	3.8
Feb. 15	. . .do.	.do.	.do.	3.6
Mar. 25	. . .do.	.do.	.do.	4.0
Apr. 14	. . .do.	.do.	.do.	4.0
Apr. 21	. . .do.	.do.	.do.	4.0
May 6	. . .do.	.do.	.do.	3.8
May 21	. . .do.	.do.	.do.	4.4
June 17	. . .do.	.do.	.do.	4.0
July 13	. . .do.	.do.	.do.	3.8
July 28	. . .do.	.do.	.do.	4.1
Aug. 26	. . .do.	.do.	.do.	4.2
Sept. 27	. . .do.	.do.	.do.	3.5
July 15	Twin Creek	Bear River	SE¼ sec. 4, T. 21 N., R. 118 W., three-quarters of a mile upstream from Rock Creek at Nuggett, Wyo.	0

MISCELLANEOUS DISCHARGE MEASUREMENTS (Cont'd)

MAIN STEM, TRIBUTARIES AND CANALS IN DOWNSTREAM ORDER

Date	Stream	Tributary to or Diverting from	Locality	Discharge (cfs)
June 10	Sucker Springs	Bear River	NW¼NE¼ sec. 26, T. 22 N., R. 120 W., 3/4 mile downstream from head and 15.5 miles south of Cokeville, Wyo.	1.0*
June 16	. . .do.	.do.	.do.	2.0*
June 23	. . .do.	.do.	.do.	1.1
July 7	. . .do.	.do.	.do.	1.0*
July 15	. . .do.	.do.	.do.	1.0*
Aug. 10	. . .do.	.do.	.do.	0
Aug. 24	. . .do.	.do.	.do.	0
July 13	Sublette Creek	Bear River	NE¼NE¼ sec. 29, T. 24 N., R. 119 W., at mouth and 3 miles south of Cokeville, Wyo.	2.0*
July 13	Second Spring above Collett Creek Branch Smiths Fork	Bear River	SW¼SE¼ sec. 8, T. 24 N., R. 119 W., 1 mile south of Cokeville, Wyo.	10.0
July 13	First Spring above Collett Creek Branch Smiths Fork	Bear River	.do.	8.8
July 13	Collett Creek Branch Smiths Fork	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.	23.3
July 13	Bear River	Great Salt Lake	SE¼NE¼ sec. 7, T. 24 N., R. 119 W., at road bridge 3/4 mile southwest of Cokeville, Wyo.	109
July 13	South Branch Smiths Fork	Bear River	NW¼SW¼ sec. 6, T. 24 N., R. 119 W., at mouth, 1¼ miles northwest of Cokeville, Wyo.	4.3
July 13	Smiths Fork	Bear River	SE¼NW¼ sec. 6, T. 24 N., R. 119 W., at mouth, 1¼ miles northwest of Cokeville, Wyo.	16.1
July 13	South Fork Ryan Creek (Branch Smiths Fork)	Bear River	NW¼NW¼ sec. 6, T. 24 N., R. 119 W., at mouth, 1-3/4 miles northwest of Cokeville, Wyo.	7.6
July 13	Ryan Creek (Branch Smiths Fork)	Bear River	NW¼NW¼ sec. 6, T. 24 N., R. 119 W., ¼ mile upstream from mouth, 1-3/4 miles northwest of Cokeville, Wyo.	7.7

*Field estimate

MISCELLANEOUS DISCHARGE MEASUREMENTS (Cont'd)

MAIN STEM, TRIBUTARIES AND CANALS IN DOWNSTREAM ORDER

Date	Stream	Tributary to or Diverting from	Locality	Discharge (cfs)
July 12	Dry Creek	Thomas Fork	SE¼ sec. 3 T. 12 S., R. 46 E., at road bridge 3 miles north of Geneva, Idaho.	2.0*
July 12	Spring Hollow	Thomas Fork	NE¼ sec. 10, T. 12 S., R. 46 E., at road bridge 3 miles north of Geneva, Idaho.	0
July 12	Geneva Canal	Thomas Fork	SW¼ sec. 11, T. 12 S., R. 46 E., 2½ miles north of Geneva, Idaho.	0
July 12	Taylor Canal. . . .do.		NW¼ sec. 14, T. 12 S., R. 46 E., 2 miles north of Geneva, Idaho.	0
July 12	Boehme Canal. . . .do.		NW¼ sec. 14, T. 12 S., R. 46 E., 2 miles north of Geneva, Idaho.	0
July 12	Blechert Canal. . .do.		SW¼ sec. 26, T. 12 S., R. 46 E., at road bridge 600 ft downstream from head and 1 mile southeast of Geneva, Idaho.	5.6
July 12	Preuss Creek. . . .do.		SE¼ sec. 9, T. 12 S., R. 46 E., at road bridge below diversions 2½ miles northwest of Geneva, Idaho.	1.0*
July 12	Northside Ditch	Preuss Creek	NW¼ sec. 10, T. 12 S., R. 46 E., at road bridge 1000 ft downstream from head and 2½ miles northwest of Geneva, Idaho.	0.6*
July 12	Southside Ditch . .do.		SE¼ sec. 9, T. 12 S., R. 46 E., 800 ft downstream from head and 2½ miles northwest of Geneva, Idaho.	1.7
July 12	Circle Canal	Thomas Fork	SE¼ sec. 10, T. 13 S., R. 46 E., at first road bridge downstream from head, 2½ miles northeast of Raymond, Idaho.	1.8
July 12	Gardner Canal . . .do.		SW¼ sec. 16, T. 13 S., R. 46 E., 1600 ft downstream from head, 1-3/4 miles northwest of Raymond, Idaho.	0
July 12	Hart Canal. . . . .do.		SW¼ sec. 27, T. 13 S., R. 46 E., at road bridge 1 mile southwest of Raymond, Idaho.	3.1

*Field estimate

MISCELLANEOUS DISCHARGE MEASUREMENTS (Cont'd)

MAIN STEM, TRIBUTARIES AND CANALS IN DOWNSTREAM ORDER

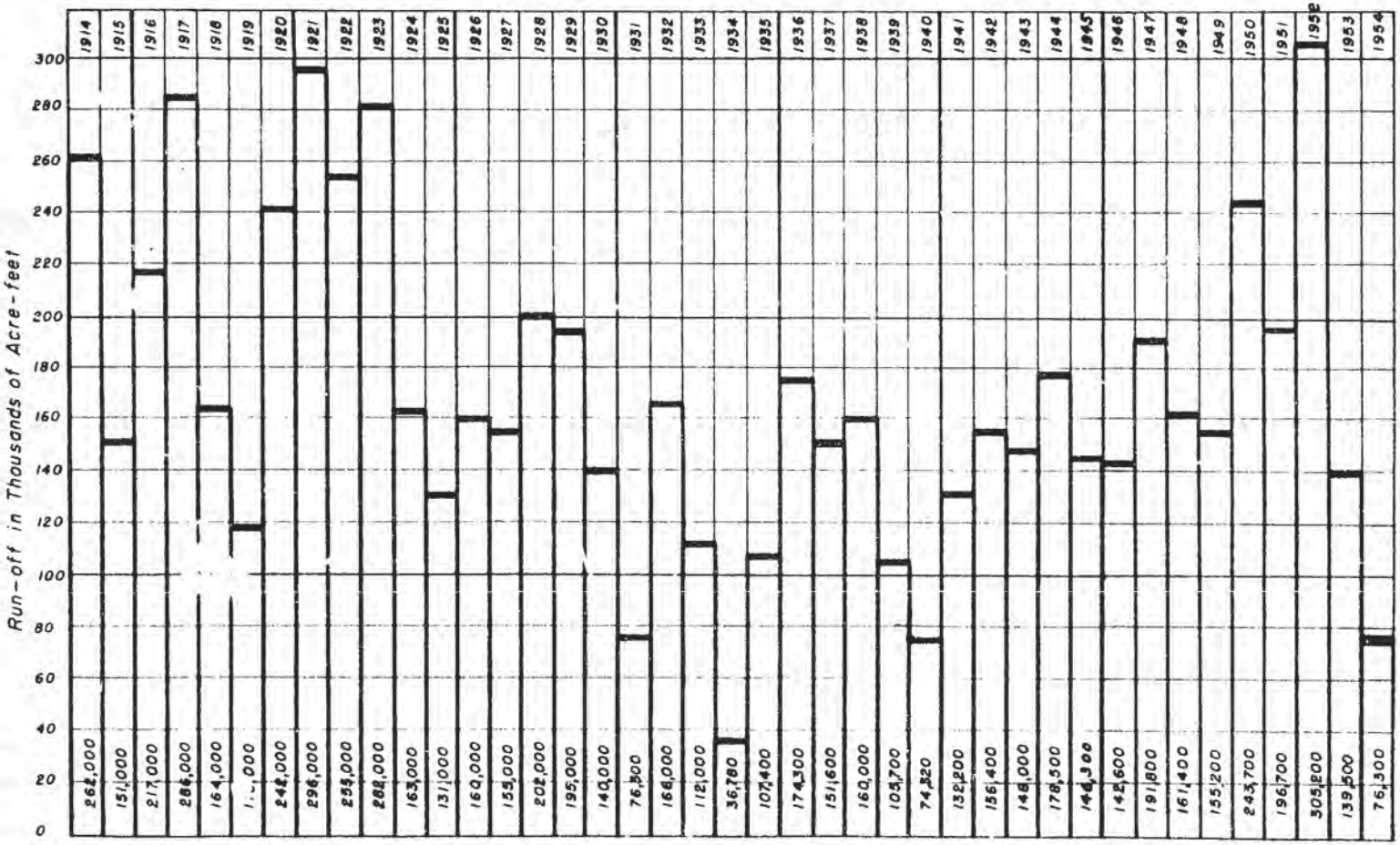
Date	Stream	Tributary to or Diverting from	Locality	Discharge (cfs)
July 12	Bagley Canal	Thomas Fork	SW¼ sec. 28, T. 13 S., R. 46 E., at road bridge 1-3/4 miles southwest of Raymond, Idaho.	7.0
July 12	Francis Canal	Raymond Creek	SW¼ sec. 1, T. 26 N., R. 120 W., in Wyo. at 3-way dividing weir, 1¼ miles southeast of Raymond, Idaho.	0.8
July 12	Etcheverry Canal	.do.	SW¼ sec. 1, T. 26 N., R. 120 W., in Wyo. at 3-way dividing weir, 1¼ miles southeast of Raymond, Idaho.	2.2
July 12	Jensen Bro's. Canal	.do.	SW¼ sec. 1, T. 26 N., R. 120 W., in Wyo. at 3-way dividing weir, 1¼ miles southeast of Raymond, Idaho.	1.8
July 12	Dalton Canal	Thomas Fork	NE¼SE¼ sec. 9, T. 14 S., R. 46 E., in Idaho, 50 ft downstream from head and 1½ miles northwest of Border, Wyo.	5.1
July 12	Thomas Fork	Bear River	NE¼SE¼ sec. 9, T. 14 S., R. 46 E., in Idaho, immediately downstream from Dalton Canal and 1½ miles northwest of Border, Wyo.	21.5
July 13	Dingle Irrigation Canal	.do.	SW¼NW¼ sec. 17, T. 14 S., R. 45 E., ¼ mile downstream from head and 2¼ miles southeast of Dingle, Idaho.	31.9
July 13	Ream-Crockett. Canal	.do.	NW¼NW¼ sec. 17, T. 14 S., R. 45 E., ½ mile downstream from head and 2¼ miles southeast of Dingle, Idaho.	45.2
July 13	Black Otter & Peg Leg Canal	.do.	NW¼SW¼ sec. 8, T. 14 S., R. 45 E., ½ mile downstream from head and 2 miles east of Dingle, Idaho.	46.7
July 13	Montpelier-Preston Canal	.do.	SE¼SW¼ sec. 6, T. 14 S., R. 45 E., 1 mile downstream from head and 1½ miles northeast of Dingle, Idaho.	48.3
July 13	Kent-Lorocco Canal	.do.	NW¼NE¼ sec. 2, T. 14 S., R. 44 E., ½ mile downstream from head and 1½ miles northwest of Dingle, Idaho.	16.6

MISCELLANEOUS DISCHARGE MEASUREMENTS (Cont'd)

MAIN STEM, TRIBUTARIES AND CANALS IN DOWNSTREAM ORDER

Date	Stream	Tributary to or Diverting from	Locality	Discharge (cfs)
July 23	North Extension of Last Chance Canal	Last Chance Canal	NW¼SW¼ sec. 31, T. 9 S., R. 41 E., 300 ft downstream from head and 1-3/4 miles northeast of Grace, Idaho	101
July 28	. . .do. . . . . .do. . . . . .do.			84.5
Sept. 30	Logan River	Little Bear River	SW¼NW¼ sec. 36, T. 12 N., R. 1 E., 350 ft downstream from State dam and 2¼ miles east of Logan, Utah.	101
Sept. 30	Loga. River. . . .do.		NE¼NW¼ sec. 36, T. 12 N., R. 1 E., at cableway, 2000 ft upstream from State dam and 2½ miles east of Logan, Utah	108
Aug. 25	Logan, Hyde Park & Smithfield Canal	Logan River	SE¼SW¼ sec. 25, T. 12 N., R. 1 E., 1½ miles downstream from head and 2½ miles east of Logan, Utah.	24.2
June 30	Hyrum City Power Plant tailrace	Blacksmith Fork	SE¼ sec. 2, T. 10 N., R. 2 E., 100 ft downstream from Power Plant, 1 mile upstream from Left Fork of Blacksmith Fork and 8½ miles east of Hyrum, Utah.	68.8

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



GPO 837414

PLATE NO. 1

ANNUAL RUN-OFF OF BEAR RIVER AT HARER, IDAHO

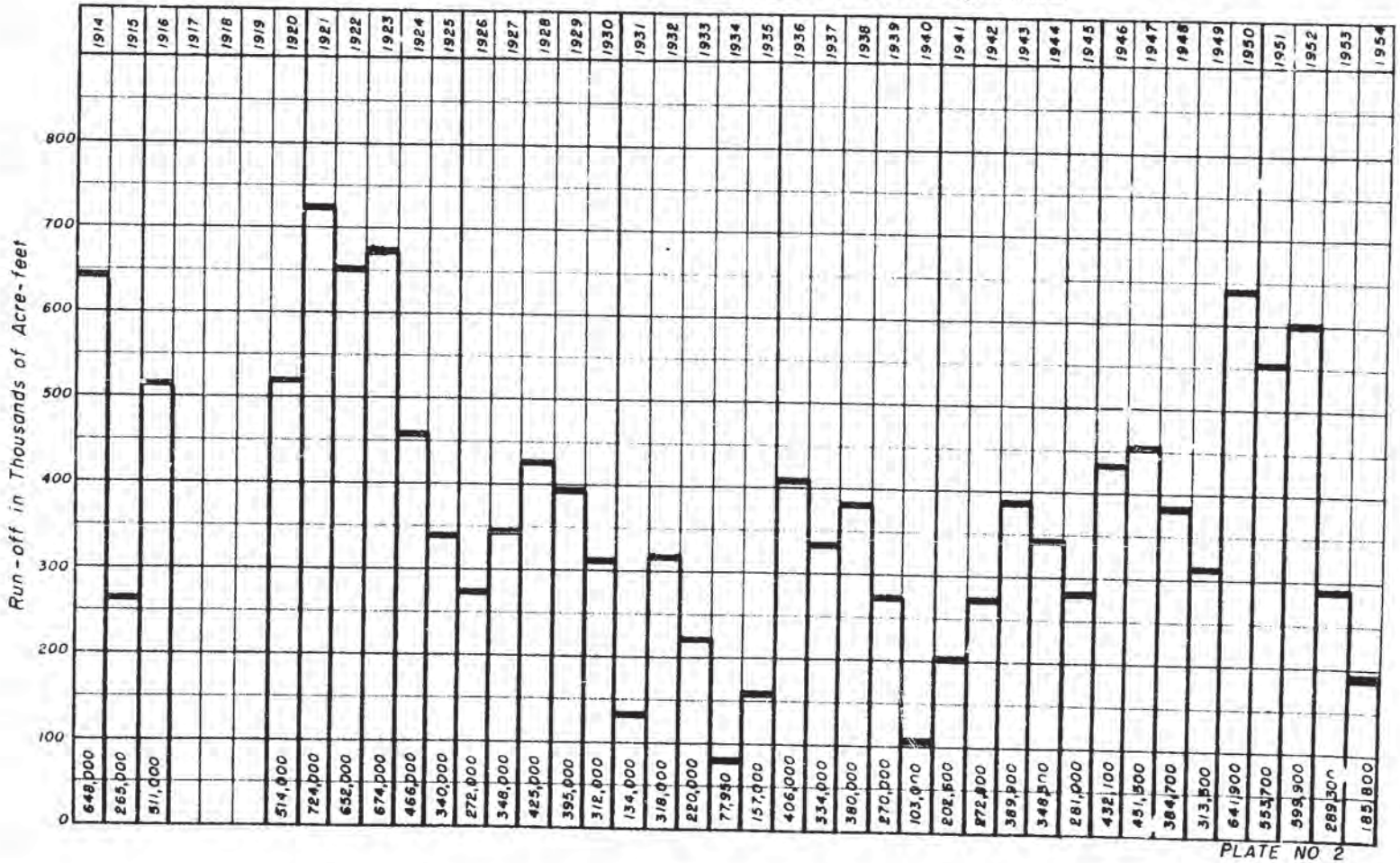


PLATE NO 2

ANNUAL RUN-OFF OF BEAR RIVER NEAR COLLINSTON, UTAH

(Not Adjusted for Bear Lake Storage and Release)

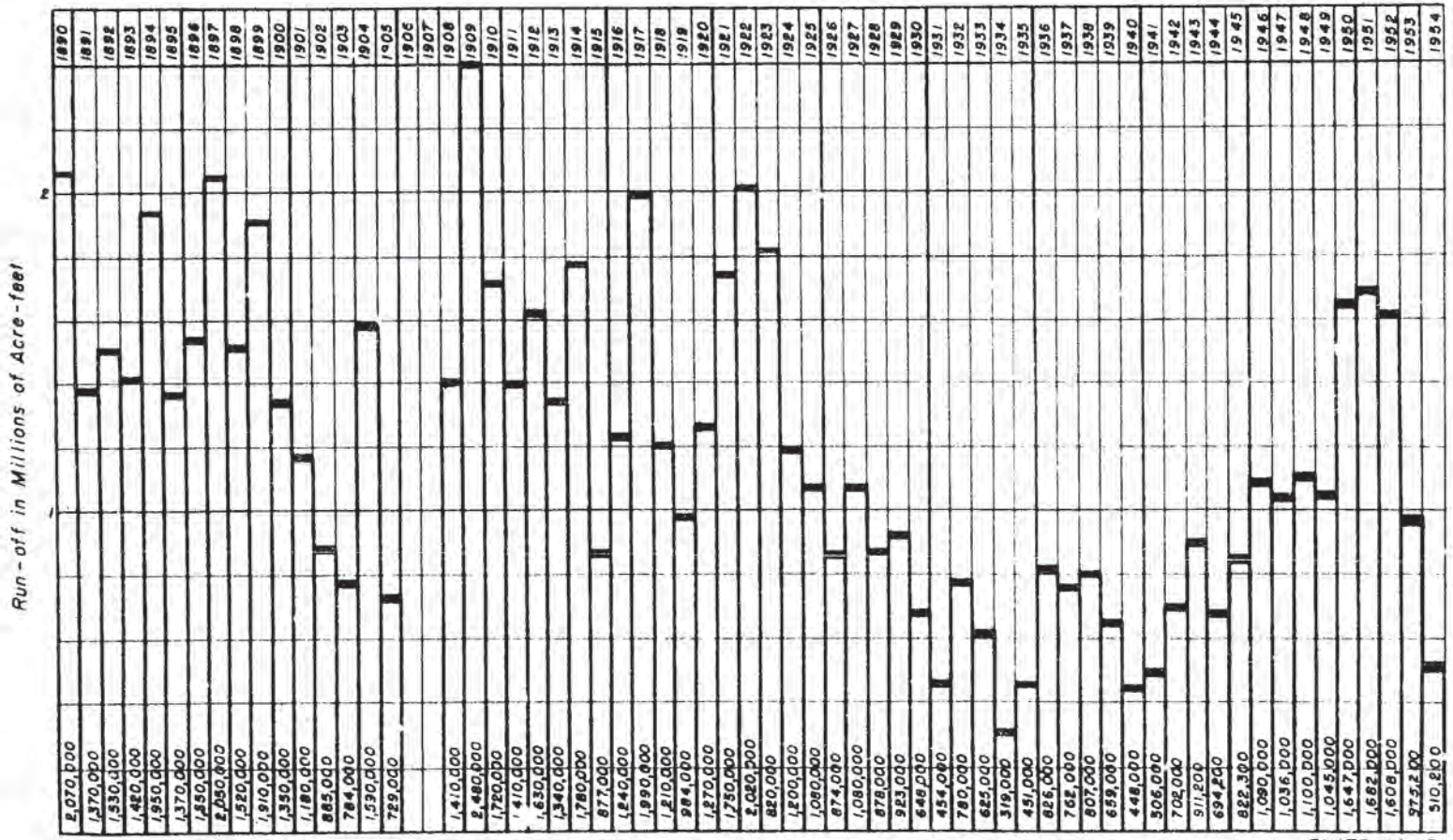


PLATE NO 3

Daily discharge, in second-feet, of

Bear River near Utah-Wyoming State Line

for the calendar year 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	27	46	40				42	178	282	174	46	26
2	28	48				40	38	155	248	152	42	30
3	28	48					40	155	253	138	42	73
4	30	49					44	207	303	141	49	48
5	30	49			40		53	303	325	167	64	40
6	31	51	38				53	388	272	135	48	36
7	31	44					48	476	234	115	43	34
8	30	44					44	572	207	115	40	37
9	31	43					48	668	203	118	37	40
10	32	44					44	735	186	101	37	37
11	30	46				40	48	720	190	92	38	34
12	30	44					53	766	203	98	49	37
13	32	46	40				58	766	234	135	44	40
14	31	44					80	782	277	121	44	38
15	32	43		38			78	735	238	106	43	34
16	33	37	45				87	675	282	87	37	32
17	31	43				42	112	682	253	98	34	31
18	30	32	38			45	141	774	253	106	33	30
19	30	30	36		40	48	155	814	287	109	32	28
20	32	28				46	155	856	292	87	33	28
21	36	32				44	159	881	292	82	37	28
22	31	38				48	178	1,000	298	70	36	30
23	37	42				40	203	630	292	62	32	40
24	44	43				36	234	551	287	57	31	46
25	43	44	38			38	287	565	292	55	30	44
26	38	42				38	298	517	292	62	28	46
27	46	42				37	314	406	394	87	27	42
28	48	40				36	314	353	287	62	27	36
29	51	42				37	238	325	234	55	26	33
30	48	42				37	216	325	212	51	26	33
31	46					46		262		48	26	
	1,077	1,266	1,208	1,178	1,120	1,258	3,862	17,222	7,902	3,086	1,161	1,111
Mean	34.7	42.2	39.0	38	40	40.6	129	556	263	99.5	37.5	37.0
Acre-Feet	2,140	2,510	2,400	2,340	2,220	2,500	7,660	34,160	15,670	6,120	2,300	2,200

Year Mean 114

Acre-Feet 82,220

Plate No. 4

Daily discharge, in second-feet, of ... **Bear River above Sulphur ...eek near Evanston, Wyoming** ..., for the year ending Sept. 30 of ... 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.8	32	55				70	233	223	136	7.6	6.0
2	8.8	33	55				72	195	213	52	7.6	7.2
3	9.6	36					80	186	177	26	7.2	12
4	9.6	40					103	210	165	19	7.6	16
5	10	43					150	315	177	19	11	8.8
6	10	50					162	410	165	19	12	7.2
7	9.6	45					112	514	159	14	9.6	6.8
8	10	42	48			55	117	603	133	12	8.0	5.6
9	10	50					150	658	117	10	7.6	6.4
10	10	55					139	808	117	9.6	7.2	6.4
11	10	57					144	723	100	8.8	7.6	6.4
12	10	59					162	827	94	14	8.0	6.0
13	10	55					174	762	100	18	16	6.4
14	10	54					207	782	139	19	19	6.8
15	12	52		50	55		159	736	159	16	16	7.2
16	13	46					144	585	183	15	15	7.2
17	14	48	55				162	537	192	13	13	7.2
18	13	45					198	639	150	16	12	7.2
19	14	37					189	664	150	24	13	7.2
20	15	32					192	756	153	22	10	7.6
21	19	35					183	820	144	20	12	8.8
22	20	50				60	204	1,170	128	21	14	8.0
23	21						233	891	177	19	10	10
24	27						243	621	192	17	7.6	15
25	29		50				315	664	213	15	6.8	19
26	27	60					356	627	240	15	6.4	17
27	27						352	514	370	16	6.0	17
28	33						390	430	315	18	6.0	16
29	34					61	290	333	240	15	5.6	14
30	34					61	258	276	213	14	5.6	19
31	34					76		223		11	5.6	
	522.4	1,478	1,573	1,550	1,540	1,803	5,710	17,572	5,298	663.4	300.6	295.4
Mean	16.9	49.3	50.7	50	55	58.2	190	567	177	21.4	9.70	9.85
Acre-Feet	1,040	2,930	3,120	3,070	3,050	3,580	11,330	34,850	10,510	1,320	596	586

Year Mean 105

Acre-feet 75,980

Plate No. 5

9-211a

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY WATER RESOURCES DIVISION

Form No.

Daily discharge, in second-feet, of Bear River near Evanston, Wyoming *for the year ending September 30, 19* 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.1	16	73				103	264	199	99	1.6	0
2	1.1	14	64				112	239	209	42	1.0	0
3	1.1	20	60			65	147	209	169	13	.9	0
4	1.0	30					204	204	136	7.1	.9	0
5	1.1	32				—	292	256	116	5.9	.9	0
6	1.1	41					411	333	112	5.6	.8	0
7	1.4	45				90	264	394	127	5.6	.7	0
8	1.4	38	55		65	112	258	471	118	4.8	.6	0
9	1.4	38				120	298	533	101	3.6	.5	0
10	1.1	46				192	286	647	93	3.1	.3	0
11	1.0	54				256	272	628	86	2.8	.2	0
12	1.0	61				187	278	655	71	2.8	.2	0
13	1.1	63				169	289	643	66	2.6	.3	0
14	1.8	56				158	333	624	64	2.1	.2	0
15	2.1	55		60		142	292	592	136	1.8	.2	0
16	2.4	54				142	232	478	162	1.6	.1	0
17	3.1	54	65			147	222	407	248	1.1	0	0
18	3.4	58				118	239	456	174	1.4	0	0
19	3.4	42				114	239	492	127	1.8	0	0
20	5.2	37				114	232	552	101	1.6	0	0
21	4.4	49				112	214	610	86	2.8	0	0
22	5.2	58	60		65	114	216	1,010	68	3.1	0	0
23	4.8	71				108	234	937	73	3.1	0	0
24	6.3	70				105	239	659	84	3.1	0	0
25	8.0	73				101	283	667	142	2.8	0	0
26	8.6	75				99	330	610	172	3.4	0	0
27	11	78	60			99	339	522	301	4.4	0	0
28	12	70				99	364	435	354	3.1	0	0
29	17	70				105	330	342	250	2.4	0	0
30	15	66				108	275	185	176	2.4	0	0
31	17					93		192		1.8	0	
	145.6	1,532	1,862	1,860	1,820	3,594	7,827	15,246	4,341	241.7	9.4	0
Mean	4.70	51.1	60.1	60	65	116	261	492	145	7.80	.30	0
Acre-Feet	289	3,040	3,690	3,690	3,610	7,130	15,520	30,240	8,610	479	19	0

Year Mean 105

Plate No. 6

Acre-Feet 76,320

9-211c 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* **54**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	15	32			50	80	244	154	98	1.3	
2	.1	15	31			50	80	219	168	39	1.2	
3	.1	15	30			50	90	193	148	25	1.2	
4	.1	14	30			50	140	174	106	19	1.3	
5	.1	13	45			45	171	171	82	16	1.5	
6	.1	15	61			40	268	193	71	15	1.3	
7	.2	16				60	252	248	66	12	1.2	
8	.3	21				80	183	291	61	9.7	1.2	
9	.4	19				90	196	350	60	7.6	1.2	
10	.6	16	60			140	223	408	61	6.1	1.1	
11	.7	17				180	196	492	53	5.0	.9	
12	.7	22				110	196	463	46	5.2	.9	
13	.6	23				80	252	480	40	5.0	.9	
14	1.0	25	65		70	80	264	430	37	3.8	.9	
15	1.3	25		65		110	287	430	36	4.1	.7	
16	1.5	23				140	223	377	36	3.3	.6	
17	1.5	23				110	193	312	50	3.1	.6	
18	1.7	23	70			95	190	312	100	3.3	.4	
19	2.2	20				65	206	354	77	4.7	.4	
20	3.3	16				55	202	377	58	6.1	.3	
21	4.1	18				65	193	458	43	4.1	.2	
22	3.1	19				70	177	679	35	3.1	.1	
23	4.4	28				75	186	1,010	29	2.9	0	
24	3.8	34				75	202	718	24	2.4	0	
25	3.3	33				75	212	660	30	2.2	0	
26	3.8	35	65			75	271	615	115	17	0	
27	7.6	34				75	295	540	183	1.7	0	
28	10	40			60	75	295	441	308	1.3	0	
29	12	34				75	324	350	256	1.4	0	
30	13	37				80	264	209	177	1.3	0	
31	15					80		166		1.3	0	
	96.7	688	1,849	2,015	1,950	2,500	6,311	12,364	2,710	329.7	19.4	0
Mean	3.12	22.9	59.6	65	69.6	80.6	210	399	90.3	10.6	.63	0
Acre-Feet	192	1,360	3,670	4,000	3,870	4,960	12,520	24,520	5,380	654	38	0

YEAR Mean 84.5

Acre-Feet 61,160

Plate No. 7

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

Daily discharge, in second-feet, of **Bear River near Randolph, Utah** for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	34	45				155	47	79	16	7.8	6.4
2	12	35	43				160	41	73	13	7.8	6.7
3	12	36	40				167	36	61	12	7.8	7.0
4	12	37	40			90	173	32	53	12	8.6	6.7
5	13	40	40				192	30	45	13	10	6.4
6	13	41	50		90		210	29	42	13	9.8	6.4
7	13	42					218	29	38	12	9.8	6.4
8	13	41		75		95	250	28	37	11	9.8	6.4
9	16	40					236	28	39	10	9.0	6.4
10	18	41	75				218	28	44	9.8	8.6	6.4
11	18	41					219	29	40	9.8	8.6	6.4
12	19	42					209	28	40	9.8	8.2	6.7
13	19	42					164	32	37	9.4	9.4	7.4
14	20	41					129	33	34	9.4	7.8	7.0
15	20	33				210	158	35	36	9.0	7.0	6.7
16	22	31					169	36	33	9.0	7.0	6.7
17	23	31	80				169	38	30	9.0	6.7	6.7
18	24	29					162	43	37	9.0	7.0	6.7
19	24	27					149	40	38	9.4	7.0	6.4
20	25	25		80	110		116	35	26	10	7.4	6.4
21	26	28					89	34	23	9.0	7.8	6.4
22	29	35				210	76	37	21	8.2	8.2	6.4
23	28	44				200	70	44	20	8.2	7.8	7.4
24	30	42				180	78	84	19	8.2	7.0	7.0
25	31	51	75			173	70	139	19	8.2	6.7	7.0
26	33	47				167	55	118	20	8.6	6.7	6.7
27	33	45				158	49	115	20	8.6	6.7	6.7
28	34	45		90		155	47	110	20	8.6	6.7	6.4
29	34	45				164	46	110	19	8.2	6.7	6.4
30	34	45				167	48	99	18	8.2	6.4	6.7
31	34					164		94		7.8	6.4	
	694	1,156	2,168	2,465	2,860	5,193	4,251	1,661	1,061	307.4	242.2	199.4
Mean	22.4	38.5	69.9	79.5	102	168	142	53.6	35.4	99.2	7.81	6.65
Acre-Feet	1,380	2,290	4,300	4,890	5,670	10,300	8,430	3,290	2,100	610	480	396

Year Mean 61.9

Acre-Feet 44,140

Plate No. 8

9-211e 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* **54**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	28	47	60				200	16	7.4	5.8	6.7	9.4
2	28	47	58				188	16	7.0	5.8	7.0	9.0
3	30	48	55				191	17	6.7	5.8	7.0	8.6
4	29	49	55			100	200	16	6.7	6.1	7.4	9.0
5	29	51	55		95		217	16	6.7	5.8	7.4	8.6
6	28	56	60				236	16	6.1	6.1	7.8	8.6
7	28	55					247	14	6.4	6.1	9.0	8.6
8	28	55		80		105	258	14	6.4	6.1	9.0	8.6
9	28	55					276	14	6.1	5.8	13	9.0
10	31	55	80				260	12	6.1	5.8	25	9.4
11	32	56					249	12	6.1	5.8	20	9.4
12	33	56					24	11	6.1	6.1	18	9.4
13	32	57					227	11	6.1	6.1	17	9.8
14	33	66					169	11	6.4	6.1	16	9.8
15	34	58				230	134	10	6.4	6.7	14	9.8
16	36	51					87	9.4	6.4	12	14	10
17	36	48	85				76	12	6.7	14	12	9.8
18	37	48					78	7.8	6.7	13	12	9.8
19	38	41					87	7.8	6.7	13	12	9.8
20	39	38		85	120		108	7.4	6.4	12	9.4	9.8
21	39	40					103	6.7	6.7	11	7.8	9.8
22	42	45					78	5.5	6.7	11	7.8	9.4
23	40	51				225	75	5.8	6.1	11	7.8	9.0
24	42	56				215	74	5.8	5.2	10	7.4	8.6
25	45	58				205	71	5.5	5.8	9.8	7.8	8.6
26	45	59	80			200	71	6.1	6.1	9.4	7.8	8.6
27	46	60				190	38	6.4	6.4	7.8	7.8	8.2
28	47	60		95		190	28	6.4	7.8	6.7	7.8	8.2
29	47	60				200	28	7.0	6.7	6.7	9.6	49
30	47	60				208	12	7.4	6.4	6.7	10	38
31	47					201		7.8		6.7	9.8	
	1,124	1,586	2,378	2,620	3,085	5,859	4,315	320.8	193.5	251.8	335.3	343.6
Mean	36.3	52.9	76.7	84.5	110	189	144	10.3	6.45	8.12	10.8	11.5
Acre-Feet	2,230	3,150	4,720	5,200	6,120	11,620	8,560	636	384	499	665	682

Year Mean 614

Acre-Feet 44,470

Plate No. 9

9-2116 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, 1954*

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	31	52	65				215	35	18	22	17	18
2	31	5[illegible]					210	38	18	16	17	19
3	33	5[illegible]					216	39	18	14	17	19
4	33	55	60			105	220	39	20	14	18	20
5	32	60					235	38	23	13	19	19
6	32	62			95		250	37	26	16	17	19
7	32	62				105	262	35	30	14	18	19
8	32	62		80		110	264	34	33	18	19	18
9	31	62				200	288	34	34	23	19	17
10	33	62	80				274	33	34	24	27	17
11	34	62					260	34	34	27	30	17
12	35	62				250	255	32	34	29	28	17
13	37	62					245	31	34	28	26	18
14	38	73					209	31	33	27	24	18
15	40	65	85		120		144	33	33	25	22	18
16	40	58					124	33	33	27	21	18
17	40	53					96	35	33	30	20	18
18	41	55	85			250	90	32	31	30	20	17
19	42	53					94	29	30	32	19	17
20	44	45		85			110	29	30	30	19	17
21	45	47					116	27	28	27	17	17
22	45	50					94	24	26	26	16	17
23	47	52			110	240	85	22	25	26	16	17
24	50	55				230	83	21	21	26	15	19
25	51	55	80			220	83	18	19	27	14	19
26	51	58		90		210	83	18	22	23	13	19
27	51	65				200	76	18	24	24	13	19
28	52	65				200	34	18	30	21	13	19
29	52	65		95		210	52	18	27	21	16	19
30	52	65				230	34	18	24	21	21	62
31	52					220		18		19	20	
	1,259	1,746	2,400	2,615	2,975	6,255	4,801	901	825	720	591	587
Mean	40.6	58.2	77.4	84.4	106	202	160	29.1	27.5	23.2	19.1	19.6
Acre-Feet	2,500	3,460	4,760	5,190	5,900	12,410	9,520	1,790	1,640	1,430	1,170	1,160

Year Mean 70.3

Power Acre-Feet 50,930

Plate No. 10

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

Daily discharge, in second-feet, of Bear River below Smiths Fork near Cokeville, Wyoming, for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								377	284	246	104	85
2								345	263	232	104	88
3								333	242	219	104	88
4								337	229	216	104	88
5								377	232	209	106	90
6								435	246	197	104	92
7								475	266	186	102	88
8								508	256	180	102	85
9								530	249	177	104	79
10								565	263	174	100	77
11								625	263	180	108	75
12								625	260	183	108	79
13								601	249	177	102	80
14								583	238	169	97	79
15								559	229	169	90	74
16								571	225	166	87	74
17								571	225	158	85	75
18								607	222	166	85	77
19								565	219	180	83	77
20								535	213	180	83	77
21								535	216	171	85	77
22								607	229	166	83	75
23								595	235	152	83	79
24								513	252	150	82	79
25								450	280	140	77	77
26								435	270	130	74	72
27								412	294	128	74	71
28								385	325	121	71	71
29								361	291	112	72	71
30							408	341	270	110	80	99
31								321		106	83	
								15,079	7,535	5,250	2,826	2,398
Mean								486	251	169	91.2	79.9
Acre-Feet								29,910	14,950	10,410	5,610	4,760

Year Mean 216

Water Year Acre-Feet 65,640

Plate No. 11

Daily discharge, in second-feet, of **Bear River at Border, Wyoming** *for the year ending September* 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sept.
1	112	165	199			290	342	419	259	234	97	92
2	110	165	184			270	339	370	236	212	100	95
3	110	163	160	170	220	280	344	339	210	189	103	91
4	108	163	140			280	342	342	199	180	107	75
5	111	170	140			240	367	370	201	173	123	74
6	111	191				240	422	433	206	175	123	74
7	105	191				240	430	476	226	182	123	70
8	101	186	190	190		220	426	504	236	177	123	67
9	100	184				250	451	526	226	161	122	66
10	107	182			210	280	458	549	236	155	116	65
11	114	184				310	430	593	239	155	129	67
12	116	184				350	422	608	228	160	124	70
13	116	184	175	185		310	436	589	224	156	116	68
14	111	186				290	405	556	220	150	105	70
15	110	191				330	358	497	218	145	108	70
16	112	182				400	326	494	228	134	101	70
17	116	179				420	298	472	228	128	103	71
18	117	175	195	190	225	420	307	490	220	124	103	71
19	116	170				399	324	447	214	131	100	74
20	118	160				396	326	422	210	136	91	76
21	122	150				399	339	412	199	134	93	80
22	120	150				386	344	447	180	128	92	82
23	120	190	200	185	240	386	344	465	177	123	92	84
24	139	190				379	376	416	184	117	92	84
25	163	182				370	416	370	206	114	91	83
26	166	188				361	444	352	210	112	92	82
27	170	197			280	355	469	329	236	120	92	80
28	170	204	165	175		342	454	324	284	114	93	81
29	168	202				334	479	314	275	108	90	80
30	168	199				334	458	298	254	100	91	80
31	165					336		288		97	93	
	3,892	5,407	5,613	5,650	6,365	10,197	11,676	13,511	6,669	4,524	3,228	2,292
Mean	126	180	181	182	227	329	389	436	222	146	104	76.4
Acre-Feet	7,720	10,720	11,130	11,210	12,620	20,230	23,160	26,800	13,230	8,970	6,400	4,550

Year Mean 217
Acre Feet 156,700

Plate No. 12

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	131	202	210	190	230	270	401	557	394	309	145	106
2	133	202	195	190	230	250	397	511	355	281	145	110
3	133	207	160	190	230	240	405	460	309	261	147	117
4	137	197	165	190	230	219	394	435	272	244	145	114
5	137	199	180	190	220	220	420	435	269	238	147	104
6	141	218	200	195	220	220	476	472	281	236	161	97
7	143	226	200	200	220	220	511	529	296	238	154	96
8	139	223	195	200	220	220	524	566	309	233	154	92
9	137	229	195	200	220	250	529	571	299	228	150	89
10	135	226	190	200	220	280	562	594	305	217	150	87
11	141	226	180	190	220	320	543	620	305	204	147	87
12	147	229	185	195	220	350	529	659	299	202	156	94
13	147	229	195	200	220	310	524	663	290	202	150	92
14	147	226	205	200	220	290	529	663	287	196	135	87
15	143	235	215	200	230	340	484	602	266	192	125	87
16	143	229	210	205	235	410	428	571	305	182	125	85
17	143	226	200	210	235	440	405	533	338	172	117	84
18	150	221	200	210	235	450	379	515	321	167	117	82
19	152	215	215	210	235	470	409	502	302	167	115	87
20	152	205	220	209	235	490	412	480	290	167	112	89
21	150	167	220	200	250	490	424	511	275	167	108	90
22	152	190	215	200	250	480	431	571	249	165	108	94
23	152	225	205	200	250	481	420	576	230	165	106	97
24	158	220	190	195	250	468	455	580	236	161	108	102
25	177	220	170	195	250	480	480	502	249	161	104	102
26	194	215	165	190	280	450	520	468	272	158	106	104
27	19	220	170	190	280	435	562	443	272	179	110	102
28	197	225	180	190	280	424	562	420	321	189	123	102
29	199	230	185	190		401	566	428	351	182	123	104
30	199	225	190	190		390	580	420	331	165	108	104
31	197		190	200		387		405		154	106	
	4,800	6,507	5,995	6,114	6,615	11,145	14,261	16,262	8,878	6,182	4,007	2,837
Mean	155	217	193	197	236	360	475	525	296	199	129	96.2
Acre-Feet	9,520	12,910	11,890	12,130	13,120	22,110	28,290	32,260	17,610	12,260	7,950	5,730

Max. Disch. 680 cfs May 14, 1954

Year Mean 257

XXXX Acre-Feet 185,800

Plate No. 13

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

Daily discharge, in second-feet, of Bear River below Stewart Dam near Montpelier, Idaho *for the year ending September 30, 19* 54

Day	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	15	16	16	16	16	23	8	19	12	14	6
2	12	15	15	16	16	15	23	9	19	12	14	6
3	12	15	15	16	17	18	22	9	18	12	16	6
4	13	14	15	16	17	20	22	8	13	12	15	7
5	14	14	15	16	16	22	22	8	7	12	14	7
6	14	14	15	16	17	22	22	8	6	11	16	7
7	14	14	15	16	17	22	14	8	6	14	17	7
8	13	14	15	16	17	22	9	8	7	11	18	7
9	13	14	15	16	17	22	9	8	7	11	18	6
10	14	14	15	16	17	23	9	10	7	11	17	6
11	14	14	15	16	16	23	9	16	7	11	16	7
12	14	14	15	16	16	24	9	16	8	12	16	7
13	15	14	15	16	16	25	9	16	7	11	15	7
14	15	13	15	16	17	25	8	15	8	11	16	6
15	14	14	15	16	17	26	8	16	8	11	15	6
16	15	14	15	16	17	26	8	17	8	12	16	6
17	15	14	15	16	16	25	8	16	8	13	16	6
18	14	15	15	16	18	24	8	16	8	13	16	6
19	14	15	16	16	19	22	7	18	9	13	14	6
20	14	15	16	16	18	21	8	18	9	13	14	6
21	15	15	16	16	19	22	9	18	9	13	12	5
22	14	14	16	16	16	21	9	18	9	13	11	5
23	14	14	16	16	14	21	10	19	9	13	7	6
24	14	14	16	16	14	20	9	18	8	13	4	6
25	14	14	16	16	13	20	8	17	8	13	4	6
26	14	14	16	16	19	19	8	17	8	13	4	7
27	14	15	16	16	14	28	8	18	9	13	4	7
28	14	15	16	16	15	27	8	17	9	13	4	7
29	14	16	16	16		27	8	18	11	14	5	8
30	15	16	16	16		25	8	18	12	15	6	8
31	15		16	16		23		19		15	6	
	432	432	479	496	461	696	342	445	281	386	380	193
Mean	13.9	14.4	15.5	16.0	16.5	22.5	11.4	14.4	9.4	12.5	12.3	6.4
Acre-Feet	857	857	950	984	914	1,380	678	883	557	766	754	383

Max. Disch. 31 cfs Nov. 17

Year Mean 13.8

Year Acre-Feet 9,960

Plate No. 14

Daily discharge, in second-feet, of Bear River at Pescadero, Idaho *, for the year ending September 30, 19* 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	119	63	109	75	90	95	150	97	701	1,130	839	867
2	70	66	107	75	90	95	141	96	879	1,150	839	879
3	64	66	100	75	90	95	145	96	896	1,150	856	890
4	62	67	95	75	90	92	183	99	752	1,150	850	896
5	61	67	95	75	90	90	231	105	675	1,150	811	902
6	61	69	95	75	90	95	250	102	811	1,160	706	896
7	64	72	95	75	90	105	258	133	879	1,250	731	908
8	67	74	90	75	85	133	252	140	884	1,280	752	908
9	69	73	90	75	85	160	247	133	647	1,370	757	902
10	67	86	90	75	85	229	237	121	546	1,330	839	902
11	64	83	90	75	85	215	214	433	436	1,300	856	806
12	63	79	90	75	90	195	189	593	244	1,250	914	576
13	66	78	90	75	100	160	168	610	160	1,210	920	477
14	67	74	90	80	100	175	172	670	162	1,250	806	436
15	70	75	90	80	95	180	170	747	522	1,270	789	288
16	73	75	90	80	90	200	170	822	642	1,230	789	319
17	57	75	90	80	90	210	178	822	652	1,200	873	365
18	60	70	90	80	90	200	174	884	571	1,230	908	340
19	62	70	90	79	95	200	181	1,090	550	1,240	908	305
20	61	90	90	75	95	200	211	1,140	546	1,240	908	288
21	61	95	85	80	95	170	187	1,150	542	1,240	974	258
22	61	95	80	80	95	175	162	1,160	731	1,110	1,000	247
23	61	97	75	80	100	185	152	950	833	1,040	1,000	244
24	60	101	75	80	100	189	150	940	739	968	914	134
25	61	101	75	80	100	189	126	1,150	872	938	862	74
26	61	101	75	80	100	175	119	1,090	950	938	856	66
27	61	109	75	80	100	170	116	873	1,050	926	844	66
28	60	117	75	85	95	170	102	661	1,060	839	844	66
29	61	112	75	85		165	97	624	1,050	794	850	64
30	60	111	75	90		160	95	550	1,060	642	862	62
31	62		75	90		145		542		806	867	
	2,016	2,511	2,706	2,439	2,600	5,017	5,227	18,623	21,143	34,881	26,524	14,431
Mean	65.0	83.7	87.3	78.7	92.9	162	174	601	705	1,125	856	481
Acre-Feet	4,000	4,980	5,370	4,840	5,160	9,950	10,370	36,940	41,940	69,190	52,610	28,620

Max. disch., 1,400 cfs July 8

Year Mean 378

Acre-Feet 274,000

Plate No. 15

9-211c

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 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	250	140	190	135	165	160	259	246	713	1,120	856	890
2	165	140	190	135	165	160	239	239	890	1,160	862	911
3	120	140	160	130	160	155	256	232	1,000	1,170	883	925
4	100	138	165	130	160	150	315	222	897	1,170	883	925
5	100	143	158	130	155	150	426	229	762	1,170	869	932
6	115	151	165	135	155	150	508	239	828	1,170	795	925
7	125	149	160	140	155	160	473	246	940	1,220	749	925
8	140	147	155	140	150	176	454	281	990	1,370	788	925
9	150	147	160	140	150	256	435	281	883	1,400	788	925
10	150	147	165	140	150	368	390	277	724	1,360	828	925
11	150	160	160	135	150	315	327	315	622	1,310	869	876
12	150	160	155	140	160	300	356	699	459	1,270	904	705
13	155	158	155	140	180	260	335	730	292	1,220	940	533
14	155	156	160	145	180	300	323	756	246	1,240	883	468
15	155	151	160	145	170	310	323	808	351	1,280	808	408
16	155	151	165	145	160	340	307	890	705	1,260	815	296
17	155	156	170	145	155	356	311	890	730	1,210	849	381
18	155	156	170	145	155	323	323	904	699	1,230	911	377
19	150	121	165	145	160	340	315	1,020	622	1,250	918	347
20	150	158	165	140	160	300	327	1,140	616	1,250	918	319
21	150	185	155	145	160	280	335	1,240	593	1,230	961	307
22	150	190	140	150	165	292	311	1,280	693	1,160	1,010	277
23	150	190	130	150	170	288	292	1,080	869	1,080	1,020	292
24	150	187	125	150	175	296	288	1,030	897	1,010	961	263
25	150	185	125	145	170	284	286	1,190	911	961	883	151
26	150	192	125	150	170	270	266	1,210	968	961	876	114
27	145	198	130	150	170	277	273	1,080	1,080	961	869	109
28	145	200	130	160	160	263	281	956	1,110	904	862	107
29	140	192	135	160		263	270	737	1,100	842	876	106
30	140	190	135	165		256	256	705	1,080	718	883	109
31	140		135	165		226		633		743	883	
	4,555	4,878	4,758	4,470	4,535	8,024	9,912	21,685	23,300	35,400	27,200	15,753
Mean	147	163	153	144	162	259	330	700	777	1,142	877	525
Acre-Ft.	9,030	9,680	9,440	8,870	9,000	15,920	19,660	43,010	46,210	70,210	53,950	31,250

Year Mean 451

Acre-Feet 326,700

Plate No. 16

contents acre

Daily ~~discharge~~, in ~~second~~-feet, of Soda Reservoir near Alexander, Idaho, for the year ending September 30, 19 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11,030	11,690	11,710	11,590	11,600	11,580	10,600	11,080	11,640	9,870	11,600	9,970
2	11,060	11,660	11,600	11,520	11,600	11,560	10,980	11,190	11,770	9,800	11,500	9,840
3	11,000	11,640	11,590	11,660	11,640	11,580	11,460	10,870	11,600	9,800	11,480	9,650
4	10,870	11,660	11,540	11,600	11,610	11,600	11,750	10,310	11,450	10,010	11,620	9,480
5	10,740	11,640	11,600	11,610	11,610	11,590	11,750	10,170	11,470	10,090	11,540	9,620
6	10,720	11,670	11,580	11,660	11,590	11,620	11,490	10,330	11,610	9,940	11,590	9,810
7	10,730	11,630	11,610	11,640	11,640	11,600	11,370	10,170	11,660	9,940	11,590	9,620
8	10,760	11,640	11,540	11,660	11,600	11,680	11,170	10,040	11,520	10,040	11,460	9,800
9	10,830	11,620	11,650	11,600	11,600	11,730	10,970	10,430	11,660	10,210	11,340	10,100
10	10,890	11,640	11,590	11,650	11,590	11,640	10,770	10,070	11,660	10,470	11,030	10,700
11	10,990	11,640	11,470	11,610	11,640	11,490	10,800	9,350	11,640	11,280	10,970	11,620
12	11,060	11,690	11,550	11,600	11,640	11,610	10,700	9,020	11,550	10,960	11,030	11,740
13	11,180	11,580	11,730	11,660	11,600	11,080	10,720	8,900	11,270	10,860	11,060	11,210
14	11,330	11,620	11,620	11,650	11,590	10,870	10,420	8,800	10,300	10,700	11,280	11,130
15	11,450	11,630	11,560	11,670	11,590	10,700	10,090	8,740	9,400	10,700	11,360	11,080
16	11,600	11,600	11,660	11,560	11,600	10,700	10,030	8,860	9,690	10,620	11,260	10,840
17	11,710	11,700	11,630	11,620	11,600	10,730	10,090	8,510	10,050	10,510	11,020	10,810
18	11,750	11,580	11,640	11,610	11,590	10,660	10,460	7,960	10,240	10,410	10,950	10,810
19	11,730	11,640	11,640	11,590	11,520	10,200	10,280	7,800	10,360	10,480	10,770	10,730
20	11,730	11,670	11,560	11,590	11,600	10,420	10,470	7,680	10,410	10,920	10,640	10,580
21	11,690	11,680	11,640	11,620	11,600	10,300	10,530	8,050	10,070	11,140	10,770	10,390
22	11,610	11,590	11,560	11,580	11,600	10,170	10,580	8,810	9,750	11,430	10,730	10,290
23	11,640	11,520	11,510	11,620	11,580	10,310	10,780	9,150	9,580	11,550	10,870	10,330
24	11,650	11,660	11,430	11,610	11,500	10,330	11,130	9,230	9,650	11,550	10,780	10,230
25	11,680	11,630	11,430	11,600	11,630	10,240	11,430	9,390	9,550	11,510	10,620	9,930
26	11,630	11,630	11,430	11,560	11,590	10,060	11,240	9,780	9,960	11,600	10,520	9,560
27	11,740	11,660	11,550	11,610	11,530	10,140	11,360	10,390	10,810	11,550	10,560	9,280
28	11,700	11,550	11,600	11,630	11,560	10,130	11,280	10,910	10,830	11,430	10,630	9,030
29	11,680	11,660	11,590	11,690		10,030	11,240	11,460	10,600	11,340	10,700	8,820
30	11,630	11,660	11,690	11,500		10,050	11,080	11,650	10,300	11,370	10,460	8,570
31	11,690		11,460	11,630		10,220		11,670		11,660	10,170	

Change in contents from last of month to last of month (acre feet)

	+820	-30	-200	+160	-60	-1,340	+810	+640	-1,470	+1,460	-1,490	-1,600

Equivalent mean discharge in second-feet

Mean Acre-Feet	+13.3	-0.5	-3.3	+2.6	-1.1	-21.8	+13.6	+10.4	-24.7	+23.8	-24.2	-26.9

Computed from elevations at 12:00 midnight furnished by Utah Power & Light Co.

Year or Period: Mean -3.2; Acre-Feet -2,300

Plate No. 17

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

Daily discharge, in second-feet, of Bear River at Alexander, Idaho *, for the year ending September 30, 19* 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	216	203	279	166	262	275	171	319	761	1,330	885	1,030
2	193	246	340	254	255	277	169	297	844	1,230	924	1,050
3	198	236	252	156	219	240	123	473	1,100	1,220	901	1,050
4	213	212	256	260	262	226	269	638	1,010	1,080	851	1,070
5	208	244	179	162	238	254	550	374	809	1,170	933	868
6	176	222	287	207	251	214	761	256	784	1,300	779	844
7	170	261	264	244	209	268	688	433	963	1,270	751	1,030
8	174	227	256	226	264	277	690	422	1,050	1,330	854	838
9	174	210	210	260	237	474	660	209	868	1,340	845	771
10	170	212	308	201	224	554	618	563	808	1,260	993	600
11	160	233	273	226	203	530	496	770	678	911	946	388
12	170	232	207	228	243	362	507	1,010	552	1,440	877	650
13	149	294	166	216	296	611	457	869	499	1,290	935	791
14	127	202	287	227	281	507	600	882	798	1,320	72	500
15	157	238	295	252	255	479	602	902	837	1,310	715	428
16	140	250	206	243	214	430	479	855	647	1,320	961	409
17	158	194	255	216	256	463	362	1,140	589	1,300	1,000	398
18	175	297	252	236	261	506	258	1,290	661	1,330	974	392
19	237	163	278	259	255	588	510	1,130	588	1,240	1,020	390
20	223	183	295	198	209	378	292	1,260	618	1,010	1,020	461
21	230	253	202	217	254	435	411	1,110	798	1,130	902	440
22	255	294	255	260	264	429	378	933	879	1,020	953	367
23	190	340	237	233	254	344	283	976	969	1,000	1,070	332
24	229	207	252	256	293	432	169	970	888	1,000	1,060	374
25	201	304	204	196	228	474	277	1,120	985	973	1,010	361
26	265	286	210	251	280	460	452	1,020	786	929	976	355
27	149	260	146	203	249	348	359	793	658	1,000	898	326
28	251	344	189	233	243	388	409	618	1,100	998	865	258
29	231	219	237	221		424	381	452	1,220	908	878	277
30	240	278	159	355		356	464	624	1,330	723	1,030	276
31	193		342	196		261		622		599	1,060	
	6,022	7,344	7,578	7,058	6,959	12,214	12,845	23,330	25,077	35,281	28,586	17,324
Mean	194	245	244	228	249	394	428	753	836	1,138	922	577
Acre-Feet	11,940	14,570	15,030	14,000	13,800	24,230	25,480	46,270	49,740	69,980	56,700	34,360

Max. daily disch., 1,440 cfs July 12 Year or Mean 520 Acre-Feet 376,100

Plate No. 18

Daily discharge, in second-feet, of Bear River below Grace Dam near Grace, Idaho *for the year ending September 30, 19* 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	2	3	2	1	2	2	3	11	9	3	3
2	6	4	3	2	1	2	3	4	9	8	3	3
3	5	4	3	2	1	2	6	4	11	8	3	3
4	9	2	3	2	1	2	4	4	9	4	4	3
5	11	3	3	2	1	2	7	13	14	4	4	3
6	5	4	3	2	1	3	5	4	14	8	5	7
7	3	2	3	2	1	3	3	14	14	4	3	5
8	4	2	3	2	1	3	3	26	15	3	3	4
9	3	3	3	2	1	7	3	39	15	3	3	3
10	2	3	3	2	1	5	2	33	19	3	3	3
11	3	3	3	2	1	3	2	58	24	4	3	3
12	3	6	3	2	1	2	2	46	26	3	5	3
13	5	3	3	2	1	4	2	51	18	3	4	3
14	7	9	3	1	1	3	2	46	17	3	3	3
15	3	11	3	1	1	5	3	59	20	4	3	3
16	4	6	3	1	2	13	3	53	21	3	4	3
17	3	5	3	1	2	8	2	49	15	5	4	3
18	8	10	3	1	2	14	18	43	14	3	3	3
19	4	9	3	1	2	4	4	48	15	5	3	3
20	6	5	3	1	2	9	3	46	13	4	3	3
21	4	8	3	1	2	4	5	43	15	3	4	3
22	2	2	3	1	2	4	11	30	15	4	3	6
23	2	3	3	1	2	3	8	28	14	4	3	3
24	2	2	3	1	2	2	12	10	14	7	3	3
25	3	4	3	1	2	3	7	8	17	5	4	3
26	9	3	3	1	2	6	12	17	16	7	3	3
27	2	3	3	1	2	7	5	15	14	7	3	3
28	6	3	3	1	2	3	8	13	13	5	2	3
29	6	3	3	1		2	7	11	12	4	2	3
30	2	3	3	1		5	2	12	12	4	3	3
31	2		3	1		5		11		4	3	
	146	130	93	44	41	140	157	835	456	145	101	100
Mean	4.7	4.3	3.0	1.4	1.5	4.5	5.2	26.9	15.2	4.7	3.3	3.3
Acre-Feet	290	258	184	87	81	278	311	1,660	904	288	200	198

Max. disch., 76 cfs May 11

Year Mean 6.54

Acre-Feet 4,740

Plate No. 19

9-2116 UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY Water Resources Division File No.

contents acre

Daily ~~discharge~~, in ~~second~~-feet, of _____ Oneida Reservoir at Oneida, Idaho _____, for the year ending September 30, 19__

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10,430	10,530	10,730	9,740	9,040	9,270	10,380	9,550	10,380	9,790	10,280	9,550
2	10,630	10,230	10,380	9,130	9,410	9,320	9,550	10,030	10,480	9,550	10,130	9,930
3	10,580	10,480	10,230	9,270	9,840	9,220	9,180	9,600	10,180	9,640	9,740	9,000
4	11,130	10,680	10,580	9,090	9,550	9,740	9,320	9,130	10,480	9,270	9,320	8,720
5	10,780	10,230	10,330	9,360	9,690	9,360	9,740	9,410	9,980	9,220	9,640	9,220
6	10,880	10,630	9,980	9,690	9,790	9,640	10,030	9,130	10,330	9,360	9,740	8,410
7	11,080	10,530	10,430	9,930	9,740	9,640	9,550	8,590	10,580	7,890	10,080	8,150
8	10,830	10,680	10,230	9,550	8,550	9,840	9,000	9,000	10,680	9,000	9,740	8,950
9	10,980	10,580	10,230	9,270	9,270	9,500	8,820	9,790	10,480	9,740	9,740	9,740
10	11,030	10,480	9,320	8,860	9,690	9,320	10,680	9,320	10,430	10,180	9,550	10,930
11	10,730	10,930	9,270	9,320	9,640	8,590	11,180	8,860	10,480	10,130	9,260	10,730
12	10,730	10,580	9,880	9,130	9,640	8,900	10,130	8,460	10,180	8,640	9,550	10,130
13	11,130	10,480	9,980	9,220	9,880	8,900	9,740	8,550	10,580	9,410	9,450	9,640
14	10,780	10,480	10,280	9,550	9,880	8,640	9,360	9,550	10,330	9,740	9,320	10,430
15	10,930	10,830	9,640	9,450	9,930	9,090	9,550	9,410	9,600	9,740	8,500	10,430
16	10,480	10,530	9,220	9,270	9,640	9,640	9,450	9,500	10,030	9,410	8,820	9,980
17	10,680	10,730	9,320	9,410	9,600	8,460	9,600	9,000	10,180	9,040	9,090	9,840
18	11,130	10,330	9,930	9,450	9,450	9,270	10,230	7,510	10,030	9,270	9,740	10,380
19	11,080	10,330	9,410	9,790	9,320	9,410	9,180	7,300	10,930	9,690	9,840	10,380
20	10,680	10,580	9,130	10,080	9,500	9,740	9,410	6,030	10,830	9,130	9,740	9,790
21	10,830	10,480	9,550	9,640	9,640	9,880	8,820	6,700	9,600	9,500	8,820	9,640
22	10,480	10,680	9,270	8,860	9,410	9,740	9,550	8,150	9,090	9,500	8,820	9,450
23	10,730	10,630	8,770	8,860	9,740	9,640	9,740	9,090	9,000	9,220	8,900	9,840
24	10,580	10,480	8,820	8,900	9,840	9,180	10,530	9,930	9,040	9,880	9,180	10,530
25	10,530	10,520	8,900	9,090	9,690	9,790	9,880	9,600	8,900	9,320	9,450	10,630
26	10,730	10,730	9,090	9,410	9,450	9,550	9,880	10,080	9,790	9,180	10,030	9,740
27	10,530	10,380	9,450	8,900	9,790	9,980	9,550	10,480	10,680	8,330	10,030	10,180
28	10,680	9,600	9,360	9,360	9,640	9,690	9,270	10,830	9,740	9,040	9,360	10,330
29	10,080	10,280	9,450	9,640		8,860	9,690	10,930	9,680	9,500	9,040	10,780
30	10,380	10,530	9,500	9,040		9,930	9,690	10,730	9,410	10,780	8,900	10,980
31	10,130		8,820	9,040		10,430		10,930		10,730	9,690	

Change in contents from last of month to last of month (acre feet)

	-150	+400	-1,710	+220	+600	+790	-740	+1,340	-1,520	+1,320	-1,040	+1,290

Equivalent mean discharge in second-feet

Day Acre-Feet	-2.4	+6.7	-27.8	+3.6	+10.8	+12.8	-12.4	+20.2	-25.5	+21.5	-16.9	+21.7

Computed from elevations at 7:00 midnight
Furnished by Utah Power & Light Co.

Year Mean +1.0
Peak Acre-Feet +700

Plate No. 20

9-211a UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY — WATER RESOURCES DIVISION Form 9-

Daily discharge, in second-feet, of Bear River below U. P. & L. Co.'s tailrace at Oneida, Idaho for the year ending September 30, 19 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	363	189	356	30	527	624	490	704	874	968	777	1,190
2	298	492	576	593	189	460	737	359	704	1,190	931	860
3	349	321	494	334	212	463	584	712	953	1,060	966	1,530
4	100	355	250	363	521	156	290	920	830	1,270	1,010	1,210
5	520	578	503	258	328	617	501	586	1,030	1,060	635	821
6	338	251	498	244	363	280	750	685	548	979	814	1,340
7	256	454	230	283	440	446	1,200	748	673	1,750	528	1,110
8	426	366	504	593	918	425	1,240	349	795	820	880	640
9	253	455	418	499	94	873	847	161	930	849	817	541
10	300	421	843	579	168	923	149	611	762	907	967	306
11	486	199	466	191	403	1,150	613	886	678	1,090	1,030	668
12	322	578	221	500	386	522	1,260	1,010	622	1,620	881	850
13	162	482	336	335	427	637	913	780	187	770	937	935
14	474	468	258	199	642	923	932	333	552	993	956	428
15	252	222	795	482	561	552	780	692	1,000	1,090	1,110	615
16	556	508	639	492	568	449	934	599	494	1,280	717	698
17	204	366	382	370	469	1,140	641	905	225	1,230	859	528
18	142	623	161	375	536	361	372	1,530	534	993	716	302
19	428	427	706	264	480	630	1,080	983	235	922	1,030	458
20	581	249	612	253	354	739	653	1,440	485	1,150	1,060	787
21	352	437	257	551	320	588	817	606	1,010	638	1,440	630
22	646	353	577	752	602	637	322	172	848	945	939	613
23	337	555	629	453	303	712	540	213	762	980	944	381
24	478	644	405	410	427	813	139	358	754	559	1,000	212
25	441	371	369	339	566	351	727	887	741	1,120	923	440
26	261	403	308	252	590	820	661	620	341	894	828	933
27	565	571	220	630	317	425	850	490	257	1,200	995	288
28	318	818	382	194	529	814	840	334	1,040	587	1,180	335
29	659	99	367	237		1,080	507	296	1,100	597	1,040	231
30	316	327	346	718		143	632	361	1,140	199	1,020	327
31	570		748	400		328		509		636	769	
	11,763	12,582	13,856	12,173	12,240	19,081	21,001	19,839	21,104	30,346	28,699	20,207
Mean	379	419	447	393	437	616	700	640	703	979	926	674
Acre-Feet	23,330	24,960	27,480	24,140	24,280	37,850	41,650	39,350	41,860	60,190	56,920	40,080

Max. daily disch., 1,750 cfs July 7

Year Mean 611

Acre-Feet 442,100

Plate No. 21

Daily discharge, in second-feet, of Bear River near Preston, Idaho for the year ending September 30, 19 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	248	262	349	131	518	662	462	722	599	728	609	905
2	171	544	547	482	234	381	672	226	447	987	827	630
3	262	169	524	476	239	603	557	693	801	855	784	1,240
4	73	371	344	399	537	146	437	861	587	979	877	1,150
5	368	557	448	297	321	615	487	467	839	912	478	665
6	238	284	528	315	404	231	658	660	380	707	702	1,180
7	163	377	347	288	370	390	1,100	589	460	1,590	259	941
8	389	414	481	570	945	446	1,280	341	644	587	760	508
9	133	446	430	486	205	868	763	50	827	561	675	350
10	325	389	773	648	225	897	336	428	590	758	773	185
11	383	215	611	234	332	1,020	491	528	473	616	909	520
12	206	525	267	465	422	648	1,270	910	421	1,520	684	719
13	156	432	326	404	365	525	882	632	192	726	731	783
14	426	427	278	193	809	989	913	245	396	590	751	333
15	180	240	748	569	555	512	765	516	724	1,050	915	507
16	397	432	635	513	626	557	974	391	377	1,050	545	608
17	266	394	461	378	539	1,100	513	705	102	945	687	457
18	222	548	192	379	508	372	435	1,190	169	912	579	219
19	346	408	673	310	429	446	1,090	807	300	712	687	375
20	434	276	560	257	417	500	634	1,180	190	1,010	901	638
21	324	286	382	535	413	838	780	629	932	421	1,190	473
22	514	402	577	697	589	801	440	104	635	727	824	561
23	260	521	656	520	265	724	511	107	589	801	777	307
24	430	643	454	505	403	750	102	183	489	349	833	116
25	476	391	422	393	656	349	672	636	478	978	747	363
26	287	439	326	270	532	813	553	421	219	700	688	706
27	472	490	213	558	438	405	703	354	106	993	764	252
28	290	652	456	255	477	719	904	96	814	416	1,050	243
29	544	413	266	308		1,050	489	138	893	498	805	149
30	317	319	477	647		212	519	198	952	110	935	217
31	587		738	532		359		338		453	638	
	9,887	12,266	14,469	13,014	12,773	18,928	20,391	15,345	15,625	24,241	23,384	16,300
Mean	319	409	467	420	456	611	680	495	521	782	754	543
Acre-Feet	19,610	24,330	28,700	25,810	25,330	37,540	40,440	30,440	30,990	48,080	46,380	32,330

Year Mean 539

Acre-Feet 390,540

Plate No. 22

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

Daily discharge, in second-feet, of Bear River near Collinston, Utah *, for the year ending September 30, 19* 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	270	1,340	1,140	164	782	1,400	1,180	1,440	32	33	36	36
2	80	641	715	1,450	1,140	881	1,310	980	32	33	36	45
3	270	1,020	1,100	961	1,030	924	903	1,280	32	34	36	41
4	32	968	1,100	620	898	747	579	898	32	34	36	33
5	160	909	1,130	646	925	1,840	359	619	213	56	34	33
6	550	454	472	1,340	862	946	1,250	1,320	382	31	36	33
7	280	1,400	863	1,020	996	953	1,690	302	728	39	34	158
8	940	517	1,220	1,190	1,200	1,060	1,560	272	699	31	36	33
9	515	832	623	804	1,080	1,410	1,960	31	283	32	38	33
10	350	990	1,310	1,050	774	844	2,210	32	504	32	42	33
11	58	905	1,020	795	840	1,950	1,900	307	866	34	42	33
12	252	976	1,070	960	900	1,480	1,640	150	750	34	36	34
13	346	740	1,140	1,100	969	1,990	1,320	72	488	34	32	136
14	305	1,020	699	1,340	1,830	1,790	1,640	62	108	44	32	32
15	432	987	1,280	1,170	2,000	1,620	1,940	30	70	38	32	973
16	806	1,020	811	586	1,670	1,540	2,210	30	168	36	33	32
17	536	825	503	1,270	1,910	1,450	1,550	55	448	34	33	33
18	702	937	1,370	944	1,430	1,540	1,870	60	293	39	32	36
19	650	1,350	1,150	1,020	1,670	1,510	2,010	53	31	36	32	34
20	431	1,990	1,070	863	1,190	1,410	2,140	31	31	38	32	34
21	619	1,130	482	1,210	1,440	1,200	2,160	576	32	38	33	34
22	818	30	1,790	943	864	1,120	1,900	694	44	34	36	36
23	1,080	55	1,220	962	1,140	1,550	1,460	940	30	34	33	657
24	850	890	1,050	1,120	1,490	1,730	1,550	36	31	34	34	1,400
25	1,080	1,650	659	1,250	1,370	1,410	1,550	43	31	52	33	577
26	1,030	876	605	1,020	1,010	1,540	1,750	32	32	36	33	79
27	1,050	912	367	1,140	965	1,220	1,500	122	32	194	33	803
28	765	1,500	1,070	1,100	1,230	1,730	1,540	100	33	31	33	1,110
29	879	733	738	1,030		1,440	929	214	33	102	34	1,110
30	1,070	1,120	834	1,820		1,010	1,180	34	33	102	36	348
31	545		1,110	890		1,150		33		33	38	
	17,751	28,717	29,711	31,778	33,605	42,385	46,040	10,248	6,501	1,412	1,076	8,009
Mean	573	957	958	1,025	1,200	1,367	1,535	331	217	45.5	34.7	267
Acre-Feet	35,210	56,960	58,930	63,030	66,650	84,070	91,320	20,330	12,890	2,800	2,130	15,890

Year Mean 705

Year Acre-Feet 510,200

Plate No. 23

Daily discharge, in second-feet, of **Bear River near Corinne, Utah** *for the year ending September 30, 19* '54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	701	888	1,290	1,250	1,060	1,560	?,390	1,410	180	127	134	103
2	326	1,370	1,320	500	910	1,450	1,490	1,600	162	120	120	109
3	215	842	922	1,400	1,140	1,070	1,090	1,360	153	113	113	119
4	218	1,130	1,260	1,070	1,130	1,090	806	1,460	166	115	115	128
5	204	1,260	1,300	790	980	1,100	536	626	150	115	113	133
6	206	1,170	1,280	800	1,010	1,610	1,270	732	202	107	114	133
7	467	698	869	1,440	950	1,140	1,770	1,480	468	112	107	134
8	445	1,350	1,090	1,180	1,120	1,220	1,790	625	852	112	107	176
9	1,000	838	1,250	1,300	1,300	1,210	1,890	450	921	118	112	151
10	752	1,030	787	1,000	1,220	1,510	2,060	150	630	107	114	131
11	539	1,100	1,440	1,170	885	1,180	2,230	110	633	103	110	132
12	331	1,080	1,200	970	918	1,840	2,070	317	1,040	104	113	133
13	328	1,240	1,200	1,150	1,040	1,630	1,700	235	995	104	126	133
14	496	937	1,280	1,340	1,250	2,110	1,620	219	727	106	121	138
15	483	1,230	915	1,510	1,860	1,810	1,990	154	405	105	118	160
16	623	1,110	1,330	1,380	2,000	1,820	2,350	126	247	107	115	813
17	865	1,300	1,000	925	1,830	1,590	2,320	110	282	109	108	438
18	805	1,090	801	1,320	1,790	1,660	1,840	110	514	119	106	165
19	809	1,090	1,320	1,140	1,650	1,690	1,970	122	428	126	107	133
20	810	1,530	1,270	1,240	1,630	1,540	2,330	132	211	125	107	120
21	624	1,970	1,260	1,060	1,490	1,430	2,280	133	142	119	106	114
22	750	1,420	832	1,350	1,560	1,380	2,130	505	127	122	115	115
23	918	407	1,730	1,130	972	1,490	1,740	860	119	121	120	199
24	1,210	206	1,370	1,150	1,230	1,670	1,650	1,120	119	116	121	731
25	1,090	811	1,[illegible]00	1,300	1,700	1,790	1,720	363	115	112	113	1,290
26	1,160	1,640	810	1,420	1,480	1,660	1,870	173	119	120	114	703
27	1,210	1,180	750	1,190	1,220	1,590	1,780	143	134	130	109	320
28	1,130	1,160	520	1,300	1,220	1,500	1,760	142	145	236	108	668
29	984	1,580	1,220	1,260		1,740	1,720	180	140	175	110	1,210
30	1,010	1,190	960	1,180		1,590	1,350	246	131	143	110	1,310
31	1,320		1,060	1,700		1,090		254		154	107	
	22,029	33,847	34,836	36,915	36,545	46,760	52,512	15,647	10,657	3,802	3,513	10,342
Mean	711	1,128	1,124	1,191	1,305	1,508	1,750	505	355	123	113	345
Acre-Feet	43,690	67,130	69,100	73,220	72,490	92,750	104,200	31,040	21,140	7,540	6,970	20,510

Year Mean 842

Acre Feet 609,800

Plate No. 24

9-2110 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* 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.3	9.2	9.2				9.2	44	50	6.2	4.7	2.7
2	5.3	9.2	8.8			8.0	8.0	36	44	6.2	4.7	3.3
3	5.3	10	8.5				10	38	44	5.9	4.4	20
4	5.3	10					13	62	38	6.2	3.9	8.4
5	5.3	10				8.8	17	95	36	10	5.0	4.4
6	5.6	10				8.8	17	108	31	8.0	4.2	3.6
7	5.6	9.2				8.4	13	128	30	7.1	3.6	3.1
8	5.6	8.4	8.0			7.7	12	132	28	6.5	3.4	3.3
9	5.6	11				7.7	14	148	27	6.8	3.3	3.1
10	5.6	10				.8	13	148	24	5.6	3.4	3.1
11	5.6	10				.8	14	148	23	5.9	3.6	3.1
12	5.6	10				.7	17	144	22	6.5	4.8	3.3
13	5.6	10		8.0		8.8	18	132	22	7.7	4.4	3.9
14	5.9	9.6				8.8	27	130	29	10	3.7	4.2
15	6.8	9.6			9.0	8.8	25	120	31	8.0	3.6	4.2
16	7.1	7.4				8.5	28	115	37	5.9	3.6	4.0
17	6.5	8.8	9.0			8.5	42	118	35	5.9	3.6	3.9
18	6.2	5.9				9.2	59	132	27	8.0	3.7	3.9
19	6.2	8.8				10	56	135	22	9.2	3.9	3.9
20	6.8	8.0				9.6	47	134	19	7.4	4.5	3.9
21	8.0	9.6				9.6	46	130	18	7.1	4.4	4.0
22	7.4	10				9.6	54	156	16	5.9	4.7	4.0
23	8.0	10				8.4	62	100	14	4.5	4.2	6.2
24	8.4	11				9.2	71	77	13	4.4	3.7	8.0
25	8.4	9.6	8.0			9.6	87	76	14	4.2	3.4	8.0
26	7.4	9.6				10	83	71	17	4.5	3.3	5.9
27	9.2	8.8				8.8	83	54	24	22	3.3	5.0
28	9.6	8.4		8.0		8.4	83	42	18	7.1	3.3	4.8
29	10	7.7				8.8	56	38	13	5.0	3.4	4.5
30	9.6	8.0				8.8	52	45	10	5.0	3.6	4.2
31	9.2					8.0		42		4.8	2.8	
	212.0	277.8	257.5	248	252	270.1	1,136.2	3,078	776	217.5	120.1	147.9
Mean	6.84	9.26	8.31	8.0	9.0	8.71	37.9	99.3	25.9	7.02	3.87	4.93
Acre-Feet	420	551	511	492	500	536	2,250	6,110	1,540	431	238	293

Year Mean 19.2

Acre-Feet 13,870

Plate No. 25

9-211c 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* 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0	4.9	10	8.0	10	8.0	23	20	75	2.7	1.2	.9
2	1.0	4.9	11				27	20	61	2.8	1.1	1.2
3	1.3	4.9	8.3				49	13	47	2.8	1.2	1.4
4	1.5	5.3	7.6				75	10	31	2.5	1.4	1.4
5	1.6	7.1	8.1				136	8.3	23	3.2	2.5	1.2
6	1.9	10	7.6				129	7.6	36	3.6	1.5	1.0
7	1.9	7.6					76	8.3	62	3.8	1.2	.9
8	1.9	7.4					84	11	52	3.3	1.1	1.0
9	3.3	7.9					118	9.0	40	2.4	1.1	.9
10	3.3	9.6	8.0				100	8.1	41	2.1	1.1	.8
11	2.7	9.6					82	13	30	2.0	1.1	.8
12	2.8	9.6					87	12	23	2.0	2.0	.8
13	3.3	8.7					88	13	22	2.1	1.5	1.0
14	3.5	8.1				15	89	9.3	55	2.5	1.4	.9
15	4.0	7.9					58	8.1	60	2.8	1.2	.8
16	4.2	7.4					42	10	92	2.5	1.1	.8
17	4.2	8.1		8.0			38	15	74	2.5	1.1	.7
18	3.8	6.0	9.0				36	29	52	3.8	1.1	.6
19	3.8	8.1					34	19	38	7.1	1.1	.6
20	4.9	5.9				14	26	12	29	9.3	1.1	.6
21	6.4	8.7				16	18	22	19	9.0	1.4	.6
22	5.3	7.9				17	12	166	14	6.2	1.4	.7
23	5.1	6.7			10	16	11	113	12	4.6	1.3	.9
24	5.5	7.1				17	11	50	7.6	2.7	1.2	1.0
25	6.2	8.3				16	10	23	5.9	2.2	1.2	1.0
26	6.2	9.3	8.0			17	10	16	4.6	2.4	1.1	.8
27	6.4	10				18	5.3	11	9.6	2.4	1.0	.8
28	7.6	10				18	4.9	9.3	6.2	2.1	1.0	.8
29	6.4	10				21	7.1	9.0	4.2	1.6	1.0	.8
30	5.7	10				20	10	15	3.5	1.6	1.0	.8
31	5.1					25		33		1.3	.9	
	121.8	237.0	258.6	248	280	444	1,496.3	723.0	1,029.6	101.9	38.6	26.5
MEAN	3.93	7.90	8.34	8.0	10	14.3	49.9	23.3	34.3	3.29	1.25	.88
ACRE-FEET	242	470	513	492	555	881	2,970	1,430	2,040	202	77	53

YEAR MEAN 13.7

ACRE-FEET 9,920

Plate No. 26

B-214a 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 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							3.3	12	3.8	.1		
2						.8	4.8	11	4.0	.1		
3							8.8	9.5	3.3	0		
4							9.9	9.1	2.8	0		
5							14	9.5	2.3	0		
6						.8	18	15	1.9	0		
7							14	17	1.6	0		
8					0		14	17	1.6	0		
9							14	16	1.6	0		
10							14	16	1.9	0		
11							14	16	1.3	0		
12							16	14	1.3	0		
13							17	12	1.4	0		
14							21	9.9	1.3	0		
15						3.5	20	8.8	1.4	0		
16							14	7.6	1.0	0		
17							12	6.5	1.4	0		
18							12	5.0	1.0	0		
19							12	4.6	1.2	0		
20							12	3.6	.8	0		
21							10	3.0	.5	0		
22					1.0		9.5	4.3	.4	0		
23						3.8	9.1	6.9	.4	0		
24						4.0	10	8.8	.4	0		
25						3.8	12	6.2	.3	0		
26						3.6	13	4.0	.3	0		
27						3.0	13	3.3	.4	0		
28						3.0	14	3.0	.3	0		
29						3.8	15	2.8	.2	0		
30						4.6	12	2.8	.1	0		
31						6.2		3.6		0		
	0	0	0	0	13.0	91.2	382.4	268.8	40.2	0.2	0	0
Mean	0	0	0	0	.46	2.94	12.7	8.67	1.34	.01	0	0
Acre-Feet	0	0	0	0	26	181	758	533	80	0.4	0	0

Year Mean 2.18

Year Acre-Feet 1,580

Plate No. 27

Daily discharge, in second-feet, of **Chapman Canal at State Line near Evanston, Wyoming**, for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	11	38		0	20	32	18	54	38		
2	0	9.1	38		0	25	32	18	65	15		
3	0	7.4	38		0	25	40	17	53	3.4		
4	0	12	38		0	25	46	16	45	0		
5	0	13	25		0	30	62	40	42	0		
6	0	13	0		0	32	80	72	54	0		
7	0	18	0		0	30	74	77	61	0		
8	0	15	0		0	30	71	79	62	0		
9	0	14	0		0	36	74	75	40	0		
10	0	17	0		0	51	75	79	33	0		
11	0	21	0		0	61	72	79	30	0		
12	0	25	0		0	50	55	78	21	0		
13	0	27	0		0	51	24	86	15	0		
14	0	26	0		0	53	24	85	9.7	0		
15	0	23	0		0	35	23	85	25	0		
16	.4	23	0		0	5.8	22	82	36	0		
17	.3	27	0		0	23	22	71	68	0		
18	.5	28	0		0	27	22	57	55	0		
19	.7	26	0		0	60	23	61	44	0		
20	1.9	23	0		0	70	23	62	36	0		
21	3.4	30	0		0	60	22	65	27	0		
22	2.1	35	0		0	53	22	77	22	0		
23	2.1	40	0		0	41	22	75	22	0		
24	2.2	40	0		0	40	22	41	20	0		
25	3.4	40	0		0	36	21	20	.2	0		
26	4.7	40	0		0	35	22	22	0	0		
27	5.8	39	0		0	35	22	20	.1	0		
28	6.3	34	0		10	34	22	19	.3	0		
29	8.5	36	0			34	20	48	.8	0		
30	[illegible].4	39	0			35	18	58	2.1	0		
31	[illegible].7		0			32		58		0		
	[illegible].4	751.5	177	0	10	1,164.8	1,109	1,740	943.2	56.4	0	0
Mean	1.98	25.0	5.71	0	.4	38.2	37.0	56.1	31.4	1.82	0	0
Acre-Feet	122	1,490	351	0	20	2,350	2,200	3,450	1,870	112	0	0

Year or Period: Mean 16.5; Acre-Feet 11,960

Plate No. 28

U. S. GOVERNMENT PRINTING OFFICE 16—10096-1

Daily discharge, in second-feet, of **Woodruff Creek near Woodruff, Utah**, for the year ending September 30, 19 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	11	11	9.0			12	50	33	13	8.2	7.2
2	10	11	5.9	8.5			12	42	30	13	8.2	7.5
3	10	12	6.0	8.5		10	18	38	29	12	8.2	8.2
4	10	12	7.0	8.5			24	42	28	12	8.5	7.9
5	9.5	11	6.0	8.5	8.5		29	57	27	13	14	7.5
6	9.5	15	7.0	8.5			32	83	26	12	10	6.6
7	9.5	10	8.0	9.5		13	25	105	25	12	9.0	6.6
8	9.5	8.5	7.0	9.0		16	23	116	22	11	9.0	6.9
9	9.5	10	9.0	8.5		27	24	130	22	11	8.5	6.9
10	9.5	14	10	8.0		35	24	138	24	10	8.2	6.6
11	9.5	14	8.0	8.0		25	24	111	21	10	8.2	6.3
12	10	14	10	8.2		20	28	121	21	10	8.5	6.6
13	9.5	14	10	7.9	11	18	35	119	20	10	9.0	7.2
14	10	12	11	8.2		16	42	116	20	10	9.0	7.2
15	10	13	12	8.5		16	42	106	20	10	8.2	7.2
16	10	12	12	8.5	12	18	41	92	21	9.5	7.9	6.6
17	10	12	12		12	19	48	88	20	9.0	7.9	6.9
18	10	12	12		14	17	54	80	18	19	7.9	7.2
19	10	8.5	12		10	15	55	72	17	16	7.9	8.2
20	10	7.0	12		11	16	55	68	17	12	7.9	8.5
21	10	7.9	11		13	15	52	66	16	12	8.2	8.5
22	11	9.0			12	13	50	62	16	11	9.0	8.5
23	11	12			11	14	54	51	15	11	8.2	9.5
24	11	12	9.0	9.5	11	14	62	47	15	11	7.9	10
25	11	9.5			13	14	70	45	15	12	7.5	10
26	10	9.5			13	12	74	43	15	12	7.2	9.0
27	11	10	9.5		11	13	75	38	17	12	7.5	9.5
28	11	8.2	9.5		12	13	83	37	18	10	7.5	10
29	11	7.5	10			12	66	35	15	9.0	7.5	10
30	11	7.5	9.5			12	56	35	14	8.5	7.5	10
31	11		9.0			9.5		33		8.5	7.5	
	315.0	326.1	291.4	278.3	295.0	472.5	1,289	2,266	617	351.5	259.7	238.8
Mean	10.2	10.9	9.40	8.98	10.5	15.2	43.0	73.1	20.6	11.3	8.38	7.96
Acre-Feet	625	647	578	552	585	937	2,560	4,490	1,220	697	515	474

Year ~~or Period~~ Mean 19.2
Acre-Feet 13,880

Plate No. 29

U. S. GOVERNMENT PRINTING OFFICE

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

Daily discharge, in second-feet, of Birch Creek near Woodruff, Utah *, for the year ending September 30, 19* 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	.4	.2	.4			.4	.6	5.6	2.4	22	15	
2	.4	.2	.3			.4	.6	4.8	2.0	22	14	
3	.4	.2	.3			.3	.7	4.4	1.8	22	14	
4	.4	.2	.3			.4	.8	4.2	1.7	22	14	
5	.4	.3	.3			.4	1.2	4.2	1.6	22	14	
6	.4	.3	.5			.7	1.6	4.4	1.7	22	13	
7	.4	.3	.5			.7	1.2	4.6	1.7	20	13	
8	.4	.3	.4		.3	.7	1.2	4.6	1.6	20	13	
9	.4	.3	.4			.8	1.3	4.6	1.4	20	13	
10	.3	.3	.4	.4		1.3	1.3	4.6	1.7	20	13	
11	.3	.3	.4			.9	1.3	4.6	1.4	20	13	
12	.3	.3	.4			.5	1.6	4.4	1.2	21	12	
13	2.4	.3	.4			.6	1.8	4.6	1.1	20	12	
14	1.3	.3	.4			.6	2.4	4.4	1.1	20	12	
15	.3	.3	.4			.6	2.3	4.2	1.1	20	11	
16	.2	.3	.5		.4	.6	2.3	4.2	1.1	19	11	
17	.2	.3	.4		.4	.6	2.6	3.8	1.1	19	10	
18	.2	.4	.5		.4	.6	3.5	3.6	.8	19	9.7	
19	.1	.3	.5		.4	.7	4.0	3.5	.7	19	8.1	
20	.1	.4	.5		.4	.6	4.4	3.3	.7	18	.5	
21	.1	.3	.4	.5	.4	.6	4.8	3.5	3.1	18	.4	
22	.1	.3	.5	.5	.4	.6	4.6	3.6	8.5	17	.3	
23	.1	.4	.5	.5	.4	.6	4.8	3.1	10	17	.2	
24	.1	.4	.4	.5	.4	.6	5.4	2.8	11	17	.1	
25	.1	.4	.3	.5	.4	.6	5.8	2.6	12	17	.1	
26	.1	.4	.2	.5	.4	.6	5.8	2.6	13	18	0	
27	.1	.4	.3	.5	.4	.6	5.8	2.4	13	17	0	
28	.1	.4	.4	.5	.5	.6	6.2	2.4	17	17	0	
29	.1	.4	.5	.4		.6	6.2	2.1	19	16	0	
30	.1	.4	.5	.4		.6	5.8	2.6	19	16	0	
31	.2		.5	.4		.6		2.1		15	0	
	10.5	9.6	12.7	13.2	9.8	19.0	91.9	116.4	153.5	592	236.4	0
MEAN	.34	.32	.41	.43	.35	.61	3.06	3.75	5.12	19.1	7.63	0
ACRE-FEET	21	19	25	26	19	38	182	231	304	1,170	469	0

U. S. GOVERNMENT PRINTING OFFICE ...

YEAR OR PERIOD MEAN 3.46 ACRE-FEET 2,500

Plate No. 30

Daily discharge, in second-feet, of **Big Creek near Randolph, Utah**, for the year ending September 30, 19 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15	14	12				9.2	20	19	13	10	8.1
2	15	14					9.8	18	19	13	10	8.6
3	15	14					11	17	18	13	10	9.2
4	15	14				9.0	12	18	18	13	10	8.6
5	15	14		9.0	9.0		12	18	18	13	11	8.6
6	15	15					13	19	18	13	10	8.1
7	15	14				11	11	20	18	12	10	7.8
8	15	15	8.5			15	11	20	18	12	9.5	7.8
9	15	14				20	11	21	18	12	9.5	7.8
10	15	14				25	11	22	19	12	9.2	7.8
11	15	14				18	11	22	18	12	9.2	7.8
12	15	14				15	11	22	17	12	9.5	8.6
13	15	14		9.0		13	12	22	17	12	9.5	9.8
14	14	14	10			12	13	22	17	12	8.9	8.1
15	15	14	12			12	13	22	17	12	8.6	8.1
16	15	14		10		13	12	21	17	11	8.6	8.1
17	14	14		10		13	13	21	16	11	8.6	7.8
18	14	14	13			12	15	21	16	15	8.6	7.8
19	14	12			11	10	16	21	16	14	8.6	7.8
20	14	9.0				11	16	21	15	12	8.3	7.8
21	14	10				10	15	21	15	12	9.2	7.8
22	15	10	11			9.0	15	22	15	11	9.2	7.8
23	15	11				9.5	16	21	14	11	8.9	8.6
24	15	12		10		9.5	17	20	14	11	8.6	9.2
25	14	12				9.2	18	20	14	11	8.6	8.6
26	14	12				8.3	19	21	14	12	8.6	8.6
27	14	12				8.6	20	20	15	13	8.3	8.3
28	14	12	11			9.2	21	20	15	11	8.3	7.8
29	14	12				9.5	21	20	14	11	8.3	7.8
30	14	12				8.9	20	20	13	11	8.3	7.8
31	14					8.0		19		11	8.1	
	452	390	322.0	295.0	288.0	353.7	425	632	492	374	282.0	246.4
Mean	14.6	13.0	10.4	9.52	10.3	11.4	14.2	20.4	16.4	12.1	9.10	8.21
Acre-Feet	897	774	639	585	571	702	843	1,250	976	742	559	489

Year or Period: Mean 12.5; Acre-Feet 9,030

Plate No. 31

9-2110 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 2*

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.8	4.2	2.0	5.0	5.0	5.6	4.4	2.6	5.8	5.2	4.4	4.0
2	3.0	4.4	1.9	5.0	5.0	5.2	4.2	2.2	5.6	3.4	4.6	4.2
3	2.8	4.4	1.9	4.8	4.5	5.0	4.4	2.6	5.6	2.7	4.6	4.0
4	2.6	4.2	2.2	4.8	4.5	5.0	4.2	4.8	5.6	2.7	4.6	4.0
5	2.3	3.8	2.2	4.8	4.5	5.0	4.0	6.6	5.6	3.0	4.6	4.0
6	2.6	3.8	2.3	5.0	5.0	5.0	3.0	6.3	5.6	3.1	4.4	4.2
7	2.7	3.8	2.4	5.0	4.7	5.4	1.9	6.1	5.6	2.7	4.4	4.2
8	2.7	3.8	2.3	5.0	4.7	5.6	1.6	6.1	4.0	2.6	4.2	2.6
9	2.6	4.2	2.7	5.0	4.7	7.1	1.6	6.1	2.2	2.6	4.2	1.7
10	2.4	4.4	3.6	5.0	4.7	7.8	1.6	6.1	2.3	3.0	4.2	1.8
11	2.4	4.4	4.0	5.0	5.2	6.8	1.4	6.1	2.1	3.6	4.4	2.8
12	2.6	4.4	4.2	4.8	5.2	5.6	2.7	5.8	1.8	3.6	4.4	4.4
13	3.0	4.4	4.2	4.8	5.2	5.4	2.7	5.8	2.0	5.0	4.4	4.4
14	3.0	2.8	4.4	4.8	5.2	5.4	2.7	5.8	2.0	3.4	4.6	4.2
15	3.1	1.1	4.4	5.0	5.2	5.6	2.1	5.8	2.8	3.0	4.4	3.8
16	3.1	1.7	5.0	5.0	5.2	6.3	1.9	5.8	2.3	5.0	2.6	3.8
17	3.1	2.6	5.6	5.0	5.4	5.8	1.9	5.6	2.3	2.8	2.1	3.8
18	3.1	3.0	5.6	5.0	5.4	5.6	2.2	5.6	2.3	2.2	1.7	3.8
19	3.1	3.8	5.6	5.0	5.2	5.6	1.9	5.6	2.2	2.3	1.8	3.4
20	3.3	3.6	5.6	4.8	5.4	5.6	1.9	3.4	3.8	2.1	2.7	3.3
21	3.4	3.8	5.6	4.6	5.4	5.6	3.0	2.7	2.2	1.9	4.2	3.4
22	3.4	3.6	5.6	4.8	5.4	5.4	2.2	3.3	2.1	1.8	4.2	3.6
23	4.1	4.2	5.0	4.8	5.4	5.4	1.9	3.0	2.0	1.7	4.8	3.8
24	5.6	3.8	5.4	4.8	5.6	5.4	2.3	2.8	1.9	1.6	4.0	3.8
25	5.2	3.1	5.0	4.6	5.6	5.2	2.6	3.1	1.9	1.6	4.0	3.6
26	4.4	2.8	5.4	4.2	5.6	5.0	2.1	4.8	5.4	1.8	4.0	3.3
27	3.8	2.8	5.0	4.6	5.4	5.2	2.3	5.8	5.6	1.8	4.0	3.3
28	3.8	2.8	5.2	4.8	5.4	5.2	2.4	5.8	5.4	1.7	4.0	3.4
29	3.8	1.9	5.2	5.0		5.2	2.4	5.8	5.4	3.6	4.0	3.6
30	3.8	1.9	5.2	5.0		5.0	2.6	5.8	5.4	4.4	4.0	3.6
31	3.8		5.0	5.0		4.4		5.8		4.4	4.0	
	101.4	103.5	129.7	150.8	143.7	171.4	76.1	153.5	108.8	90.3	121.7	107.9
MEAN	3.27	3.45	4.18	4.86	5.13	5.53	2.54	4.95	3.63	2.91	3.93	3.59
ACRE-FEET	201	205	257	299	285	340	151	304	216	179	241	214

U. S. GOVERNMENT PRINTING OFFICE 16 [illegible]

YEAR OR PERIOD MEAN 4.00

ACRE-FEET 2,890

Plate No. 32

9-211 c

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

File No.

Combined flow

~~Daily discharge~~/in second-feet, of North, Middle & South Fork Otter Creek near Randolph, Utah, for the year ending September 30, 19 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1												
2												
3												
4												
5								12.5				
6												
7									13			
8												
9												
10												
11												
12												
13												
14					12							
15	12	13	12	12		12.5	12.5			12	12	12
16												
17												
18												
19												
20								13.5				
21												
22												
23												
24									12			
25												
26												
27												
28												
29												
30												
31												
	372	390	372	372	336	387.5	375.0	408.5	375	372	372	360
Mean	12	13	12	12	12	12.5	12.5	13.2	12.5	12	12	12
Acre-Feet	738	774	738	738	666	769	744	810	744	738	738	714

U. S. GOVERNMENT PRINTING OFFICE 16

Year or Period: Mean 12.3; Acre-Feet 8,910

Plate No. 33

Daily discharge, in second-feet, of Twin Creek at Sage, Wyoming, for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.5	3.3	6.5				9.0	9.9	11	2.7	2.5	3.3
2	3.3	3.5					9.4	10	11	2.7	2.4	2.4
3	3.3	3.5				7.0	16	9.0	9.9	2.5	2.4	2.2
4	3.8	4.9					28	7.6	8.6	2.2	2.5	2.7
5	3.5	4.1					39	8.0	7.2	2.5	3.5	3.0
6	2.4	5.2			6.0		55	8.6	6.2	3.0	2.7	1.8
7	1.2	5.5				7.0	32	6.6	7.2	3.0	2.7	1.7
8	2.0	5.8	5.5	5.0		7.0	26	3.5	8.3	3.0	3.0	1.8
9	2.5	4.9				9.0	35	4.4	7.6	3.0	3.5	1.7
10	2.2	4.4				11	27	4.7	8.0	3.3	3.8	1.7
11	3.8	4.9				11	22	4.9	7.6	3.3	4.1	1.8
12	4.4	4.4				11	24	5.2	7.2	4.1	4.1	2.2
13	4.1	5.8					31	8.6	5.5	4.1	3.8	2.7
14	3.5	7.2				11	29	8.6	6.6	4.7	4.1	3.8
15	4.4	6.2					29	8.3	6.6	5.2	3.3	3.0
16	6.2	4.7					20	8.0	6.6	5.2	2.5	3.0
17	5.8	6.2	6.0			11	24	7.6	7.6	5.2	2.5	3.0
18	8.3	7.6				11	32	9.0	8.0	5.2	2.4	3.0
19	7.6	5.8				11	26	9.0	8.0	6.2	1.7	2.7
20	7.2	3.5		5.5	7.5	9.9	20	7.2	8.0	6.2	1.7	3.0
21	9.4	4.7				8.3	16	6.9	6.9	5.2	2.4	3.0
22	8.3	4.1				9.4	14	7.2	6.2	4.9	1.8	3.3
23	9.0					13	9.9	7.2	5.5	5.5	1.7	3.5
24	6.9					10	9.4	6.6	4.9	4.4	1.7	3.8
25	7.2		5.0			11	11	5.2	4.9	4.9	1.5	3.5
26	5.8	8.0				8.6	9.9	5.8	4.7	4.9	1.7	3.5
27	5.2					9.0	9.0	12	4.9	4.9	2.0	3.3
28	4.9			6.0		9.9	9.9	11	4.9	4.7	2.5	3.3
29	4.7					11	9.9	12	4.1	3.8	3.3	3.3
30	3.8					12	9.9	12	3.3	2.7	3.5	3.0
31	3.3					9.9		13		3.0	3.5	
	151.5	174.2	169.5	166.0	193.5	297.0	642.3	247.6	207.0	126.2	84.8	84.0
Mean	4.89	5.81	5.47	5.35	6.91	9.58	21.4	7.99	6.90	4.07	2.74	2.80
Acre-Feet	300	346	336	329	384	589	1,270	491	411	250	168	167

Year ~~in~~ Period   Mean 6.97   Acre-Feet 5,040

Plate No. 34

U. S. GOVERNMENT PRINTING OFFICE

Daily discharge, in second-feet, of **Smiths Fork near Border, Wyoming**, for the year ending September 30, 1954.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	86	7'	74		60		60	244	393	317	145	101
2	86	74	70				60	214	367	305	145	106
3	86	74	70				60	219	359	294	142	110
4	86	74	70			55	63	251	355	279	142	112
5	86	72	70				70	332	367	268	148	106
6	85	76	70		55		66	393	389	261	148	103
7	85	75	72			55	65	439	384	251	142	101
8	83	70	70			56	65	463	359	244	140	101
9	83	72	70			61	65	489	348	234	133	99
10	8:	74	70			62	70	565	355	230	131	97
11	83	72	70			62	73	592	332	220	133	97
12	83	72	70			61	76	592	320	214	129	103
13	81	74	70			60	80	598	320	204	124	99
14	81	74	70	60		60	84	604	324	201	122	97
15	83	72	72				92	609	332	204	120	93
16	83	72	72				92	609	351	198	118	93
17	81	74					108	662	344	204	116	92
18	80	70					135	662	332	220	116	92
19	78	68	70				135	692	332	223	116	93
20	78	65			65		135	722	344	207	116	92
21	80	66					145	764	371	198	127	92
22	78	66					163	782	384	191	124	92
23	78	68				60	204	680	393	185	116	92
24	80	72					244	614	401	180	112	93
25	80	74					272	582	393	174	110	92
26	78	75					301	565	397	168	108	90
27	76	76	60				301	516	434	168	106	88
28	76	74					351	479	393	163	104	88
29	75	72		61			305	444	351	158	103	88
30	74	70		61			286	424	328	155	101	88
31	74			63				397		150	101	
	2,509	2,161	2,090	1,865	1,715	1,827	4,226	16,198	10,852	6,668	3,838	2,890
Mean	80.9	72.0	67.4	60.2	61.2	58.9	141	523	362	215	124	96.3
Acre-Feet	4,980	4,290	4,150	3,700	3,400	3,620	8,380	32,130	21,520	13,230	7,610	5,730

Year — Mean 156; Acre-Feet 112,700

Plate No. 35

U. S. GOVERNMENT PRINTING OFFICE

Daily discharge, in second-feet, of **Thomas Fork near Wyoming-Idaho State Line**, for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	15	15	13	12	12	14	128	69	30	15	8.4
2	11	15	13	13	12	12	14	115	64	29	14	8.4
3	12	16	12	13	12	11	15	111	61	28	14	8.4
4	12	16	12	13	12	12	20	118	56	27	14	8.1
5	12	17	12	13	12	12	26	145	54	28	13	8.6
6	12	20	14	12	12	12	31	168	57	27	14	8.6
7	12	17	14	12	12	12	26	177	60	26	13	8.4
8	12	15	13	12	12	12	26	173	57	25	12	8.4
9	12	15	14	12	12	15	26	171	53	25	12	8.6
10	12	15	14	12	12	21	26	177	62	25	12	8.4
11	12	16	11	13	13	20	29	162	55	24	12	8.6
12	12	15	14	12	13	17	36	148	49	24	12	8.4
13	12	15	13	12	14	15	45	136	46	23	13	8.6
14	12	16	13	13	14	14	50	126	47	22	12	8.4
15	13	16	14	13	14	13	60	118	46	23	11	8.6
16	14	16	14	14	14	14	61	110	47	22	11	8.6
17	13	16	13	14	14	15	81	105	46	21	11	8.6
18	13	16	13	13	14	13	99	102	41	21	11	8.4
19	12	14	14	13	13	19	90	96	37	20	11	8.4
20	12	11	15	12	14	17	87	90	37	20	11	8.6
21	13	12	14	12	14	17	88	102	35	19	12	8.6
22	14	12	12	12	13	17	93	107	35	19	11	8.6
23	14	15	12	12	13	16	107	90	34	19	10	9.2
24	16	15	12	12	14	14	119	84	34	18	9.9	10
25	16	14	12	12	13	14	138	80	33	18	9.2	9.6
26	16	15	12	12	13	13	146	80	34	18	9.6	9.2
27	16	18	12	12	12	14	140	78	53	17	9.9	10
28	15	17	13	14	12	14	164	74	46	16	9.6	9.2
29	14	15	13	13		14	152	69	36	15	8.9	9.0
30	14	14	13	14		14	145	72	33	15	8.6	9.2
31	15		13	12		13		69		15	8.4	
	407	459	405	391	361	448	2,154	3,581	1,417	679	355.1	262.1
Mean	13.1	15.3	13.1	12.6	12.9	14.5	71.8	116	47.2	21.9	11.5	8.74
Acre-Feet	807	910	803	776	716	889	4,270	7,100	2,810	1,350	704	520

U. S. GOVERNMENT PRINTING OFFICE [illegible]

Year [illegible]: Mean 29.9; Acre-Feet 21,660

Plate No. 36

9-2116 UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY WATER RESOURCES DIVISION

Daily discharge, in second-feet, of **Dingle Inlet Canal near Dingle, Idaho** *for the year ending September* 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2	8	7	4	4	6	6	4	1	1	12	12
2	1	8	6	4	4	6	6	3	2	1	12	5
3	11	8	6	4	4	6	6	3	1	1	11	1
4	11	7	6	4	4	6	6	2	1	1	11	1
5	12	8	7	4	4	6	6	2	1	1	12	1
6	12	8	8	4	5	6	6	4	1	1	12	1
7	12	8	9	4	5	6	6	4	1	1	13	1
8	14	7	9	4	5	6	6	4	1	1	13	1
9	12	7	9	4	5	6	6	5	1	1	14	2
10	14	8	9	3	5	7	6	2	1	1	14	2
11	15	8	9	3	5	7	6	0	1	1	7	2
12	15	8	9	3	5	7	5	0	1	1	2	2
13	17	8	9	3	5	8	5	0	1	1	6	1
14	16	8	9	3	5	8	5	0	1	0	14	1
15	15	8	9	3	5	9	5	0	1	0	13	1
16	15	9	9	3	5	9	4	0	1	0	10	1
17	14	9	9	4	5	9	4	3	1	2	9	1
18	14	8	9	5	5	9	5	9	1	4	8	1
19	14	8	9	6	5	8	4	10	1	3	7	1
20	13	8	9	6	4	8	4	4	1	1	6	1
21	11	8	9	6	4	8	4	2	1	1	6	11
22	11	7	9	6	4	8	4	1	1	2	5	19
23	11	8	9	5	4	7	4	1	1	2	4	19
24	10	8	9	5	4	7	4	1	1	2	4	18
25	10	8	9	5	4	7	5	1	1	2	2	13
26	10	9	4	5	5	7	5	1	1	2	2	14
27	10	9	4	5	5	7	5	1	1	2	1	4
28	9	8	4	5	6	6	5	1	1	1	1	2
29	9	8	4	5		6	4	1	1	1	11	2
30	8	8	4	4		6	4	1	1	10	14	17
31	8		4	4		6		1		13	12	
	356	240	235	133	130	218	151	71	31	61	268	158
Mean	11.5	8.0	7.6	4.3	4.6	7.0	5.0	2.3	1.0	2.0	8.6	5.3
Acre-Feet	706	476	466	264	258	432	300	141	61	121	532	313

Max. disch., 31 cfs Sept. 30

Year Mean 5.62

1933 Acre-Feet 4,070

Plate No. 37

Daily discharge, in second-feet, of Rainbow inlet canal near Dingle, Idaho *for the year ending September 30, 19*54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	53	144	169	144	182	204	372	426	11	16	51	13
2	50	148	160	138	191	210	372	410	12	15	44	14
3	55	148	132	142	188	217	378	380	14	15	51	15
4	76	150	105	144	177	213	388	346	14	15	55	16
5	100	144	113	148	184	210	396	326	13	15	44	15
6	100	150	146	152	180	202	429	313	12	15	55	14
7	89	165	171	154	180	177	472	346	12	27	63	13
8	72	167	162	160	169	182	490	375	12	41	67	12
9	76	182	150	167	165	215	496	394	12	39	67	12
10	71	193	150	168	160	245	526	341	12	39	58	11
11	69	186	141	169	156	274	532	264	12	38	51	11
12	67	175	132	154	165	330	514	262	12	34	48	12
13	69	152	148	154	173	318	508	254	12	36	44	12
14	69	148	152	144	175	326	517	231	12	38	51	12
15	80	152	167	152	186	378	493	180	12	46	50	11
16	67	156	171	156	191	399	452	156	13	63	43	11
17	85	146	158	160	184	415	418	148	13	65	41	11
18	89	140	150	165	184	438	369	132	13	51	27	11
19	94	138	160	162	215	460	367	109	14	51	26	11
20	94	126	175	160	169	429	383	89	14	48	19	11
21	104	111	169	158	177	429	386	48	14	36	15	12
22	107	113	175	156	191	432	391	19	13	27	16	12
23	109	162	155	160	195	438	386	31	12	24	17	12
24	113	165	155	158	222	438	388	46	12	19	15	12
25	121	165	130	155	222	421	410	46	13	14	13	12
26	136	171	120	152	217	413	440	26	13	26	12	12
27	142	169	124	150	247	407	460	27	14	26	11	12
28	148	173	132	152	226	396	469	22	14	36	12	12
29	146	175	136	150		383	452	22	15	50	12	12
30	148	177	148	158		372	460	16	16	60	12	12
31	144		145	173		375		16		63	13	13
	2,963	4,691	4,601	4,815	5,271	10,346	13,114	5,801	387	1,088	1,104	369
Mean	95.6	156	148	155	188	334	437	187	12.9	35.1	35.6	12.3
Acre-Feet	5,880	9,300	9,130	9,550	10,450	20,520	26,010	11,510	768	2,160	2,190	732

U. S. GOVERNMENT PRINTING OFFICE

Year or Mean 149
Acre-Feet 108,200

Plate No. 38

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

Daily discharge, in second-feet, of Montpelier Creek at Irrigators Weir near Montpelier, Idaho *, for the year ending September 30, 19* 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.6	8.9	8.9	7.1	7.4	7.1	8.3	32	27	15	8.6	7.8
2	7.7	9.1	8.5	7.1	7.2	7.4	8.0	29	24	14	8.3	8.0
3	8.3	9.1	7.7	7.1	7.0	7.7	8.0	27	23	14	8.3	8.5
4	8.8	9.4	7.8	7.0	7.0	7.4	8.6	28	23	13	8.3	8.5
5	8.9	10	7.7	7.1	7.1	7.6	10	29	22	13	8.3	8.2
6	8.3	12	8.0	7.0	7.2	7.6	12	31	24	13	8.3	7.7
7	8.3	11	8.0	7.1	7.0	7.4	12	30	25	14	8.3	7.6
8	8.2	10	7.7	7.0	6.6	7.4	11	31	24	14	8.3	7.6
9	8.3	10	8.0	7.0	6.5	10	12	31	22	14	7.6	7.6
10	8.3	9.9	7.2	6.5	7.4	11	13	31	29	14	7.6	7.6
11	8.5	11	6.2	7.0	7.4	10	13	32	26	13	8.0	7.4
12	8.5	10	7.7	7.0	7.1	8.9	15	31	23	13	8.3	7.7
13	8.8	9.9	7.7	6.8	7.4	8.5	17	31	22	13	9.4	8.0
14	8.6	10	7.4	7.1	7.6	8.5	19	30	22	13	8.6	8.0
15	8.9	9.6	7.6	7.6	7.2	8.2	21	28	21	13	8.3	7.8
16	9.3	9.1	7.4	7.4	7.1	8.5	22	28	22	12	8.0	7.7
17	9.1	9.6	7.2	7.4	7.1	8.8	26	28	21	12	8.0	7.7
18	8.8	9.3	7.7	7.2	7.2	8.5	33	28	20	12	8.0	7.4
19	8.9	8.8	7.7	7.2	7.0	8.2	33	27	19	14	7.6	7.4
20	8.9	7.8	8.0	6.5	7.2	8.3	31	27	18	13	7.6	7.6
21	8.9	8.2	7.4	7.0	7.2	8.3	33	34	18	12	8.3	7.8
22	9.1	8.3	6.2	7.6	7.1	8.3	34	37	17	11	8.6	7.8
23	9.3	9.1	5.9	7.6	7.2	8.3	35	31	17	11	8.0	7.7
24	9.9	8.9	5.7	7.8	7.2	8.4	37	28	17	10	6.8	8.0
25	9.9	8.6	5.9	7.6	7.4	8.3	39	28	16	10	7.2	7.4
26	9.4	9.4	5.6	6.8	7.7	8.0	38	28	16	10	7.2	7.4
27	9.3	10	6.4	7.4	7.2	8.3	36	28	19	11	7.4	7.6
28	9.1	9.6	7.1	7.6	7.2	8.6	39	26	19	10	7.4	7.7
29	9.1	9.1	7.4	7.6		8.6	37	26	16	9.9	7.6	7.6
30	9.1	8.8	7.2	7.7		8.3	35	26	16	9.4	7.6	7.2
31	9.1		7.1	7.6		8.0		26		9.0	8.0	
	273.2	284.5	226.0	223.5	200.9	258.4	695.9	907	628	379.3	247.8	232.0
Mean	8.81	9.48	7.29	7.21	7.18	8.34	23.2	29.3	20.9	12.2	7.99	7.73
Acre-Feet	542	564	448	443	398	513	1,380	1,800	1,250	752	492	460

Year or Period: Mean 12.5; Acre-Feet 9,040

Plate No. 39

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

contents in thousands of acre-feet

Daily ~~discharge, in second-feet,~~ of Bear Lake at Lifton near St. Charles, Idaho, for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	864.8	856.0	858.7	862.1	868.9	892.7	926.8	961.0	940.5	898.2	825.7	744.0
2	864.8	856.0	859.4	862.1	869.6	893.4	927.5	961.7	937.8	895.4	823.7	741.3
3	864.1	856.0	859.4	862.1	869.6	894.0	928.2	962.4	935.7	892.7	821.0	738.6
4	864.1	856.0	859.4,	862.1	870.2	894.7	928.9	962.4	933.7	890.0	819.0	735.9
5	863.4	856.6	859.4	862.1	870.9	895.4	930.3	962.4	932.3	887.9	817.0	733.2
6	863.4	857.3	859.4	862.8	870.9	896.1	931.6	963.1	930.3	885.9	815.0	730.6
7	862.8	857.3	860.0	862.8	871.6	896.8	932.3	963.8	928.9	883.2	812.3	728.0
8	862.1	857.3	860.0	862.8	871.6	897.5	933.0	963.8	926.8	881.1	809.6	725.3
9	862.1	857.3	860.0	862.8	872.3	899.5	933.7	963.8	925.5	879.0	807.6	722.6
10	861.4	858.0	860.0	862.8	872.3	900.9	935.0	963.8	925.5	878.4	805.6	719.9
11	861.4	858.0	860.0	862.8	873.0	902.3	936.4	964.5	924.8	876.4	803.6	717.3
12	860.7	858.0	860.0	862.8	873.6	903.7	937.1	964.5	924.8	874.3	800.9	716.0
13	860.7	858.0	860.0	862.8	874.3	904.3	938.4	963.8	924.8	872.3	798.9	714.7
14	860.0	858.0	860.0	862.8	875.7	905.0	939.8	963.8	924.8	870.2	796.2	713.3
15	860.0	858.0	860.0	863.4	877.0	905.7	941.2	963.8	924.1	867.5	793.5	712.0
16	860.0	858.0	860.0	863.4	879.1	906.4	942.5	963.1	922.0	865.5	790.8	710.6
17	860.0	858.0	860.7	864.1	881.1	907.1	945.9	962.4	920.7	862.8	788.2	709.3
18	859.4	858.0	860.7	864.1	883.2	908.4	945.3	961.7	920.0	860.0	784.8	708.0
19	858.7	858.0	860.7	864.1	884.5	909.1	946.6	961.0	918.6	857.3	781.5	706.6
20	858.0	858.0	860.7	864.1	885.9	909.8	948.0	960.4	917.9	854.6	778.8	704.7
21	857.3	858.0	860.7	864.1	886.6	910.5	949.4	959.7	917.3	851.9	776.1	703.3
22	856.6	858.0	860.7	864.1	887.2	911.8	950.8	961.0	915.9	848.2	773.4	702.0
23	856.0	858.0	860.7	864.8	887.9	912.5	952.1	960.4	914.5	846.5	770.8	702.0
24	856.0	858.0	861.4	865.5	889.3	913.9	952.8	959.0	913.2	843.8	768.7	702.0
25	855.3	858.0	861.4	866.2	890.0	915.2	953.5	956.9	911.8	841.1	766.1	702.0
26	855.3	858.7	861.4	866.2	890.6	916.6	954.9	954.9	909.8	838.4	763.4	702.0
27	855.3	858.7	861.4	866.8	891.3	919.3	955.5	952.8	908.4	836.4	760.7	702.0
28	855.3	858.7	861.4	867.5	892.0	921.3	956.9	950.1	906.4	834.4	757.4	702.0
29	856.0	858.7	861.4	868.2		923.4	958.3	947.3	903.7	832.4	754.0	702.0
30	856.0	858.7	861.4	868.2		924.8	959.0	944.6	900.9	830.4	750.6	702.0
31	856.0		861.4	868.9		925.5		942.5		827.7	747.3	

Change in contents (1,000's of acre-ft) during month

MEAN	-10.2	+2.7	+2.7	+7.5	+23.1	+33.5	+33.5	-16.5	-41.6	-73.2	-80.4	-45.3
ACRE-FEET	-166	Equivalent discharge in cfs +45	+44	+122	+416	+545	+563	-268	-699	-1,190	-1,308	-761

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Max. contents 964,500 acre-ft May 11,12

YEAR MEAN -164.2

~~22~~ ACRE-FEET -227

Plate No. 40

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

Daily discharge, in second-feet, of Bear Lake outlet canal near Paris, Idaho *, for the year ending September 30, 19* 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	24	2	2	2	1	1	1	1	653	1,110	843	868
2	24	2	2	2	1	1	1	1	755	1,120	849	868
3	24	2	2	2	1	1	1	1	640	1,110	852	893
4	24	2	2	2	1	1	1	1	526	1,100	824	912
5	24	2	2	2	1	1	1	1	619	1,100	741	902
6	24	2	2	1	1	1	1	1	743	1,140	685	902
7	24	2	2	1	1	1	1	1	767	1,270	773	899
8	24	2	2	1	1	1	1	1	625	1,300	758	905
9	24	2	2	1	1	1	1	1	366	1,230	791	880
10	24	2	2	1	1	1	1	177	324	1,160	871	849
11	24	2	2	1	1	1	1	581	159	1,130	893	650
12	24	3	2	1	1	1	1	573	15	1,090	944	454
13	24	3	2	1	1	1	1	589	15	1,150	874	401
14	24	3	2	1	1	1	1	649	258	1,220	773	304
15	14	3	2	1	1	1	1	737	545	1,200	791	245
16	3	3	2	1	1	1	1	767	563	1,130	840	343
17	3	3	2	1	1	1	1	788	515	1,160	915	310
18	3	3	2	1	1	1	1	900	431	1,220	908	278
19	2	3	2	1	1	1	1	1,050	424	1,230	951	254
20	2	3	2	1	1	1	1	1,100	415	1,220	940	235
21	2	3	2	1	1	1	1	1,110	525	1,130	1,040	209
22	2	3	2	1	1	1	1	945	734	1,010	1,040	214
23	2	3	2	1	1	1	1	828	803	963	971	137
24	2	3	2	1	1	1	1	1,060	794	918	896	28
25	2	2	2	1	1	1	1	1,090	846	912	877	24
26	2	2	2	1	1	1	1	945	963	915	880	24
27	2	2	2	1	1	1	1	663	1,010	871	856	22
28	2	2	2	1	1	1	1	516	1,000	797	890	24
29	2	2	2	1		1	1	468	998	688	883	23
30	2	2	2	1		1	1	379	1,040	718	871	110
31	2		2	1		1		483		846	871	
	385	73	62	36	28	31	30	16,407	18,071	33,158	26,871	13,167
Mean	12.4	2.4	2.0	1.2	1.0	1.0	1.0	529	602	1,070	867	439
Acre-Feet	764	145	123	71	56	61	60	32,540	35,840	65,770	53,300	26,120

Max. Disch. 1,340 cfs July 7, 1954

Year or ~~xxxxx~~ Mean 297

Acre-Feet 214,800

Plate No. 41

9-811c UNITED STATES DEPARTMENT OF THE INTERIOR -GEOLOGICAL SURVEY—WATER RESOURCES DIVISION File No. _____

Daily discharge, in second-feet, of Georgetown Creek Near Georgetown, Idaho *for the year ending September 30, 19* 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	31	28	26	25	24	24	24	25	33	31	31	29
2	31	28	26	25	24	24	24	25	33	31	31	29
3	31	28	26	25	24	24	24	25	33	32	31	29
4	31	28	26	25	24	24	25	25	32	32	31	29
5	31	28	26	25	24	24	25	25	33	32	31	29
6	30	28	26	25	24	24	25	26	33	32	31	29
7	30	28	26	25	24	24	25	26	33	31	31	29
8	30	27	26	25	24	24	24	26	33	31	31	28
9	30	27	26	25	24	25	24	27	33	31	30	28
10	30	27	26	25	24	25	24	28	34	31	30	28
11	30	27	26	25	24	25	24	30	33	31	30	28
12	30	27	26	25	24	24	25	31	32	31	30	29
13	30	27	26	25	24	24	25	31	32	31	29	28
14	30	27	26	25	24	24	25	31	32	31	29	28
15	30	27	26	25	24	24	25	31	32	31	29	28
16	29	27	26	25	24	24	25	32	32	31	29	28
17	29	27	25	25	24	24	25	32	32	31	29	28
18	29	27	25	25	24	24	25	32	31	31	30	28
19	29	27	25	25	24	24	25	32	31	31	30	28
20	28	27	25	25	24	24	25	32	31	31	30	28
21	28	27	25	25	24	24	25	35	31	31	30	28
22	28	27	25	25	24	24	25	35	31	31	29	28
23	28	27	25	25	24	24	25	34	31	31	29	28
24	28	26	25	25	24	24	25	34	31	31	29	28
25	28	26	25	25	24	24	25	34	32	31	29	28
26	28	26	25	24	24	24	25	35	32	31	29	28
27	28	26	25	24	24	25	25	34	32	31	29	28
28	28	26	25	24	24	25	25	34	32	31	29	28
29	28	26	25	24		25	25	34	32	31	29	28
30	28	26	25	24		24	25	34	31	31	29	28
31	28		25	24		24		33		31	29	
	907	810	791	769	672	750	743	948	963	965	923	848
MEAN	29.3	27.0	25.5	24.8	24.0	24.2	24.8	30.6	32.1	31.1	29.8	28.3
ACRE-FEET	1,800	1,610	1,570	1,530	1,330	1,490	1,470	1,880	1,910	1,910	1,830	1,680

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YEAR OR PERIOD MEAN 27.6
ACRE-FEET 20,010

Plate No. 42

9-211c

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

File No.

Daily discharge, in second-feet, of Cottonwood Creek near Cleveland, Idaho *, for the year ending September 30, 19* 54.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.5	6.5	9.5	8.5	10	12	16	52	10	5.0	2.3	1.3
2	1.6	5.8	8.8	9.0	9.5	11	16	43	8.8	4.7	2.4	1.7
3	1.7	5.2	8.0	9.5		10	20	37	7.8	4.5	2.4	2.2
4	1.8	5.4	8.4	10		10	22	32	6.9	4.3	2.9	2.2
5	1.8	5.7	7.2	9.9		10	42	34	6.9	3.4	3.6	2.0
6	1.8	6.6	7.5	9.9	9.0	11	51	38	9.9	3.4	5.0	1.4
7	2.4	6.3	7.8	9.9		12	44	36	10	3.2	4.1	1.4
8	2.3	5.7	6.3	9.9		15	43	30	8.4	2.9	3.4	1.3
9	2.2	5.7	6.9	9.9		32	46	29	8.1	2.8	3.2	1.2
10	2.2	5.7	8.0	9.5		50	47	28	9.5	2.9	2.9	1.4
11	2.6	6.0	7.0	9.0	10	40	52	25	11	2.6	3.0	1.3
12	3.0	6.0	5.7	9.0	11	28	65	22	8.1	2.3	3.2	2.2
13	3.0	6.0	6.3	9.5	11	24	70	20	6.6	1.8	3.2	3.0
14	3.0	6.0	6.9	10	11	24	80	15	7.8	1.4	3.2	3.0
15	3.0	6.3	8.8	10	11	23	82	13	7.2	1.8	2.9	2.9
16	3.4	6.3	10	11	11	20	82	12	12	2.3	2.6	2.8
17	3.4	8.1	10	11	11	20	94	10	12	2.3	2.2	2.8
18	4.7	8.4	11	11	11	18	111	8.4	9.9	2.6	2.2	2.9
19	5.0	7.2	12	11	10	18	94	6.0	8.8	3.0	1.6	3.0
20	5.0	6.0	12	11	10	18	90	5.7	8.4	3.0	1.7	3.0
21	5.7	6.6	11	10	11	18	78	8.8	7.5	3.0	1.8	2.9
22	6.3	6.6	10	9.9	11	17	77	16	5.4	2.6	2.2	2.8
23	6.0	8.8	9.0	9.9	11	18	85	9.9	5.0	2.3	1.7	3.9
24	7.2	9.5	9.0	10	11	18	90	6.0	4.7	2.0	1.4	5.4
25	7.8	9.5	8.0	10	12	15	90	5.2	4.5	1.7	1.5	4.3
26	7.8	9.9	8.5	9.0	11	13	81	5.0	4.5	1.7	1.3	3.9
27	7.8	9.9	8.4	9.5	11	16	73	6.3	7.2	2.8	1.3	3.6
28	7.5	10	8.5	9.9	14	18	100	6.0	8.4	2.9	1.5	3.4
29	7.2	9.1	9.1	9.9		10	76	6.6	6.0	2.4	1.4	3.4
30	7.2	8.8	9.0	11		14	63	8.8	5.4	2.2	1.3	3.2
31	7.2		8.5	11		13		9.1		2.2	1.0	
	133.1	213.6	267.1	308.6	290.5	584	1,980	583.8	236.7	86.0	74.4	79.8
Mean	4.29	7.12	8.62	9.95	10.4	18.8	66.0	18.8	7.89	2.77	2.40	2.66
Acre-Feet	264	424	530	612	576	1,160	3,930	1,160	469	171	148	158

Year or Period — Mean 13.3 — Acre-Feet 9,600

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Plate No. 43

9-211c. 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 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18	50	55	53	56	52	75	137	30	19	15	14
2	18	52	48	53	53	50	90	133	29	21	14	15
3	18	55	44	53	50	48	133	114	28	19	14	13
4	18	56	48	53	49	48	173	101	26	19	14	13
5	18	56	49	53	49	48	224	104	28	21	14	13
6	16	60	47	53	50	48	244	114	29	20	13	12
7	16	50	50	53	48	52	170	127	30	19	13	12
8	18	49	48	55	48	70	163	122	30	18	13	12
9	18	49	49	53	48	198	173	122	29	16	13	12
10	16	49	57	52	50	190	166	119	29	17	14	12
11	13	49	52	52	52	156	159	114	28	16	15	12
12	16	48	55	55	52	106	184	106	28	16	15	12
13	18	49	56	53	62	86	202	101	29	15	13	12
14	18	48	55	53	84	86	285	95	29	16	12	12
15	18	50	56	53	66	82	248	86	30	16	12	12
16	18	50	56	55	59	86	224	80	30	15	11	12
17	19	53	56	55	56	86	256	77	29	14	11	12
18	21	52	55	53	57	84	318	68	29	16	13	13
19	22	52	56	56	52	78	309	60	29	16	15	13
20	27	49	59	55	52	77	268	53	26	18	14	12
21	44	49	59	52	52	80	236	55	25	17	16	12
22	45	52	53	55	53	75	221	66	23	16	15	11
23	48	56	49	56	52	78	180	53	24	16	13	18
24	53	56	48	72	56	80	153	45	25	16	12	25
25	52	55	48	59	62	82	159	39	22	16	13	15
26	50	55	48	52	65	78	159	33	23	15	13	13
27	50	55	52	59	59	80	153	31	26	13	15	16
28	49	53	49	62	52	82	170	29	25	12	13	16
29	49	53	53	59		86	149	31	22	12	13	16
30	47	52	52	57		87	143	32	21	12	14	16
31	44		52	57		73		31		14	13	
	895	1,562	1,614	1,711	1,544	2,612	5,787	2,478	811	506	418	408
Mean	28.9	52.1	52.1	55.2	55.1	84.3	193	79.9	27.0	16.3	13.5	13.6
Acre-Feet	1,780	3,100	3,200	3,390	3,060	5,180	11,480	4,920	1,610	1,000	829	809

Year or Period Mean 55.7 Acre-Feet 40,360

Plate No. 44

9-211a

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

File No.

Elevation in Feet, and Contents in

~~Daily discharge,~~ in acre feet, of **Hyrum Reservoir near Hyrum, Utah** for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								15,280	13,360	9,960	5,610	2,510
2									13,220	9,840	5,500	2,450
3									13,130	9,750	5,400	2,340
4									12,900	9,410	5,360	2,280
5									12,800	9,200	5,320	2,250
6									12,670	9,040	5,220	2,170
7									12,530	8,870	5,110	2,140
8									12,390	8,750	4,940	2,110
9									12,350	8,500	4,800	2,050
10	3,840	4,600	7,700	10,180	10,440	10,790	14,290		12,260	8,380	4,700	2,000
11									12,170	8,300	4,460	1,920
12									12,080	8,100	4,360	1,890
13									12,030	7,940	4,290	1,830
14									11,940	7,700	4,230	1,810
15									11,900	7,580	4,100	1,750
16								15,280	11,810	7,460	3,930	1,720
17								15,230	11,760	7,340	3,800	1,670
18								15,190	11,720	7,070	3,740	1,640
19								15,190	11,580	6,990	3,640	1,640
20	3,110	5,430	8,950	10,220	10,520	12,670	15,090	15,090	11,540	6,880	3,480	1,640
21								15,040	11,490	6,680	3,420	1,640
22								14,810	11,310	6,610	3,330	1,620
23								14,580	11,220	6,530	3,230	1,540
24								14,430	10,960	6,380	3,110	1,510
25								14,290	10,700	6,310	2,990	1,510
26								14,100	10,650	6,270	2,930	1,460
27								13,870		6,120	2,870	1,460
28					10,570			1?,780		6,010	2,720	1,430
29								13,640		5,900	2,690	1,430
30		6,720					15,280	13,540	10,090	5,860	2,660	1,430
31	3,740		9,790	10,440		13,780		13,450		5,760	2,570	

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

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Mean	+780	+2,980	+3,070	+650	+130	+3,210	+1,500	-1,830	-3,360	-4,330	-3,190	-1,140

Equivalent mean discharge in cubic feet per second.

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Acre-Feet	+12.7	+50.1	+49.9	+10.6	+2.3	+52.2	+25.2	-29.8	-56.5	-70.4	-51.9	-19.2

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Change in Contents — Year: Mean -1,530; Acre-Feet -2.1

Plate No. 45

9-2116 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, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.3	0.5	2.3	4.0	60	71	61	254	2.2	2.0	1.3	0.9
2	1.1	.6	2.3	12	59	68	60	247	2.2	2.0	2.0	1.1
3	1.0	.5	2.3	23	58	66	94	102	2.3	1.8	2.0	1.8
4	1.1	.6	2.3	31	57	64	117	28	1.9	2.2	1.9	1.8
5	1.1	.6	2.2	38	56	62	141	6.1	1.9	3.0	2.3	1.8
6	1.1	.9	2.2	41	55	61	163	8.1	2.3	2.5	1.8	1.8
7	1.3	.8	2.3	45	54	61	193	9.8	2.2	2.0	1.3	1.8
8	1.0	.6	2.2	47	54	64	226	43	1.6	1.9	.9	1.8
9	.9	.6	2.2	49	54	81	170	60	1.6	1.6	.9	1.4
10	.9	.6	2.3	48	53	44	114	60	1.6	1.5	.9	1.1
11	.9	.6	2.3	48	54	5.9	165	97	1.6	1.5	.9	.9
12	.8	.6	2.3	48	54	5.7	147	74	1.6	1.5	.9	1.0
13	.7	.6	2.3	50	56	5.5	189	35	1.6	1.5	.9	1.0
14	.7	.8	2.3	50	67	5.3	174	9.0	1.6	1.5	.7	.9
15	.8	.9	2.3	50	71	5.0	191	8.1	2.2	1.4	.7	.9
16	.9	.9	2.5	50	70	4.8	252	7.3	3.0	1.4	.7	.8
17	.9	1.0	2.5	52	69	4.6	288	6.4	3.8	1.6	.8	.7
18	.8	1.3	2.5	53	70	4.8	285	5.9	3.7	1.9	.9	.7
19	.7	1.3	2.5	55	68	4.8	285	5.5	3.0	2.0	1.3	.7
20	.6	1.1	2.6	54	66	4.8	285	5.7	2.6	1.5	1.6	.7
21	.6	1.5	2.6	40	65	4.8	285	5.5	2.5	2.0	1.5	.7
22	.6	2.0	2.6	31	65	4.8	280	5.5	2.6	1.5	1.6	1.3
23	.6	2.0	2.5	38	65	5.0	276	4.2	2.6	1.3	1.1	2.5
24	.6	2.0	2.5	53	65	5.0	123	3.5	2.8	1.0	.9	1.6
25	.6	2.0	2.5	64	67	5.0	45	3.0	3.2	1.0	.9	1.5
26	.6	2.0	2.5	61	70	23	45	2.6	3.2	1.1	.8	1.1
27	.6	2.2	2.6	61	45	65	100	2.8	3.0	1.0	.8	.9
28	.6	2.2	2.6	61	76	65	240	2.5	3.0	1.0	.7	.9
29	.6	2.0	2.6	64		65	264	2.2	2.8	1.0	.7	.9
30	.5	2.3	2.6	62		65	256	2.8	2.3	.9	.7	.9
31	.5		2.6	62		61		2.0		.9	.7	
	25.0	35.6	74.9	1,445.0	1,723	1,061.8	5,514	1,110.5	72.5	49.0	35.1	35.9
Mean	.81	1.19	2.42	46.6	61.5	34.3	184	3.58	2.42	1.58	1.13	1.20
Acre-Feet	50	71	149	2,870	3,420	2,110	10,940	2,200	144	97	70	71

U. S. GOVERNMENT PRINTING OFFICE 16 46004-1

Year Mean 30.6

Acre-Feet 22,190

Plate No. 46

Daily discharge, in second-feet, of Logan River above State Dam near Logan, Utah, for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	19	31	11	13	12	12	11	31	44	18	17	17
2	19	31	11	12	12	12	11	19	36	18	16	17
3	19	36	11	12	12	12	15	15	41	18	16	18
4	19	40	12	12	12	12	26	14	42	17	16	17
5	19	32	12	12	12	16	40	18	55	17	17	18
6	18	38	12	12	12	17	42	69	62	17	17	17
7	18	35	12	11	12	17	15	114	66	17	16	17
8	18	31	12	11	12	17	14	136	57	17	16	17
9	18	25	11	12	12	26	16	174	62	17	16	17
10	18	19	11	11	12	48	14	223	60	17	16	17
11	18	19	12	11	12	36	14	223	52	17	16	18
12	19	20	12	11	12	25	14	236	46	18	16	18
13	19	22	12	11	13	15	111	242	41	18	16	18
14	18	22	12	12	12	16	188	248	30	18	16	18
15	18	20	13	12	12	16	200	239	27	18	16	18
16	18	21	12	12	12	18	91	242	36	18	16	18
17	17	20	12	11	12	18	28	252	40	18	16	21
18	17	17	12	11	12	18	48	245	32	18	16	23
19	26	17	12	12	12	14	32	245	27	21	16	18
20	35	16	12	12	12	12	21	242	31	19	16	18
21	34	14	12	12	12	14	15	275	47	18	16	18
22	32	11	12	12	12	14	22	319	47	18	17	19
23	38	13	12	12	12	16	18	278	44	18	17	19
24	42	11	12	12	12	17	22	205	40	18	16	15
25	42	11	12	12	12	17	55	194	35	18	16	14
26	38	11	12	12	12	16	73	185	32	19	16	14
27	36	11	12	12	12	17	67	153	34	18	16	14
28	36	11	12	12	12	17	96	105	30	18	17	14
29	35	11	12	12		15	71	81	20	20	17	14
30	46	11	12	12		14	48	71	18	20	17	13
31	32		12	12		13		50		18	17	
	801	627	368	365	337	547	1,438	5,143	1,234	559	505	514
Mean	25.8	20.9	11.9	11.8	12.0	17.6	47.9	166	41.1	18.0	16.3	17.1
Acre-Feet	1,590	1,240	730	724	668	1,080	2,850	10,200	2,450	1,110	1,000	1,020

U. S. GOVERNMENT PRINTING OFFICE

Year: Mean 34.1, Acre-Feet 24,660

Plate No. 47

Daily discharge, in second-feet, of Utah Power & Light Co.'s Tailrace near Logan, Utah, *for the year ending September 30, 19*54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	113	114	113	93	89	86	87	193	183	178	111	85
2	113	114	110	95	87	80	91	193	182	178	110	86
3	113	114	109	96	86	80	96	193	182	175	109	89
4	111	114	110	96	90	84	98	193	182	174	109	86
5	111	114	108	97	89	80	98	198	182	170	110	83
6	111	114	107	97	86	85	129	196	180	167	110	84
7	110	114	110	97	81	91	132	194	180	162	107	84
8	110	114	105	97	89	89	128	194	178	159	105	84
9	113	114	104	97	87	95	125	193	182	154	103	81
10	113	113	108	93	90	98	128	193	182	152	103	81
11	113	114	98	91	87	98	129	193	180	148	102	80
12	113	115	103	97	86	98	137	193	180	146	104	81
13	113	115	104	95	93	95	46	193	180	141	104	81
14	113	115	99	93	97	97	0	193	180	138	103	79
15	111	115	104	98	87	96	0	193	182	137	101	78
16	110	115	105	98	89	96	106	193	183	131	99	78
17	111	115	104	97	86	97	185	191	183	131	99	77
18	111	113	103	95	90	97	191	191	182	128	97	75
19	111	109	102	95	83	95	193	191	182	132	96	74
20	111	105	104	90	85	92	191	190	182	131	96	72
21	111	113	105	86	87	95	191	190	182	127	97	72
22	110	111	96	96	86	93	180	188	180	125	[illegible]	72
23	110	114	87	96	85	92	193	185	180	122	98	85
24	109	114	86	101	86	95	194	185	182	122	95	101
25	108	110	81	95	89	90	194	186	180	119	92	98
26	108	110	86	84	91	91	194	186	182	119	90	96
27	109	113	95	90	89	92	194	185	182	119	91	95
28	109	113	90	95	85	93	193	185	182	116	90	96
29	109	111	98	93		93	193	183	182	114	89	96
30	86	111	89	92		92	193	183	180	110	87	96
31	114		86	89		87		183		111	86	
	3,418	3,390	3,109	2,924	2,455	2,842	4,209	5,900	5,439	4,136	3,091	2,525
Mean	110	113	100	94.3	87.7	91.7	140	190	181	140	99.7	84.2
Acre-Feet	6,780	6,720	6,170	5,800	4,870	5,640	8,350	11,700	10,790	8,600	6,130	5,010

Year or Period: Mean 120; Acre-Feet 86,560

U. S. GOVERNMENT PRINTING OFFICE

Plate No. 48

Daily discharge, in second-feet, of **Logan, Hyde Park & Smithfield Canal near Logan, Utah** *, for the year ending September 30, 19* 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	24	0.7	7.0	6.5	4.0	3.7	2.3	68	114	56	31	23
2	24	.6	6.5	6.5	4.0	3.4	2.9	60	108	51	30	23
3	23	.6	6.5	6.1	4.0	3.7	.7	44	94	49	29	23
4	23	.6	6.5	6.1	4.0	3.7	.2	41	86	47	32	24
5	23	.6	6.5	5.7	4.0	1.5	.2	69	88	44	34	24
6	22	.7	6.5	5.3	4.0	.2	.4	90	78	45	29	23
7	22	.7	6.5	5.3	4.0	.1	.6	106	72	43	29	24
8	22	.7	6.5	4.9	4.0	.1	.4	115	64	41	29	22
9	20	.7	6.1	4.9	4.3	.2	.4	119	56	42	28	22
10	19	.6	6.1	4.6	4.3	.6	.4	122	56	41	28	22
11	19	.6	5.7	4.6	4.3	.7	.4	120	54	40	29	22
12	19	.6	6.1	4.6	4.3	.6	.4	131	53	40	27	22
13	19	.7	6.1	4.6	4.6	6.1	.1	131	57	40	27	22
14	17	.7	6.1	4.6	4.6	6.1	0	128	64	40	27	22
15	21	.9	6.1	4.9	4.0	1.5	0	124	66	40	27	22
16	19	.9	5.7	4.9	4.0	.1	.4	119	70	40	27	22
17	18	.7	5.3	4.6	4.0	.2	.7	124	72	38	27	22
18	19	.6	4.9	4.6	4.0	.2	.6	128	73	38	26	23
19	8.3	.7	4.9	4.6	3.7	.7	20	130	76	43	26	23
20	2.3	.9	5.3	4.3	3.7	2.9	24	129	78	38	26	22
21	2.0	4.1	5.3	4.3	3.7	1.5	22	126	68	36	27	22
22	2.0	8.6	4.3	4.6	3.7	1.3	29	100	66	36	26	22
23	1.8	9.0	4.3	4.9	3.4	.2	42	75	66	36	25	17
24	1.3	8.2	4.6	4.9	3.4	0	62	90	65	34	25	4.3
25	1.1	7.0	4.9	4.6	3.4	0	68	91	64	33	25	3.7
26	.9	6.5	5.7	4.3	3.7	0	80	92	64	33	24	3.4
27	.9	6.5	6.5	4.3	3.7	0	86	94	64	33	24	3.4
28	.9	6.5	6.5	4.3	3.7	0	81	108	63	32	24	3.4
29	.9	6.5	7.0	4.3		0	71	110	60	32	24	3.4
30	1.1	7.0	7.0	4.0		0	75	110	56	32	24	3.4
31	.9		6.5	4.0		.4		112		31	24	
	397.4	83.7	183.5	150.7	110.5	39.7	671.1	3,206	2,115	1,224	840	539.0
MEAN	12.8	2.79	5.92	4.86	3.95	1.28	22.4	103	70.5	39.5	27.1	18.0
ACRE-FEET	788	166	364	299	219	79	1,330	6,360	4,200	2,430	1,670	1,070

YEAR MEAN 26.2

PERIOD ACRE-FEET 18,980

Plate No. 49

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

combined

Daily discharge, in second-feet, of Logan River above State Dam, Utah Power & Light Co.'s Tailrace & Logan, Hyde Park & Smithfield Canal near Logan, Utah, for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	156	146	131	112	105	102	100	292	341	252	159	125
2	156	146	128	114	103	95	105	272	326	247	156	126
3	155	151	126	114	102	96	112	252	317	242	154	130
4	153	155	128	114	106	100	124	248	310	238	157	127
5	153	147	126	115	105	98	138	285	325	231	161	125
6	151	153	126	114	102	102	171	355	320	229	156	125
7	150	150	128	113	97	108	148	414	318	222	152	125
8	150	146	124	113	105	106	142	445	299	217	150	123
9	151	140	121	114	103	121	141	486	300	213	147	120
10	150	133	125	109	106	147	142	538	298	210	147	120
11	150	134	116	107	103	135	143	536	286	205	147	120
12	151	136	121	113	102	124	151	560	279	204	147	121
13	151	138	122	111	111	116	157	566	278	199	147	121
14	148	138	117	110	114	119	188	569	274	196	146	119
15	150	136	123	115	103	114	200	556	275	195	144	118
16	147	137	123	115	105	114	197	554	289	189	142	118
17	146	136	121	113	102	115	214	567	295	187	142	120
18	147	131	120	111	106	115	240	564	287	184	139	121
19	145	127	119	112	99	110	245	566	285	196	138	115
20	148	122	121	106	101	107	236	561	291	188	138	112
21	147	131	122	102	103	110	228	591	297	181	140	112
22	144	131	112	113	102	108	231	607	293	179	141	113
23	150	136	103	113	100	108	253	538	290	176	140	121
24	152	133	103	118	101	112	278	480	287	174	136	120
25	151	128	98	112	104	107	317	471	279	170	133	116
26	147	128	104	100	107	107	347	463	278	171	130	113
27	146	130	114	106	105	109	347	432	280	170	131	112
28	146	130	108	111	101	110	370	398	275	166	131	113
29	145	128	117	109		108	335	374	262	166	130	113
30	133	129	108	108		106	316	364	254	162	128	112
31	147		104	105		100		345		160	127	
	4,616	4,106	3,659	3,442	2,903	3,429	6,316	14,249	8,788	6,119	4,436	3,576
Mean	149	137	118	111	104	111	211	460	293	197	143	119
Acre-Feet	9,160	8,140	7,260	6,830	5,760	6,800	12,530	28,260	17,430	12,140	8,800	7,090

U. S. GOVERNMENT PRINTING OFFICE 16 60966 1

Year Mean 180

Acre-Feet 130,200

Plate No. 50

Daily discharge, in second-feet, of Blacksmith Fork above U.P. & L. Co.'s dam near Hyrum, Utah *, for the year ending September 30, 19* 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	89	89	88	83	79	82	89	175	111	89	81	76
2	89	89	87	83	78	81	95	158	109	89	79	77
3	90	88	85	84	78	81	104	146	107	89	79	77
4	89	88	87	84	78	81	116	140	106	89	79	77
5	89	89	85	83	79	81	134	142	102	89	81	77
6	88	94	85	8[illegible]	78	81	152	148	104	89	81	75
7	88	89	88	83	78	83	130	158	104	87	81	74
8	88	88	85	83	78	88	123	160	102	87	79	74
9	88	88	85	83	78	109	127	164	102	85	79	73
10	88	88	87	82	78	125	125	166	106	85	77	73
11	88	87	82	82	79	123	127	164	102	85	77	72
12	89	87	87	83	78	118	136	158	100	84	78	73
13	89	87	85	82	81	94	154	156	100	84	78	73
14	89	87	85	82	83	89	190	150	100	83	78	73
15	89	87	85	82	81	87	199	146	100	83	77	73
16	90	87	85	81	79	90	201	142	100	82	75	72
17	90	85	84	81	79	94	231	136	100	79	76	72
18	90	87	84	81	79	89	268	134	98	84	77	71
19	90	88	84	83	78	87	252	130	96	84	77	71
20	90	85	85	81	79	87	228	129	95	83	79	71
21	90	87	85	81	79	87	208	129	95	82	76	69
22	90	88	83	81	78	87	205	134	94	82	76	66
23	90	90	79	82	78	87	201	127	92	81	77	70
24	92	88	81	85	79	89	208	121	90	81	76	72
25	90	88	79	82	79	89	217	118	90	79	72	71
26	90	87	81	79	83	88	212	118	90	79	70	68
27	90	87	82	81	81	90	199	116	89	82	71	67
28	90	87	82	83	81	90	196	114	92	81	74	67
29	90	85	83	82		95	181	112	92	81	72	68
30	89	85	82	81		95	173	112	90	81	74	69
31	89		82	81		90		111		81	74	
	2,770	2,629	2,607	2,547	2,216	2,837	5,181	4,314	2,958	2,599	2,380	2,161
MEAN	89.4	87.6	84.1	82.2	79.1	91.5	173	139	98.6	83.8	76.8	72.0
ACRE-FEET	5,490	5,210	5,170	5,050	4,400	5,630	10,280	8,560	5,870	5,160	4,720	4,290

U. S. GOVERNMENT PRINTING OFFICE (A [illegible])

YEAR OR PERIOD MEAN 96.4
ACRE-FEET 69,800

Plate No. 51

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

Daily discharge, in second-feet, of Hammond (East Side) Canal near Collinston, Utah *for the year ending September 30, 1954*

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	92						0	68	140	161	149	144
2	90						0	78	140	159	158	144
3	82						0	106	139	159	160	144
4	82						0	116	140	161	160	142
5	85						0	128	133	165	160	144
6	81						0	130	122	164	160	144
7	76						0	142	125	163	158	139
8	70						0	151	124	164	157	135
9	72						0	162	121	162	160	131
10	72						0	166	103	163	159	132
11	73						0	161	98	163	160	129
12	68						0	158	109	162	159	119
13	55						0	160	122	158	162	119
14	55						0	159	146	161	162	113
15	47						0	157	143	161	162	114
16	23						0	162	152	161	164	115
17	36						0	168	152	162	164	113
18	48						0	169	155	160	162	110
19	48						0	169	161	162	162	110
20	40						0	169	167	162	164	110
21	29						0	168	172	159	158	110
22	34						0	162	174	156	158	111
23	33						0	162	174	148	143	84
24	34						0	163	175	146	147	47
25	34						0	162	178	148	146	36
26	20						66	152	180	149	145	38
27	8.9						84	144	179	149	144	38
28	12						61	143	175	149	145	37
29	20						50	142	171	147	144	37
30	11						73	142	165	147	145	38
31	0							142		147	144	
	1,530.9	0	0	0	0	0	334	4,561	4,441	4,878	4,821	3,127
Mean	49.4	0	0	0	0	0	11.1	147	148	157	156	104
Acre-Feet	0,040	0	0	0	0	0	662	9,050	8,810	9,680	9,560	6,200

U. S. GOVERNMENT PRINTING OFFICE : 16-80000-1

Year ~~Previous~~ Mean 64.9 Acre-Feet 47,000

Plate No. 52

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

File No. _____

Daily discharge, in second-feet, of **Westside Canal near Collinston, Utah** for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	393	116	54			14	0	261	644	646	595	641
2	393	116	51			0	0	268	619	644	611	639
3	393	114	52			0	0	354	617	644	611	626
4	393	112				0	0	467	617	641	608	611
5	383	111				0	0	475	562	641	619	613
6	367	110	50			0	0	506	496	644	637	617
7	360	110				0	0	619	500	677	650	606
8	343	102			28	0	0	646	494	695	663	593
9	343	93	39			0	0	670	460	695	663	587
10	344	93				0	0	668	397	695	663	566
11	344	93				0	0	681	379	692	666	522
12	333	93				0	0	711	402	695	666	451
13	316	93				0	0	722	479	692	668	496
14	290	93				0	0	725	458	692	668	484
15	256	93		28		0	0	727	408	692	668	484
16	205	94				0	0	738	429	692	659	486
17	192	93				0	0	736	473	677	648	467
18	181	93				0	0	743	630	635	646	450
19	181	93				0	0	748	644	646	644	450
20	173	92	30		25	0	0	748	697	634	644	465
21	159	90				0	0	722	722	613	622	486
22	158	90				0	0	681	725	587	619	484
23	158	90				0	0	686	725	555	619	273
24	158	76				0	0	688	722	553	617	119
25	158	65			22	0	0	679	722	555	615	135
26	110	64			22	0	0	628	718	566	613	140
27	85	64			23	0	45	593	688	578	630	144
28	78	64			23	0	270	595	659	576	637	142
29	90	63				0	283	595	670	576	637	141
30	118	59				0	300	593	661	574	637	144
31	117					0		619		574	639	
	7,572	2,732	1,106	868	735	14	898	19,292	17,417	19,676	19,782	13,062
Mean	244	91.1	35.7	28	26.2	.5	29.9	622	581	635	638	435
Acre-Feet	15,020	5,420	2,190	1,720	1,460	28	1,780	38,270	34,550	39,030	39,240	25,910

Year Mean 283

Acre-Feet 204,600

Plate No. 53

DAILY DISCHARGE IN C.F.S. OF BEAR RIVER CANALS ABOVE MYERS NARROWS

JUNE 1954	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
*HOVARRA EAST FORK	12	12	12	11	11	10	9.7	9.1	8.9	8.3	8.1	8.7	9.6	10	9.1	10	9.3	9.8	10	10	10	11	12	12	11	5.0	2.0	2.0	2.0	2.0		267.6
*HILLIARD EAST FORK	26	23	23	27	28	24	22	20	20	18	18	20	22	24	21	23	21	22	25	27	27	13	2.4	1.8	1.7	1.6	1.6	1.6	1.6	1.6		507.9
*LANNON (ONE-THIRD OF FLOW)	4.3	4.0	4.0	4.3	4.7	4.0	4.0	3.7	3.7	3.3	3.3	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	3.7	0.8	0.7	0.7	0.7	0.6	0.6		121.1
*HILLIARD WEST SIDE CANAL	29	26	26	37	40	35	32	30	28	27	26	28	38	23	9.5	9.5	9.3	9.0	9.3	9.5	9.5	5.7	3.2	3.2	3.2	3.2	3.3	3.0	2.6	7.6		517.6
BEAR CANAL	55	48	48	51	62	60	54	49	49	48	46	49	53	60	61	62	62	68	70	70	70	29	2.8	2.8	2.8	2.8	2.8	2.6	2.6	2.6		1,243.8
TOTAL	114.3	101.0	101.0	119.3	134.7	123.0	112.0	102.7	100.7	94.3	93.3	101.0	111.0	113.0	97.5	100.5	98.3	105.0	110.3	112.5	112.5	53.7	16.4	11.5	8.5	8.3	8.4	7.9	7.4	12.4		2,320.4
**LANNON (TWO-THIRDS OF FLOW)	8.7	8.0	8.0	8.7	9.3	8.0	8.0	7.3	7.3	6.7	6.7	8.0	11	11	11	11	11	11	11	11	11	11	11	7.3	1.6	1.5	1.5	1.3	1.3	1.3		231.5
*LONE MOUNTAIN (MASCAR)	8.4	8.4	8.4	8.4	7.8	7.1	6.6	6.0	5.8	5.5	5.3	5.0	4.8	5.0	5.3	5.1	5.2	5.2	5.3	5.4	5.5	5.4	5.3	5.2	4.6	4.9	5.0	5.1	4.0	2.8		171.8
TROPIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3	0.3	0.4	2.4	4.3	4.6	4.8	6.4	8.0	0.5	0.5	0.4	0.4	0.4	0.3	0.3		34.5
DANIELSON	14	14	14	14	14	15	14	12	12	12	12	12	13	13	14	15	14	13	13	13	13	14	14	14	13	3.9	3.9	3.9	3.8	3.8		354.3
PINE GROVE & CROWN	36	35	34	33	32	31	29	28	28	27	27	27	28	29	29	30	27	27	28	18	8.0	25	42	43	45	43	0.5	0.5	0.4	0.2		790.6
*McCRAW & BIG BEND	17	17	17	17	16	16	14	12	12	11	11	12	12	14	16	20	16	17	18	20	21	23	25	26	26	28	18	8.7	8.2	7.6		496.5
HOOKER	2.2	2.2	2.2	2.2	2.2	2.1	1.8	1.4	1.4	1.2	1.2	2.5	3.8	4.2	4.5	4.5	3.8	3.8	3.8	4.0	4.3	5.0	5.8	6.0	6.1	6.2	3.4	0.7	0.7	0.7		93.9
LEWIS	0.5	0.5	0.5	0.5	0.6	0.6	0.4	0.3	0.3	0.2	0.2	3.3	3.3	3.7	3.7	1.7	1.5	1.5	1.5	7.2	13	13	13	7.4	1.7	1.5	1.5	1.4	1.3	1.3		87.1
LEWIS & BLANCHARD	7.0	7.0	7.0	6.8	7.5	8.2	7.2	6.3	5.9	5.5	5.1	4.4	3.7	6.8	9.9	3.0	2.5	2.3	2.1	5.4	8.7	8.8	8.9	5.6	2.2	2.0	1.9	1.8	1.4	1.1		156.0
MYERS #2	1.2	1.2	1.2	1.2	0.8	0.5	0.5	0.5	0.7	0.8	1.9	1.0	1.0	1.6	2.3	2.7	2.4	2.4	2.4	4.1	5.8	4.2	2.6	3.0	3.4	3.4	3.6	3.9	3.4	2.8		65.6
HARE	1.9	1.9	1.9	1.9	1.6	1.3	1.2	1.0	1.0	1.2	1.2	2.9	4.6	5.2	5.8	7.1	4.9	4.4	4.0	4.3	4.7	5.4	6.0	6.8	7.6	8.0	7.8	7.6	5.9	4.2		123.3
COFFMAN #1	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0	0	0	1.3	2.6	3.8	4.9	5.0	5.1	5.6	2.2	3.3	4.4	3.6	2.8	4.2	5.6	5.1	4.7	5.0	5.4	4.1	2.8		84.0
COFFMAN #2	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0	0	0	4.1	8.2	8.7	9.2	9.2	9.2	9.4	8.2	8.6	9.0	8.8	8.6	9.0	9.4	7.4	5.5	4.8	4.1	2.6	1.1		146.7
KNOKER	11	11	11	11	11	11	10	9.4	9.6	9.9	7.6	7.2	6.8	7.9	9.0	9.7	9.7	8.4	7.0	6.3	5.6	6.8	8.1	4.6	1.0	1.2	1.3	1.4	1.0	0.5		216.0
TOTAL STATE LINE TO MYERS NARROWS	108.7	107.0	106.0	105.2	103.3	101.3	92.9	84.2	84.0	81.0	83.7	96.1	108.5	115.7	125.0	124.4	113.4	108.8	117.3	116.7	117.8	139.4	102.9	104.4	125.2	114.2	58.6	46.2	38.4	30.5		3,051.8
JULY 1954																																
*HOVARRA EAST FORK	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	0.3	0	0	0	0.3	0.1	0.1	0	7.0	7.7	8.3	7.1	6.7	5.7	5.0	4.8	4.6	5.0	6.3	4.5	4.4	4.3	4.0	97.8
*HILLIARD EAST FORK	13	22	27	27	30	26	23	24	23	22	19	21	27	27	25	22	26	23	24	20	19	17	16	15	14	16	18	14	13	12	12	637.0
*LANNON (ONE-THIRD OF FLOW)	4.0	6.0	5.0	5.0	6.0	6.0	5.0	4.7	4.7	4.3	4.0	4.0	4.7	4.7	4.3	4.0	4.0	4.3	4.3	4.0	3.7	3.3	3.0	2.7	2.5	2.6	3.3	2.6	2.3	2.2	2.0	123.2
*HILLIARD WEST SIDE CANAL	21	23	28	28	30	27	23	20	19	16	15	20	28	28	27	27	29	30	30	25	15	14	14	9.8	7.8	7.8	8.3	7.8	7.4	7.2	7.2	600.3
BEAR CANAL	28	48	53	60	70	58	52	50	53	38	26	24	34	33	31	25	28	31	33	24	17	14	13	12	12	13	18	12	10	10	9.4	939.4
TOTAL	66.0	99.0	113.0	120.0	136.0	117.0	103.0	98.7	99.7	80.3	64.0	69.0	93.7	92.7	87.3	75.0	87.0	88.3	91.3	73.0	54.7	48.3	46.0	37.5	36.3	39.4	47.6	36.4	32.7	31.4	30.6	2,299.9
**LANNON (TWO-THIRDS OF FLOW)	8.0	11	11	11	11	11	10	9.3	9.3	8.7	8.0	8.0	9.3	9.3	8.7	8.0	6.0	8.7	8.7	8.0	7.3	6.7	6.0	5.5	5.1	5.2	6.5	5.2	4.7	4.3	4.1	245.6
*LONE MOUNTAIN (MASCAR)	2.4	2.1	1.9	1.8	1.6	1.5	1.3	1.1	1.0	1.0	1.0	1.0	1.2	1.4	1.2	0.9	0.8	1.0	1.2	1.0	0.9	0.8	0.7	1.1	1.5	1.8	1.8	1.8	1.8	1.8	1.8	42.2
TROPIC	0.3	0.2	0.3	0.3	0.6	1.0	0.8	0.6	0.5	0.5	0.4	0.2	0.6	0.8	1.5	2.2	2.5	2.7	2.8	2.0	1.1	1.0	0.9	0.9	0.9	0.9	0.8	0.6	0.5	0.4	0.4	29.2
DANIELSON	8.4	13	8.8	9.0	9.2	9.4	9.4	9.4	9.1	8.8	6.6	4.3	5.6	6.9	6.2	5.6	6.6	7.6	8.5	8.6	8.8	8.7	8.5	8.2	8.0	7.7	7.2	6.8	6.4	6.0	6.0	243.3
PINE GROVE & CROWN	19	38	23	21	19	17	14	12	11	11	12	13	15	17	14	12	14	16	17	19	20	17	15	15	14	14	15	16	14	12	10	496.0
McCRAW & BIG BEND	7.3	7.0	6.4	6.1	5.8	5.5	5.2	4.9	4.8	4.8	4.2	3.6	3.6	3.7	3.4	3.1	3.3	3.3	3.3	3.4	3.5	3.3	3.1	3.0	2.9	2.8	2.8	2.7	2.7	2.7	2.7	124.9
HOOKER	0.8	0.8	1.3	1.5	1.8	2.0	1.4	0.8	0.7	0.6	1.4	2.3	2.5	2.7	2.0	1.4	1.2	2.0	2.7	2.7	2.7	2.4	2.0	1.8	1.6	1.4	1.2	0.9	0.6	0.4	0.4	45.0
LEWIS	3.1	4.9	6.6	6.7	6.7	6.8	5.1	4.0	5.9	7.8	6.5	5.2	5.0	4.9	4.6	4.2	4.0	3.8	3.6	3.4	3.1	2.8	2.6	2.6	2.5	2.5	2.3	2.0	1.7	1.5	1.5	128.2
LEWIS & BLANCHARD	1.6	2.3	1.8	1.8	2.9	4.0	3.8	3.5	2.4	1.4	1.6	1.7	1.8	1.9	1.8	1.7	1.6	2.1	2.6	2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.1	2.0	1.9	1.9	1.9	68.6
MYERS #2	0	0	0	0	0.6	1.3	1.1	0.9	0.8	0.6	1.5	2.4	2.6	2.4	1.8	1.2	1.1	1.6	2.0	2.0	2.0	2.0	2.0	1.7	1.6	1.4	1.4	1.4	1.4	1.4	1.4	41.5
HARE	2.2	0.2	1.8	1.7	1.5	1.3	0.7	0.1	0.1	0	0.5	1.0	1.8	2.7	1.8	0.8	0.7	1.8	2.9	2.7	2.5	1.8	1.2	1.0	0.8	0.6	0.6	0.5	0.4	0.3	0.3	36.3
COFFMAN #1	1.8	0.7	0.3	0	0	0	0	0	0	0	0	0	0.5	1.0	0.6	0.2	0.2	0.3	1.5	1.2	0.7	0.6	0.3	0	0	0	0.1	0.2	0.1	0	0	10.5
COFFMAN #2	0.8	0.4	0.4	0.4	0.5	0.7	0.4	0	0	0	0.4	0.8	2.0	3.1	1.6	0	0.1	0.3	2.3	1.8	1.3	0.8	0.6	0.3	0.1	0	0.5	1.0	0.6	0.3	.3	21.8
KNOKER	0.2	0	0	0.3	0.7	1.0	0.9	0.8	0.9	1.0	2.1	3.2	3.2	2.1	3.0	4.0	4.4	3.6	2.8	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.7	0.5	0.5	51.2
TOTAL STATE LINE TO MYERS NARROWS	56.7	80.4	83.6	81.6	81.9	82.5	54.4	47.4	46.5	46.2	46.2	46.7	54.5	59.9	52.2	45.3	48.5	54.8	61.9	60.9	59.0	52.5	47.2	45.2	42.7	41.7	43.6	42.0	37.5	33.5	31.3	1,587.3

* Canals diverting in Utah

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

GPO 837414 PLATE NO 54

DAILY DISCHARGE IN C.F.S. OF BEAR RIVER CANALS ABOVE MYERS NARROWS

AUG. 1954	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
*HOVARRA EAST FORK	3.8	3.5	3.5	4.0	4.6	4.5	2.9	2.6	2.4	2.2	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35.3
*HILLIARD EAST FORK	11	10	10	12	14	10	9.5	9.0	8.8	8.7	9.1	12	10	10	11	9.2	9.7	9.4	9.2	8.8	9.6	8.7	8.1	7.8	7.6	7.2	7.4	7.1	7.4	7.0	6.9	283.2
*LANNON (ONE-THIRD OF FLOW)	2.1	2.2	2..	2.2	2.9	2.4	2.2	2.0	2.0	1.9	1.9	2.4	2.2	2.2	2.2	1.9	1.8	1.8	1.8	1.8	2.1	1.9	1.8	1.7	1.5	1.4	1.4	1.4	1.4	1.4	1.3	59.2
*HILLIARD WEST SIDE CANAL	7.0	6.8	6.3	6.6	7.0	6.6	6.1	5.7	5.5	5.5	5.1	5.3	5.3	5.3	5.3	5.1	4.2	4.5	4.5	4.5	4.7	4.7	4.5	4.5	4.3	4.3	4.1	3.9	3.9	3.9	3.7	99.6
BEAN CANAL	9.4	7.8	7.8	10	12	11	9.8	9.4	8.0	6.5	5.0	6.3	6.3	6.5	6.3	5.8	5.5	5.2	5.2	5.2	5.5	5.2	5.0	4.8	4.5	4.2	4.2	4.5	4.2	4.2	4.2	203.5
TOTAL	29.5	28.8	28.1	30.8	35.9	30.0	27.6	26.1	24.3	22.8	21.1	26.0	23.8	24.0	24.8	22.0	20.9	19.9	19.7	20.3	21.9	20.5	19.4	18.8	17.9	17.1	17.1	16.9	16.9	16.5	16.3	705.5
**LANNON (TWO-THIRDS OF FLOW)	4.2	4.3	4.1	4.5	5.9	4.8	4.3	4.1	4.0	3.7	3.9	4.8	4.5	4.5	4.5	3.9	3.5	3.6	3.5	3.6	4.2	3.7	3.6	3.3	3.1	2.8	2.7	2.7	2.7	2.7	2.5	118.2
*LONE MOUNTAIN (MASSAE)	1.4	1.1	1.5	1.8	2.2	1.8	1.3	0.9	0.5	0.5	0.5	1.0	0.8	0.7	0.6	0.5	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	23.1
TROPIC	0.2	0.1	0.1	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	0.3	0.3	0.3	0.2	0	0	3.0
DANIELSON	4.3	3.8	4.8	5.6	7.2	6.2	5.4	3.9	2.5	2.5	2.4	2.3	1.9	1.9	1.1	0.7	0.7	0.7	0.6	0.6	0.8	0.7	0.8	0.8	0.8	0.8	0.8	1.1	1.3	1.6	1.6	261.2
PINE GROVE & CROWN	9.2	8.4	11	13	16	14	12	10	8.4	10	12	13	12	8.4	6.1	3.8	2.8	1.9	5.4	8.2	8.5	8.2	7.9	7.6	6.9	6.1	5.3	5.7	6.1	6.6	7.1	62.9
McGRAW & BIG HEND	2.6	2.4	2.4	2.5	2.5	2.4	2.3	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.1	2.0	2.0	1.9	1.9	1.7	1.7	1.5	1.3	1.1	1.1	87.1
HOMEN	0.2	0	0.2	0.4	0.6	0.6	0.2	0.2	0	0	0.1	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	3.1
LEWIS	3.2	4.8	5.8	6.8	7.8	6.8	5.6	4.8	3.9	3.8	3.4	3.4	3.2	2.9	2.6	2.3	1.8	1.2	1.0	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6	1.2	1.8	1.8	1.5	62.7
LEWIS & BLANCHARD	1.6	1.4	1.8	2.2	2.6	2.5	2.4	2.3	2.2	2.4	2.6	2.7	2.8	2.9	3.0	3.2	3.0	2.8	2.6	2.4	2.3	2.2	2.1	2.0	1.5	1.0	0.5	0.5	0.4	0.4	0.4	29.3
MYERS #2	1.1	0.8	0.9	1.0	1.1	1.0	0.8	0.6	0.7	0.9	1.0	1.2	1.2	1.5	1.6	1.7	1.6	1.4	1.2	1.0	0.9	0.8	0.7	0.6	0.6	0.6	0.5	0.6	0.5	0.5	0.5	29.3
HARE	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	0	0	0	0	0	0	0.9
COFFMAN #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
COFFMAN #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
ENDEEN	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	6.4
TOTAL STATE LINE TO MYERS NARROWS	29.2	27.6	33.2	36.7	46.4	40.4	34.4	29.0	26.6	26.1	28.5	31.7	29.5	25.9	22.5	19.1	17.0	15.0	17.7	20.5	20.5	19.5	19.0	17.9	16.5	14.7	13.1	14.2	14.8	15.2	1 ?	9.3
SEPT 1954																																731.6
*HOVARRA EAST 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
*HILLIARD EAST FORK	7.4	9.4	17	11	10	9.2	8.9	11	9.7	9.2	9.4	10	11	10	9.0	8.4	8.6	8.2	8.1	7.9	7.8	7.7	11.	10.	9.0	9.4	8.6	8.2	8.1	8.1		281.1
*LANNON (ONE-THIRD OF FLOW)	1.3	1.5	2.6	2.0	1.8	1.6	1.5	1.6	1.7	1.7	1.6	1.6	2.0	2.0	1.9	1.8	1.5	1.0	1.0	0.9	0.9	0.9	1.1	1.3	1.2	1.2	1.5	1.5	1.5	1.5		45.4
*HILLIARD WEST SIDE CANAL	3.9	3.9	4.9	4.7	4.3	3.9	3.7	3.7	3.7	5.3	11	11	13	12	11	11	8.8	5.3	4.9	4.9	4.7	1.0	0.8	0.9	0.9	0.9	0.6	0.2	0.2	0.2		152.6
BEAN CANAL	4.2	4.0	3.8	3.4	3.2	3.2	3.2	3.4	3.4	3.2	3.2	3.2	3.4	3.4	3.2	3.0	3.0	3.2	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.1	0.5		83.2
TOTAL	16.8	18.8	28.3	21.1	19.3	17.9	17.3	19.7	20.1	25.1	25.2	26.0	29.4	27.4	25.1	24.2	21.7	17.7	17.0	16.5	16.0	12.0	15.1	14.2	12.9	13.1	12.1	11.1	10.9	10.3		562.3
**LANNON (TWO-THIRDS OF FLOW)	2.5	3.1	5.2	4.0	3.5	3.2	3.1	3.1	3.3	3.3	3.2	3.8	4.1	4.1	3.7	3.5	2.9	1.9	1.9	1.9	1.9	1.8	2.3	2.5	2.5	2.5	1.9	1.9	1.9	1.9		86.2
*LONE MOUNTAIN (MASSAE)	0.5	0.5	0.6	0.8	0.9	1.0	1.1	1.0	0.9	0.8	0.8	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3		17.2
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	1.6	1.5	1.5	1.6	1.6	1.7	1.7	1.6	1.4	1.3	1.2	1.2	1.1	1.1	0.9	0.7	0.6	1.0	1.5	2.0	2.4	2.1	1.8	1.5	1.4	1.4	1.3	1.0	0.8	0.8		41.2
PINE GROVE & CROWN	7.6	8.0	8.4	8.7	9.0	9.4	9.8	9.2	8.7	8.2	8.2	8.2	8.2	8.2	6.7	5.2	3.7	4.0	4.3	4.6	5.0	7.0	9.0	11	11	11	11	6.3	3.6	1.6		222.8
McGRAW & BIG HEND	1.2	1.3	1.3	1.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.8	2.7	4.6	6.6	6.5	6.5	6.4	5.6	4.8	4.8		69.7
HOMEN	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	0.8	0.6	0.4	0.2	0	0	0		2.9
LEWIS	1.1	0.8	1.2	1.7	2.2	2.7	3.2	3.4	1.6	0.8	0.7	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.8	1.0	1.2	1.4	1.6	1.8	1.6	1.5	1.3	1.2	1.1		37.7
LEWIS & BLANCHARD	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.8	1.0	1.2	1.4	1.0	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.4	0.4	0.5		16.1
MYERS #2	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.6	0.5	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	1.0	1.4	1.7	1.5	1.4	1.2	1.0	0.8		25.6
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		0.5
COFFMAN #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
COFFMAN #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
ENDEEN	0	0	0	0	0	0	0	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	0.1	0.2	0.7	0.2	0.1	0.1	0.1	0.2	0.4	0.5	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.6	0.8	1.2	1.7	1.7	1.6	1.6	1.6	1.7	1.7		19.5
	15.8	16.6	19.6	19.6	20.1	21.0	22.0	20.4	19.1	17.6	17.5	18.0	18.5	18.7	16.0	13.4	10.6	10.4	11.4	12.4	13.4	18.2	23.9	29.1	28.2	27.6	26.1	20.0	14.2	14.1		553.5

PLATE NO. 55

* Canals diverting in Utah

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

DAILY DISCHARGE IN C.F.S. OF BEAR RIVER CANALS FROM MYERS NARROWS TO STATE LINE NEAR WOODRUFF

JUNE 1954	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MYERS #1	15	15	15	15	14	14	12	9.8	10	11	7.5	5.8	4.0	8.0	12
MYERS #1a	1.1	1.1	1.1	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.5	0.5	0.5	0.9	1.3
MYERS IRRIGATION	29	29	26	28	27	27	25	23	20	22	18	18	18	22	26
BOOTH	15	15	15	15	18	22	19	16	16	16	14	13	12	15	23
ANEL	2.5	2.5	2.5	2.5	2.4	2.3	1.4	0.5	0.6	0.8	0	0	0	1.4	2.5
CORNELISON	2.8	2.8	2.8	2.8	2.8	2.8	2.4	2.1	1.8	1.4	1.4	1.2	1.2	1.5	1.8
EVANSTON WATER SUPPLY	6.6	6.6	6.6	6.6	6.6	6.6	6.3	6.1	5.9	5.7	5.7	5.7	5.7	5.8	5.8
KNIGHT #2	8.5	8.0	7.4	6.7	7.0	7.2	5.9	4.5	4.9	5.1	4.5	4.2	4.0	6.4	3.7
STATE HOSPITAL	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.0	0.6	0.4	0.3	2.4	1.4
EVANSTON WATER	40	40	40	40	41	41	37	33	34	35	26	22	17	27	37
BARTON	1.0	1.2	1.4	1.6	1.6	1.9	2.2	3.1	3.1	2.9	4.0	5.2	5.1	5.0	5.0
FAULKNER	12	12	12	12	12	12	12	12	12	12	11	9.1	12	14	18
ROCKY MOUNTAIN-BLYTH	8.0	8.0	8.0	8.0	8.8	9.4	10	9.9	8.3	8.3	7.8	6.8	7.6	6.5	10
PAINTER	2.0	2.0	2.0	2.0	2.0	2.7	2.5	2.6	1.4	0.8	0.5	0.2	0.3	0.4	0.5
CROMPTON #1	6.7	6.7	6.7	6.7	6.7	6.7	6.7	7.7	6.8	6.9	5.4	3.9	3.4	3.9	5.3
FIFE	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
BRUCE BARTON	0.7	0.7	0.7	0.7	0.7	0.7	[illegible]	[illegible]	1.7	1.9	1.0	0.1	3.6	7.3	9.0
BENNETT	0	0	0	0	0	0	0.6	0.5	[illegible]	0	0	0	1.5	3.7	2.7
A. W. SIMS	0	0	0	0	0	0	1.6	2.6	2.0	2.0	1.4	0.5	3.4	5.1	6.1
JOHN ANDERSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CROMPTON #2	3.0	3.0	3.0	3.0	3.0	2.4	1.9	1.0	1.1	1.3	3.[illegible]	1.3	1.2	2.3	5.0
FRANK	0	0	0	0	0	0	0	0	0.1	0.2	0.4	0.6	4.5	12	12
SAXTON-TURNER	0	0	0	0	0	0	0	0	0	0	0	0	0	3.8	4.4
SAXTON-IRRIGATION	1.5	2.0	2.7	3.3	4.0	4.7	5.4	5.8	7.2	8.6	7.8	7.0	8.4	9.9	29
JOHN SIMS	5.4	6.0	6.6	7.2	7.8	8.4	5.9	8.2	8.9	9.1	7.6	6.0	6.9	7.8	11
SOUTHERN PACIFIC	6.0	6.0	6.0	6.0	6.7	9.4	12	11	11	11	10	8.5	7.0	5.5	8.0
HEBARD	0.8	0.8	0.8	0.8	0.8	1.0	1.1	0.9	0.7	0.6	0.4	0.3	0.1	0	0.3
SAXTON-THOMAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RAMSEY	8.0	8.0	8.0	8.0	8.1	11	14	13	12	11	9.4	7.7	6.0	4.3	7.2
ALMY	2.7	2.7	2.7	2.7	2.7	3.5	4.3	3.4	2.5	1.6	1.1	0.6	0.3	0	2.3
SIMS-BLIGHT-TURNER	5.2	5.2	5.2	5.2	5.2	5.5	5.8	5.5	5.0	4.4	5.6	4.9	3.6	2.2	4.5
DOWNS	3.1	3.1	3.1	3.1	3.1	3.2	3.4	3.5	3.2	2.9	2.6	2.3	2.4	2.6	6.8
RUSSELL	0	0	0	0	0	0.1	0.2	0.2	0.1	0	0	0	0.6	1.1	4.5
TURNER	2.5	2.5	2.5	2.5	2.5	2.7	2.9	2.6	3.7	4.8	4.6	4.3	3.0	1.8	6.8
BARTLETT	0	0	0	0	0	0.2	0.5	0.5	0.4	0.3	0.1	0	0.1	0.2	0.3
MORRIS BROS.	1.5	2.0	2.5	3.0	3.4	5.0	6.5	7.0	6.3	5.6	4.6	3.3	2.4	1.5	8.3
CHAPMAN	65	80	65	55	55	65	70	75	61	54	40	33	26	21	67
LOWER MORRIS	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0
BRUCE DOWNS	6.5	6.5	6.5	6.5	6.4	6.4	6.4	17	16	15	12	11	7.5	4.3	13
TUNNEL	5.3	5.3	5.3	5.3	5.3	10	15	14	12	11	10	8.8	7.6	6.5	12
POWERS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHRISTENSEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UPPER ISLAND	6.5	6.5	6.5	6.5	7.1	6.1	5.1	4.3	5.9	6.1	6.3	5.0	4.8	4.5	4.0
BLIGHT IRRIGATION	12	12	12	12	12	12	12	12	11	12	12	8.8	6.2	7.5	8.0
ACOCK & CONLISHAW	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0	0.8	1.7	3.0	3.5	3.0	2.6	1.9
LOWER ISLAND	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.5	2.1	2.7	5.0	6.7	6.3	5.0	4.2
FRANCIS-LEE	35	36	36	30	25	23	27	29	28	27	23	20	19	18	18
BEAR RIVER	39	44	42	33	31	31	28	31	30	32	29	23	21	19	19
TOTAL	363.8	386.1	369.5	345.7	344.6	371.2	381.7	384.5	359.2	356.1	304.4	262.6	249.0	291.4	426.3
* TOTAL UPPER WYOMING COMPACT	586.8	594.1	576.5	570.2	582.6	595.5	586.6	571.4	543.9	531.4	481.4	459.7	466.5	510.1	649.8

JUNE 1954	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
MYERS #1	14	16	14	12	12	12	12	12	14	16	17	18	18	15	12		382.1
MYERS #1a	1.3	1.4	1.5	1.5	1.6	1.7	1.7	1.8	2.0	2.0	3.0	3.0	3.0	1.8	1.8		41.7
MYERS IRRIGATION	32	32	29	26	26	26	26	29	32	35	40	55	50	42	35		677.0
BOOTH	11	2.[illegible]	2.2	1.8	1.9	2.0	3.4	3.4	3.5	3.6	3.5	3.6	3.7	5.7	7.7		301.7
ANEL	4.8	6.7	6.6	6.6	4.6	2.5	3.2	3.9	5.4	7.0	7.1	3.6	0	2.4	4.5		91.3
CORNELISON	1.9	2.2	2.1	2.0	1.9	1.8	1.8	1.8	2.0	2.2	2.2	4.9	7.2	7.2	7.2		86.0
EVANSTON WATER SUPPLY	6.0	6.1	5.8	5.4	7.5	9.6	7.4	5.2	5.0	4.9	4.4	4.4	4.4	4.2	3.9		176.5
KNIGHT #2	8.7	6.7	8.7	8.7	7.0	5.6	4.4	3.8	3.1	2.5	2.5	3.2	3.9	4.2	4.4		172.5
STATE HOSPITAL	3.6	2.6	2.1	1.6	2.1	2.6	2.3	2.3	1.3	0.3	0	0	0	2.4	4.7		47.9
EVANSTON WATER	36	36	37	37	32	26	22	22	22	22	1.2	2.6	4.0	28	53		890.8
BARTON	5.[illegible]	4.6	4.2	4.0	3.9	3.8	3.7	3.6	3.[illegible]	3.3	3.2	3.0	2.9	2.4	1.9		97.2
FAULKNER	21	18	16	14	12	11	9.2	12	15	[illegible]	3.6	3.8	3.8	5.6	7.4		346.1
ROCKY MOUNTAIN-BLYTH	12	11	10	9.0	8.2	7.[illegible]	6.6	9.3	12	13	12	16	17	14	12		297.6
PAINTER	0.6	2.1	1.2	0.2	0.3	0.4	0.4	1.7	3.0	2.6	2.3	3.3	4.3	3.7	3.2		50.7
CROMPTON #1	7.6	11	9.2	6.8	6.0	5.3	4.4	5.0	5.1	5.5	5.4	7.0	6.2	7.0	5.8		189.6
FIFE	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
BRUCE BARTON	11	11	9.6	9.3	9.1	8.5	8.7	8.7	8.7	8.1	9.6	6.4	3.2	4.4	8.0		158.2
BENNETT	1.2	1.4	1.0	0.5	0.8	0.8	0.7	1.3	1.5	0.9	0	0.1	0.3	0.3	0.3		20.9
A. W. SIMS	7.1	7.0	6.5	6.2	6.1	6.0	5.7	6.0	6.2	6.[illegible]	6.9	6.6	6.3	6.4	5.8		119.6
JOHN ANDERSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
CROMPTON #2	8.0	7.6	7.2	7.3	8.0	8.6	8.7	9.0	9.3	9.7	10	5.6	1.1	3.3	5.4		140.9
FRANK	13	6.7	5.3	4.4	4.6	4.8	4.0	3.8	3.7	4.4	4.2	4.2	4.5	3.3	2.3		101.3
SAXTON-TURNER	4.4	4.4	4.4	4.0	[illegible]	[illegible]	3.6	3.7	3.5	3.5	4.7	4.2	4.4	4.1	3.4		[illegible]
SAXTON-IRRIGATION	32	34	17	33	29	25	25	23	23	31	16	2.4	2.4	2.5	2.6		425.2
JOHN SIMS	13	14	13	11	11	10	10	5.6	1.7	2.2	2.6	1.4	0.2	1.4	2.6		215.[illegible]
SOUTHERN PACIFIC	10	11	10	9.2	8.6	8.0	7.8	5.5	3.2	4.0	4.8	4.3	3.8	4.7	5.6		224.6
HEBARD	0.7	2.2	1.7	0.8	0.6	0.3	0.1	0.2	0.3	1.1	1.9	3.2	4.5	3.5	2.5		32.6
SAXTON-THOMAS	0	0.2	0.1	[illegible]	0	[illegible]	[illegible]	[illegible]	0	0.1	0.1	0.6	1.1	0.7	0.4		5.3
RAMSEY	10	17	13	9.7	8.2	6.6	5.1	7.1	9.1	7.2	5.4	5.7	6.0	6.5	7.0		259.3
ALMY	1.6	1.0	0.3	1.5	1.2	0.4	2.1	3.3	4.5	7.5	5.4	3.4	1.3	1.3	1.1		[illegible]
SIMS-BLIGHT-TURNER	4.4	4.6	4.8	4.2	3.8	3.5	3.3	3.2	3.0	4.3	4.6	4.5	4.5	4.0	3.4		133.1
DOWNS	6.5	7.0	7.6	6.6	5.8	4.9	4.9	4.8	4.8	3.2	3.3	3.5	3.6	4.1	4.6		123.6
RUSSELL	1.7	1.8	2.0	1.4	1.2	0.9	1.3	1.7	2.[illegible]	3.8	3.7	3.6	3.5	2.9	2.3		37.4
TURNER	6.6	8.0	9.1	7.4	6.5	5.4	4.3	5.3	5.2	5.8	5.0	4.2	3.4	4.4	5.3		138.7
BARTLETT	0.9	1.0	1.2	1.0	0.8	0.6	0.8	[illegible]	7.6	1.3	1.4	1.4	1.5	1.3	1.1		17.7
MORRIS BROS.	12	12	13	11	[illegible]	7.5	[illegible]	10	12	14	16	18	20	18	19		284.4
CHAPMAN	93	158	131	91	75	60	50	56	61	3.4	3.4	3.5	4.4	4.7	2.4		1,619.7
LOWER MORRIS	0.1	0.1	0.1	0.1	0.2	0.3	1.9	3.5	5.0	6.0	7.2	9.5	12	6.3	3.5		57.0
BRUCE DOWNS	13	17	21	17	11	11	5.0	7.0	5.8	17	18	22	26	19	16		373.8
TUNNEL	18	30	26	22	19	18	18	15	15	22	21	24	26	23	22		448.4
POWERS	0	0	0	0	0	0	0	0	0	0.2	0.4	2.2	3.9	1.7	1.0		9.4
CHRISTENSEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
UPPER ISLAND	6.3	9.0	12	8.2	8.2	7.7	7.2	6.[illegible]	9.0	11	14	16	19	16	12		248.0
BLIGHT IRRIGATION	11	14	16	10	[illegible]	7.9	5.9	3.9	8.4	11	6.8	8.4	[illegible]	[illegible]	4.0		[illegible]
ACOCK & CONLISHAW	1.9	6.0	10	7.4	6.0	4.7	3.6	2.5	1.4	[illegible]	11	14	10	15	10		135.[illegible]
LOWER ISLAND	4.3	12	21	11	9.7	8.4	6.4	5.4	3.8	10	16	21	26	22	16		243.7
FRANCIS-LEE	18	27	31	26	21	18	15	14	12	14	20	4.3	4.3	6.3	[illegible]		[illegible]
BEAR RIVER	19	25	43	39	30	23	19	15	12	15	24	0.5	2.1	3.1	3.1		723.8
TOTAL	494.0	605.2	610.5	499.6	437.6	382.1	350.5	348.4	346.8	366.6	356.9	360.2	355.[illegible]	[illegible]	[illegible]		11,[illegible]
* TOTAL UPPER WYOMING COMPACT	718.9	816.9	824.3	722.2	666.8	612.4	543.[illegible]	525.9	500.7	500.3	479.4	487.8	489.6	346.3	417.3		17,[illegible]43.3

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

DAILY DISCHARGE IN C.F.S. OF BEAR RIVER CANALS FROM MYERS NARROWS TO STATE LINE NEAR WOODRUFF

JULY 1954	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	6.6	1.3	1.3	1.3	2.4	3.4	2.4	1.3	0.8	0.4	1.0	1.7	1.2	0.8	1.0	1.3	1.3	2.0	2.8	2.5	2.2	1.6	1.4	1.4	1.0	0.6	0.2	0.2	0.1	0	0	44.3
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	20	3.5	2.1	1.8	1.6	1.4	1.4	1.4	1.4	1.4	2.0	2.7	2.9	3.1	1.6	0	0	1.7	3.4	3.4	3.7	3.5	3.3	3.1	2.8	2.6	1.9	1.2	0.5	0	0	79.6
BOOTH	5.4	3.0	5.7	4.1	2.5	1.0	0.8	0.6	0.6	0.5	0.6	0.8	1.4	2.0	1.6	1.2	0.3	2.8	5.3	7.8	4.0	3.1	2.2	1.6	1.1	0.6	0.6	0.6	0.5	0.5	0.5	63.3
ANEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONNELISON	4.3	0.8	0.4	0.4	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	6.6
EVANSTON WATER SUPPLY	7.0	11	8.3	7.8	7.4	7.0	6.6	6.2	5.4	4.9	4.9	4.9	6.0	7.0	6.8	6.6	6.2	5.1	3.9	2.8	3.9	3.5	3.1	3.0	2.8	2.6	2.6	2.7	2.8	2.8	2.8	158.6
KNIGHT #2	6.0	3.6	3.0	2.7	2.3	1.9	0.5	1.1	1.0	1.0	1.1	1.1	1.0	1.0	0.9	0.9	1.2	1.2	1.2	1.2	4.0	2.9	1.8	1.6	1.5	1.3	1.0	0.7	0.4	0	0	47.2
STATE HOSPITAL	3.5	2.3	0.6	0.5	0.3	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	7.4
EVANSTON WATER	34	15	11	9.2	7.2	5.2	3.4	1.7	0.9	0.5	0.4	0.2	0.7	1.1	1.0	0.9	0.5	2.5	4.6	6.6	8.1	6.6	5.0	3.7	2.5	1.3	1.4	1.5	1.6	1.7	1.7	141.7
BARTON	1.4	1.0	0.6	0.5	0.4	0.3	0.2	0	0	0	0	0	0.4	0.4	0.4	0.4	0.3	0.4	0.6	0.8	0.7	0.7	0.3	0.4	0.2	0.1	0	0	0	0	0	5.7
FAULKNER	9.1	4.6	2.5	2.3	2.1	1.9	1.9	1.8	0	0	0	0	0.4	0.4	0.5	0.4	0.3	0.5	0.6	0.8	0.7	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	12.7
ROCKY MOUNTAIN-HEITNE	10	7.0	3.5	3.1	2.8	2.4	1.7	1.0	0.8	0.5	0.4	0.3	0.1	0.4	0.5	0.4	0.3	0.5	0.6	0.8	0.7	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	42.9
PAINTER	2.7	2.0	1.2	0.9	0.6	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	7.8
CROMPTON #1	4.6	4.1	3.4	2.7	2.0	1.2	0.9	0.6	0.7	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.3	0.1	0.1	0.1	0.3	0.5	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	28.8
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-HARRAMOND	0	0	0	0	0	0	0	0	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	7.3	5.6	3.8	3.0	2.2	1.6	2.0	2.6	2.2	1.7	1.8	1.9	1.5	1.5	1.5	1.4	1.2	1.4	1.6	1.9	1.8	1.7	1.5	1.1	0.8	0.4	0.4	0.4	0.3	0.3	0.2	56.3
BENNETT	0.3	0.8	1.4	1.1	0.8	0.5	0.5	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	12.5
A. H. SIMS	5.6	4.7	3.8	3.2	2.6	2.0	1.9	1.8	1.6	1.5	1.4	1.3	1.2	1.3	1.4	1.3	1.2	1.8	2.4	3.0	3.0	3.0	2.7	2.2	1.7	1.2	1.3	1.3	1.2	1.1	1.1	64.8
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	0
CROMPTON #2	7.8	6.4	5.1	3.9	2.7	1.5	1.1	0.7	0.6	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.7	0.8	0.8	0.8	0.8	0.7	0.6	0.4	0.3	0.9	0.8	0.8	0.7	60.9
FEARNE	1.4	3.1	2.6	2.2	1.8	1.4	0.9	0.4	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.9	1.0	0.8	0.5	0.3	0.2	0.2	0.2	0.1	21.3
SAXTON-FISHER	3.5	2.6	2.3	1.9	1.5	1.2	0.9	0.5	0.4	0.2	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15.1
SAXTON-IRRIGATION	2.7	17	14	11	7.7	4.7	4.7	3.8	3.6	3.4	3.1	2.8	1.6	1.3	1.0	0.9	0.8	0.8	0.6	0.6	0.8	0.9	0.8	0.7	0.5	0.4	0.7	0.6	0.5	0.4	0.3	92.7
JOHN SIMS	3.7	5.2	2.0	1.5	1.0	0.5	0.6	0.6	0.3	0	0	0	0	0	0	0.6	0.7	0.6	0.6	0.3	0.3	0.3	0.2	0.2	0	0	0	0.3	0.3	0.3	0.3	20.3
SOUTHERN PACIFIC	6.4	5.9	5.4	4.5	3.8	3.1	2.6	2.2	1.9	1.5	1.4	1.3	1.0	0.9	0.9	0.9	0.8	0.9	1.0	1.1	1.1	0.6	0	0	0	0	0	0	0	0	0	49.2
HEWARD	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	0	0	1.4
SAXTON-THOMAS	0	0	0.9	0.7	0.5	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	2.5
RAMSEY	7.6	0	2.5	1.6	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12.5
ALBY	1.1	0.3	3.4	2.7	1.9	1.2	0.6	0.5	0.5	0.5	0.4	0.4	0.6	0.6	0.3	0.3	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.5	0.4	0.4	0.3	20.9
SIMS-WRIGHT-TURNER	2.8	2.3	1.8	1.4	0.9	0.4	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	10.1
DOWNS	5.1	3.4	1.6	1.5	1.5	1.4	1.3	1.6	1.2	0.8	0.7	0.6	0.5	0.4	0.2	0.1	0.1	0.1	0.	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	25.1
RUSSELL	1.6	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.4
TURNER	6.3	3.8	1.4	1.2	0.9	0.7	0.7	0.7	0.6	0.5	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.2	17.7
BARTLETT	1.1	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	0	0	0	0	0	0	1.7
MORRIS BROS.	19	11	3.5	2.5	1.5	0.5	0.3	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	38.6
CHAPMAN	86	33	12	6.0	5.2	4.8	4.7	3.8	3.0	2.4	2.2	2.0	1.9	1.9	1.8	1.7	1.6	1.7	1.8	1.8	1.8	1.9	1.9	3.9	2.0	2.0	2.3	2.2	2.0	1.9	1.9	201.1
LOWER MORRIS	0.7	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	0	0	0	0	1.1
BRUCE DOWNS	12	7.0	2.5	2.0	1.5	1.0	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	26.5
TURNELL	21	20	16	14	12	9.5	8.4	7.9	6.8	5.6	4.6	3.3	3.1	2.9	2.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	131.8
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
CHRISTENSEN	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	0	0
UPPER ISLAND	9.0	5.7	6.2	4.9	3.6	2.8	2.1	1.6	1.2	0.4	0.4	0.4	0.4	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	0.3	0	0	0	0	41.3
BLIGHT IRRIGATION	5.1	5.4	5.0	4.2	3.3	4.0	4.8	2.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34.2
COCK & CONLISHAW	5.3	3.0	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	0	0	0	0	0	8.9
LOGAN ISLAND	13	8.6	4.3	3.0	1.8	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	31.2
FRANCIS-LEE	23	18	12	9.0	7.2	6.1	4.6	3.5	3.2	3.8	3.2	3.1	3.1	3.1	4.0	3.0	3.0	3.0	3.0	3.5	3.5	3.2	3.2	3.3	2.5	4.2	1.8	0.8	0.6	0.6	0.4	147.6
BEAR RIVER	16	20	14	12	10	9.6	7.8	6.3	4.0	2.4	2.1	2.1	2.1	1.7	1.5	1.4	1.2	1.3	1.1	1.1	1.6	0.8	0.6	0.5	0.3	0.2	6.8	0.3	0.3	0.2	0.1	128.7
TOTAL	388.4	253.8	171.8	136.3	108.5	85.5	71.2	57.5	48.5	38.9	32.6	31.9	30.3	30.6	28.5	21.2	22.1	29.3	36.0	42.7	43.5	35.6	31.7	27.6	21.9	26.0	16.2	15.6	13.7	11.8	11.6	1,920.4
* TOTAL UPPER WYOMING COMPACT	510.3	433.2	348.4	317.9	306.4	264.0	228.6	203.6	189.7	161.4	143.0	147.6	175.5	193.0	184.0	167.5	157.6	172.4	190.0	176.6	157.2	139.4	124.9	112.1	100.9	107.1	109.2	96.0	83.9	76.7	73.5	5,906.6

PLATE NO. 57

* Includes all canals listed diverting above Woodruff narrows except Riverside East [illegible] and

DAILY DISCHARGE IN C.F.S. OF BEAR RIVER CANALS
FROM MYERS NARROWS TO STATE LINE NEAR WOODRUFF

AUG. 1954	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	10.9
BOOTH	0.5	0.6	0.6	0.7	0.8	0.6	0.5	0.3	0.2	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.5	0.4	0.3	0.2	0.2	0.3	0.3	0.4	0.3	0.2	0	0	0	0	0	0
ABEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	53.1
EVANSTON WATER SUPPLY	2.6	2.5	2.1	1.8	1.5	1.7	1.9	2.1	2.3	2.0	1.6	1.3	1.5	1.7	1.9	2.0	2.0	2.0	2.1	2.1	1.9	1.6	1.3	1.0	1.2	1.3	1.5	1.4	1.2	1.0	1.0	0
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	10.6
EVANSTON WATER	0.9	0.3	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
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	7.8
ROCKY MOUNTAIN-HEITH	0.3	0.2	0.1	0.1	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	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	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	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	0
JOHNSON-MARRANCHE	0	0	0	0	0	0	0	0	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
BRUCE BARTON	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.0
HEMMETT	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	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	0	5.6
A. W. SIMS	1.3	1.3	1.3	1.3	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	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	0	6.7
CROMPTON #2	0.6	0.6	0.5	0.5	0.4	0.3	0.3	0.3	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	0.1	0.1	0.1	0.1	0.1	0.2	0.3	6.3
FEARNE	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	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	0.2	0	4.3
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	0.3	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	0.2	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	2.0
JOHN SIMS	0	0	0	0	0	0	0	0	0	0.4	1.0	0.8	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.6	0.7	0.6	0.7	0.5	0.4	0.3	0.2	0.1	12.4
SOUTHERN PACIFIC	0	0	0	0	0	0	0	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	2.2
HEBERG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
AVEY	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	0	0	0	0	0	0	0	0	0.5
SIMS-KNIGHT-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
BURNS	0	0	0	0	0	0	0	0	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	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	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	15.1
MORRIS BROS.	0	0	0	0	0	0	0	0	0	0.7	0.5	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0
CHAPMAN	1.7	1.6	1.3	1.2	1.1	1.1	1.1	0.9	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOWER MORRIS	0	0	0	0	0	0	0	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 BURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TURNELL	0	0	0	0	0	0	0	0	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
CHRISTENSEN	0	0	0	0	0	0	0	0	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
KNIGHT 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 & 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
LOWER ISLAND	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0	0	0.2	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.3
FRANCIS-LEE	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	0	0	0	0	0	0	0	9.3
BEAR RIVER																																
TOTAL	9.3	8.4	7.6	7.3	6.7	6.0	5.6	5.4	4.8	4.8	4.9	4.0	4.3	4.5	4.8	4.8	4.6	4.3	4.1	4.0	4.0	4.1	3.9	3.8	4.0	3.2	3.0	2.7	2.3	2.0	2.0	145.2
* TOTAL UPPER WYOMING COMPACT	68.0	64.8	66.9	76.8	89.0	76.4	67.6	60.5	53.7	53.5	54.5	61.7	57.6	54.4	52.1	45.9	42.5	39.2	41.5	44.8	46.4	44.1	42.3	40.5	38.4	35.0	33.2	33.8	34.0	33.2	33.5	1,588.3

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

PLATE NO. 58

DAILY DISCHARGE IN C.F.S. OF BEAR RIVER CANALS FROM MYERS NARROWS TO STATE LINE NEAR WOODRUFF

SEPT 1954	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 THROUGH	0	0	0	0	0	0.3	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.2	0.2	0.3	0.3	0.4	0.5	0.5	1.0	1.6	2.2	2.2	2.2	2.2	2.5	2.8	3.0		25.6
ROOSEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
ABEL																																
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
EVANSTON WATER SUPPLY	1.0	1.0	1.5	2.0	2.5	3.0	3.6	3.4	3.1	2.9	3.0	3.2	3.3	3.4	3.4	3.4	3.4	3.5	3.6	3.8	3.9	3.4	3.0	2.6	2.2	1.8	1.3	1.0	0.7	0.4		78.3
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	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.5	0.7	0.8	1.0		9.6
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
FAIRBURN	0	0	0	0	0	0	0	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-SMITH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
PARVIN	0	0	0	0	0	0	0	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
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-MARIANCHE	0	0	0	0	0	0	0	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	0	0	0	0	0	0	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
A. W. KIMB	0	0	0	0	0	0	0	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		0
CROMPTON #2	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	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		7.4
FRANKE	0	0	0	0	0	0	0	0	0.3	0.3	0.3	0.3	0	0	0	0	0	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		3.8
BARTON-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
ALTON-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 KIMB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
SOUTHERN PACIFIC	0.3	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5		15.9
HEDLAND	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	0	0	0	0	0	0		0.9
BARTON-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
BARRET	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
ALST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
KIMB-KNIGHT-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
BOSEN	0	0	0	0	0	0	0	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	0	0	0	0	0	0	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 MORRIS	0.3	0.6	1.0	0.9	0.8	0.6	0.5	0.4	0.4	0.5	0.5	0.6	0.7	0.7	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1		13.5
BRUCE MORRIS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
TURNELL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
POWERS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
CHRISTENSEN	0	0	0	0	0	0	0	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
KLIONT 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 & CORNISH	0	0	0	0	0	0	0	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																																
TOTAL	2.1	2.7	3.7	4.1	4.7	5.0	5.7	5.4	5.3	5.2	5.2	5.4	5.3	5.2	5.4	5.4	5.4	5.6	5.7	5.8	5.9	5.9	6.0	6.2	5.9	5.5	5.1	5.3	5.4	5.5		155.0
e TOTAL UPPER WYOMING COMPACT	34.7	38.1	51.6	44.8	44.1	43.9	45.0	45.5	44.5	47.9	47.9	49.4	53.2	51.3	46.5	43.0	37.7	33.7	34.1	34.7	35.3	36.1	47.0	49.5	47.0	46.2	43.3	36.4	30.5	29.9		1,270.8

e Includes all canals listed diverting above Woodruff Narrows except Novarka East Fork Canal.

PLATE NO. 59

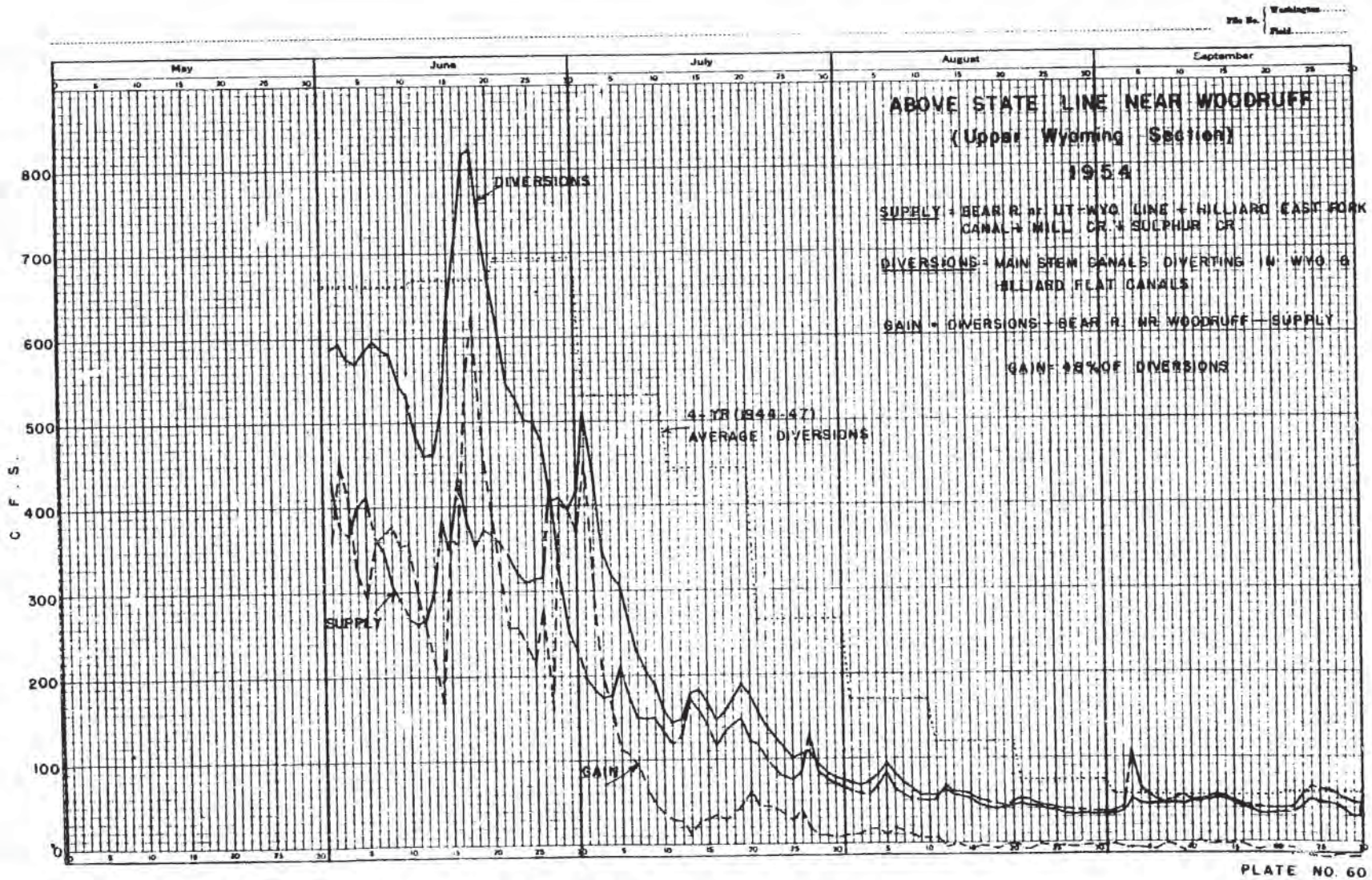

File No. Washington
Field
May
June
July
August
September
ABOVE STATE LINE NEAR WOODRUFF
(Upper Wyoming Section)
1954
SUPPLY = BEAR R. nr. UT-WYO. LINE + HILLIARD EAST FORK CANAL + MILL CR. + SULPHUR CR.
DIVERSIONS = MAIN STEM CANALS DIVERTING IN WYO. & HILLIARD FLAT CANALS
GAIN = DIVERSIONS - BEAR R. NR. WOODRUFF - SUPPLY
GAIN = 28% OF DIVERSIONS
4-YR (1944-47) AVERAGE DIVERSIONS
DIVERSIONS
SUPPLY
GAIN
C F S.
800
700
600
500
400
300
200
100
0

PLATE NO. 60

DAILY DISCHARGE IN C.F.S. OF BEAR RIVER CANALS FROM STATE LINE NEAR WOODRUFF TO PIXLEY DAM

JUNE 1954

	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																																
SEVILLE	1.0	.9	.8	.7	.6	.5	.4	.3	.3	.3	.4	.8	2.3	2.6	1.6	1.7	1.9	3.9	4.8	4.1	4.5	1.9	.7	.8	.7	3.0	5.2	2.9	1.8	1.6		53.0
SOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.9	2.7	.2	0	0	0	0	0	0	.5	1.4	1.2	.6		3.6
REES LAND & LIVESTOCK	19	18	18	12	4.9	2.2	1.4	.4	.8	.8	.1	0	0	0	0	8.2	7.8	10	14	11	8.0	6.3	5.1	4.1	4.8	9.4	32	52	48	23		236.9
CRAWFORD-THOMPSON	37	35	35	28	20	16	15	14	13	14	12	10	9.9	9.0	8.0	57	62	46	46	42	33	27	24	22	20	27	101	123	130	110		530.6
RANDOLPH-SOCRATES	79	74	82	69	52	41	39	36	36	36	36	39	36	34	34	5.2	5.6	6.1	6.3	6.6	6.2	4.5	4.2	4.0	3.8	3.9	6.8	10	11	8.1		1,637
DYKES	4.2	3.6	3.3	3.7	3.8	4.0	3.8	3.8	3.7	4.4	4.8	5.0	5.3	5.3	5.1	38	37	36	36	34	32	31	30	28	28	28	30	44	68	61		156.1
RANDOLPH-OAKS CREEK	92	77	71	70	60	52	48	46	44	44	41	40	39	38	38	5.0	5.3	5.1	4.6	3.7	3.8	3.7	3.8	3.6	3.1	1.8	1.7	1.7	2.6	1.7		1,361
McMINN	14	12	12	11	11	10	11	10	9.0	8.8	7.9	7.0	6.3	5.6	5.4	2.8	2.6	2.7	2.5	2.4	2.2	2.2	2.1	1.9	1.8	1.7	1.7	1.7	1.7	1.7		204.0
ENSIGN	1.1	.3	.9	.9	.7	.4	.3	.3	1.9	3.3	3.0	2.8	3.0	2.9	2.8	2.8	2.6	2.7	2.5	2.4	2.2	2.2	2.1	1.9	1.8	1.7	1.7	1.7	1.7	1.7		56.2
B. Q. WEST SIDE	60	45	43	37	33	33	34	33	27	33	33	29	26	24	24	23	22	21	20	19	18	18	18	17	17	16	17	19	19	27		804
TOTAL DIVERTED IN UTAH	307.3	265.8	266.0	232.3	186.0	159.1	152.9	143.8	135.7	144.6	136.2	133.6	127.8	121.4	132.9	140.9	144.2	131.7	136.9	123.0	107.7	94.6	87.9	81.4	79.2	95.3	224.8	326.3	343.4	277.7		5,042.4
B. Q. WEST SIDE CANAL AT KENNEDY RANCH	45	35	32	32	33	34	20	5.2	7.2	9.0	8.1	25	33	30	27	25	19	6.0	7.0	17	17	17	14	12	13	12	0	0	0	0		532.5
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	20	20	18	18	17	17	16	15	13	12	12	11	14	15	15	18	20	20	20	18	14	14	11	0	0	0	0	0	0	0		358.1
McFARLAND	6.0	5.8	4.3	4.9	7.0	7.4	7.0	6.5	5.9	6.0	6.0	6.1	8.2	8.4	8.7	10	10	9.8	9.8	9.2	7.5	5.1	.4	0	0	0	0	0	0	0		160.0
B. Q. EAST SIDE	70	69	56	47	42	33	32	31	30	30	30	23	12	12	12	13	13	11	14	14	13	23	36	28	26	24	24	26	24	23		843
PIXLEY	30	30	29	29	27	26	27	27	27	27	27	27	27	26	26	26	26	25	25	24	23	21	14	9.1	11	13	15	12	8.7	7.4		672.2
TOTAL DIVERTED IN WYOMING	126.0	124.8	107.3	98.9	93.0	83.4	82.0	79.5	75.9	75.0	75.0	67.1	61.2	61.4	61.7	67	69	67.8	68.8	65.8	57.5	63.1	53.5	37.1	37	37	39	38	32.7	30.4		2,033.3

JULY 1954

	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																																
SEVILLE	.9	1.0	.7	.2	.2	.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.1	0	0	0	0	3.2
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	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	0	0	1.4
CRAWFORD-THOMPSON	24	6.2	3.4	2.6	3.2	3.2	3.7	4.1	3.9	3.0	2.1	.7	.9	.9	.9	.2	.5	1.4	2.6	2.3	1.2	.5	.3	0	0	.5	1.2	1.0	1.4	1.4	.9	78.4
RANDOLPH-SOCRATES	76	24	13	11	11	9.6	7.8	7.0	5.7	4.9	4.1	3.7	2.9	2.9	2.1	1.3	.9	1.3	1.7	1.7	1.7	1.7	1.3	0	0	.9	1.3	1.3	1.3	.5	.5	205.7
DYKES	6.1	3.8	2.7	2.4	2.2	2.5	2.3	2.1	1.7	1.3	1.2	1.0	.9	.8	.7	.7	.5	.4	.4	.3	.2	.2	.1	0	0	0	0	0	0	0	0	34.5
RANDOLPH-OAKS CREEK	48	39	33	30	29	29	29	27	27	26	25	25	24	23	23	23	22	22	24	24	22	20	13	13	16	19	22	22	19	20	21	760
McMINN	6.7	5.3	4.2	3.1	2.9	2.7	2.3	2.3	1.8	1.5	1.3	1.2	1.3	1.2	1.4	1.1	.9	1.2	2.1	2.1	2.0	1.9	2.2	5.0	5.3	3.6	3.4	3.4	2.6	2.5	2.5	81.2
ENSIGN	2.2	1.9	1.8	1.7	1.6	1.6	1.3	1.5	1.6	1.9	2.1	1.7	1.6	1.8	2.3	1.4	.7	1.0	1.4	1.6	1.4	1.3	1.3	1.6	1.1	1.1	1.6	2.5	2.2	2.0	1.9	50.7
B. Q. WEST SIDE	31	26	25	23	22	22	22	21	20	21	19	19	19	19	19	19	19	19	19	19	19	18	17	18	18	18	18	14	13	12	12	597
TOTAL DIVERTED IN UTAH	196.3	107.2	83.8	74.0	72.1	70.7	68.4	65.0	61.7	58.6	56.8	52.3	50.6	50.6	49.4	46.7	44.5	46.3	51.2	51.0	47.5	43.6	35.2	39.3	43.9	43.3	43.2	44.2	39.5	38.4	38.8	1,812.1
B. Q. WEST SIDE CANAL AT KENNEDY RANCH	7.9	13	7.4	6.2	5	15	16	16	15	14	14	13	12	12	13	13	12	12	12	13	13	11	5.4	4.8	1.8	0	0	0	0	0	0	282.0
WYOMING CANALS																																
B. Q. DAM PUMP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.2	4.4	4.4	4.4	4.4	4.4	4.4	2.2	0	0	0	0	0	0	30.8
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	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. Q. EAST SIDE	22	19	17	16	15	16	15	15	14	13	12	11	11	9.9	9.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PIXLEY	7.4	2.6	2.8	4.3	5.2	5.8	6.4	6.8	6.6	6.6	6.0	5.8	6.0	6.0	7.6	11	11	11	10	9.8	9.8	8.9	8.1	6.8	6.2	5.4	5.2	5.6	5.8	5.4	4.8	209.2
TOTAL DIVERTED IN WYOMING	29.4	21.6	19.8	20.3	20.2	21.8	21.4	21.8	20.6	19.6	18.0	16.8	17.0	15.9	16.9	11	11	13.2	14.4	14.2	14.2	13.3	12.5	11.2	8.4	5.4	5.2	5.6	5.8	5.4	4.8	210.7
																																450.7

PLATE NO 61

DAILY DISCHARGE IN C.F.S. OF BEAR RIVER CANALS FROM STATE LINE NEAR WOODRUFF TO PIXLEY DAM

AUG. 1954

UTAH CANALS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
HEVILLE	0	0	0	0	0	0	0	0	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
HESS 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	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	4.5
RANDOLPH-WOODRUFF	.1	.1	.1	.2	.1	.1	.2	.3	.3	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.1	.2	.2	.2	.2	.1	.1	.1	.2	.2	5.9
DITCHES	0	0	0	.5	1.7	.9	.5	.1	.5	.5	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	20	20	19	18	20	19	18	17	16	16	17	17	17	16	15	15	15	15	14	14	14	15	15	14	14	13	13	12	12	12	11	483
McMINN	2.5	2.5	2.5	2.5	3.2	2.8	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.3	1.9	1.4	1.3	1.4	1.4	1.2	1.4	1.7	1.5	1.3	1.1	1.1	1.1	1.2	1.2	1.2	1.1	58.6
SAUNDERS	1.8	1.7	1.7	1..	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.6	1.7	1.5	1.4	1.3	1.3	1.2	1.2	1.2	1.2	1.3	1.2	1.2	1.0	1.0	.9	.9	1.0	1.1	1.1	44.5
B.Q. WEST SIDE	11	10	11	12	12	13	13	14	14	12	12	13	13	13	12	12	12	12	12	12	12	13	13	12	12	12	12	12	12	12	12	379
TOTAL DIVERTED IN UTAH	35.7	34.5	34.3	34.7	39.0	37.8	36.1	35.8	35.2	33.0	33.7	34.4	34.5	33.0	30.5	29.9	29.8	29.8	28.8	28.6	28.9	31.3	31.0	28.8	28.4	27.2	27.1	26.2	26.3	26.4	25.2	975.9
B. Q. WEST SIDE CANAL AT KENNEDY RANCH	0	0	0	0	0	0	0	0	0	5.3	14	17	14	11	9.5	10	13	11	6.4	3.0	3.4	6.5	8.5	8.3	8.1	7.7	7.9	7.9	8.5	7.2	7.4	193.6
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	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. Q. EAST SIDE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.2	4.8	7.8	6.2	5.8	6.6	7.0	6.8	5.2	5.8	6.4	6.8	7.4	8.3	8.9	132.9
PIXLEY	4.4	3.9	3.4	3.2	3.5	3.9	4.8	5.2	5.2	1.4	0	0	0	0	0	0	.2	4.8	7.8	6.2	5.8	6.6	7.0	6.8	5.2	5.8	6.4	6.8	7.4	8.3	8.9	132.9
TOTAL DIVERTED IN WYOMING	4.4	3.9	3.4	3.2	3.5	3.9	4.8	5.2	5.2	1.4																						

SEPT. 1954

UTAH CANALS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
HEVILLE	0	0	0	0	0	0	0	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
HESS 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	0	0	0	0	0	0	0	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-WOODRUFF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DITCHES	0	0	0	0	0	0	0	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	12	11	10	9.6	9.2	9.2	9.7	10	11	11	11	11	8.6	8.0	8.6	9.0	10	11	11	11	11	12	13	13	12	12	12	12	319.9
McMINN	.9	1.3	1.7	1.6	1.4	1.3	1.3	1.2	1.1	1.2	1.3	1.8	1.9	1.9	1.8	1.7	.8	1.9	.6	.6	.7	.9	.8	.9	1.2	1.3	1.1	1.0	1.0	1.0	34.7
SAUNDERS	1.0	1.2	1.4	1.3	1.3	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.7	1.9	2..	2.0	1.9	1.9	2.0	2.0	2.1	2.3	2.4	2.5	2.7	2.9	3.0	3.0	3.1	3.1	57.8
B. Q. WEST SIDE	11	12	12	12	12	11	11	11	11	11	11	12	12	12	12	12	12	12	12	12	12	12	13	13	14	14	14	14	14	14	366
TOTAL DIVERTED IN UTAH	23.9	25.5	27.1	25.9	24.7	23.1	22.7	22.7	23.1	23.5	23.5	26.7	26.5	26.8	24.5	23.2	23.3	23.5	24.6	25.6	25.8	26.2	27.2	28.4	30.9	31.2	30.1	30.0	30.1	30.1	776.4
B. Q. WEST SIDE CANAL AT KENNEDY RANCH	8.3	8.8	9.2	8.8	7.9	7.9	7.7	7.2	7.2	7.4	6.6	6.4	5.6	7.7	6.8	7.0	7.4	7.7	6.3	6.5	5.6	2.2	1.8	3.6	6.2	8.3	8.3	7.7	7.6	7.4	200.7
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	8.5	6.8	7.0	7.0	6.8	6.6	6.4	6.2	6.2	6.2	6.2	6.2	6.2	6.8	7.0	6.4	6.2	6.0	5.8	5.8	5.8	6.2	6.4	6.8	7.4	7.4	7.4	7.4	4.1	0	189.2
TOTAL DIVERTED IN WYOMING	8.5	6.8	7.0	7.0	6.8	6.6	6.4	6.2	6.2	6.2	6.2	6.2	6.2	6.8	7.0	6.4	6.2	6.0	5.8	5.8	5.8	6.2	6.4	6.8	7.4	7.4	7.4	7.4	4.1	0	189.2

PLATE NO. 62

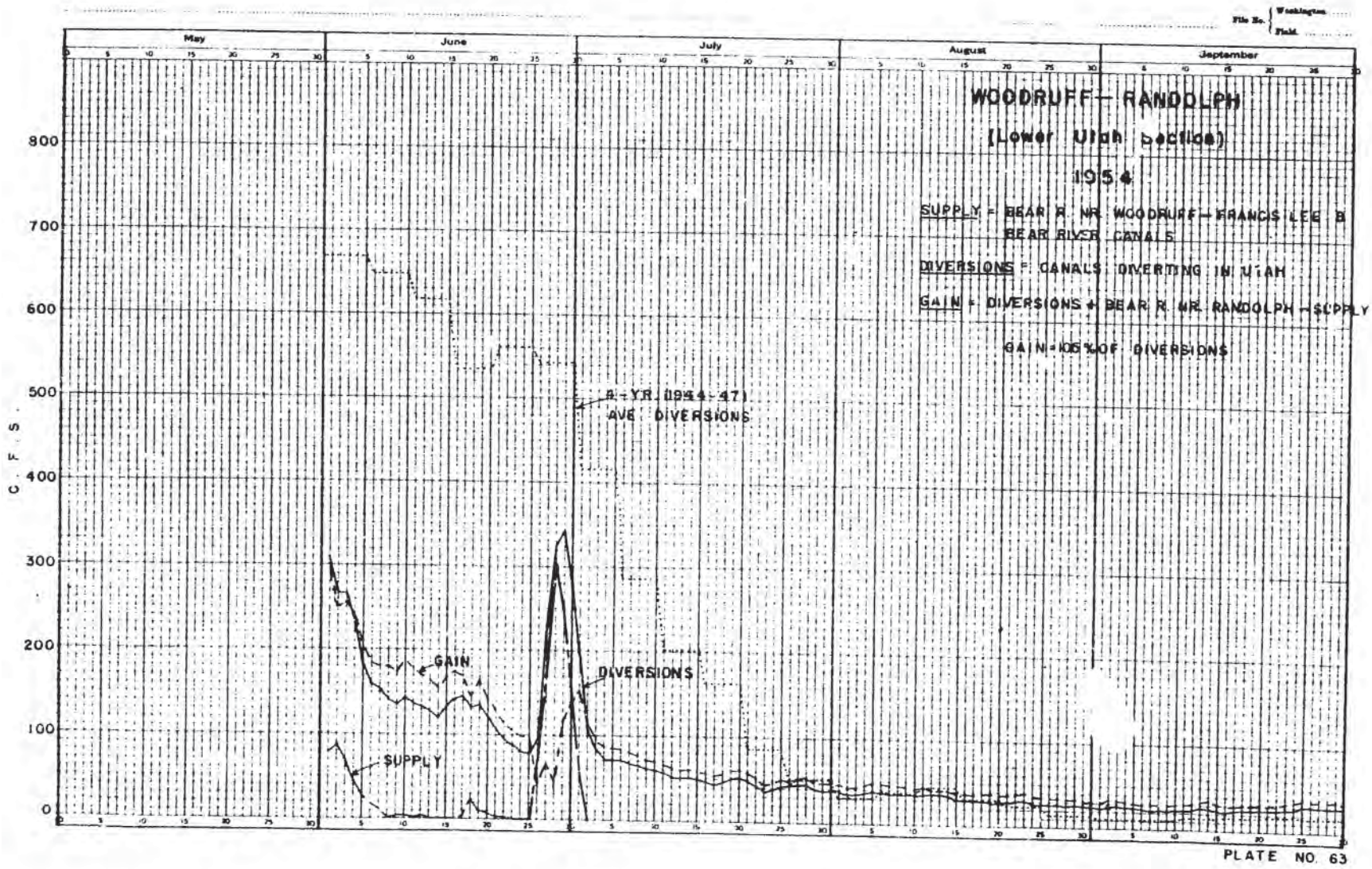

File No. { Washington
Field
May
June
July
August
September
WOODRUFF – RANDOLPH
(Lower Utah Section)
1954
SUPPLY = BEAR R. NR. WOODRUFF + FRANCIS LEE & BEAR RIVER CANALS
DIVERSIONS = CANALS DIVERTING IN UTAH
GAIN = DIVERSIONS + BEAR R. NR. RANDOLPH – SUPPLY
GAIN = 106% OF DIVERSIONS
C. F. S.
800
700
600
500
400
300
200
100
0
AVE DIVERSIONS (A-YR. 1944-47)
GAIN
DIVERSIONS
SUPPLY

PLATE NO. 63

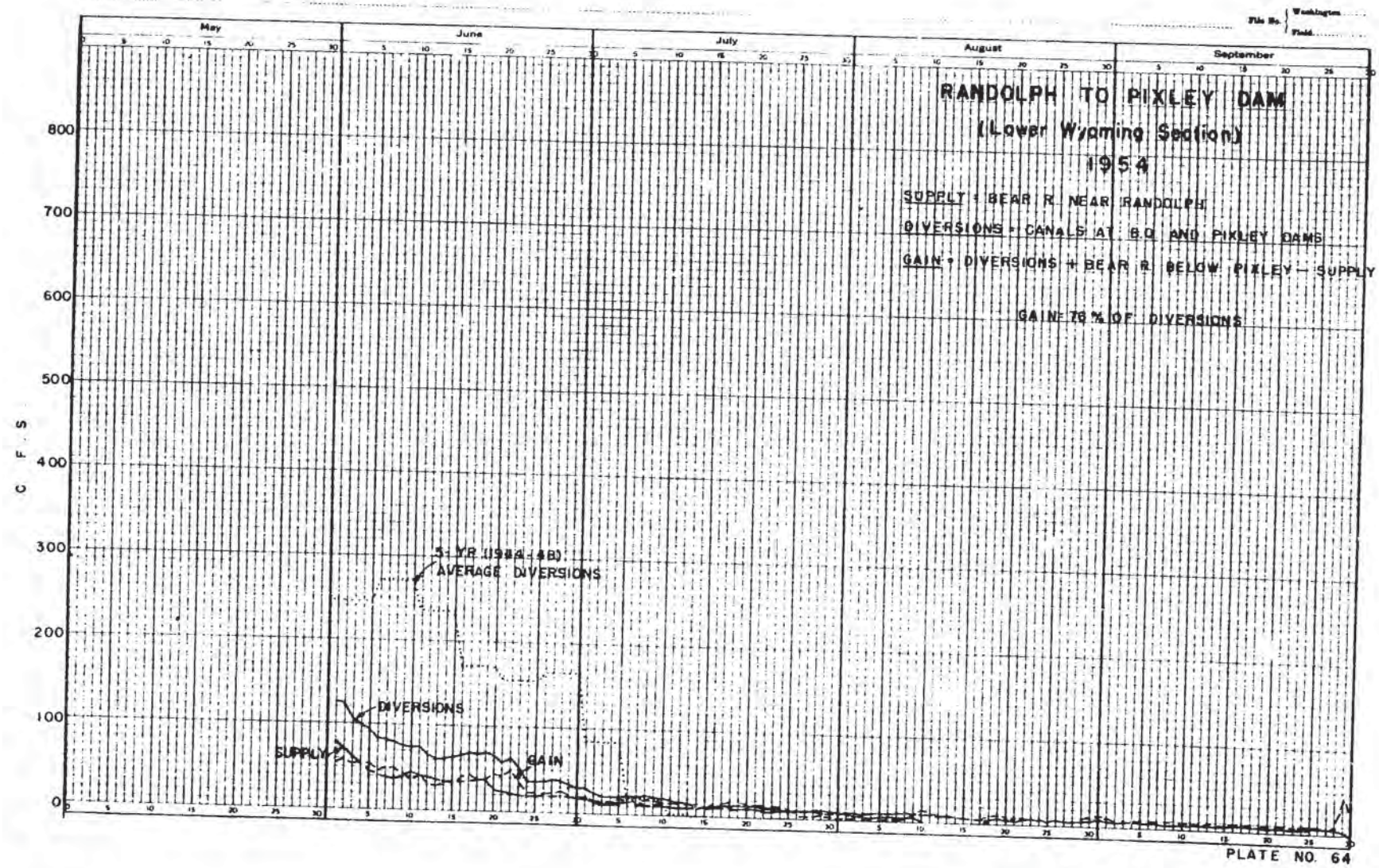

File No. Washington Field
May
June
July
August
September
RANDOLPH TO PIXLEY DAM
(Lower Wyoming Section)
1954
SUPPLY = BEAR R. NEAR RANDOLPH
DIVERSIONS = CANALS AT B.Q. AND PIXLEY DAMS
GAIN = DIVERSIONS + BEAR R. BELOW PIXLEY − SUPPLY
GAIN 78 % OF DIVERSIONS
C F S
800
700
600
500
400
300
200
100
0
5 YR (1944-48) AVERAGE DIVERSIONS
DIVERSIONS
SUPPLY
GAIN

PLATE NO. 64

DAILY DISCHARGE IN C.F.S. OF SMITHS FORK & BEAR RIVER CANALS
(WYOMING SECTION OF CENTRAL DIVISION)

JUNE 1954	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
MAS.SUPPLY SMITHS FK BASIN																																
QUINN-BOURNE CANAL	1.3	1.3	1.3	1.3	1.3	2.0	3.0	5.0	7.5	12	14	16	16	16	16	16	16	15	15	16	18	20	13	11	10	8.8	8.1	7.4	6.8	8.5		303.6
SMITHS FORK NEAR BORDEN	393	367	359	355	367	389	384	359	348	355	332	320	320	324	332	351	344	332	332	344	371	384	393	401	393	397	434	393	351	328		10,852
COAL CREEK (HOWLAND)	7.0	7.0	7.0	6.6	6.3	6.2	6.1	6.0	5.9	5.9	5.8	5.6	5.5	5.5	5.4	5.2	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.8	4.7	4.6	4.6	4.6	4.6	4.5		164.3
GRAIN CREEK	4.8	4.8	4.8	4.6	4.4	4.4	4.4	4.4	4.4	4.2	4.0	3.8	3.7	3.7	3.6	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.2		118.9
PINE CR. ABOVE DIVERSIONS	18	18	18	18	17	17	17	17	17	17	17	17	17	17	17	16	17	17	17	16	16	17	17	17	16	17	17	16	16	17		508
DIAMOND F & C CANAL	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.6	7.5	2.5	2.4	2.8	3.2	3.7	3.6	3.5	3.4	3.2	2.6	2.2	1.8	2.0	2.1	2.4	2.7	2.4	2.2	1.9	1.9		80.8
DIAMOND F & C CANAL #1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.1	3.1	3.1	3.1	2.2	1.3	.4	.4	.4	.4	.4	.4	2.5	3.6	3.6	3.5	3.8	4.0	3.9	3.9	3.8	3.6		76.1
HAGGERTY (WEST SIDE) CANAL	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	0	0	0		6.0
PINE CR. ABOVE COVEY CANAL	4.4	4.4	4.4	3.6	2.8	2.8	2.8	2.8	3.2	3.9	4.6	5.3	5.8	6.3	6.8	6.4	5.9	5.7	5.5	5.4	5.4	5.3	5.0	4.8	5.6	6.4	5.6	4.8	4.2	4.0		143.9
SPRING CR. ABOVE COVEY CANAL	5.7	5.7	5.7	4.4	3.2	3.8	4.4	5.0	5.5	5.5	5.5	5.5	5.6	5.6	5.7	5.7	5.7	5.4	5.1	5.1	5.1	5.1	4.7	4.3	4.7	5.1	5.1	5.1	5.1	5.0		153.1
TOTAL	443.8	415.8	405.8	399.1	407.6	430.8	427.3	404.8	397.2	409.1	388.5	378.7	378.6	382.6	390.6	407.8	400.9	387.3	386.6	397.9	428.6	445.2	446.6	451.9	443.6	449.0	484.1	440.4	396.8	375.7		12,402.7
COVEY CANAL SYSTEM																																
COVEY CANAL AT HEAD	93	93	93	90	90	90	91	88	87	83	87	87	87	87	88	90	90	88	88	90	90	93	93	87	79	104	110	106	98	95		2,720
COVEY CANAL FROM PINE CR.	4.4	4.4	4.4	3.6	2.8	2.8	2.8	2.8	3.2	3.9	4.6	5.3	5.8	6.3	6.8	6.4	5.9	5.7	5.5	5.4	5.4	5.3	5.0	4.8	5.6	6.4	5.6	4.8	4.2	4.0		143.9
SPRING CR. ABOVE COVEY CR.	5.7	5.7	5.7	4.4	3.2	3.8	4.4	5.0	5.5	5.5	5.5	5.5	5.6	5.6	5.7	5.7	5.7	5.4	5.1	5.1	5.1	5.1	4.7	4.3	4.7	5.1	5.1	5.1	5.1	5.0		153.1
SPRING CR. TO COLLETT CR.(-)	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.0	7.2	7.4	7.7	8.0	9.9	8.7	6.8	4.8	2.9	3.8	4.8	2.9	2.9	2.8	2.7	2.6	2.5		178.2
TOTAL	96.2	96.2	96.2	91.1	89.1	89.7	91.3	88.9	88.8	90.5	90.2	90.9	91.4	91.7	93.1	94.4	93.6	89.2	89.9	93.7	95.7	100.5	98.9	71.3	86.4	112.6	117.9	113.2	104.7	101.5		2,838.8
SMITHS FORK CANALS																																
QUINN-BOURNE	1.3	1.3	1.3	1.3	1.3	2.0	3.0	5.0	7.5	12	14	16	16	16	16	16	16	15	15	16	18	20	13	11	10	8.8	8.1	7.4	6.8	8.5		303.6
BUTTON FLAT	0.5	1.0	1.1	2.8	4.4	4.2	4.0	3.8	3.6	3.4	3.1	2.9	2.9	2.8	2.8	5.5	6.5	5.8	5.7	5.7	6.3	6.9	6.9	6.9	6.6	6.4	5.8	5.3	4.8	4.2		132.1
FRENT PARTRIDGE	1.5	2.0	2.6	3.5	4.4	4.2	4.1	3.9	3.8	3.7	3.5	3.3	3.3	3.4	3.4	3.5	3.6	3.4	3.1	3.5	4.5	5.4	5.0	4.5	4.4	4.2	4.0	3.8	3.6	4.0		111.1
PROGRESS	1.5	2.0	2.6	9.0	16	15	14	14	13	14	11	8.4	8.5	8.7	8.8	9.2	9.6	9.4	9.2	12	14	16	15	14	14	13	13	13	13	12		332.9
EMILIE		28	28	28	29	29	29	29	29	29	28	27	27	27	27	28	28	28	28	29	29	30	30	31	38	44	44	43	43	42		937
COOPER		22	22	22	22	22	21	20	20	19	19	18	18	18	18	19	19	18	18	19	20	21	21	21	21	21	20	19	18	17		595
WHEELOCK		18	17	16	15	15	15	15	14	10	6.0	2.2	2.1	2.0	2.0	2.0	2.2	1.6	1.1	1.0	.9	.8	.8	.7	.8	.8	.6	.4	.1	6.1		187.0
COVEY SYSTEM	96.2	96.2	96.2	91.1	89.1	89.7	91.3	88.9	88.8	90.5	90.2	90.9	91.4	91.7	93.1	94.4	93.6	89.2	89.9	93.7	95.7	100.5	98.9	71.3	86.4	112.6	117.9	113.2	104.7	101.5		2,838.8
TANNER, HUNT & GARRETT	20	20	21	22	24	25	26	24	23	26	24	24	24	24	25	26	25	25	25	26	26	27	28	28	23	26	29	29	28	26		756
SMITHS WATER	41	42	43	44	45	47	48	44	41	42	44	46	48	50	53	56	54	52	54	57	59	61	63	46	38	39	40	40	35	30		1,402
MARVIN (COLLETT CREEK)	0.5	.5	.6	.6	.5	.5	.5	.5	.6	.6	.6	.5	.4	.3	.2	0	0	0	0	0	0	.6	.9	1.3	1.7	1.9	2.2	2.4	1.8	1.3		21.6
JOHN BOURNE (COLLETT CREEK)	15	16	17	18	19	21	22	20	17	20	17	16	15	14	15	16	17	18	20	22	24	24	25	26	26	26	1	2.9	2.9	2.9		529.7
FOREMAN (COLLETT CREEK)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.2	3.5	5.2	4.7	4.0	3.1	2.2	3.2	4.1	4.4	5.0	6.2	7.5	8.8	9.2	9.5	9.8	10	10	11	11	10	10		191.6
OLSON (COLLETT CREEK)	0	0	0	0	0	0	0	0	4.0	6.4	6.1	5.5	4.9	4.3	4.0	3.8	3.6	3.3	3.9	4.6	5.2	5.4	5.7	6.8	7.8	9.0	10	11	10	8.9		134.2
STONER-HICKS (SO.BRANCH)	7.5	8.0	8.5	8.9	9.3	9.6	10	9.3	8.6	9.1	10	11	12	13	13	13	13	13	13	13	13	14	15	15	15	16	16	17	15	13		361.8
MORGAN (SO.BRANCH)	7.2	7.5	7.8	8.0	8.2	8.5	8.7	8.2	7.7	7.4	7.0	7.8	8.7	9.5	9.8	10	10	10	11	12	13	14	15	16	17	17	16	16	14	13		326.0
COREVILLE WATER (SO. BRANCH)	3.0	3.0	3.0	3.5	4.0	4.6	4.2	3.8	3.5	3.2	3.2	3.2	3.3	3.3	3.3	3.3	4.2	5.1	4.8	4.5	4.2	4.2	4.1	4.1	4.2	4.2	4.1	4.1	3.4	2.6		112.9
TANNER #1 (SO. BRANCH)	6.1	6.1	6.1	6.1	6.7	7.3	7.9	7.4	7.0	6.7	6.4	6.3	6.2	6.1	6.2	6.4	6.2	5.9	5.6	5.3	5.0	5.2	[illegible]	7.6	9.8	10	10	11	10	10		212.0
TANNER #2 (SO. BRANCH)	0	0	0	0	0	0	.1	.2	.3	.3	.3	.3	.3	.3	.3	.3	.5	.6	.6	.7	.7	.6	.5	.6	.8	.8	.7	.7	.6	.5		11.6
SMITHS FORK CANAL (SO. BR.)	8.5	8.6	8.8	8.9	9.0	9.2	9.3	9.6	10	10	10	10	10	9.9	10	11	12	12	12	11	11	11	11	11	12	12	12	12	10	8.7		310.5
SO. BR. #2 (SMITHS FORK)	11	11	11	11	11	12	12	11	11	12	11	11	10	10	11	12	12	12	12	12	12	12	13	14	14	14	15	15	14	13		362
SO. BR. #3 (SMITHS FORK)	30	31	31	32	33	33	34	32	29	31	31	31	31	31	34	36	36	35	34	34	33	34	36	38	41	41	40	40	34	28		1,014
TANNER #3 (SMITHS FORK)	5.7	6.2	6.7	7.2	7.7	8.3	8.9	8.4	8.0	8.0	8.0	7.7	7.3	6.8	6.3	5.8	5.3	4.8	4.3	3.8	3.5	4.0	7.2	7.4	7.6	8.2	8.9	8.9	8.8	8.6	8.3	211.1
TRIBUTARY CANALS																																
FORD CANAL (COAL 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
GRAIN CREEK CANAL	4.8	4.8	4.8	4.6	4.4	4.4	4.4	4.4	4.4	4.2	4.0	3.8	3.7	3.7	3.6	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.2		114.9
GOODELL (PINE 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
V. H. (PINE CREEK)	9.0	9.0	9.0	8.8	8.5	8.5	8.5	9.0	9.5	9.4	9.2	9.0	8.8	8.6	8.3	8.8	9.2	9.4	9.5	9.0	8.5	8.0	7.5	7.0	6.9	6.8	6.8	6.8	6.8	6.8		250.9
COLLETT (PINE CREEK)	9.0	9.0	9.0	9.2	8.5	8.5	8.5	8.0	7.5	7.6	7.8	8.0	8.2	8.4	8.7	7.2	7.8	7.6	7.5	7.0	7.5	9.0	9.5	10	9.1	10	10	9.2	9.2	10		256.5
DIAMOND F & C (PINE CR.)	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.6	2.5	2.5	2.5	2.4	2.8	3.2	3.7	3.6	3.5	3.4	3.2	2.6	2.2	1.8	2.0	2.1	2.4	2.7	2.4	2.2	1.9	1.9		80.8
DIAMOND F & C NO. 1 (PINE CR.)	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.1	3.1	3.1	3.1	2.2	1.3	.4	.4	.4	.4	.4	.4	2.5	3.6	3.6	3.5	3.8	4.0	3.9	3.9	3.8	3.6		76.1
HAGGERTY (WEST) (PINE CR.)	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	0	0	0		6.0
TOTAL	361.9	365.8	368.7	376.6	390.2	398.5	405.4	389.6	381.3	396.6	384.7	379.3	379.0	379.5	389.1	402.8	404.1	396.8	399.1	415.9	434.6	456.0	456.3	418.8	441.0	475.5	469.7	451.5	416.4	397.0		12,179.7
BEAR RIVER CANALS																																
GARNETT	0	0	0	0	.2	.4	.6	.7	.8	.9	1.0	1.0	1.1	1.1	.6	.6	.3	0	0	0	0	0	0	0	0	0	0	0	0	0		9.3
SIGHTS	24	24	24	24	24	24	24	24	24	24	30	30	30	30	29	32	32	31	31	30	30	28	32	30	28	28	27	27	26	26		827
WYMAN (EAST)	4.4	4.4	4.4	4.4	4.5	4.7	4.8	4.6	4.5	4.4	4.2	4.1	4.1	4.0	12	16	16	16	17	18	19	20	20	20	21	22	22	23	22	22		367.5
WYMAN (WEST)	8.3	8.3	8.3	8.3	12	15	18	17	16	18	20	19	17	16	14	14	14	15	15	16	16	21	22	23	24	25	33	38	36	33		569.2
SMITHS	24	24	24	24	26	27	29	26	27	28	28	28	27	27	26	26	25	24	24	24	31	43	43	45	47	48	49	50	48	47		971
ROCKY POINT	20	20	16	14	14	16	22	26	26	28	28	27	26	25	24	24	24	24	24	23	22	22	24	26	30	30	33	36	34	32		740
COOK	33	34	35	39	39	40	44	46	45	48	49	48	46	44	42	41	41	40	39	38	37	47	51	50	57	51	54	48	39	37		1,302
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	.7	1.4	2.8	2.7	3.3	3.9	2.7	1.5		18.4
TOTAL	113.7	114.7	111.7	113.7	119.7	127.1	142.4	146.3	143.3	151.3	160.2	157.1	151.2	147.1	147.6	153.6	152.3	150	150	149	155	187	192.7	195.4	209.3	209.7	221.3	225.9	207.7	198.5		4,504.4
SECTION TOTAL DIVERSIONS	475.6	480.5	480.4	490.3	509.9	525.6	547.8	535.9	524.6	547.9	544.9	536.4	530.2	526.6	536.7	556.4	556.4	546.8	549.1	564.9	589.6	643.0	649.0	614.2	650.2	685.2	691.0	677.4	624.1	595.5		16,984.1

PLATE NO. 65

DAILY DISCHARGE IN C.F.S. OF SMITHS FORK & BEAR RIVER CANALS IN WYOMING SECTION OF CENTRAL DIVISION

JULY 1954

	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 BASIN																																
QUINN-BOURNE CANAL	10	9.0	7.7	8.4	9.0	9.4	8.2	7.1	7.2	7.4	10	12	14	16	20	17	14	13	12	11	12	12	12	12	12	12	12	11	11	11	11	350.4
SMITHS FORK NEAR BORDER	317	305	294	279	268	261	251	244	234	220	220	214	204	201	204	196	196	204	220	207	198	191	185	180	176	168	168	169	158	155	150	6,668
COAL CREEK (HOWLAND)	4.4	4.4	4.4	4.4	4.4	4.4	4.2	4.1	4.1	4.1	4.0	4.0	3.9	3.9	3.9	3.9	3.7	3.7	3.7	3.7	3.7	3.7	3.5	3.4	3.3	3.2	3.2	3.0	3.0	2.9	3.0	117.1
GRADE CREEK	3.1	3.1	3.1	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.3	2.3	2.3	83.3
PINE CR. ABOVE DIVERSIONS	17	16	17	17	16	17	17	17	17	17	16	17	17	16	17	16	16	16	16	17	16	16	17	16	16	17	17	16	16	17	17	513
DIAMOND F & C CANAL	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.6	1.6	1.5	1.4	1.3	1.2	1.2	1.2	1.4	1.5	1.4	1.4	1.5	1.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.9	.9	.8	40.8
DIAMOND F & C CANAL #1	3.5	3.2	3.0	2.9	2.8	2.7	2.6	2.4	2.3	2.2	2.2	2.0	1.9	1.7	1.5	1.5	1.5	1.4	1.3	1.2	1.4	1.5	1.5	1.4	1.4	1.4	1.2	1.1	.8	.6	.5	55.6
HAGGERTY (WEST SIDE) CANAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.6	3.2	3.6	4.2	4.8	4.0	3.2	3.5	3.8	4.2	4.5	4.5	4.5	1.5	0	0	51.1
PINE CR. ABOVE COVEY CANAL	3.8	3.8	3.8	3.6	3.4	3.2	3.3	3.4	3.5	3.6	4.0	4.4	4.8	4.9	5.0	3.2	1.3	1.2	1.0	.8	.6	.5	.7	.9	1.1	1.3	1.3	1.3	4.6	6.4	6.1	90.8
SPRING CR. ABOVE COVEY CANAL	4.9	5.0	5.1	5.1	5.1	5.1	4.6	4.0	3.8	3.6	3.8	3.9	4.0	4.0	4.0	4.1	4.2	4.2	4.3	4.3	4.3	4.3	4.4	4.5	4.6	4.7	4.6	4.2	3.9	3.6	3.9	133.9
TOTAL	365.5	351.3	339.9	325.1	313.4	307.3	295.4	286.5	276.4	272.3	264.2	261.5	253.7	251.5	259.2	249.3	251.9	267.0	269.4	253.6	243.7	235.7	231.1	225.5	220.3	215.6	214.9	207.2	201.8	199.4	196.6	8,104.0
COVEY CANAL SYSTEM																																
COVEY CANAL AT HEAD	90	88	85	84	80	85	87	87	82	82	79	79	79	78	78	55	80	80	80	78	74	67	67	64	64	63	62	62	63	63	62	2,327
COVEY CANAL FROM PINE CR.	3.8	3.8	3.8	3.6	3.4	3.2	3.3	3.4	3.5	3.6	4.0	4.4	4.8	4.9	5.0	3.2	1.3	1.2	1.0	.8	.6	.5	.7	.9	1.1	1.3	1.3	1.3	4.6	6.4	6.1	90.8
SPRING CR. ABOVE COVEY CANAL	4.9	5.0	5.1	5.1	5.1	5.1	4.6	4.0	3.8	3.6	3.8	3.9	4.0	4.0	4.0	4.1	4.2	4.2	4.3	4.3	4.3	4.3	4.4	4.5	4.6	4.7	4.4	4.2	3.9	3.6	3.9	133.9
SPRING CR. TO COLLETT CR.(-)	2.4	2.4	2.4	2.1	1.8	1.8	.9	0	.4	1.5	2.0	2.5	2.2	2.2	2.1	2.1	2.1	2.1	2.1	4.4	2.2	0	0	0	0	0	0	0	0	0	0	41.7
TOTAL	96.3	94.4	91.5	90.6	86.7	91.5	94.0	94.4	88.9	87.7	84.8	84.8	85.6	84.7	84.9	60.2	83.4	83.3	83.2	78.7	76.7	71.8	72.1	69.4	69.7	69.0	67.7	67.5	71.5	73.0	72.0	2,510.0
SMITHS FORK CANALS																																
QUINN-BOURNE	10	9.0	7.7	8.4	9.0	9.4	8.2	7.1	7.2	7.4	10	12	14	16	20	17	14	13	12	11	12	12	12	12	12	12	12	11	11	11	11	350.4
BUTTON FLAT	3.6	3.2	2.8	2.5	2.2	1.9	2.2	2.4	2.2	2.0	1.0	1.6	1.4	.8	.2	.1	0	0	0	0	3.5	5.0	4.8	4.6	4.4	4.2	4.8	5.4	6.0	6.5	6.3	86.4
HENRY PARTRIDGE	4.5	4.2	3.8	3.6	3.3	3.0	3.3	3.6	3.6	3.7	3.4	3.2	2.9	2.9	2.9	2.8	2.6	2.6	.6	2.6	3.0	3.3	3.3	3.2	3.3	3.1	2.9	2.7	2.5	2.3	2.2	96.7
PROGRESS	11	11	11	11	10	10	9.4	8.8	8.4	8.0	7.5	7.0	6.4	6.4	6.4	4.0	1.7	1.7	1.6	1.6	1.4	1.3	1.8	2.3	2.8	3.3	3.1	2.9	2.7	2.5	2.3	170.7
HAELLIE	41	39	37	35	34	33	32	30	29	28	27	26	25	24	24	23	23	23	22	22	20	18	17	16	16	15	15	14	13	13	14	748
COOPER	16	15	14	14	13	13	12	11	11	11	11	11	11	11	11	10	10	10	10	9.5	9.0	9.0	9.0	9.0	9.0	8.0	8.0	8.0	8.0	8.0	8.0	327.5
HOMESTOCK	12	11	9.6	12	14	16	15	15	8.0	4.8	5.0	5.2	5.3	5.6	6.2	2.5	0	0	0	0	0	0	0	0	0	0.7	1.2	1.7	2.2	2.7	1.7	157.4
COVEY SISTER	96.3	94.4	91.5	90.6	86.7	91.5	94.0	94.4	88.9	87.7	84.8	84.8	85.6	84.7	84.9	60.2	83.4	83.3	83.2	78.7	76.7	71.8	72.1	69.4	69.7	69.0	67.7	67.5	71.5	73.0	72.0	2,510.0
TANNER, HUNT & GARNETT	25	24	23	22	21	20	18	18	17	11	6.0	.7	.4	0	0	8.0	16	16	16	14	13	13	13	13	12	11	11	11	11	13	14	620
WHITES WATER	26	27	23	24	25	21	17	16	14	15	16	17	16	15	17	19	19	20	20	18	15	15	20	22	23	24	26	26	28	24	19	32.7
MARTIN (COLLETT CREEK)	1.1	0.9	1.2	1.5	1.8	1.8	1.9	1.9	1.8	1.9	2.0	2.1	2.9	1.7	1.5	1.3	1.3	1.3	1.3	1.0	.6	.4	.2	.2	.1	0	0	0	0	0	0	329.5
JOHN BOURNE (COLLETT CREEK)	15	21	20	18	17	14	12	12	12	12	13	24	33	32	12	12	12	12	19	16	12	7.0	1.9	2.0	2.2	2.4	2.5	2.5	2.5	3.0	3.5	145.0
FORRISON (COLLETT CREEK)	8.1	6.2	5.7	5.2	4.6	4.8	5.0	4.6	4.1	4.9	5.7	6.4	5.5	4.6	5.9	7.2	6.4	5.7	4.6	2.5	1.3	2.2	3.2	3.0	2.8	2.5	2.3	3.2	4.6	5.6	6.6	84.3
OLSON (COLLETT CREEK)	7.4	5.7	5.5	5.4	5.2	3.5	0	0	0	0	0	0	0	0	0	0	3.5	5.0	5.5	5.2	5.4	5.2	5.5	5.2	5.0	4.5	2.0	0	0	0	0	199.2
STONER-NICHOLS (SO. BRANCH)	12	11	11	11	11	10	8.3	8.0	7.8	8.0	8.2	8.3	8.0	4.0	0	0	0	0	0	0	0	4.0	6.2	7.5	7.5	7.8	7.8	7.9	8.0	8.0	8.0	275.1
MORGAN (SO. BRANCH)	12	11	11	10	9.5	8.8	8.0	7.8	7.7	7.7	7.8	7.8	8.5	11	12	13	13	12	11	10	8.4	7.8	6.6	7.0	7.5	8.0	8.4	7.2	5.9	4.7	3.5	84.0
COKEVILLE WATER (SO. BRANCH)	2.4	2.2	2.0	1.8	1.5	1.0	.5	.5	.4	.2	0	0	0	0	2.8	5.6	5.3	4.9	4.6	4.2	3.6	3.6	4.3	5.0	5.0	5.0	5.0	4.2	3.4	2.8	2.3	128.1
TANNER #1 (SO. BRANCH)	9.0	7.9	7.5	7.1	6.7	5.8	5.0	4.9	4.8	4.7	4.6	4.5	4.3	4.1	4.4	4.6	4.3	4.0	3.8	3.4	3.0	2.6	2.2	2.2	2.2	2.5	2.7	2.8	2.1	1.8	.8	46.1
TANNER #2 (SO. BRANCH	.5	.5	.5	.6	.7	.7	.7	.8	1.0	1.1	1.2	1.3	1.4	1.6	2.0	2.5	2.5	2.4	2.4	2.4	2.5	2.4	2.2	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.0	201.7
SMITHS FORK CANAL (SO. BR.)	8.4	8.0	8.0	8.0	8.0	7.8	7.6	7.4	7.3	7.3	7.6	7.8	7.8	7.8	8.	9.1	8.5	7.9	7.3	7.2	7.1	6.2	5.4	4.2	3.4	2.9	2.3	1.8	1.2	.5	1.5	227.0
SO. BR. #2 (SMITHS FORK)	12	12	12	11	11	10	8.2	8.4	8.7	8.7	8.8	8.8	7.8	7.8	8.	11	10	8.5	6.9	6.5	10	7.0	4.2	3.4	2.9	2.3	1.8	1.2	.5	1.5	2.6	693.9
SO. BR. #3 (BEAR CREEK)	26	24	23		20	18	17	20	24	26	28	29	30	30	32	35	31	27	24	17	9.8	10	22	22	22	21	21	15	9.2	14	18	97.5
TANNER #3 (SMITHS FORK)	7.9	7.5	3.0	0	0	3.0	6.0	3.0	0	0	.5	.6	2.2	3.9	4.7	5.5	5.1	4.6	4.2	5.1	6.0	5.4	4.7	4.3	3.8	3.1	2.4	1.0	0	0	0	0
TRIBUTARY CANALS																																83.3
FORD CANAL (COAL 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
GRADE CREEK CANAL	3.1	3.1	3.1	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.3	2.3	2.3	83.3
GODDELL (PINE 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
V. H. (PINE CREEK)	6.9	7.0	7.1	7.0	6.8	6.6	6.6	6.6	7.8	9.0	8.9	8.8	8.7	8.5	8.3	7.6	7.5	6.8	6.0	6.0	6.0	6.8	7.7	6.7	6.6	7.5	7.5	6.5	6.5	7.5	7.7	246.0
COLLETT (PINE CREEK)	10	9.0	9.9	10	9.2	10	10	10	9.2	8.0	7.1	8.2	8.3	7.5	8.7	7.6	7.5	6.8	6.0	6.0	6.0	6.8	7.7	6.7	6.6	7.5	7.5	6.5	6.5	7.5	7.7	40.8
DIAMOND F & C (PINE CR.)	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.6	1.6	1.5	1.4	1.3	1.2	1.2	1.2	1.4	1.5	1.4	1.4	1.3	1.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.9	.9	.8	55.6
DIAMOND F & C NO.1 (PINE CR.)	3.5	3.2	3.0	2.9	2.8	2.7	2.6	2.4	2.3	2.2	2.1	2.0	1.9	1.7	1.5	1.5	1.5	1.4	1.3	1.2	1.4	1.5	1.5	1.4	1.4	1.4	1.1	.8	.6	.3	.5	51.1
HAGGERTY (WEST) (PINE CR.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.6	3.2	3.6	4.2	4.8	4.0	3.2	3.5	3.8	4.2	4.5	4.5	4.5	1.5	0	0	90.8
TOTAL	392.5	374.8	358.7	348.3	338.7	331.8	315.0	309.1	292.5	284.7	282.2	282.3	281.9	276.6	289.6	276.5	297.3	289.8	287.4	266.6	248.5	244.4	247.1	244.4	243.8	240.4	236.8	223.9	216.4	221.1	224.5	8,767.8
BEAR RIVER CANALS																																
GARNETT	0	0	0	0	1.2	2.3	2.3	2.2	2.4	2.7	3.1	3.4	3.5	3.4	3.3	2.7	3.0	3.2	3.5	3.4	3.3	2.8	2.4	2.0	1.6	1.2	.9	.6	.2	.1	0	60.7
SIGMTS	24	21	20	19	18	9.0	.2	.2	.2	.3	.3	.4	.4	.5	.5	5.7	9.5	11	14	12	11	11	11	12	13	14	15	16	18	15	12	314.2
WYMAN (EAST)	20	18	18	17	17	17	17	18	22	20	19	18	19	20	19	18	18	19	19	18	16	14	13	13	13	13	7.0	.5	.3	.1	0	147.9
WYMAN (WEST)	32	31	31	29	27	26	25	27	33	33	33	33	30	26	23	20	22	24	26	24	21	18	16	14	11	8.6	6.3	5.2	4.0	5.2	6.3	670.6
SNIDER	44	41	40	39	38	38	37	36	31	32	34	35	32	29	28	28	29	30	31	29	27	24	22	22	23	24	25	22	20	19	18	926
ROCKY POINT	30	28	27	26	25	24	23	20	18	17	18	20	19	18	17	17	19	14	15	15	13	10	9.2	8.3	6.8	6.4	7.7	6.8	6.0	7.3	6.6	493.1
COOK	36	48	47	46	46	41	40	37	40	40	40	40	39	38	36	35	35	36	38	39	39	39	36	34	34	34	35	34	32	31	30	1,174
J. W. RICHARDS	.8	.2	.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.1
TOTAL	186.8	181.2	183.1	176	172.2	157.3	144.5	140.4	146.6	145.0	147.4	149.8	142.9	134.9	128.8	129.4	130.5	137.2	146.5	140.4	130.3	118.8	109.6	105.3	102.4	95.2	89.4	84.9	80.3	77.6	72.9	4,087.6
SECTION TOTAL DIVERSIONS	579.3	556.0	541.8	524.3	510.9	489.1	459.5	449.5	439.1	429.7	429.6	432.1	424.8	411.5	418.4	405.9	427.8	427.0	433.9	407.0	378.8	363.2	356.7	349.7	346.2	335.6	326.2	308.8	296.9	298.7	297.4	12,855.4

PLATE NO 66

DAILY DISCHARGE IN C.F.S. OF SMITHS FORK & BEAR RIVER CANALS
IN WYOMING SECTION OF CENTRAL DIVISION

AUG. 1954	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
MEAS. SUP. SMITHS FK BASIN																
QUINN-BOURNE CANAL	12	13	13	13	14	14	15	17	18	19	18	18	18	19	17	17
SMITHS FORK NEAR BORDER	145	145	142	142	148	148	142	140	133	131	133	129	124	122	120	118
COAL CREEK (HOWLAND)	3.0	3.0	2.9	2.8	2.7	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.3
GRADE CREEK	2.3	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.0	1.9	1.8	1.8	1.8	1.8
PINE CR. ABOVE DIVERSIONS	16	16	16	16	17	15	15	15	15	16	16	16	16	16	16	17
DIAMOND P & C CANAL	.8	.7	.7	.7	.7	.7	.7	.6	.6	.6	.6	.6	.6	.6	.5	[illegible]
DIAMOND P & C CANAL #1	.7	.9	.7	.6	.5	.3	.6	.9	1.2	1.1	1.0	1.0	1.0	1.0	1.0	2.2
HAGGERTY (WEST SIDE) CANAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.6
PINE CR. ABOVE COVEY CANAL	5.8	5.5	5.6	5.8	6.0	6.1	6.4	5.6	4.9	5.0	5.2	5.6	5.7	4.6	3.5	2.4
SPRING CR. ABOVE COVEY CANAL	4.2	4.5	4.5	4.6	4.7	4.7	4.7	4.5	4.5	4.6	4.7	4.8	4.9	4.9	4.8	4.7
TOTAL	189.8	190.8	187.6	187.7	195.7	194.5	190.1	188.2	182.7	180.9	183.0	179.4	174.5	172.4	167.0	167.4
COVEY CANAL SYSTEM																
COVEY CANAL AT HEAD	60	59	57	57	56	55	52	51	50	48	48	47	48	47	44	42
COVEY CANAL FROM PINE CR.	5.8	5.5	5.6	5.8	6.0	6.1	6.4	5.6	4.8	5.0	5.2	5.6	5.7	4.6	3.5	2.4
SPRING CR. ABOVE COVEY CANAL	4.2	4.5	4.5	4.6	4.7	4.7	4.7	4.5	4.5	4.6	4.7	4.8	4.9	4.9	4.8	4.7
SPRING CR. TO COLLETT CR. (-)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	70.0	69.0	67.1	67.4	66.7	65.5	63.1	61.1	59.3	57.6	57.9	57.4	58.6	56.5	52.3	49.1
SMITH FORK CANALS																
QUINN-BOURNE	12	13	13	13	14	14	15	17	18	18	18	19	19	18	17	17
BUTTON FLAT	6.2	5.9	5.9	5.8	5.7	5.7	5.4	5.1	4.8	4.7	4.6	4.5	4.3	4.1	3.9	3.7
PERRY PARTRIDGE	2.1	2.0	2.0	1.9	1.9	1.9	1.7	1.5	1.4	1.2	1.0	.8	.6	.6	2.9	2.2
PROGRESS	5.0	6.2	6.2	6.3	6.4	6.4	6.0	5.5	5.0	4.8	4.6	4.5	4.3	4.1	3.8	3.6
EMELLE	16	20	20	19	19	19	18	17	16	17	19	19	20	25	30	30
COOPER	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
WHEELOCK	1.0	.1	.1	4.0	5.0	5.9	8.0	10	12	12	11	11	11	15	9.0	8.0
COVEY SYSTEM	70.0	69.0	67.1	67.4	66.7	65.8	63.1	61.1	59.3	57.6	57.9	57.4	58.6	56.5	52.3	49.1
TANNER, HUNT & GARRETT	24	23	21	21	21	20	19	19	19	17	17	17	17	17	17	16
WHITES WATER	19	18	17	16	16	15	14	13	12	11	11	11	11	19	22	21
MARTIN (COLLETT CREEK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JOHN BOURNE (COLLETT CREEK)	3.0	2.5	2.1	2.0	1.8	1.8	1.9	1.8	1.8	2.5	4.0	4.0	4.0	5.0	5.5	5.2
FORGEON (COLLETT CREEK)	6.1	5.5	5.1	5.0	4.8	3.8	2.7	2.7	2.5	.7	.5	0	0	.3	.5	.2
OLSON CREEK (COLLETT CREEK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STONER-NICHOLS (SO. BRANCH)	8.3	8.6	8.9	8.9	8.9	8.6	8.3	8.0	7.6	7.3	7.3	7.3	5.7	4.1	3.9	3.6
MORGAN (SO. BRANCH)	3.6	3.8	3.9	4.5	5.0	4.6	4.3	4.7	5.2	5.6	5.3	5.0	4.8	4.5	4.0	3.6
COKEVILLE WATER (SO. BRANCH)	2.4	2.6	2.7	1.9	1.1	.9	.7	.5	.2	0	0	0	0	0	0	0
TANNER #1 (SO. BRANCH)	0	0	0	0	0	0	0	[illegible]	0	0	0	0	0	0	0	0
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.)	4.5	5.0	5.9	5.5	5.1	5.0	4.8	4.4	4.0	3.6	3.6	3.7	3.6	3.5	3.5	3.5
SO. BR. #2 (SMITHS FORK)	2.5	2.3	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.5	1.9	2.0	2.0	1.9
SO. BR. #1 (RYAN CREEK)	19	17	17	17	17	15	14	12	10	7.6	8.7	8.9	11	13	12	11
TANNER #3 (SMITHS FORK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRIBUTARY CANALS																
FORD CANAL (COAL CREEK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRADE CREEK CANAL	2.3	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.0	1.9	1.8	1.8	1.8	1.8
GOODELL (PINE CREEK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
V. H. (PINE CREEK)	9.0	8.8	8.7	8.6	8.5	8.4	8.5	8.7	8.6	8.7	8.6	8.4	8.3	8.3	8.3	[illegible]
COLLETT (PINE CREEK)	7.0	7.2	7.3	7.4	8.5	7.6	7.5	7.3	7.2	7.3	7.4	7.6	7.7	7.7	7.7	8.8
DIAMOND P & C (PINE CR.)	.8	.7	.7	.7	.7	.7	.7	.6	.6	.6	.6	.6	.6	.6	.5	.4
DIAMOND P & C NO.1 (PINE CR.)	.7	.9	.7	.6	.5	.3	.6	.9	1.2	1.1	1.0	1.0	1.0	1.0	1.0	2.2
HAGGERTY (WEST) (PINE CR.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.6
TOTAL	224.5	226.3	221.6	222.7	223.7	217.5	210.7	205.9	201.7	196.4	195.5	195.6	197.2	208.1	209.7	204.6
BEAR RIVER CANALS																
GARRETT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIGHTS	12	11	11	6.0	.5	.5	.5	.5	.5	.5	.5	.5	.5	.4	.4	.4
WYMAN (EAST)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WYMAN (WEST)	6.3	3.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNYDER	9.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROCKY POINT	6.8	9.0	11	12	15	15	5.4	0	0	0	0	0	0	0	0	0
COON	30	30	32	27	22	22	22	21	21	22	9.3	12	12	17	17	1.4
J. B. RICHARDS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	64.1	53.2	54	45.0	37.5	37.5	27.9	21.5	21.5	22.5	9.8	12.5	12.5	17.4	17.4	1.8
SECTION TOTAL DIVERSIONS	288.6	279.5	275.6	267.7	261.2	255.0	238.1	227.4	223.2	216.9	205.3	207.9	209.7	220.5	222.1	206.4

AUG. 1954	17	18	19		21	22	23	24	25	26	27	28	29	30	31	TOTAL
MEAS. SUP. SMITHS FK BASIN																
QUINN-BOURNE CANAL	17	15	13	13	13	13	13	13	13	12	12	12	11	10	9.6	442.6
SMITHS FORK NEAR BORDER	116	116	116	116	127	124	115	112	110	108	106	104	103	101	101	3,938
COAL CREEK (HOWLAND)	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.1	2.0	1.8	1.7	74.5
GRADE CREEK	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	57.3
PINE CR. ABOVE DIVERSIONS	17	16	17	17	17	17	[illegible]	16	15	16	17	15	15	15	16	504
DIAMOND P & C CANAL	.3	.3	.3	.4	.5	.7	1.0	1.2	1.2	1.2	1.2	1.0	.9	.8	.7	21.8
DIAMOND P & C CANAL #1	2.8	2.8	2.8	[illegible]	2.1	.4	.4	.4	.4	.4	.4	.4	.4	.4	2.5	34.1
HAGGERTY (WEST SIDE) CANAL	3.2	3.0	2.9	[illegible]	3.5	0	0	0	0	0	0	0	0	0	0	18.1
PINE CR. ABOVE COVEY CANAL	1.3	1.4	1.6	2.1	2.4	3.9	5.1	6.4	6.4	6.4	6.4	6.2	6.0	5.8	5.5	150.7
SPRING CR. ABOVE COVEY CANAL	4.7	4.7	4.7	[illegible]	5.7	5.5	5.3	5.1	5.1	5.1	5.1	4.9	4.7	4.5	4.3	148.9
TOTAL	166.4	163.3	162.4	[illegible]	175.4	168.6	160.[illegible]	159.2	156.2	153.1	152.1	148.4	145.7	142.0	143.0	5,292.0
COVEY CANAL SYSTEM																
COVEY CANAL AT HEAD	42	41	42	[illegible]	48	50	46	43	43	43	41	41	41	42	48	1,475
COVEY CANAL FROM PINE CR.	1.3	1.4	1.6	7.1	2.6	3.9	5.1	6.4	6.4	6.4	6.4	6.2	6.0	5.9	5.5	150.7
SPRING CR. ABOVE COVEY CANAL	4.7	4.7	4.7	5.2	5.7	5.5	5.3	5.1	5.1	5.1	5.1	4.9	4.7	4.5	4.3	148.9
SPRING CR. TO COLLETT CR. (-)	0	0	0	[illegible]	0	[illegible]	0	0	0	0	0	0	0	0	0	0
TOTAL	48.0	47.1	48.3	50.3	56.3	59.4	56.4	54.5	54.5	54.5	52.5	52.1	51.7	52.3	57.8	1,774.6
SMITH FORK CANALS																
QUINN-BOURNE	17	15	13	13	13	13	13	13	13	12	12	12	11	10	9.6	442.6
BUTTON FLAT	3.5	3.4	3.3	3.3	2.5	0	0	0	0	0	0	0	0	0	0	96.3
PERRY PARTRIDGE	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.1	2.0	2.0	2.0	1.9	1.9	57.4
PROGRESS	3.4	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.0	2.0	2.4	2.6	2.6	3.5	5.3	131.0
EMELLE	30	30	31	31	31	30	30	30	30	29	29	28	27	27	26	762
COOPER	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	62
WHEELOCK	7.4	7.6	7.9	7.0	6.3	7.0	8.0	9.8	10	10	10	10	10	10	7.0	265.9
COVEY SYSTEM	49.0	47.1	49.3	50.3	56.3	59.4	56.4	54.5	54.5	54.5	52.5	52.1	51.7	52.3	57.8	1,774.6
TANNER, HUNT & GARRETT	15	15	16	16	18	15	12	12	11	11	13	10	11	11	11	[illegible]
WHITES WATER	19	19	19	23	25	26	23	23	22	22	20	18	19	23	22	[illegible]
MARTIN (COLLETT CREEK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
JOHN BOURNE (COLLETT CREEK)	4.7	4.4	4.2	4.0	3.5	3.0	2.5	1.8	1.1	.4	.2	0	0	0	[illegible]	[illegible]
FORGEON (COLLETT CREEK)	.1	0	0	0	0	0	0	0	0	1.4	1.7	2.0	2.4	[illegible]	[illegible]	[illegible]
OLSON CREEK (COLLETT CREEK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STONER-NICHOLS (SO. BRANCH)	3.4	3.2	2.8	2.3	2.7	3.2	1.7	3.8	3.9	4.0	4.0	4.1	[illegible]	[illegible]	[illegible]	139.7
MORGAN (SO. BRANCH)	3.1	2.7	3.0	3.7	3.6	4.0	4.5	3.6	3.3	2.7	2.5	2.2	2.0	[illegible]	3.1	117.9
COKEVILLE WATER (SO. BRANCH)	0		0	0	0	0	0	0	0	0	0	.3	.9	.9	1.1	16.2
TANNER #1 (SO. BRANCH)	0	0	0	0	0	0	0	0	0	0	0	1.0	2.0	2.0	2.0	7.6
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.)	3.5	3.5	3.4	3.2	3.1	3.0	2.4	2.6	3.4	4.3	4.5	4.3	2.6	.9	1.2	[illegible]
SO. BR. #2 (SMITHS FORK)	1.8	1.6	1.8	2.0	2.6	3.2	[illegible]	4.0	4.2	4.4	4.3	4.2	2.0	1.4	1.5	[illegible]
SO. BR. #1 (RYAN CREEK)	10	8.0	7.9	7.8	6.9	5.5	4.1	3.4	2.7	1.7	2.9	3.9	6.2	3.4	2.3	277.6
TANNER #3 (SMITHS FORK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRIBUTARY CANALS																
FORD CANAL (COAL CREEK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GRADE CREEK CANAL	1.5	1.8	1.8	1.8	1.8	1.8	1.5	1.8	1.8	1.8	1.9	1.8	1.7	1.7	[illegible]	[illegible]
GOODELL (PINE CREEK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
V. H. (PINE CREEK)	8.2	8.7	9.2	9.0	[illegible]	9.1	[illegible]	9.0	9.0	9.7	11	9.0	[illegible]	[illegible]	[illegible]	[illegible]
COLLETT (PINE CREEK)	8.8	7.3	7.6	7.6	7.5	7.6	6.8	7.0	6.8	6.3	7.4	[illegible]	5.4	6.6	[illegible]	[illegible]
DIAMOND P & C (PINE CR.)	.3	.3	.3	.4	.5	[illegible]	1.0	1.2	1.2	1.2	1.3	1.4	[illegible]	[illegible]	.7	[illegible]
DIAMOND P & C NO.1 (PINE CR.)	2.8	2.8	2.6	2.7	2.1	.4	.3	.4	.4	.5	.4	.2	.4	.4	2.9	34.1
HAGGERTY (WEST) (PINE CR.)	3.2	3.0	2.9	[illegible]	3.4	0	0	0	0	0	0	0	0	0	0	18.1
TOTAL	199.4	191.0	192.9	199.6	204.6	197.7	190.1	188.5	185.7	183.9	180.3	177.9	176.5	179.3	188.7	[illegible]
BEAR RIVER CANALS																
GARRETT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIGHTS	.3	.3	.2	.2	.2	.2	.1	.1	.1	0	0	0	0	0	0	[illegible]
WYMAN (EAST)	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	9.5
SNYDER	0	0	7.0	14	14	13	[illegible]	12	12	11	10	9.2	8.2	7.1	6.8	[illegible]
ROCKY POINT	0	0	.1	.2	.3	.4	.5	.5	[illegible]	.5	.9	.5	.5	.5	.4	79.7
COON	1.4	1.1	.9	.7	.6	.6	.6	.5	[illegible]	.5	.9	.5	.5	.7	3.5	320.8
J. B. RICHARDS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1.7	1.4	8.3	15.1	15.1	14.7	14.7	13.1	13.1	12.0	11.8	10.2	9.2	8.3	10.7	602.8
SECTION TOTAL DIVERSIONS	201.1	192.4	201.2	214.7	219.7	211.9	204.8	201.6	198.8	195.9	191.4	188.3	187.7	187.6	199.4	6,801.4

PLATE NO 67

DAILY DISCHARGE IN C.F.S. OF SMITHS FORK & BEAR RIVER CANALS IN WYOMING SECTION OF CENTRAL DIVISION

SEPT 1954	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	9.2	8.7	8.2	7.7	7.2	6.7	6.2	6.0	5.8	5.5	5.4	5.3	5.2	5.1	4.8	4.5	4.2	4.1	3.9	3.8	3.7	3.5	3.3	3.1	3.1	3.1	3.0	3.0	2.8	2.7		148.8
SMITHS FORK NEAR BORDER	101	106	110	112	106	103	101	101	99	97	97	103	99	97	93	93	92	92	93	92	92	92	92	93	92	90	88	88	88	88		2,890
COAL CREEK (HOWLAND)	1.9	2.1	2.3	2.3	2.3	2.2	2.2	2.0	1.9	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.7	1.7	1.6	1.6		56.8
GRADE CREEK	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5		50.2
PINE CR. ABOVE DIVERSIONS	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	17	16	16	16	16	14	16	17	16	16	16		480
DIAMOND P & C CANAL	.8	.9	1.1	1.1	1.0	.9	.9	.9	.9	.9	.9	.9	.9	.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3	[illegible]	1.3	1.3	1.2	1.1	1.0	.9	.9	1.3		31.3
DIAMOND P & C CANAL #1	2.5	1.5	.4	.4	.4	.4	.4	.4	.3	.3	.3	.3	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	2.7	3.8	3.8	1.6		25.1
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	6.2	7.0	7.8	7.6	7.4	7.2	7.0	7.0	7.0	7.0	7.2	7.3	7.4	7.5	7.5	7.5	7.5	7.5	7.4	7.3	7.3	7.5	7.6	7.8	7.2	6.6	6.0	5.5	6.6	7.8		215.2
SPRING CR. ABOVE COVEY CANAL	4.7	5.1	5.5	5.2	4.9	4.6	4.3	4.6	4.8	5.1	5.2	5.3	5.4	5.5	5.4	5.4	5.3	5.3	5.4	5.5	5.5	5.6	5.6	5.7	5.6	5.4	5.2	5.1	5.3	5.5		157.0
TOTAL	144.1	149.1	153.1	154.1	147.0	142.8	139.8	139.7	137.4	135.2	135.4	141.5	137.8	135.9	131.6	131.3	130.0	129.9	130.8	130.8	129.7	129.8	129.6	130.7	126.9	126.0	126.2	125.6	126.6	126.0		4,054.4
COVEY CANAL SYSTEM																																
COVEY CANAL AT HEAD	50	52	53	53	51	50	51	50	48	47	46	50	47	46	44	44	36	32	33	32	31	30	30	27	28	26	24	22	14	12		1,161
COVEY CANAL FROM PINE CR.	6.2	7.0	7.8	7.6	7.4	7.2	7.0	7.0	7.0	7.0	7.2	7.3	7.4	7.5	7.5	7.5	7.5	7.5	7.4	7.3	7.3	7.5	7.6	7.8	7.2	6.6	6.0	5.5	6.6	7.8		215.2
SPRING CR. ABOVE COVEY CANAL	4.7	5.1	5.5	5.2	4.9	4.6	4.3	4.6	4.8	5.1	5.2	5.3	5.4	5.5	5.4	5.4	5.3	5.3	5.4	5.5	5.5	5.6	5.6	5.7	5.6	5.4	5.2	5.1	5.3	5.5		157.0
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
TOTAL	60.9	64.1	66.3	65.8	63.3	61.8	62.3	61.6	59.8	59.1	58.4	62.6	59.8	59.0	56.9	56.9	48.8	44.8	45.8	44.8	43.8	43.1	43.2	42.5	40.8	38.0	35.2	32.6	25.9	25.3		1,533.2
SMITHS FORK CANALS																																
QUINN-BOURNE	9.2	8.7	8.2	7.7	7.2	6.7	6.2	6.0	5.8	5.5	5.4	5.3	5.2	5.1	4.8	4.5	4.2	4.1	3.9	3.8	3.7	3.5	3.3	3.1	3.1	3.1	3.0	3.0	2.8	2.7		148.8
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 PARTRIDGE	1.9	1.9	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	.5	0	0	0	0	0	0	0	0	0	0	0		27.4
PROGRESS	5.5	5.7	6.0	5.6	5.2	4.7	4.3	4.1	3.8	3.6	3.6	3.5	3.4	3.4	3.2	3.0	2.9	2.8	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.6	2.7		105.5
EMELLE	27	27	28	28	27	27	18	10	7.5	9.1	9.1	9.1	9.1	9.1	9.0	8.8	8.6	8.6	8.6	8.6	8.4	8.4	8.4	8.6	8.3	8.0	7.8	7.5	7.8	8.0		381.0
COOPER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		30
WHEELOCK	1.2	2.3	3.4	3.3	3.2	1.5	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		14.9
COVEY SYSTEM	60.9	64.1	66.3	65.8	63.3	61.8	62.3	61.6	59.8	59.1	58.4	62.6	59.8	59.0	56.9	56.9	48.8	44.8	45.8	44.8	43.8	43.1	43.2	42.5	40.8	38.0	35.2	32.6	25.9	25.3		1,533.2
TANNER, HUNT & GARRETT	12	12	14	15	15	15	15	15	15	14	13	14	14	13	17	12	12	17	14	16	16	16	16	16	17	17	17	19	19	19		446
WHITES WATER	24	25	25	25	24	22	22	21	21	20	20	20	21	21	20	20	[illegible]	22	21	20	21	22	22	24	26	25	24	23	22	22		666
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
JOHN BOURNE (COLLETT CREEK)	0	0	0	0	0	0	0	0	0	0	0	0	2.5	4.5	5.5	5.5	6.0	6.5	6.2	6.0	6.0	4.0	0	0	0	0	0	0	0	0		52.7
FORGEON (COLLETT CREEK)	2.9	3.0	3.0	3.0	2.8	2.7	2.5	2.2	2.0	1.7	1.4	.8	0	0	0	0	0	0	0	0	0	1.5	2.2	2.5	2.8	2.9	3.4	3.2	3.3	3.2		52.6
OLSON CREEK (COLLETT CREEK)	0	0	.7	[illegible]	1.0	1.0	1.0	1.1	1.1	1.1	1.1	.9	.7	.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		11.0
STONER-NICHOLS (SO. BRANCH)	4.5	3.0	0	0	0	0	0	0	0	0	0	0	0	1.0	2.0	2.0	2.4	2.8	2.0	2.7	3.0	3.2	3.4	3.4	3.4	3.2	3.0	2.9	2.8	2.8		54.3
MORGAN (SO. BRANCH)	4.2	5.6	4.8	3.9	4.4	4.8	4.6	4.3	4.1	4.0	3.9	4.0	4.1	3.8	3.5	3.7	2.9	2.4	2.4	2.4	2.4	2.5	2.6	2.6	2.6	2.6	2.7	2.6	2.4	2.3		102.5
COREVILLE WATER (SO. BRANCH)	1.3	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.5	1.3	1.2	1.1	1.0	1.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.5	1.3	1.3		45.7
TANNER #1 (SO. BRANCH)	3.2	3.8	3.8	3.7	3.7	3.7	3.6	3.6	3.5	3.4	3.4	3.6	3.4	3.5	3.4	2.9	2.6	2.7	2.4	2.4	2.4	2.3	2.1	2.1	2.1	2.0	1.8	1.7	1.6	1.6		86.8
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.)	1.4	2.4	2.0	1.5	1.2	.9	1.1	1.2	1.4	1.0	.6	.7	.8	.5	.8	.8	.7	.5	1.0	1.5	2.0	1.9	.8	.8	.9	.8	.8	.7	.6	.5		32.1
SO. BR. #2 (SMITHS FORK)	1.6	1.9	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.9	2.0	2.2	2.4	2.6	2.7	3.1	3.9	3.1	2.9	2.7	2.6	2.6	2.6	1.8	1.1	2.8	4.4	4.5		70.1
SO. BR. #1 (RYAN CREEK)	8.1	8.0	8.6	9.1	8.0	7.0	6.9	6.7	6.6	5.2	3.9	4.5	5.1	4.8	4.5	4.2	5.1	6.0	6.6	7.2	7.7	8.2	8.7	5.6	2.5	4.9	7.0	7.0	7.0	7.0		191.4
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
TRIBUTARY CANALS																																
FORD CANAL (COAL 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
GRADE CREEK CANAL	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.2	1.6	1.4	1.6	1.6	1.4	1.4	1.4	1.6	1.4	1.5		50.7
GOODELL (PINE 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
V. H. (PINE CREEK)	8.4	7.7	7.0	6.6	6.2	5.8	5.8	5.8	5.8	4.2	5.0	5.9	6.8	7.7	7.7	6.8	5.1	5.0	5.0	4.9	4.8	4.7	4.8	6.9	6.7	6.5	6.3	6.1	6.1	6.1		142.3
COLLETT (PINE CREEK)	7.6	8.3	9.0	9.4	9.8	10	10	10	10	12	11	10	9.2	8.3	8.3	9.2	11	11	11	17	11	11	11	9.1	7.5	9.5	11	9.9	9.9	9.9		296.9
DIAMOND P & C (PINE CR.)	.8	.9	1.1	1.1	1.0	.9	.9	.9	.9	.9	.9	.9	.9	.9	1.0	1.0	1.1	1.1	1.7	1.3	1.3	1.2	1.3	1.3	1.2	1.1	1.0	.9	.9	1.3		31.3
DIAMOND P & C NO.1 (PINE CR.)	2.5	1.5	.4	.4	.4	.4	.4	.4	.3	.3	.3	.3	.4	.4	.4	.4	.4	.4	.6	.4	.4	.4	.4	.4	.4	.4	2.7	3.8	3.8	1.4		25.1
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	191.0	197.1	199.3	199.0	191.3	183.7	172.3	161.5	158.0	152.5	148.5	153.5	154.1	154.0	150.3	148.6	142.6	141.3	143.0	144.1	143.9	143.9	139.9	138.6	134.8	133.6	134.2	132.3	126.8	124.3		4,638.0
BEAR RIVER CANALS																																
GARRETT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
SIGHTS	0	0	0	0	0	0	0	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 (EAST)	0	0	0	0	0	.8	1.2	1.2	1.2	1.3	1.4	2.8	4.2	4.0	3.8	3.7	3.7	12	20	17	17	17	17	15	16	15	16	19	19	22		252.3
WYMAN (WEST)	0	22	33	33	31	29	27	26	25	25	25	26	27	27	26	26	26	17	0	0	0	0	0	0	0	0	0	0	0	-		458
SNYDER	6.4	6.1	4.1	2.1	2.1	9.2	8.8	8.2	7.6	7.2	6.8	7.4	8.1	7.9	7.6	7.3	7.3	7.3	6.4	5.8	5.4	5.2	5.0	3.6	2.2	2.0	1.4	1.8	1.6	1.4		174.1
ROCKY POINT	.5	.6	5.6	2.5	1.8	2.4	1.5	1.6	1.8	1.8	1.9	2.6	3.3	3.5	3.6	4.5	5.8	7.3	12	17	11	9.0	10	8.7	7.7	6.8	6.8	9.8	11	13		175.4
COOK	3.8	3.8	3.5	1.0	1.2	1.9	.7	.5	1.1	.8	1.3	.6	.6	.6	.6	.6	.6	.6	.7	.6	.7	.7	.6	.4	.6	.6	.6	.6	.5	.5		31.3
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	10.7	32.5	46.2	38.6	36.1	43.3	39.2	37.5	36.7	36.1	36.4	39.4	43.2	43.0	41.6	42.1	43.4	39.2	39.1	40.4	34.1	31.9	32.6	28.7	26.5	25.4	25.3	30.2	32.3	37.3		1,069.1
SECTION TOTAL DIVERSIONS	201.7	229.6	245.5	237.6	227.4	227.0	211.5	199.0	194.7	188.6	184.9	192.9	197.3	197.0	191.9	190.7	196.2	180.5	182.1	184.5	178.0	175.8	172.5	167.3	161.3	159.0	159.6	162.5	159.1	161.6		5,707.1

PLATE NO 68

DAILY NET INFLOW IN C.F.S. OF SMITHS FORK TO BEAR RIVER

JUNE 1954	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
BEAR RIVER BELOW SMITHS FORK	284	263	242	229	232	246	266	256	249	263	263	260	249	238	229	225	225	222	219	213	216	229	235	252	280	270	294	325	291	270		7,535
GARRETT SPRINGS TO BEAR RIVER	26	26	26	28	30	31	35	30	28	29	29	28	33	35	33	31	29	29	26	30	34	34	42	46	48	47	49	47	41	40		1,020
GARRETT CANAL	0	0	0	0	.2	.4	.6	.7	.8	.9	1.0	1.0	1.1	1.3	.6	.6	.3	0	0	0	0	0	0	0	0	0	0	0	0	0		9.3
TOTAL OUTFLOW	310	289	268	257	262.2	277.4	301.6	286.7	277.8	292.9	293.0	289.0	283.1	274.1	262.6	256.6	254.3	251	245	243	250	263	277	298	328	317	343	372	332	310		8,564.3
BEAR R. ABOVE SUBLETTE CREEK	18	18	18	20	23	26	30	33	34	34	34	34	34	33	33	33	33	31	30	30	28	26	25	21	19	22	24	30	27	24		825
NET FLOW OF SMITHS FORK	292	271	250	237	239.2	251.4	271.6	253.7	243.8	258.9	259.0	255.0	249.1	241.1	229.6	223.6	221.3	220	215	213	222	237	252	277	309	295	319	342	305	286		7,739.3

JULY 1954	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
BEAR RIVER BELOW SMITHS FORK	246	232	219	216	209	197	186	180	177	174	180	183	177	169	169	166	158	166	180	180	171	166	152	150	140	130	128	121	112	110	106	5,250
GARRETT SPRINGS TO BEAR RIVER	26	23	23	22	21	20	18	17	17	16	16	16	15	15	14	14	14	15	15	14	14	13	12	9.3	13	14	15	16	17	18	15	509.3
GARRETT CANAL	0	0	0	0	1.2	2.3	2.3	2.2	2.4	2.7	3.1	3.4	3.5	3.4	3.3	2.7	3.0	3.2	3.5	3.4	3.3	2.8	2.4	2.0	1.6	1.2	.9	.6	.2	.1	0	60.7
TOTAL OUTFLOW	274	255	242	238	231.2	219.3	206.3	199.2	196.4	192.7	199.1	202.4	195.5	187.4	186.3	182.7	175.0	184.2	198.5	197.4	188.3	181.8	166.4	161.3	154.6	145.2	143.9	137.6	129.2	128.1	121	5,820.0
BEAR R. ABOVE SUBLETTE CREEK	22	16	14	14	13	16	14	18	23	24	27	29	28	27	25	27	30	30	22	30	27	26	26	26	27	23	24	21	21	21	19	720
NET FLOW OF SMITHS FORK	252	239	[illegible]	224	218.2	203.3	192.3	181.2	173.4	168.7	172.1	173.4	167.5	160.4	161.3	155.7	145.0	154.2	166.5	167.4	161.3	155.8	140.4	135.3	127.6	122.2	119.9	116.6	108.2	107.1	102	5,100.0

AUG 1954	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
BEAR RIVER BELOW SMITHS FORK	104	104	104	104	106	104	102	102	104	100	108	108	102	97	90	87	85	85	83	83	85	83	83	82	77	74	74	73	72	80	83	2,826
GARRETT SPRINGS TO BEAR RIVER	16	16	16	15	13	15	15	15	15	15	15	14	13	13	14	14	14	15	14	14	14	15	14	15	15	16	15	15	15	14	13	452
GARRETT 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
TOTAL OUTFLOW	120	120	120	119	119	119	117	117	119	115	123	122	115	110	104	101	99	100	97	97	99	98	97	97	92	90	89	86	87	94	96	3,278
BEAR R. ABOVE SUBLETTE CREEK	17	17	17	18	19	17	18	19	19	27	30	28	26	24	22	21	20	20	19	19	17	16	16	15	14	13	13	13	16	21	20	591
NET FLOW OF SMITHS FORK	103	103	103	101	100	102	99	98	100	88	93	94	89	86	82	80	79	80	78	78	82	82	81	82	78	77	76	73	71	73	76	2,687

SEPT. 1954	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
BEAR RIVER BELOW SMITHS FORK	85	88	88	88	90	92	88	85	79	77	75	79	80	79	74	74	75	77	77	77	77	75	79	79	77	72	71	71	71	99		2,398
GARRETT SPRINGS TO BEAR RIVER	13	13	13	13	13	13	13	13	13	13	13	15	15	15	15	17	17	18	18	18	18	18	18	18	18	18	18	17	17	17		468
GARRETT 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
TOTAL OUTFLOW	98	101	101	101	103	105	101	98	92	90	88	94	95	94	89	91	92	95	95	95	95	93	97	97	95	90	89	88	88	116		2,866
BEAR R. ABOVE SUBLETTE CREEK	18	19	19	20	19	19	19	18	17	17	17	17	18	18	18	18	18	17	17	17	17	17	17	19	19	19	19	19	19	62		587
NET FLOW OF SMITHS FORK	80	82	82	81	84	86	82	80	75	73	71	77	77	76	71	73	74	78	78	78	78	76	80	78	76	71	70	69	69	54		2,279

PLATE NO. 69

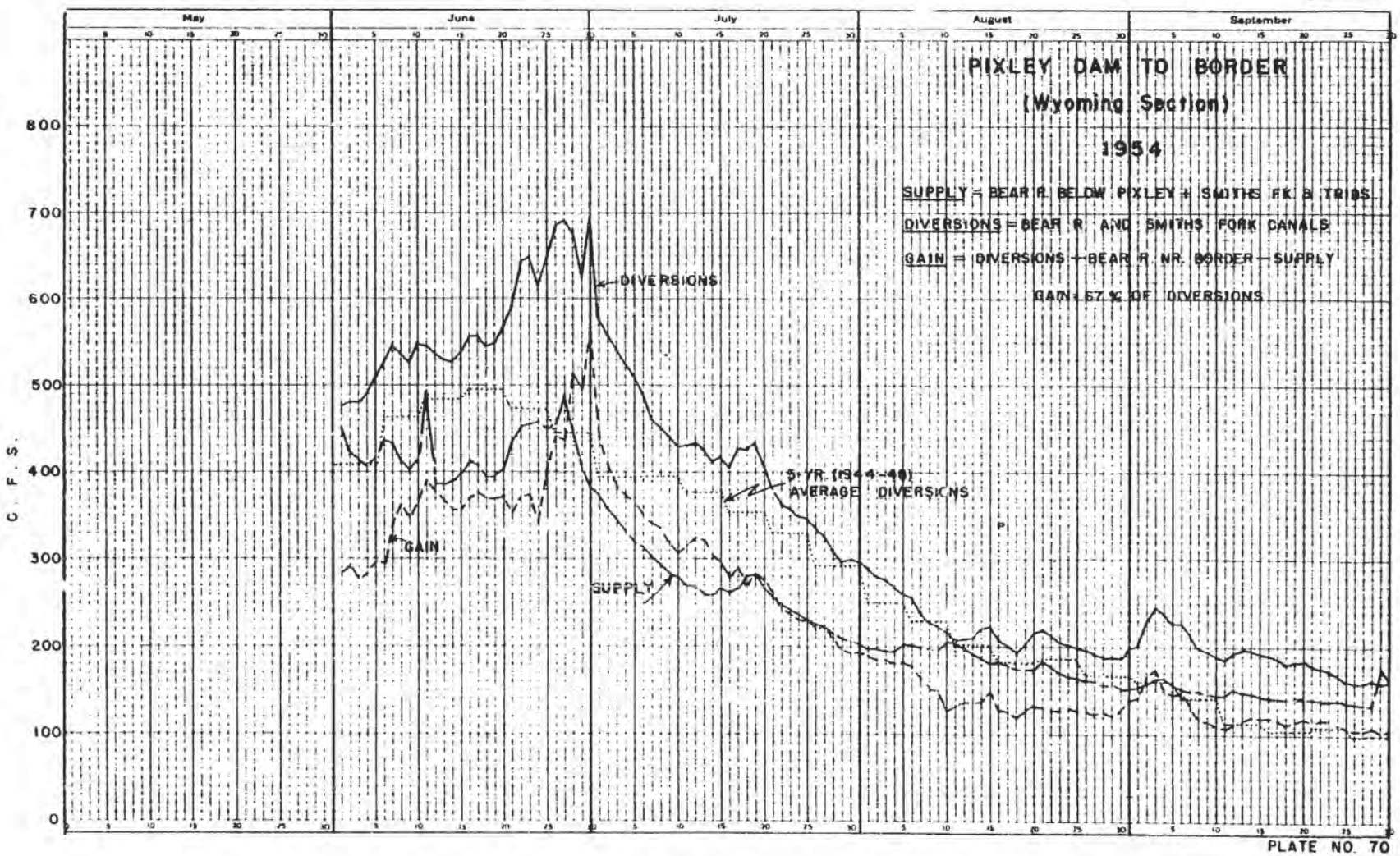

File No. Washington Field
May
June
July
August
September
PIXLEY DAM TO BORDER
(Wyoming Section)
1954
SUPPLY = BEAR R. BELOW PIXLEY + SMITHS FK. & TRIBS.
DIVERSIONS = BEAR R. AND SMITHS FORK CANALS
GAIN = DIVERSIONS + BEAR R. NR. BORDER − SUPPLY
GAIN = 67% OF DIVERSIONS
DIVERSIONS
5 YR. (1944-48) AVERAGE DIVERSIONS
GAIN
SUPPLY
C. F. S.
800
700
600
500
400
300
200
100
0

PLATE NO. 70

DAILY DISCHARGE IN C.F.S. OF BEAR RIVER CANALS IN IDAHO

MAY 1954	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					6.2	10	11	11	11	12	13	13	12	11	10	7.8	7.7	7.6	7.5	7.4	7.5	7.6	8.5	11	11	11	11	10	8.0	3.5	3.4	163.5
SUPPER	10	14	15	16	17	17	19	22	24	26	26	28	28	27	26	24	24	24	24	22	24	26	27	26	24	26	25	22	22	22	21	464
PACIFIC (SORENSEN)								10	12	14	14	14	15	16	16	17	18	18	18	18	18	18	18	18	18	18	17	17	17	16	16	327
TRANSFER																																
LOYD			2.3	3.5	3.6	3.9	4.2	4.7	5.2	5.8	6.4	6.6	6.8	6.6	6.3	5.6	4.9	4.2	4.0	3.8	4.2	5.2	4.4	4.2	3.5	3.5	3.5	3.5	3.5	3.5	3.4	84.6
PHELPS ESTATE			3	11	11	11	11	12	12	12	13	13	13	13	12	12	12	12	12	12	12	11	11	11	11	13	10	10	9.6	9.2	8.7	8.0	209.5
DIBBLE IRRIGATION																																
BEAM-SACHETT																																
BLACK OTTER & PRO LEO	58	52	48	45	44	94	96	99	98	36	48	50	10	10	25	28	30	36	50	53	58	60	60	61	59	52	31	39	39	39	40	780
MONTPELIER-PRESTON	23	23	23	24	28	29	29	32	32	32	36	50	60	66	66	64	64	70	74	72	72	73	74	74	74	71	58	57	59	58	58	1,264
KENT-LOROCCO	6.0	10	11	12	12	12	14	15	16	16	16	16	52	56	70	67	65	63	67	58	63	81	82	84	78	70	72	69	68	56	54	1,563
FURMIE													14	14	13	10	10	9.0	8.7	5.7	5.3	5.6	5.8	6.4	4.8	2.9	4.8	3.4	3.5	4.5	4.3	1,275
WEST FORK	32	30	28	30	31	32	35	36	38	81	155	163	160	128	150	150	143	139	147	133	140	171	174	170	148	138	148	138	145	152	156	135.7
TOTAL													465.8	439.6	483.3	468.4	456.6	459.8	486.2	455.9	474.0	534.4	542.7	547.6	517.3	487.4	469.3	452.5	459.2	448.2	442.1	2,826
																																9,090.3*
HEAD B: BELOW STEWART DAM	9.3	9.7	8.9	8.9	8.6	8.2	8.6	8.6	8.9	10	15	15	14	14	15	16	16	16	18	18	18	19	19	19	18	18	19	18	19	19	19	451.7
RAINBOW INLET CANAL	429	413	386	348	323	316	348	378	394	341	262	259	252	231	180	156	148	132	109	92	48	19	31	46	46	27	31	26	24	19	14	5,828
TOTAL	438.3	422.7	394.9	356.9	331.6	324.2	356.6	386.6	402.9	351	277	274	266	245	195	172	164	148	127	110	66	38	50	65	64	45	50	44	43	38	33	6,279.7
STEWART DAM TO ALEXANDER																																
JOHNSON																																
BUDGE						10	10	10	10	10	10	10	10	10	10	0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	600
TOTAL						10	10	10	20	10	10	10	10	10	10	0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	600**
ALEXANDER TO OREIDA																																
LAST CHANCE	0	0	0	0	0	0	0	0	0	43	79	132	174	220	278	291	298	297	293	293	296	290	290	294	296	293	285	284	222	172	98	5,218
BENCH #2	17	18	17	17	19	22	32	42	46	57	84	93	108	138	159	160	158	155	152	118	152	148	152	151	150	153	154	153	128	76	76	3,135
TANNER #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
GENTILE VALLEY	32	36	34	34	48	41	40	55	63	60	80	73	76	75	76	75	75	78	79	79	82	67	67	66	51	63	60	63	62	59	60	1,909
TOTAL	49	54	51	51	67	63	72	97	109	160	243	298	358	433	513	526	531	530	524	520	530	505	509	511	497	509	499	500	412	307	234	10,262
OREIDA TO PRESTON																																
TITUS COOMBS PUMP											Total for month based on KWH (from meter reading) and pump rating.																					24
LOYAL WHITE PUMP											Total for month based on KWH (from meter reading) and pump rating.			1.0	3.0	3.5	3.6	4.0	3.6	3.8	3.8	1.5	2.0	2.6	3.7	3.9	3.4	2.8	2.1	1.9	3.2	21
SMITH BOSEN											Total for month based on KWH (from meter reading) and pump rating.			1.8	2.8	3.2	3.2	3.6	3.0	3.5	2.0	0	0	3.0	4.2	3.5	3.0	2.3	2.0	0	3.8	15
SMITH BROTHERS PUMP													9.6	11		11	12	13	13	22	15	9.7	9.1	10	14	12	9.7	7.5	7.4	7.4	11	132
RIVERDALE-PRESTON PUMP																																
NELSON																																
RIVERDALE																																
WEST CACHE	67	66	66	74	82	90	101	119	138	167	174	172	172	168	171	170	184	172	176	177	170	159	156	157	159	159	156	152	153	156	166	4,449
TOTAL														179.8	187.8	187.7	202.7	198.6	195.6	206.3	189.8	170.2	167.1	172.6	180.7	175.4	170.1	164.6	164.5	165.3	184.0	
PRESTON TO IDAHO-UTAH ST. LINE																																
CUB RIVER PUMPS																													26	50	50	

* May 13-31
** May 6-31

PLATE NO 71

DAILY DISCHARGE IN C.F.S. OF BEAR RIVER CANALS IN IDAHO

JUNE 1954	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
BORDEN TO STEWART																																
BUTLER	3.4	3.2	3.0	3.0	4.5	6.3	6.2	6.6	6.2	6.3	6.3	5.5	4.7	3.9	3.1	3.1	3.1	3.1	3.2	3.1	4.4	5.7	6.3	6.9	7.5	8.1	8.7	9.3	10	9.8		166.2
HUFFER	20	18	17	16	13	13	13	14	14	14	14	14	14	16	18	20	22	24	24	23	21	19	18	17	17	17	17	20	22	22		529
PACIFIC (SORENSEN)	16	14	12	11	10	8.1	8.4	6.6	6.6	6.7	6.8	7.0	7.1	7.2	7.2	7.4	7.8	7.7	7.5	7.0	6.5	6.0	5.8	6.1	6.1	6.2	6.3	6.4	6.6	6.4		232.3
TRANSTRUM																																
LOYD																																
PHELPS ESTATE	3.4	3.2	3.0	2.8	2.6	2.5	2.4	2.5	2.4	2.3	2.2	2.1	2.1	2.0	1.9	2.4	2.6	2.5	2.2	1.9	1.5	1.1	1.0	1.0	1.1	1.2	1.2	3.2	4.8	3.4		69.5
	7.5	7.1	6.7	6.3	5.9	5.5	5.1	5.8	5.3	5.4	5.4	5.1	4.8	4.5	4.1	4.6	5.2	5.0	4.7	8.0	8.5	8.5	8.2	8.3	8.5	8.7	8.7	9.0	9.2	9.0		198.6
DINGLE IRRIGATION	38	37	36	36	36	37	36	34	37	32	29	26	26	26	23	20	20	20	20	20	19	23	30	30	31	32	32	33	33	35		842
HEAN-CROCKETT	58	56	57	55	54	54	54	54	41	39	40	40	40	40	37	33	34	34	34	34	34	35	38	36	36	37	36	37	38	48		1,263
BLACK OTTER & PEG LEG	83	77	72	63	60	62	86	100	101	101	102	102	100	100	95	89	78	74	74	74	92	87	68	62	67	70	71	71	77	76		2,436
MONTPELIER-PRESTON	53	49	44	38	42	46	46	45	49	46	48	48	46	46	44	49	55	46	40	46	44	41	39	48	49	55	56	63	70	68		1,461
GENT-LONOCCO	4.3	3.8	3.1	2.2	1.4	.8	1.3	1.5	2.6	4.3	5.2	7.4	7.0	7.2	5.5	7.6	12	11	5.9	3.7	3.0	6.4	9.2	9.6	12	12	12	14	15	12		203.0
PIONEER																																
WEST FORK	151	138	122	101	92	87	90	79	83	80	78	76	71	72	69	70	86	96	96	84	78	66	50	44	48	62	70	71	80	86		2,476
TOTAL	437.6	406.3	375.8	332.3	321.4	322.2	346.4	348.8	353.1	339.0	336.9	333.1	322.7	326.8	307.8	306.1	325.7	323.3	311.4	304.7	311.9	298.7	273.5	268.9	283.2	309.7	314.4	336.9	366.4	377.6		9,914.6
BEAR R. BELOW STEWART DAM	19	16	16	12	6.9	6.3	6.9	7.2	7.5	7.2	7.2	7.2	7.2	7.5	7.8	7.8	7.8	8.2	8.2	8.6	8.9	8.9	8.9	8.6	8.2	8.6	8.9	8.9	11	17		275.4
MAINBOW INLET CANAL	11	12	14	14	13	12	12	12	12	12	12	12	12	12	12	13	13	14	14	14	14	13	12	12	13	13	14	14	15	16		368
TOTAL	30	28	30	26	19.9	18.3	18.9	19.2	19.5	19.2	19.2	19.2	19.2	19.5	19.8	20.8	20.8	22.2	22.2	22.6	22.9	21.9	20.9	20.6	21.2	21.6	22.9	22.9	26	28		643.4
STEWART DAM TO ALEXANDER																																
JOHNSON																																
BUDGE	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		600
TOTAL	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		600
ALEXANDER TO ONEIDA																																
LAST CHANCE	86	179	188	186	190	190	209	221	224	222	238	242	232	232	232	229	241	259	255	251	252	263	279	292	239	215	215	241	252	251		6,801
BENCH "A"	74	74	72	72	73	72	73	73	73	74	98	102	105	104	104	104	106	105	104	105	103	103	102	103	103	102	98	98	98	98		2,772
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
GENTILE VALLEY	58	56	59	56	60	62	60	63	66	64	71	71	71	69	69	70	65	63	60	63	63	66	63	61	65	67	67	18	54	63		1,662
TOTAL	218	309	319	314	323	324	342	357	363	360	407	415	405	401	405	403	413	427	419	419	418	432	444	456	407	384	380	359	404	41		11,435
ONEIDA TO PRESTON																																
TITUS COMBS PUMP																					Total for month based on KWH from meter reading) and pump rating											
LOYAL WHITE PUMP																					Total for month based on KWH from meter reading) and pump rating										46
SMITH ROSEN	4.2	3.7	3.4	4.1	4.7	3.6	3.5	3.5	4.0	3.3	3.3	3.8	1.9	2.6	3.8	3.3	1.7	2.9	2.6	2.1	3.5	3.3	2.9	3.3	3.8	2.7	2.0	4.1	2.3	1.9		98
SMITH BROTHERS PUMP																					Total for month based on KWH from meter reading) and pump rating										99.2
RIVERDALE-PRESTON PUMP																					Total for month based on KWH from meter reading) and pump rating										24
NELSON	4.7	4.0	3.9	4.3	5.2	4.0	3.9	3.9	4.4	3.8	3.8	4.1	3.6	3.9	4.0	3.8	1.9	3.4	3.0	2.2	3.9	3.6	3.2	3.5	4.4	3.1	2.2	4.6	3.8	4.0		162
RIVERDALE	13	14	16	14	17	11	12	15	17	13	12	12	10	7.7	10	17	12	13	13	12	17	17	18	14	16	12	13	19	19	19		109.0
WEST CACHE	170	159	162	170	168	158	158	159	159	149	139	135	131	129	129	131	126	124	131	121	139	148	154	161	168	156	152	132	150	159		424.7
TOTAL	191.9	180.7	185.2	192.4	194.9	176.6	177.4	181.4	184.4	169.1	158.1	156.9	146.5	143.2	146.8	155.1	139.6	147.3	150.6	137.3	162.4	171.9	178.1	181.8	192.2	173.8	169.2	159.7	176.1	185.9		5,080.9
PRESTON TO IDAHO-UTAH ST. LINE																																
OSM RIVER PUMPS	49	50	50	50	50	50	50	50	50	47	25	25	25	25	25	25	25	25	25	40	50	50	50	49	75	75	46	50	50	50		1,306

PLATE NO 72

DAILY DISCHARGE IN C.F.S. OF BEAR RIVER CANALS IN IDAHO

JULY 1954	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	9.5	9.2	9.0	8.7	8.5	8.3	8.3	8.2	8.1	8.1	8.0	8.0	7.9	7.9	7.9	7.9	7.8	7.8	7.8	7.8	7.8	7.5	4.0	0	0	0	0	0	0	0	0	184.0
HAYDEN	21	20	19	18	18	17	17	16	15	15	15	15	15	14	14	13	11	10	11	11	11	11	11	10	0	0	0	0	0	0	0	348
PACIFIC (SORENSEN)	5.9	5.4	4.9	4.4	3.9	3.5	3.4	3.4	3.3	3.2	3.2	5.4	5.4	5.2	5.0	4.2	3.5	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.8	2.0	2.0	2.0	1.8	1.2	0	93.4
TRANSTRUM																																
LOID	2.5	2.0	1.8	1.5	1.1	1.0	1.0	1.0	.8	.7	.6	.5	.5	.4	.3	.2	.1	0	0	0	0	0	0	0	0	.2	.4	.4	.4	.3	0	17.7
PHELPS ESTATE	8.7	8.2	7.7	7.2	6.8	6.4	6.0	5.5	5.1	4.6	4.2	4.0	4.0	3.9	3.8	3.6	3.5	3.4	3.4	3.4	0	0	0	0	0	0	0	0	0	0	0	103.4
DINGLE IRRIGATION	36	35	34	33	34	35	35	35	34	33	33	32	31	32	37	37	36	36	36	35	35	36	37	37	37	37	38	41	40	39	37	1,103
BEAM-CROCKETT	56	55	54	54	52	50	42	42	43	43	43	43	43	42	42	42	42	42	42	41	41	41	41	41	41	41	41	42	36	11	10	1,301
BLACK OTTER & PEG LEG	72	66	60	56	54	52	55	51	51	49	47	46	47	45	43	41	38	36	36	36	35	32	29	25	25	23	25	29	28	30	28	1,293
MONTPELIER-PRESTON	62	57	52	48	47	44	49	52	50	50	47	46	47	45	33	10	24	28	28	32	47	50	53	56	44	38	37	42	30	32	30	1,310
BENT-LOBOCCO	9.8	10	12	9.9	9.0	9.2	14	19	18	19	18	18	17	17	14	15	9.9	6.8	8.6	7.2	2.7	3.5	5.0	5.0	3.1	0	0	0	0	0	0	280.7
POORMAN																																
WEST PARK	73	64	51	45	47	32	20	12	6.0	4.0	3.6	3.2	3.0	2.8	2.6	2.5	2.4	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.4	1.6	2.8	2.9	2.9	401.9
TOTAL	356.4	331.8	305.4	285.7	283.3	258.4	250.7	248.1	234.3	229.6	222.6	221.1	220.8	215.2	202.6	176.4	178.2	173.5	176.2	176.7	182.7	184.2	183.1	177.0	153.4	142.6	144.8	158.0	139.0	116.6	107.9	6,435.1
BEAR R. BELOW STEWART DAM	12	12	12	12	12	12	14	12	11	11	11	12	11	11	11	12	13	12	12	12	12	12	12	12	12	13	13	13	14	14	15	379
RAINBOW INLET CANAL	16	15	15	15	15	15	38	41	39	39	39	34	36	38	48	67	71	53	50	46	38	27	21	13	14	26	26	36	50	60	63	1,107
TOTAL	28	27	27	27	27	27	50	53	50	50	50	46	47	49	59	79	84	65	62	58	50	39	33	30	26	39	39	49	64	74	78	1,486
STEWART DAM TO ALEXANDER																																
JOHNSON																																
BUDGE	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	310
TOTAL	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	310
ALEXANDER TO ONEIDA																																
LAST CHANCE	250	220	199	196	207	216	217	216	221	224	240	277	297	300	306	308	304	302	313	318	318	307	288	270	254	249	240	239	237	223	207	7,953
BENCH "B"	101	78	69	68	70	69	70	69	68	68	68	66	66	70	68	89	103	107	105	105	102	106	106	106	106	104	106	102	105	62	38	2,612
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
GENTILE VALLEY	64	59	59	62	57	62	61	57	57	57	56	56	55	58	57	59	61	59	59	60	60	59	67	62	64	66	56	46	42	16	48	1,757
TOTAL	415	357	327	326	334	347	348	342	346	349	364	399	420	428	431	456	468	468	477	483	480	472	460	438	423	419	402	387	384	301	293	12,322
ONEIDA TO PRESTON																																
TITUS COMBS PUMP																					Total for month based on KWH					from meter readings and pump rating				58
ROYAL WHITE PUMP																					Total for month based on KWH					from meter readings and pump rating				91
SMITH HOSEN	4.4	4.2	4.5	4.6	4.2	4.4	4.8	3.5	3.5	4.0	3.9	4.7	2.9	3.0	3.0	3.0	4.6	3.9	4.2	4.3	3.0	3.5	3.1	3.1	4.0	3.7	3.7	2.9	2.7	1.5	3.1	115.9
SMITH BROTHERS PUMP																					Total for month based on KWH					from meter readings and pump rating				27
RIVERDALE-PRESTON PUMP																					Total for month based on KWH					from meter readings and pump rating				186
NELSON	5.2	4.9	5.0	5.3	4.9	5.0	5.4	3.9	3.9	4.4	4.3	5.3	3.3	4.1	4.3	4.3	5.3	4.4	5.2	5.4	3.7	3.7	3.3	3.3	4.3	4.0	4.0	3.0	2.8	1.6	3.3	129.9
RIVERDALE	19	19	18	18	17	17	19	14	14	16	14	18	15	20	18	19	19	18	19	15	16	17	16	18	16	15	12	12	14	10	500
WEST CACHE	158	161	161	165	161	160	160	167	166	168	156	159	152	153	161	167	173	173	162	159	159	152	144	129	136	132	131	128	127	126	128	4,728
TOTAL	186.6	189.1	188.5	192.9	187.1	186.4	189.2	188.4	187.4	192.4	178.2	187.0	172.2	179.1	180.7	192.7	199.9	200.3	189.4	184.7	178.7	178.2	167.4	164.4	162.3	155.7	153.7	145.9	144.5	139.1	144.4	5,835.8
PRESTON TO IDAHO-UTAH ST.LINE																																
CUB RIVER PUMPS	50	67	66	73	75	72	75	75	75	75	75	75	75	71	75	66	69	69	0	0	71	75	75	75	75	75	75	75	75	75	75	1,253

PLATE NO 7

DAILY DISCHARGE IN C.F.S. OF BEAR RIVER CANALS IN IDAHO

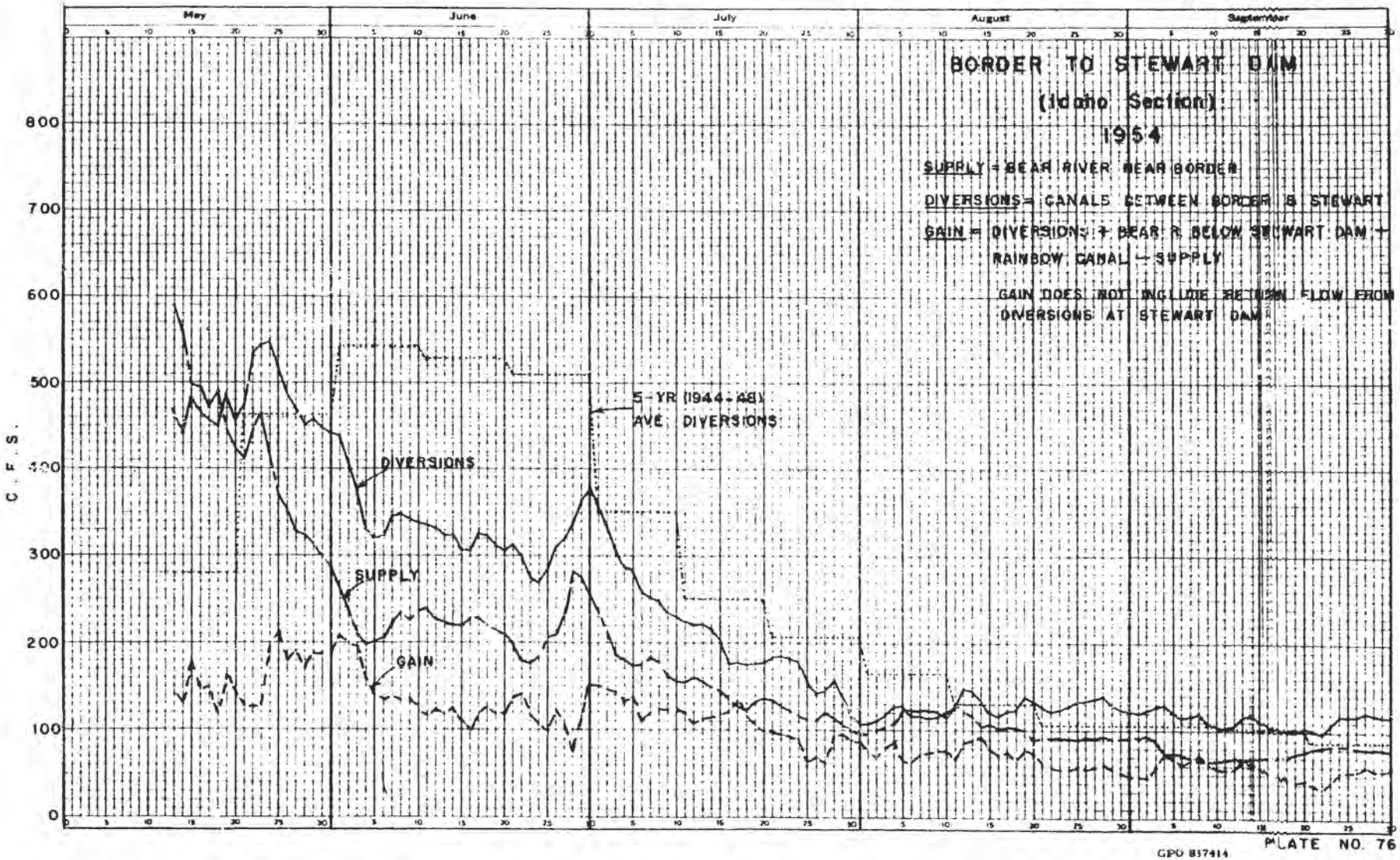
AUG. 1954	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
BOSHER TO STEWART																																
MILLER	0	4.8	4.8	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.6	5.7	5.9	6.0	6.1	6.3	6.4	6.4	6.4	6.4	0	0	0	0	0	0	0	0	0	4.2	4.2	114.9
MUFFER	1.7	2.5	6.4	13	10	8.7	8.2	8.3	8.0	7.6	7.2	7.3	6.1	6.2	5.9	5.9	5.5	5.6	5.8	5.6	5.2	5.5	5.7	5.6	5.6	5.8	6.2	7.2	6.8	6.2	6.2	200.1
PACIFIC (BORESEN)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2	1.2	1.2	1.4	1.5	1.6	1.7	1.8	1.8	1.8	1.8	1.9	2.0	2.5	3.0	3.0	29.4
TRANSTRUM																																
LOTD	0	0	0	0	0	.6	.6	.5	.5	.4	.4	.5	.5	.5	0	0	0	0	0	0	0	0	.4	.4	.4	.5	.7	1.0	1.0	.9	.8	10.5
PHELPS ESTATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.0	8.1	8.1	8.1	8.0	8.1	8.2	8.4	8.4	8.1	8.0	86.5
DIBBLE IRRIGATION	37	36	39	41	41	43	44	43	42	42	44	41	41	42	40	40	39	38	38	38	37	36	36	36	36	36	36	39	22	14	14	1,157
BEAM-CROCKETT	10	10	9.8	9.4	9.0	9.0	9.0	8.7	8.7	8.4	8.4	24	21	5.0	8.4	8.0	7.3	7.0	29	36	36	30	26	26	26	26	26	26	26	25	25	548.1
BLACK OTTER & PEG LEG	27	26	26	26	26	26	26	27	27	27	27	25	25	26	24	23	22	22	18	14	13	14	14	14	13	13	14	18	25	25	26	681
MONTPELIER-PRESTON	29	29	29	32	34	18	15	13	15	20	20	24	24	25	23	22	32	36	34	26	25	24	27	28	27	26	26	18	13	12	12	738
KENT-LOBOCCO	0	0	0	0	0	0	0	0	0	0	7.5	12	14	14	10	8.4	7.9	5.8	5.9	3.8	4.3	3.0	5.0	4.9	5.3	5.8	6.1	7.2	9.2	9.8	9.6	158.8
FUGHIER																																
WEST FORK	2.8	2.7	2.7	2.7	3.8	4.9	6.0	7.1	8.3	8.3	8.0	4.7	4.8	3.6	2.4	1.2	1.1	1.0	.9	.7	.6	.4	0	4.0	9.4	10	12	13	15	16	16	174.1
TOTAL	107.5	111.0	117.7	126.9	128.7	117.2	115.9	112.8	114.8	119.1	128.1	147.2	146.0	132.2	119.7	116.0	121.7	123.0	139.4	132.0	127.7	122.7	124.0	126.8	132.5	133.0	137.1	139.8	126.9	124.2	122.8	3,898.4
BEAR R. BELOW STEWART DAM	14	15	15	15	15	15	17	18	18	17	16	15	15	15	15	15	16	15	14	14	12	11	6.9	4.1	4.3	4.3	4.1	4.5	5.0	5.7	6.3	377.2
RAINBOW INLET CANAL	53	43	51	53	44	55	63	67	67	58	51	48	44	51	50	43	41	29	26	19	15	16	17	15	13	12	10	11	12	13	13	1,103
TOTAL	67	58	66	68	59	70	80	85	85	75	67	63	59	66	65	58	57	44	40	33	27	27	23.9	19.1	17.3	16.3	14.1	15.5	17.0	18.7	19.3	1,480.2
STEWART DAM TO ALEXANDER																																
JOHNSON																																
BUDGE	0	0	0	0	0	0	0	0	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	0	0	0	0	0	0	0	0	150
TOTAL	0	0	0	0	0	0	0	0	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	0	0	0	0	0	0	0	0	150
ALEXANDER TO ONEIDA																																
LAST CHANCE	91	194	197	210	229	216	189	159	150	149	149	112	140	135	123	124	124	110	110	128	131	123	120	112	113	115	106	116	113	111	109	4,338
BEACH "B"	44	44	42	43	41	40	40	40	40	40	40	.	40	36	40	40	38	42	50	39	40	39	40	41	38	42	40	39	38	40	39	1,246
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
GENTILE VALLEY	61	60	61	63	64	61	60	59	59	59	59	59	61	59	58	58	58	58	59	59	59	59	58	58	59	58	58	57	57	56	55	1,829
TOTAL	196	298	300	316	334	317	289	258	249	248	248	242	241	230	221	222	220	210	209	226	230	221	218	211	210	215	204	212	208	207	203	7,413
ONEIDA TO PRESTON																																
TITUS COBBS PUMP																					Total	for month based on KWH				(from meter reading) and pump rating						10
LOYAL WHITE PUMP																					Total	for month based on KWH				(from meter reading) and pump rating						42
SMITH BOSER	3.2	3.7	4.0	4.2	3.8	3.7	3.0	4.2	3.5	4.0	4.2	4.2	3.8	4.3	4.5	3.8	3.8	3.5	4.0	4.2	4.3	4.2	4.0	3.9	3.8	3.6	4.2	4.6	4.0	3.8	3.2	121.0
SMITH BROTHERS PUMP																					Total	for month based on KWH				(from meter reading) and pump rating						27
RIVERDALE-PRESTON PUMP																					Total	for month based on KWH				(from meter reading) and pump rating						162
NELSON	3.0	4.0	4.5	4.7	3.6	3.9	3.2	4.9	4.0	4.7	4.8	4.8	4.1	4.3	4.4	4.2	4.0	3.9	4.7	4.8	4.9	4.9	4.8	4.5	4.2	3.9	4.7	5.0	4.3	4.1	3.3	133.1
RIVERDALE	12	12	12	13	12	14	14	17	15	16	16	15	15	15	16	14	13	12	13	11	10	10	10	10	10	11	11	11	10	10	10	390
WEST CACHE	128	127	127	126	126	127	123	126	128	129	129	127	140	152	153	148	147	147	148	151	15.	148	146	141	140	136	135	140	137	136	132	4,253
TOTAL	146.2	146.7	147.5	147.9	145.4	148.6	143.2	152.1	150.5	153.7	154.0	151.0	162.9	174.6	177.9	170.0	167.6	166.4	169.7	171.0	171.2	167.1	164.8	159.4	155.0	154.5	154.9	160.6	155.3	153.9	148.5	5,138.1
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

PLATE NO. 74

DAILY DISCHARGE IN C.F.S. OF BEAR RIVER CANALS IN IDAHO

SEPT. 1954	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																																
KILLEN	4.0	3.6	3.3	3.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	2.5	3.0	3.2	3.0	2.4	1.6	1.0	0	0	0	0	0		45.8
SUFFER	6.3	6.5	6.8	6.7	6.2	5.8	5.8	5.5	4.2	2.0	1.0	1.7	5.6	6.0	6.0	4.3	4.2	5.4	5.8	6.4	6.8	7.3	7.7	8.4	8.1	7.5	7.5	7.5	8.1	8.1		179.2
PACIFIC (BORROWS)	3.0	2.9	2.9	2.9	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.0	1.0	0	0	0	0	0	0	0	0	0	0	0	1.7	2.0		25.6
TRANSFERS																																
LOYD	0.8	.9	1.0	.8	.6	.5	.4	.2	0	0	0	0	0	0	0	0	0	0	0	.4	.4	.5	.6	.7	.8	1.0	1.0	1.1	1.1	1.1		13.9
PHELPS ESTATE	8.0	8.1	8.2	7.4	6.3	5.5	5.1	5.1	5.1	5.1	5.1	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.9	4.9	4.9	5.4	6.0	6.5	6.6	6.7	4.6	6.6	6.7	6.7		176.3
DINGLE IRRIGATION	14	14	14	16	13	18	18	18	17	17	17	18	19	19	18	18	18	18	17	17	18	18	18	23	27	27	27	26	26	25		578
BEAR-CROCKETT	25	25	25	26	26	26	26	26	26	25	25	24	24	24	24	22	21	20	20	20	19	19	18	16	10	10	19	23	23	16		653
BLACK OTTER & PEO LEO	24	25	28	27	23	23	20	20	18	21	24	25	26	25	24	25	26	25	26	28	29	29	31	36	37	37	32	30	30	34		806
MONTPELIER-PRESTON	10	10	11	12	9.4	7.2	10	21	16	7.7	6.6	8.8	14	21	21	21	21	21	21	22	18	12	13	14	16	16	16	9.4	2.0	2.0		410.1
MINT-LOBOCCO	10	11	12	12	12	12	13	8.1	8.4	12	12	12	11	5.8	4.5	3.4	2.6	2.0	1.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		176.2
FUDGING																																
WEST FORK	16	16	16	16	16	16	16	15	13	12	11	10	8.7	7.8	6.5	5.3	4.2	3.0	1.7	.3	..	4.0	10	11	11	12	12	14	18	23		325.8
TOTAL	121.1	123.0	128.2	128.9	119.8	114.3	116.6	121.2	110.0	104.1	104.0	106.7	115.5	115.8	111.2	106.1	103.9	100.3	100.3	103.0	10	99.2	107.7	118.2	118.5	118.2	122.1	118.6	115.9	116.9		3,389.9
BEAR R. [illegible] STEWART DAM	6.0	6.0	6.0	6.3	6.9	6.6	6.6	6.6	6.0	6.3	6.6	6.6	6.6	6.0	6.0	6.0	5.7	5.7	5.7	5.7	[illegible]	5.4	6.0	6.6	6.6	6.9	7.2	7.2	7.0	8.2		191.5
RAINBOW INLET CANAL	13	14	15	16	15	14	13	12	12	11	13	12	12	12	11	11	11	11	11	11	12	12	12	12	12	12	12	12	12	13		369
TOTAL	19.0	20.0	21.0	22.3	21.9	20.6	19.6	18.6	18.0	17.3	17.6	18.6	18.6	18.0	17.0	17.0	16.7	16.7	16.7	16.7	17.7	17.4	18.0	18.6	18.6	18.9	19.2	19.2	19.0	21.2		560.5
STEWART DAM TO ALEXANDER																																
JOHNSON																																
PUDGE	0	0	0	0	0	0	0	0	0	0	0	0	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		180
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		180
ALEXANDER TO ONEIDA																																
LAST CHANCE	119	115	108	100	99	98	100	101	102	104	104	100	99	93	89	89	90	90	87	96	99	98	92	86	93	88	82	77	77	78		2,866
HENCH "B"	38	37	39	38	39	37	38	39	38	37	40	37	37	42	42	40	42	42	42	34	17	16	16	15	15	15	16	15	14	15		932
TANNER "C"	0	0	0	0	0	0	0	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	56	57	58	57	58	57	59	59	58	57	58	59	57	57	57	58	45	32	31	31	31	34	34	33	32	32	32	32	31	6		1,358
TOTAL	203	209	205	195	196	192	197	199	204	198	202	196	193	192	188	187	177	164	160	161	147	148	149	144	140	135	130	124	122	99		5,156
ONEIDA TO PRESTON																																
TITUS COOMBS PUMP																					Total for month based on KWH from meter reading) and pump rating											0
LOYAL WHITE PUMP																					Total for month based on KWH from meter reading) and pump rating											7
SMITH HOSES	4.3	3.5	4.5	4.0	3.5	4.0	3.2	3.2	3.0	1.8	3.2	3.2	3.2	2.7	3.2	3.4	2.7	1.9	2.4	3.1	2.8	2.8	2.0	1.6	2.1	3.2	1.8	1.9	1.7	2.0		85.9
SMITH BROTHERS PUMP																					Total for month based on KWH from meter reading) and pump rating											12
RIVERDALE-PRESTON PUMP																					Total for month based on KWH from meter reading) and pump rating											156
WELSON	4.7	3.9	4.9	4.8	3.7	4.8	4.0	3.2	2.7	1.7	3.5	4.0	4.1	2.6	3.2	3.0	2.6	1.5	2.2	3.7	2.5	2.5	2.0	1.4	1.5	3.3	1.5	1.6	1.2	2.2		88.8
RIVERDALE	11	13	15	12	9.5	13	12	8.2	8.6	7.7	8.2	9.0	9.0	8.6	8.6	8.6	8.0	7.0	7.0	7.2	5.2	3.6	2.9	2.4	2.0	2.0	3.0	9.1	8.8	8.4		238.6
WEST CACHE	137	137	141	135	120	123	124	121	110	99	100	99	101		88	82	73	71	71	74	84	83	82	82	82	82	80	78	76	76		2,902
TOTAL	157.0	157.4	165.4	155.8	136.7	144.8	143.2	135.6	124.3	110.2	114.9	115.2	117.3	104.9	103.0	97.0	86.3	81.4	82.6	88.0	94.5	91.9	88.9	87.4	87.9	90.5	86.3	90.6	87.7	88.6		3,490.3
PRESTON TO IDAHO-UTAH ST. LINE																																
CUB RIVER PUMPS	75	75	75	75	75	57	50	69	75	75	75	75	58	50	50	50	50	50	67	75	75	75	32	25	25	41	19	0	0	0		1,593

PLATE NO. 75



GPO 837414

PLATE NO. 76