

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

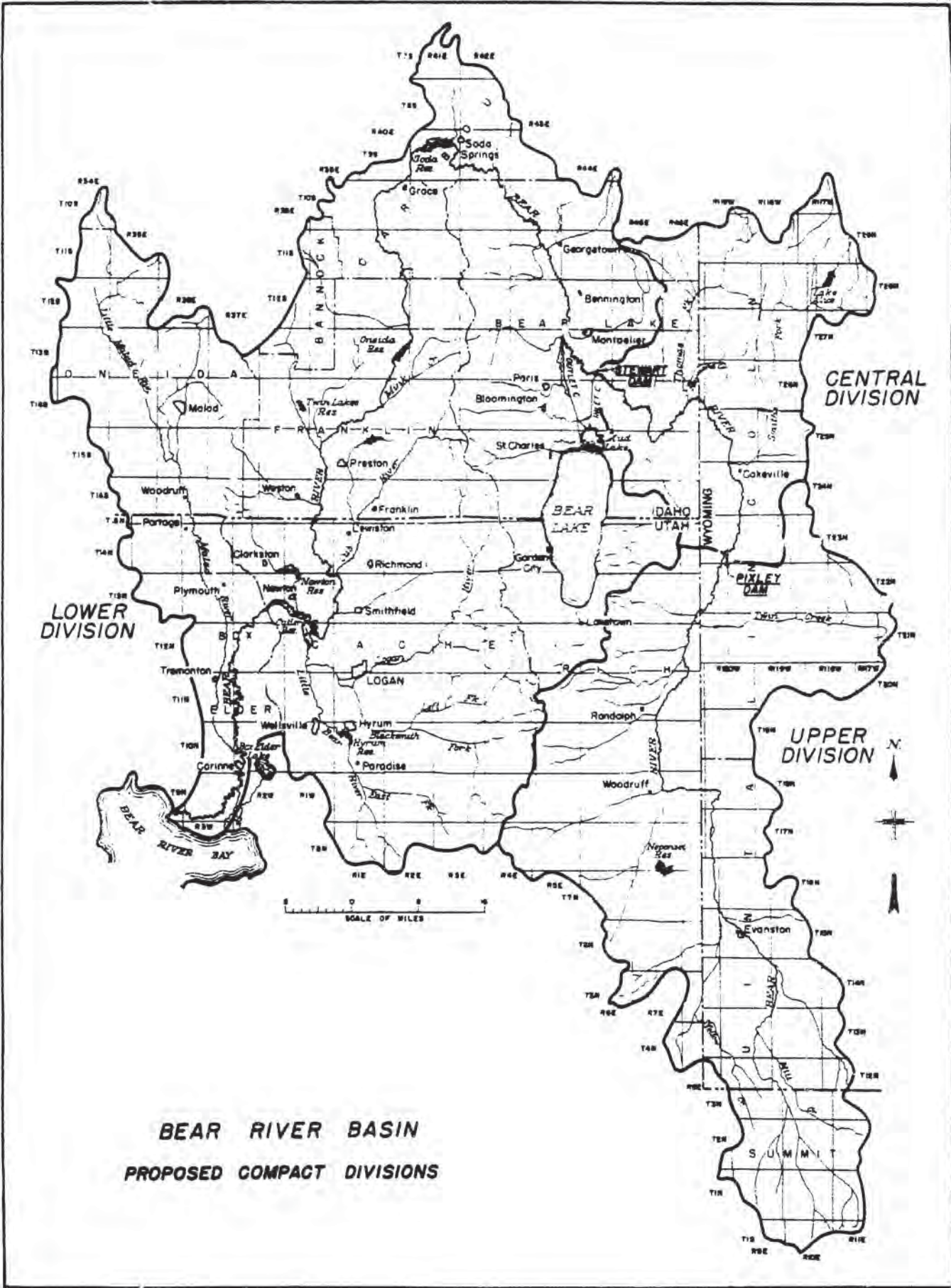
GEOLOGICAL SURVEY  
Thomas B. Nolan, Director

BEAR RIVER HYDROMETRIC DATA  
TRI-STATE INVESTIGATIONS  
1956

Prepared in cooperation with  
the States of  
IDAHO, UTAH AND WYOMING

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

58-44  
Open file release  
Not reviewed for conformance  
with editorial standards of the  
Geological Survey



**BEAR RIVER BASIN  
PROPOSED COMPACT DIVISIONS**

## CONTENTS

<u>Title</u>	<u>Page</u>	<u>Plate</u>
Introduction . . . . .	1	
Location and Area . . . . .	1	
History of Investigation . . . . .	1	
Acknowledgment . . . . .	3	
Annual Trends of Water Supply . . . . .	3	
Annual runoff Bear River near Evanston, Wyoming . . . . .	5	1
Annual runoff Bear River at Harer, Idaho . . . . .	6	2
Annual runoff Bear River near Collinston, Utah . . . . .		3
Presentation of Data . . . . .	7	
Summary - Monthly and Period Diversions by Sections . . . . .	8	
Miscellaneous Discharge Measurements . . . . .	9, 10	
Regular Gaging Stations (main stem and tributaries in downstream order)		
Bear River:		
Bear River near Utah-Wyoming State line . . . . .	4	
Mill Creek at Utah-Wyoming State line . . . . .	5	
Bear River above Sulphur Creek near Evanston, Wyoming . . . . .	6	
Sulphur Creek near Evanston, Wyoming . . . . .	7	
Yellow Creek near Evanston, Wyoming . . . . .	8	
Bear River near Evanston, Wyoming . . . . .	9	
Chapman Canal at State line near Evanston, Wyoming . . . . .	10	
Bear River near Woodruff, Utah . . . . .	11	
Woodruff Creek near Woodruff, Utah . . . . .	12	
Birch Creek near Woodruff, Utah . . . . .	13	



CONTENTS

Regular Gaging Stations - - - (Continued)	<u>Plate</u>
Bear River: (Continued)	
Big Creek near Randolph, Utah . . . . .	14
Randolph Creek near Randolph, Utah . . . . .	15
Combined flow of Otter Creek, South Branch and Middle Branch Otter Creek above diversions, near Randolph, Utah . . . . .	16
Bear River near Randolph, Utah . . . . .	17
Twin Creek at Sage, Wyoming . . . . .	18
Bear River below Pixley Dam near Cokeville, Wyoming . . . . .	19
Smiths Fork near Border, Wyoming . . . . .	20
Bear River below Smiths Fork near Cokeville, Wyoming . . . . .	21
Bear River at Border, Wyoming . . . . .	22
Thomas Fork near Wyoming-Idaho State line . . . . .	23
Bear River at Harer, Idaho . . . . .	24
Dingle inlet canal near Dingle, Idaho . . . . .	25
Rainbow inlet canal near Dingle, Idaho . . . . .	26
Bear River below Stewart Dam near Montpelier, Idaho . . . . .	27
Montpelier Creek at irrigators weir, near Montpelier, Idaho . . . . .	28
Bear Lake at Lifton, near St. Charles, Idaho . . . . .	29
Bear Lake outlet canal near Paris, Idaho . . . . .	30
Georgetown Creek near Georgetown, Idaho . . . . .	31
Bear River at Soda Springs, Idaho . . . . .	32
Soda Reservoir near Alexander, Idaho . . . . .	33
Bear River at Alexander, Idaho . . . . .	34
Bear River below Grace Dam near Grace, Idaho . . . . .	35

## C O N T E N T S

Regular Gaging Stations - - - (Continued)	<u>Plate</u>
Bear River: (Continued)	
Cottonwood Creek near Cleveland, Idaho . . . . .	36
Oneida Reservoir at Oneida, Idaho . . . . .	37
Bear River below U. P. & L. Co.'s tailrace at Oneida, Idaho . . . . .	38
Mink Creek below Dry Fork near Mink Creek, Idaho . . . . .	39
Bear River near Preston, Idaho . . . . .	40
Cub River near Preston, Idaho . . . . .	41
Little Bear River near Paradise, Utah . . . . .	42
Hyrum Reservoir near Hyrum, Utah . . . . .	43
Little Bear River near Hyrum, Utah . . . . .	44
Logan River:	
Utah Power & Light Co.'s tailrace near Logan, Utah . . . . .	45
Logan, Hyde Park & Smithfield Canal near Logan, Utah . . . . .	46
Logan River above State dam near Logan, Utah . . . . .	47
Logan River above State dam, Utah Power & Light Co.'s tailrace, and Logan, Hyde Park & Smithfield Canal near Logan, Utah . . . . .	48
Blacksmith Fork above U. P. & L. Co.'s dam near Hyrum, Utah . . . . .	49
Hammond (East Side) Canal near Collinston, Utah . . . . .	50
Westside Canal near Collinston, Utah . . . . .	51
Bear River near Collinston, Utah . . . . .	52
Bear River near Corinne, Utah . . . . .	53
Daily Diversion Records	
Upper Division	
Bear River Canals above Myers Narrows . . . . .	54-56

C O N T E N T S

	<u>Plate</u>
Daily Diversion Records - - - (Continued)	
Upper Division: (Continued)	
Bear River Canals between Myers Marrows and State line near Woodruff . . . . .	57-61
Bear River Canals between State line near Woodruff and Pixley Dam . . . . .	62-64
Central Division	
Smiths Fork and Bear River Canals (Wyoming Section) . . . . .	65-69
Bear River Canals in Idaho (Central and Lower Division) . . . . .	70-74



# INTRODUCTION

1

## 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 re-enters 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, re-enters Utah and finally empties into Great Salt Lake. In this circuitous course of more than 300 miles through the States of Idaho, Utah, and Wyoming, Bear River crosses State lines five times.

## History of the Investigation

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

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

In 1944 and 1945, records were collected on all canals diverting from the main stem of Bear River and its tributaries. In 1946 and 1947, records were collected only on canals diverting from the main stem and Smiths Fork, a principal tributary. In 1948, records were collected only on the canals crossing the State line above Evanston, on canals diverting from the main stem of the river below the Bear River gaging station near Randolph, Utah, and on canals diverting from Smiths Fork. Patterns of streamflow and diversions were sufficiently defined at the end of 1948 water year to conclude the collection of most diversion records. Only those diversions that were related to either supply or special interstate problems were continued through 1952. Compact studies became more intensified in 1948. It was subsequently concluded that records of diversion from the main stem of Bear River and supply records on the westside tributaries in the Woodruff-Randolph area were required for determination of gain and related studies in this reach of the river. Standard gaging stations were installed on canals and creeks in September 1949 to meet the 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. 1949 to 1952 reports contain streamflow records only and are therefore in much less detail than those for 1944-48, 1953-56.

It had been felt for several years that diversion records above Bear Lake during a dry season would be particularly desirable for determining the extent of benefit from interstate regulation, as influenced by time and magnitude of diversions. 1953 and 1954 seasonal records were collected on this



basis. These records furnished valuable information for subsequent studies which were required to complete final compact negotiations.

The Bear River Compact which was approved in February 1955 by Commissioners representing Idaho, Utah and Wyoming has been ratified by the Legislature of each state. Congressional approval is assured early in 1958. Records of diversion for 1955 and 1956 were requested by the Compact Commissioners from each state on an interim basis. This is the concluding report of the investigation.

#### Acknowledgment

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

#### Annual Trends of Water Supply

Graphs of annual runoff at gaging stations for Bear River near Evanston, Wyoming, Bear River near Harer, Idaho, and Bear River near Collinston, Utah, are shown on plates 1, 2 and 3. The Collinston record is more than 60 years in length and the former two more than 30 years, making them a good index of runoff. Each station is affected by upstream diversions. The greatest effect is at the Collinston station, particularly since the lower river is completely regulated at and below Bear Lake. Because of upstream diversions, no flow occurs at the Evanston station at times during years of low supply.

Most of the present irrigation development in the basin took place in the years prior to 1924, years of abnormally high runoff as shown by the Collinston record. The Compact Commission agreed that the 25 year period,

(1924-48), would be representative for use in Compact studies of future supplies and supplemental storage requirements.

Tables on pages 5 and 6 show monthly and annual runoff for the Evanston and Harer gaging stations, with averages computed for the 33-year period, Oct. 1, 1923 to Sept. 30, 1956.



Monthly and Annual Runoff, in acre-feet, of Bear River near Evanston, Wyoming

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	0	166,000
1932-33	1,730	2,790	1,710	1,540	1,940	7,810	13,000	26,700	53,400	1,240	198	5	112,000
1933-34	298	627	2,150	1,540	3,610	5,620	10,730	11,560	238	0	399	13	36,780
1934-35	188	383	984	2,150	3,330	5,030	10,850	21,890	58,930	3,080	321	269	107,400
1935-36	205	547	1,380	1,730	2,070	3,230	34,230	80,870	32,110	9,520	6,000	2,400	174,300
1936-37	2,420	4,220	2,810	1,970	1,470	5,120	37,610	63,450	21,430	10,180	388	483	151,600
1937-38	1,630	1,720	1,850	2,180	2,770	8,890	31,300	53,960	48,090	5,140	940	1,510	160,000
1938-39	3,000	3,410	3,160	3,370	2,950	17,120	19,840	34,690	15,530	2,120	95	414	105,700
1939-40	1,220	1,010	1,180	1,180	2,540	5,970	10,340	42,200	7,810	86	0	789	74,320
1940-41	3,050	2,860	2,000	1,750	2,150	7,590	8,850	42,130	50,880	6,720	2,810	1,460	132,200
1941-42	4,810	4,740	4,320	3,470	3,610	7,310	35,400	44,010	46,220	2,470	57	31	156,400
1942-43	569	1,200	2,180	2,470	3,170	7,820	35,200	44,160	42,070	7,610	1,390	166	148,000
1943-44	2,150	3,160	2,330	2,460	2,480	4,540	27,390	60,730	62,380	12,740	92	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	1,570	191,800
1947-48	2,940	4,980	5,250	4,500	4,170	7,060	39,570	63,110	29,160	587	74	15	161,400
1948-49	673	1,450	3,560	3,530	3,050	4,360	30,000	50,250	49,170	8,340	478	342	255,200
1949-50	2,870	3,480	3,360	3,160	3,600	6,150	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
1954-55	320	1,370	2,680	2,660	2,400	2,770	13,800	34,890	24,640	363	349	68	86,310
1955-56	609	2,690	7,770	6,290	5,120	4,270	16,210	63,480	42,000	1,710	122	13	160,300
Average	2,590	2,530	2,560	2,420	2,560	7,660	24,590	48,940	40,720	5,960	1,950	1,250	149,400

\* Aggregate winter estimates made to get annual totals.



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

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	21,300	17,100	16,400	14,000	44,100	47,000	128,000	70,800	25,600	12,900	10,700	425,000
1928-29	12,200	13,600	10,600	10,900	9,830	20,000	61,900	94,100	39,300	32,800	18,100	21,800	395,000
1929-30	22,600	18,900	17,200	9,840	11,900	31,900	51,500	44,600	43,800	19,900	22,300	17,400	312,000
1930-31	19,300	14,100	11,600	11,000	10,700	15,900	17,800	11,800	6,190	5,080	5,720	4,420	134,000
1931-32	6,580	7,020	6,460	6,820	6,960	11,600	32,800	81,800	86,900	41,400	15,600	14,200	318,000
1932-33	14,000	11,440	7,690	9,960	8,500	14,600	22,500	34,300	60,100	18,900	9,650	8,690	220,000
1933-34	10,440	9,720	8,300	8,990	10,390	11,120	5,910	2,810	2,860	2,390	2,220	2,800	77,950
1934-35	4,600	6,590	6,180	5,620	6,250	9,250	15,970	22,980	52,260	15,330	7,070	4,900	157,000
1935-36	7,910	9,930	8,420	6,540	6,390	11,450	60,190	164,100	74,760	25,490	19,530	12,170	406,900
1936-37	14,430	14,520	10,770	9,620	9,010	18,720	76,450	94,390	39,360	27,330	11,990	7,790	334,400
1937-38	10,970	12,810	12,390	11,240	10,750	26,950	65,600	104,900	70,020	27,670	11,940	15,430	380,700
1938-39	17,410	15,970	14,550	12,750	10,450	50,590	51,270	50,620	21,500	11,030	7,330	6,820	270,300
1939-40	11,660	10,560	10,230	9,770	9,890	11,440	9,390	7,900	8,990	5,850	3,620	3,710	103,000
1940-41	8,750	8,270	8,040	7,770	7,930	20,470	16,220	25,880	54,080	22,490	12,600	10,070	202,600
1941-42	12,780	16,510	14,040	10,810	10,070	16,700	81,570	42,540	41,060	13,390	7,500	5,780	272,800
1942-43	8,660	9,810	7,830	7,460	8,410	32,290	90,210	92,500	68,290	34,550	17,800	12,110	389,900
1943-44	13,750	13,890	10,740	10,060	11,100	14,900	78,770	69,770	80,430	30,460	11,350	7,800	353,000
1944-45	11,230	11,150	8,180	8,990	9,530	21,000	25,900	42,030	66,090	36,810	22,490	17,620	281,000
1945-46	14,510	17,880	14,890	14,940	11,480	46,950	111,100	109,000	45,530	19,110	13,560	13,170	432,100
1946-47	14,670	14,500	16,260	11,150	14,190	55,780	45,710	97,280	103,600	40,780	21,400	16,200	451,500
1947-48	16,620	18,250	16,100	13,660	12,520	19,500	68,690	110,200	67,800	21,160	11,220	9,010	384,700
1948-49	12,740	12,450	10,430	10,130	9,630	20,770	49,830	68,540	69,380	28,990	12,670	7,930	313,500
1949-50	16,360	16,700	13,910	14,280	15,060	42,190	93,070	154,300	176,900	59,350	23,300	16,450	641,900
1950-51	20,980	22,240	20,480	15,530	21,010	34,680	112,000	124,600	101,000	38,080	25,240	17,820	553,700
1951-52	22,470	19,560	16,750	17,470	17,370	19,160	76,030	225,300	109,000	42,040	19,500	15,230	599,900
1952-53	16,110	15,680	14,830	17,340	16,790	24,820	31,860	26,800	74,930	26,770	15,350	8,040	289,300
1953-54	9,520	12,910	11,890	12,130	13,120	22,110	28,290	32,260	17,610	12,260	7,950	5,730	185,800
1954-55	8,690	9,990	9,440	8,620	8,180	9,930	26,550	24,500	31,420	14,160	10,450	7,350	169,300
1955-56	10,290	10,370	15,000	19,000	12,420	49,230	78,310	106,000	93,650	22,610	12,450	8,000	437,300
Average	14,510	14,280	12,330	11,530	11,520	25,940	54,770	75,420	61,380	24,900	13,380	10,900	330,900



### Presentation of Data

This presentation includes only data on streams, reservoirs, and canals for the water year ending Sept. 30, 1956. The Hydrometric Data reports for 1944 to 1956 and Water Supply Paper 980 (1943) contain all data collected during the period of the investigation. Descriptions giving location of gaging stations and other pertinent facts appear in reports for 1946-49 only. Location of gaging stations on canals is not given except in a few cases. The 1955 report contains a complete index of all gaging stations operated in Bear River basin as of September 30, 1955.

Discussion of flow characteristics and graphs by river sections are not included in this report. However, page 8 shows a summary of monthly diversions in acre-feet grouped by Compact Sections. Utah canals diverting at Cutler Dam were included to completely summarize all main stem diversions.

Monthly Diversions in Acre-feet  
Bear River and Smiths Fork Canals

	Month					Total (May- Sept.)	Ac-Ft per Acre
	May	June	July	Aug.	Sept.		
<b>UPPER DIVISION</b>							
Upper Ut. (Hovarka C.)	0	420	340	210	30	1,000	2.09
<b>Upper Wyoming</b>							
To Hilliard Flat	* 340	6,890	5,160	1,880	780	15,050	
St. line to Myers N.	1,770	8,120	4,340	1,780	950	16,960	
Myers Narrows to St. Line near Woodruff	*24,800	37,420	8,690	1,350	390	72,650	
Total	26,910	52,430	18,190	5,010	2,120	104,660	2.47
Lower Utah (Woodruff- Randolph)	51,460	39,560	4,380	1,850	2,130	99,380	2.70
Lower Wyoming (B. C. Dam to Pixley Dam)	18,100	13,880	560	0	340	32,880	3.97
<b>CENTRAL DIVISION</b>							
<b>Wyoming (Pixley Dam to Border)</b>							
Bear River Canals	4,480	14,300	8,990	1,860	2,360	31,990	
Smiths Fork Canals	12,620	23,590	18,170	14,250	9,750	78,380	
Total	17,100	37,890	27,160	16,110	12,110	110,370	6.27
Idaho (Border to Stewart Dam)	17,780	29,650	15,150	7,980	8,080	78,640	3.38
<b>LOWER DIVISION</b>							
<b>Idaho</b>							
Stewart Dam to Alex.	0	890	690	410	100	2,090	
Alexander to Oneida	18,360	33,520	28,220	21,780	13,010	114,890	
Oneida to Preston	6,900	10,650	11,580	10,150	7,620	46,900	
Preston to Idaho- Utah State Line (Cub River Pumps)	0	980	4,510	4,400	3,030	12,920	
Total	25,260	46,040	45,000	36,740	23,760	176,800	
<b>Utah**</b>							
West Side Canal	27,390	40,890	40,640	40,680	31,790	181,390	
Hammond (E. Side) C.	5,650	9,210	9,980	9,580	6,590	41,010	
Total	33,040	50,100	50,620	50,260	38,380	222,400	

\*Partially estimated for May.

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



MISCELLANEOUS DISCHARGE MEASUREMENTS

Miscellaneous discharge measurements were made in Bear River Basin during the water year October 1955 to September 1956 as follows:

## MAIN STEM, TRIBUTARIES AND CANALS IN DOWNSTREAM ORDER

Stream	Tributary to or Diverting from	Locality	Drainage Area (sq mi)	Date	Discharge (cfs)
Otter Creek	Bear River	NE $\frac{1}{4}$ sec. 3, T. 11 N., R. 6 E., above diversions, 3 miles upstream from South Branch Otter Creek, and 5 $\frac{1}{4}$ miles northwest of Randolph, Utah.	17.1	Oct. 26	3.47
do	do	do		Dec. 1	3.69
do	do	do		Dec. 22	10.9
do	do	do		Jan. 16	4.12
do	do	do		Mar. 6	3.29
do	do	do		Mar. 29	5.62
do	do	do		Apr. 18	3.79
do	do	do		May 11	4.22
do	do	do		June 2	3.74
do	do	do		June 27	4.17
do	do	do		July 18	4.00
do	do	do		Aug. 8	3.62
do	do	do		Sept. 7	3.82
do	do	do		Sept. 30	3.78
South Branch Otter Creek	Otter Creek	SW $\frac{1}{4}$ sec. 10, T. 11 N., R. 6 E., above diversions, 1-3/4 miles upstream from Middle Branch Otter Creek, and 4 $\frac{1}{2}$ miles northwest of Randolph, Utah.	5.0	Oct. 26	4.38
do	do	do		Dec. 1	4.33
do	do	do		Dec. 22	7.13
do	do	do		Jan. 16	5.05
do	do	do		Mar. 6	3.74
do	do	do		Mar. 29	4.98
do	do	do		Apr. 18	4.82
do	do	do		May 11	4.83
do	do	do		June 2	4.67
do	do	do		June 27	4.10
do	do	do		July 18	4.03
do	do	do		Aug. 8	4.00
do	do	do		Sept. 7	4.23
do	do	do		Sept. 30	4.30

MISCELLANEOUS DISCHARGE MEASUREMENTS (Cont'd)

MAIN STEM, TRIBUTARIES AND CANALS IN DOWNSTREAM ORDER

Stream	Tributary to or Diverting from	Locality	Drainage Area (sq mi)	Date	Discharge (cfs)
Middle Branch Otter Creek	South Branch Otter Creek	SW $\frac{1}{4}$ sec. 3, T. 11 N., R. 6 E., above diver- sions, 1 $\frac{1}{2}$ miles up- stream from mouth, and 5 miles northwest of Randolph, Utah.	3.5	Oct. 26	4.27
do	do	do		Dec. 1	4.79
do	do	do		Dec. 22	8.84
do	do	do		Jan. 16	4.78
do	do	do		Mar. 6	4.37
do	do	do		Mar. 29	6.44
do	do	do		Apr. 18	5.79
do	do	do		May 11	5.72
do	do	do		June 2	4.94
do	do	do		June 27	4.70
do	do	do		July 18	4.66
do	do	do		Aug. 8	4.85
do	do	do		Sept. 7	4.60
do	do	do		Sept. 30	4.56
Logan River	Little Bear River	SW $\frac{1}{4}$ sec. 36, T. 12 N., R. 1 E., 100 ft up- stream from Logan Northern Canal, 300 ft below State dam and 2 $\frac{1}{2}$ miles east of Logan.	219	June 27	324
do	do	do		Aug. 4	187



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

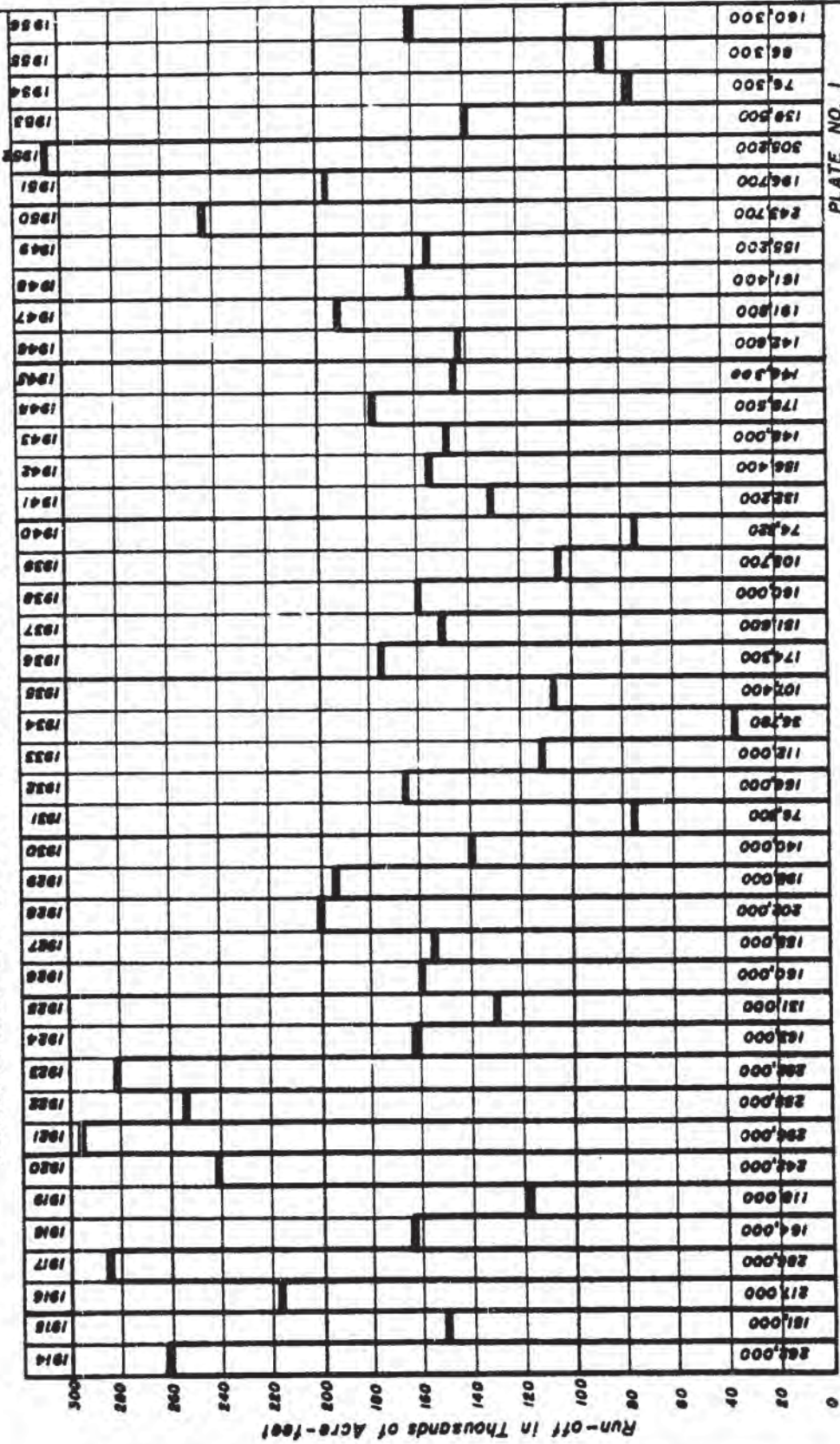


PLATE NO. 1

ANNUAL RUN-OFF OF BEAR RIVER AT HARER, IDAHO

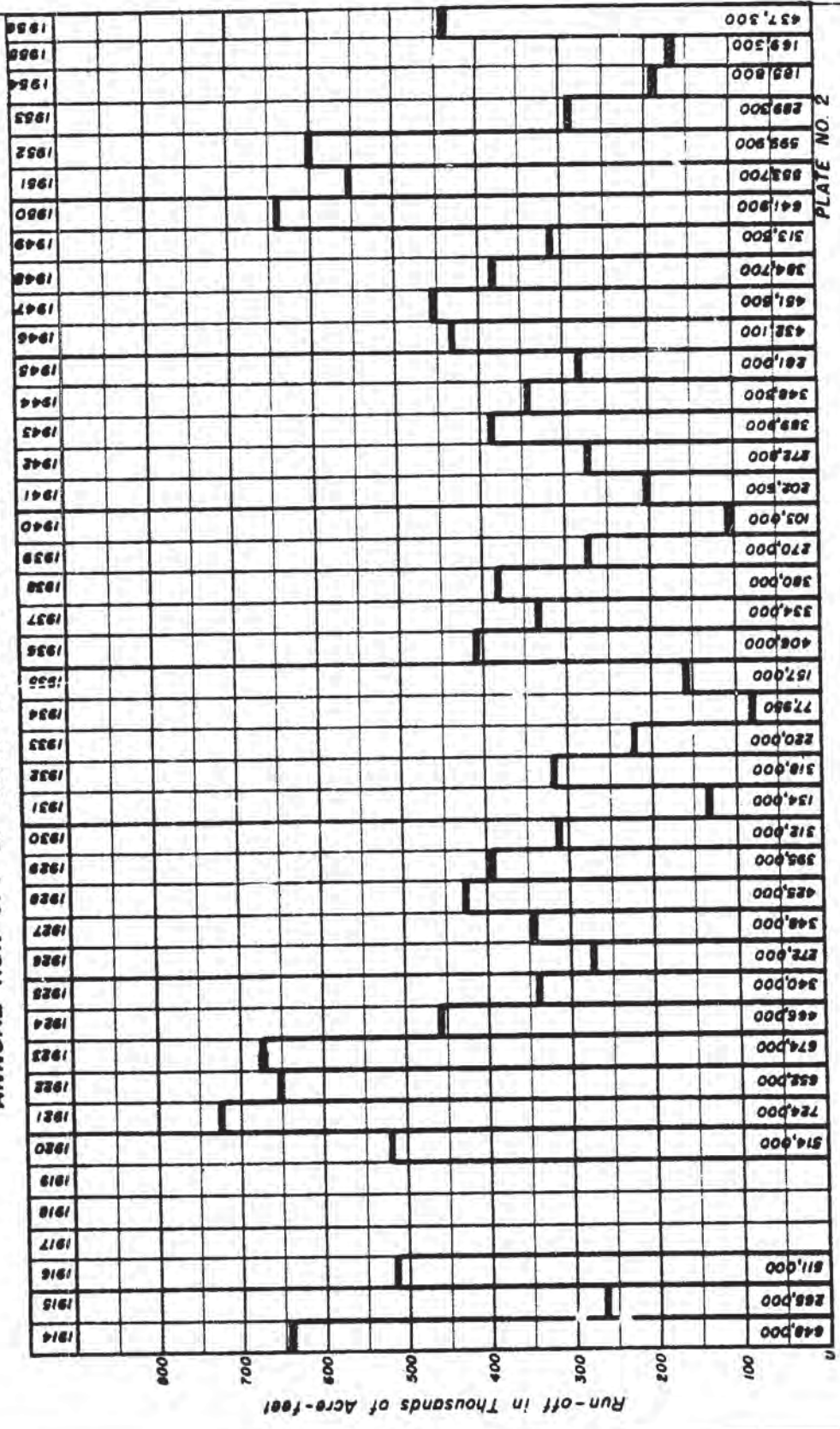
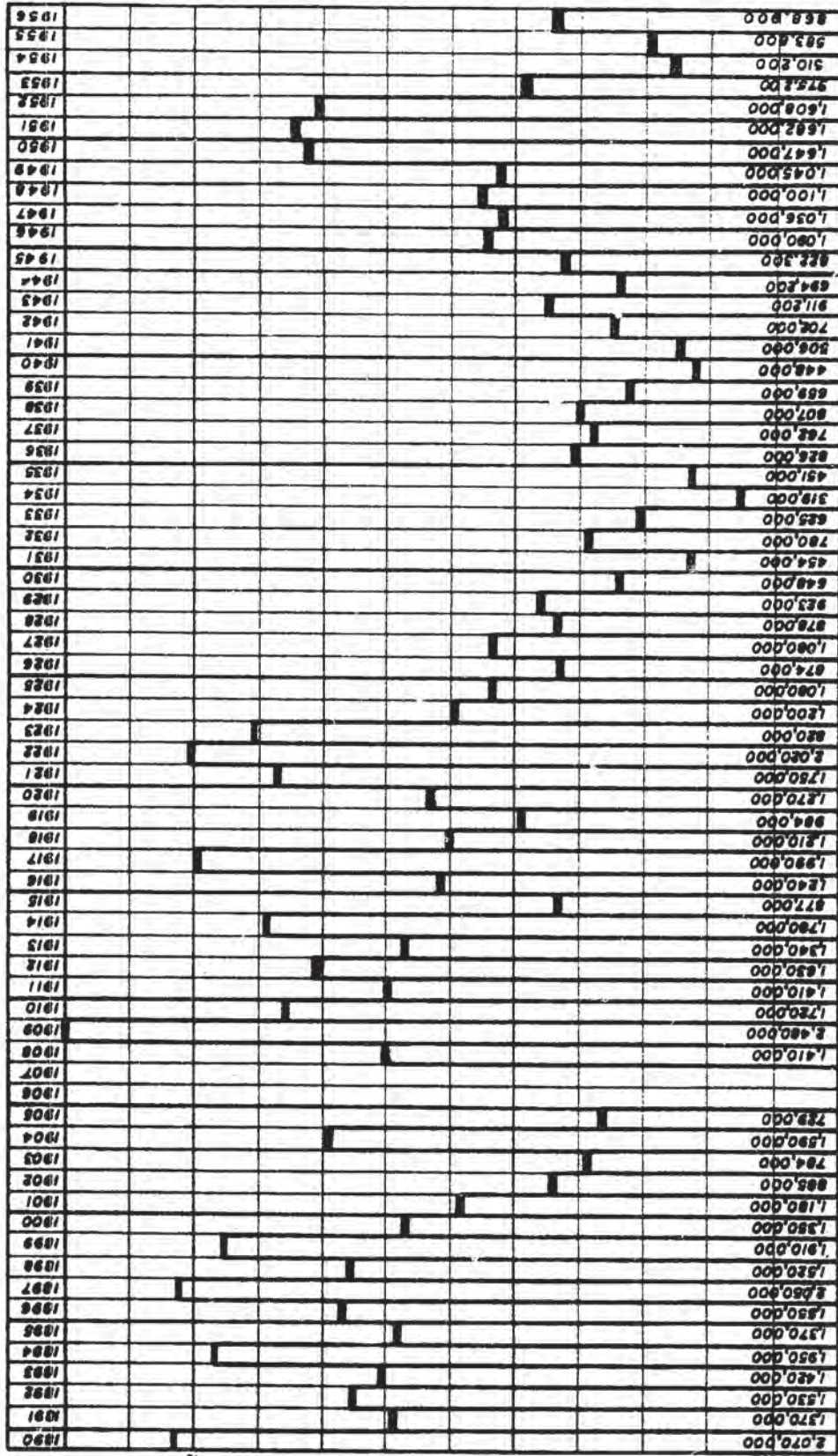


PLATE NO. 2



**ANNUAL RUN-OFF OF BEAR RIVER NEAR COLLINSTON, UTAH**  
 (Not Adjusted for Bear Lake Storage and Release)



Run-off in Millions of Acre-feet



for the year ending September 30, 19 56

**Bear River near Utah-Wyoming State line**

Daily discharge, in second-feet, of

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	34	25	35	34	28	35	54	194	1,630	367	87	27
2	33	30	35	32	28	35	50	208	1,580	334	69	26
3	32	35	34	35	28	35	51	284	1,420	280	71	25
4	32	40	32	37	28	35	51	392	1,370	256	58	25
5	33	39	28	39	28	34	50	466	1,320	234	52	24
6	31	34	28	39	28	33	46	492	1,230	219	50	24
7	33	35	30	37	30	33	50	628	1,150	205	46	23
8	33	37	32	37	30	37	51	703	1,180	198	45	24
9	31	37	34	34	30	34	52	710	1,180	191	44	25
10	31	37	35	35	30	34	58	651	1,160	184	42	24
11	33	37	35	35	30	34	69	519	1,170	178	40	24
12	33	35	35	35	30	32	69	422	1,110	171	42	23
13	31	35	34	34	30	31	69	357	1,040	165	42	23
14	29	30	34	35	30	35	69	330	975	155	44	21
15	28	22	34	35	30	35	69	352	935	143	48	21
16	28	25	33	37	30	34	87	472	710	135	42	21
17	27	30	33	37	30	33	94	718	562	123	42	21
18	27	35	33	38	30	34	91	959	519	110	40	20
19	27	40	34	37	30	34	84	1,130	562	101	54	21
20	35	41	34	35	30	33	110	1,360	562	94	54	24
21	40	42	35	37	30	37	146	1,290	486	87	42	25
22	38	38	35	37	30	34	188	1,400	459	91	39	25
23	38	35	52	35	30	35	208	1,570	466	87	35	25
24	33	32	91	35	30	42	219	1,420	466	80	35	25
25	33	32	73	37	30	49	219	1,450	453	80	34	25
26	33	35	58	35	30	51	252	1,510	422	78	33	25
27	33	37	52	34	30	51	280	1,330	416	73	33	25
28	28	35	48	32	30	58	256	1,280	392	80	33	26
29	32	35	45	30	30	54	208	1,160	372	91	32	25
30	40	34	40	28	28	52	181	1,270	372	89	31	25
31	42	42	36	28	28	54	3,481	1,510	25,669	89	27	25
	1,011	1,034	1,227	1,085	925	1,196	26,537	4,768	1,386	717		

MEAN	32.6	33.4	39.6	35.0	31.9	38.6	116	856	856	154	44.7	23.9
ACAP-	2,010	2	2,430	2,150	1,830	2,370	6,900	52,640	50,910	9,460	2,750	1,620
YEAR							3,481	26,537	25,669	4,768	1,386	717
MEAN							116	856	856	154	44.7	23.9
ACAP- FEET	2,010	2	2,430	2,150	1,830	2,370	6,900	52,640	50,910	9,460	2,750	1,620

Plate No. 4

YEAR MEAN 189  
ACAP-FEET 136,900



for the year ending September 30, 1956

Daily discharge, in second-feet, of Mill Creek at Htahkaywing State line

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.6	4.8	9.2	7.5			19	63	236	16	10	4.7
2	5.6	5.9	9.6	7.0	6.0		14	67	223	21	8.4	4.5
3	5.3	7.1	9.5	7.5		8.0	16	85	206	17	9.2	4.5
4	5.3	7.4	8.5	8.0			14	117	194	15	7.4	4.5
5	5.6	7.1	8.0	8.5			13	135	185	14	6.5	4.5
6	5.6	5.9	8.0	8.8			12	126	145	12	6.2	4.5
7	5.6	6.5	8.5	8.4	7.0		12	160	128	12	6.5	4.8
8	5.9	5.9	9.0	8.4			15	185	126	11	6.5	4.5
9	5.6	8.4	9.5	7.7			16	173	115	11	6.2	4.5
10	5.6	8.0	10	8.0			20	137	107	10	5.9	4.5
11	6.2	8.0	10	7.4			28	106	98	10	5.9	4.5
12	6.2	7.5	10	7.7		7.5	30	111	89	10	5.9	4.5
13	5.9	7.0	9.2	7.7			27	85	73	11	6.2	4.4
14	5.9	7.0	9.0	8.8			27	72	62	9.6	7.4	4.0
15	5.6	6.0	9.0	8.4			27	77	62	9.2	9.2	4.2
16	5.6	6.5	9.0	9.6			47	125	59	7.7	7.1	4.2
17	5.6	7.0	9.2	9.2	8.0		50	181	50	7.4	7.1	4.2
18	5.6	8.0	9.2	8.8			40	211	45	7.1	6.5	4.4
19	5.9	9.0	9.2	8.8			38	229	38	6.5	8.4	4.4
20	8.8	9.0	8.4	8.8			54	244	34	6.2	8.8	4.4
21	10	9.0	7.7	8.8		8.0	77	238	31	6.2	7.1	4.5
22	9.6	8.5	8.4	8.4		8.0	90	292	29	7.1	6.5	4.7
23	9.6	8.0	14	8.4	10		92	360	27	7.4	6.2	4.8
24	8.0	8.0	24	8.0	14		92	257	25	7.1	5.9	4.8
25	7.1	8.5	22	7.5	22		83	257	24	7.4	5.3	4.8
26	7.4	9.5	15	8.0	20		96	337	23	7.7	5.0	4.8
27	7.7	10	13	8.5	19		100	221	21	7.7	5.6	5.0
28	6.2	9.6	11	8.0	22		81	202	20	10	5.0	5.0
29	6.5	8.8	9.2	7.5	18		60	183	18	11	5.0	4.8
30	7.1	8.8	8.8	7.0	16		48	186	16	11	5.0	5.0
31	7.4	8.0	8.0	7.0	19			213		9.6	4.8	
<b>Total</b>	<b>203.6</b>	<b>230.7</b>	<b>323.1</b>	<b>252.1</b>	<b>217</b>	<b>328.5</b>	<b>1,338</b>	<b>5,435</b>	<b>2,503</b>	<b>315.9</b>	<b>206.7</b>	<b>137.2</b>

Year	Mean	Max	Min
1955	6.57	7.69	10.4
1956	6.04	6.58	6.1
<b>Total</b>	<b>12.61</b>	<b>14.27</b>	<b>16.5</b>

Plate No. 5

Year 1955 Mean 31.4  
 Year 1956 Mean 22.780











Daily discharge, in second-feet, of Yellow Creek near Evanston, Wyoming for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			0				32	28	16			
2			0				22	33	13			
3			0				16	30	12			
4			0				14	37	10			
5			0				14	49	9.9			
6			0				12	50	9.1			
7			0	2.0			12	51	7.6			
8			0				14	52	6.5			
9			0				13	50	5.8			
10			0				16	51	5.0			
11			0			1.5	22	50	7.3			
12			0		1.5		22	46	3.3			
13			0				18	45	3.0			
14			0				17	36	2.3			
15			0				17	32	2.1			
16			0				18	32	2.3			
17			0				20	41	2.8			
18			0				23	47	3.6			
19			0				20	48	3.6			
20			0				19	46	3.1			
21			0				21	39	2.3			
22			1.5				25	35	1.6			
23			8.0			3.0	32	45	1.3			
24			35			15	32	51	0.8			
25			30	2.0		25	30	43	0.5			
26			15			30	31	32	0.4			
27			9.0			25	35	29	0.4			
28			7.0			30	36	26	0.3			
29			4.5		1.5	26	34	26	0.3			
30			3.5			25	27	22	0.1			
31			3.0			31		20				
	0	0	116.5	62	43.5	276.5	664	1,222	136.3	0	0	0

MEAN	0	0	3.76	2.0	1.5	8.92	22.1	39.4	4.54	0	0	0
ACRE-FOOT	0	0	231	123	86	548	1,320	2,420	270	0	0	0
YEAR	1956											
MEAN	6.89											
ACRE-FOOT	5,000											

Plate No. 8

U. S. GOVERNMENT PRINTING OFFICE: 1954



for the year ending September 30, 19 56

Daily discharge, in second-feet, of Bear River near Evanston, Wyoming

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.0	10	70	100	80		418	380	1,610	130	7.1	0.3
2	7.6	11					290	415	1,730	146	6.0	0.2
3	7.1	12					229	396	1,650	124	6.0	0.2
4	6.6	24					203	485	1,440	99	5.0	0.2
5	6.6	33					221	667	1,320	88	4.2	0.2
6	7.1	30					169	683	1,210	69	3.9	0.2
7	8.2	27					185	772	1,060	43	3.6	0.2
8	9.3	28					213	886	974	28	3.2	0.2
9	7.6	28					171	934	970	20	2.4	0.2
10	7.6	34		105		95	200	914	930	14	1.4	0.1
11	7.1	44					224	785	946	10	1.3	0.1
12	8.2	31					224	723	906	7.1	1.2	0.1
13	9.3	26					211	639	827	5.0	1.2	0.1
14	8.8	23					198	534	735	4.2	1.6	0
15	9.8	20					208	485	683	3.6	1.9	0
16	11	20					213	526	655	3.9	1.9	0.1
17	9.8	25					234	715	506	3.6	2.2	0.1
18	7.1	30					259	974	461	3.6	1.8	0.1
19	6.6	40					234	1,160	356	3.6	0.7	0.2
20	6.6	60		105			218	1,380	299	3.9	0.6	0.1
21	9.9					150	245	1,440	254	3.2	0.6	0.1
22	12					250	299	1,470	213	2.4	0.6	0.2
23	13					400	344	1,800	195	1.8	0.6	0.2
24	17						362	1,900	205	1.6	0.4	0.3
25	17	80				679	368	1,760	205	1.4	0.4	0.4
26	12					789	384	1,800	198	1.8	0.3	0.4
27	12					723	431	1,870	181	1.6	0.3	0.4
28	14					471	451	1,550	171	1.8	0.3	0.4
29	12					365	402	1,340	150	2.5	0.3	0.5
30	14					418	365	1,240	133	27	0.2	0.6
31	16					506		1,380		10	0.3	
	306.9	1,356	3,916	3,170	2,580	7,192	8,173	32,003	21,173	864.6	61.5	6.4

Mean	9.90	45.2	126	102	89.6	232	272	1,030	706	27.9	1.98	0.21
Actual	609	2,690	7,770	6,290	5,120	14,270	16,210	63,480	42,000	1,710	122	13

Plate No. 9

YEAR 221

U. S. GOVERNMENT PRINTING OFFICE











for the year ending September 30, 19 56

Daily discharge, in second-feet, of **Woodruff Creek near Woodruff, Utah**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9.8	9.0	11	19	12		34	69	105	24	14	10
2	9.8	9.0	11	18	12		30	78	94	24	13	9.4
3	9.8	9.8	9.8	17	12	14	28	162	86	22	13	9.4
4	9.8	9.8	10	17	13		26	205	82	22	12	10
5	9.8	9.8	10		14		28	251	74	21	12	9.8
6	9.8	9.4	10		14		25	238	68	20	12	10
7	9.8	9.8	10	16	13		26	244	60	19	12	10
8	9.8	9.4	9.8		13		30	220	56	18	12	10
9	9.8	9.8	9.8		13		32	220	55	18	12	11
10	9.8	10	9.8		13	15	39	213	52	18	11	9.8
11	10	13	9.8	16	13		46	182	49	18	11	11
12	10	9.4	9.8	16	13		48	147	46	18	11	11
13	9.8	9.8	9.8	16	13		49	122	43	17	11	10
14	9.8	11	9.8	16	13		48	105	40	17	12	9.8
15	10	9.8	10	16			47	92	42	16	12	9.4
16	10	10	9.8	20	13		56	88	44	16	11	9.8
17	10	10	9.8	18			64	102	37	15	11	11
18	10	9.8	10	17		18	77	159	34	14	11	11
19	10	10	10	16	13		91	231	33	14	11	11
20	12	12	10	16		30	104	292	32	14	12	10
21	11	13	10	16		34	122	268	30	14	11	11
22	12	12	14	16		39	142	243	29	15	10	12
23	11	11	90	15		47	155	240	28	14	10	12
24	11	11	167	15		52	164	235	28	14	10	11
25	10	11	118	16		57	167	230	28	14	10	11
26	10	11	82	16	14		173	222	28	15	10	11
27	9.8	11	54	16		52	181	220	27	14	10	11
28	9.8	11	38	15		43	161	230	26	14	10	11
29	9.8	11	29	14		36	139	200	25	16	10	12
30	9.8	11	23	13		30	119	150	24	17	10	12
31	9.8		21	12		35		120		14	10	
	313.6	313.6	846	498	385	783	2,451	5,778	1,405	526	347	317.4

MEAN ACRE- FEET	10.1	10.5	27.3	16.1	13.3	25.3	81.7	186	46.8	17.0	11.2	10.6
ACRE- FEET	622	622	1,680	988	764	1,550	4,860	11,460	2,790	1,040	688	630







Daily discharge, in second-feet, of Big Creek near Randolph, Utah

for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.0						15	57	40	28	23	18
2	7.0		7.6				14	56	40	28	23	18
3	7.0		7.6			8.4	14	59	39	28	22	18
4	7.0		7.6				14	62	39	27	21	18
5	7.0	7.0					14	64	38	27	20	18
6	7.0						14	61	37	27	20	18
7	7.0						14	58	36	27	20	18
8	7.0			9.5			15	54	36	26	20	18
9	7.0						15	54	35	26	20	18
10	7.0		7.2				16	54	35	26	20	18
11	7.0					9.0	19	51	35	26	20	18
12	7.0						20	49	34	26	20	17
13	7.0						21	43	34	26	20	17
14	7.0						23	39	34	25	20	16
15	7.0	7.4					24	37	35	25	20	16
16	7.0						26	36	35	24	20	16
17	7.0						28	37	33	24	20	16
18	7.0		7.6			10	31	38	32	24	20	16
19	7.3					13	35	40	32	23	20	16
20	7.8					16	40	43	31	23	20	16
21	7.8					19	42	43	31	23	20	16
22	8.1	7.6				23	48	43	30	23	20	16
23	7.6					28	52	43	30	23	19	17
24	7.3					31	59	44	29	23	19	17
25	7.0					32	66	45	29	24	19	17
26	7.3					18	68	44	29	24	19	17
27	7.3					14	72	43	28	24	18	17
28	7.3					14	70	49	28	25	18	17
29	7.8					14	64	43	28	25	18	16
30	7.3					15	59	41	28	26	18	17
31	7.3		9.8			15		40		24		
	223.2	220.0	320.4	286.0	235.6	425.0	1,012	1,470	1,000	780	615	511

Mean Active Days	7.20	7.33	10.3	9.23	8.12	13.7	33.7	17.4	33.3	25.2	19.8	17.0
	443	436	636	567	467	843	2,010	2,920	1,980	1,550	1,220	1,010



Daily discharges, in second-feet, of Randolph Creek near Randolph, Utah for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.9	4.6	4.8	5.0	4.2	4.8	5.6	1.9	4.2	6.1	5.4	4.4
2	1.8	4.6	5.0	4.8	3.6	5.0	5.2	2.6	3.8	6.1	5.4	4.4
3	1.8	4.8	4.8	4.6	4.0	5.0	5.2	2.6	3.8	5.8	5.0	4.2
4	1.7	4.8	4.6	4.6	4.0	5.0	5.2	2.6	3.6	5.6	2.7	4.2
5	1.7	4.8	4.2	4.6	4.2	5.0	5.4	2.6	3.8	5.6	1.8	3.8
6	1.7	4.8	4.6	4.6	4.4	5.0	5.2	2.3	3.6	5.6	1.9	2.1
7	1.8	4.8	4.6	4.6	4.4	4.8	5.2	2.1	3.4	5.8	1.9	2.6
8	1.9	5.0	4.2	4.6	4.6	5.0	5.0	2.4	3.4	5.8	1.3	3.1
9	1.8	5.0	4.0	4.6	4.6	4.8	5.0	5.4	3.4	5.8	1.6	3.3
10	1.5	5.2	4.0	4.4	4.6	4.8	4.6	5.6	5.2	5.8	2.8	3.4
11	1.7	5.2	4.0	4.4	4.8	4.6	3.3	5.6	6.1	5.8	2.8	4.4
12	2.0	4.8	4.4	4.4	4.4	4.6	3.1	3.6	6.1	5.8	2.6	4.8
13	1.7	4.4	4.4	4.4	4.6	4.6	3.3	3.4	5.0	4.8	2.3	3.8
14	1.8	4.4	4.4	4.4	4.4	4.6	3.4	2.8	3.6	2.3	2.2	2.8
15	2.3	3.8	4.0	4.8	4.4	4.6	3.4	2.3	6.3	2.4	2.3	4.6
16	1.7	3.8	4.4	6.1	4.4	4.4	3.3	3.1	6.6	2.3	2.3	4.0
17	1.5	4.8	4.4	4.8	4.6	5.0	3.1	3.1	6.3	2.3	2.2	2.2
18	1.4	4.6	4.4	4.6	4.6	5.4	3.3	3.1	4.6	2.2	2.1	2.2
19	1.4	4.8	4.4	4.8	4.4	5.8	3.3	3.6	3.0	2.1	3.6	2.2
20	1.7	5.2	4.4	4.8	4.4	6.7	2.7	4.0	3.0	2.0	5.2	2.2
21	1.6	5.2	4.4	4.8	4.6	11	2.7	6.3	3.1	2.0	5.2	2.2
22	1.5	5.0	9.5	4.8	4.6	16	2.8	7.8	2.1	2.1	5.0	2.2
23	1.5	5.0	14	4.8	4.6	23	3.0	7.6	2.8	2.1	5.0	3.4
24	2.4	4.8	7.1	4.8	4.8	25	2.8	7.3	3.4	2.2	4.6	3.1
25	1.8	4.8	6.3	4.8	4.8	19	3.1	7.6	3.6	2.2	3.0	2.7
26	2.3	4.8	5.6	4.8	4.8	12	3.0	7.6	3.0	2.1	2.0	2.1
27	2.2	4.8	5.4	5.0	4.8	7.1	2.1	7.3	3.4	2.0	2.0	2.0
28	2.2	4.8	5.2	4.6	4.8	6.1	1.9	7.6	3.3	3.6	2.6	2.1
29	2.2	4.8	5.0	4.4	4.8	5.8	2.0	7.3	3.8	5.8	4.2	2.1
30	2.2	4.8	5.0	4.4	4.8	6.3	2.0	7.1	6.1	5.6	4.2	2.4
31	2.8	4.8	5.0	3.6	4.4	6.1	2.0	6.3	6.1	5.6	4.2	2.4
	57.5	143.0	160.5	144.7	130.2	238.9	109.2	145.5	123.4	125.3	99.6	93.0

MEAN ACRE- FEET	1.85	4.77	5.18	4.67	4.49	7.71	3.64	4.69	4.11	4.04	3.21	3.10
ACRE- FEET	114	284	318	287	258	474	217	289	245	249	198	184
YEAR	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966
MEAN	4.29	4.29	4.29	4.29	4.29	4.29	4.29	4.29	4.29	4.29	4.29	4.29
ACRE-FEET	3,120	3,120	3,120	3,120	3,120	3,120	3,120	3,120	3,120	3,120	3,120	3,120



**Combined**

**Discharge, in second-feet, of Otter Creek, South Branch and Middle Branch Otter Creek above Diverelons, for the year ending September 30, 1956, near Randolph, Utah**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1												
2												
3												
4												
5												
6												
7												
8						11.5						
9												
10			13									
11												
12												
13												
14				14								
15					12.5				13.5	13	12.5	12.5
16	12							14.5				
17												
18						14						
19												
20												
21												
22												
23						18						
24							14.5					
25			25									
26												
27												
28						17.0						
29												
30												
31												
	372	375.0	498	434	362.5	434.5	442.5	449.5	405.0	403	387.5	375

MEAN	12	12.5	15.9	14	12.5	14.0	14.8	14.5	13.5	13	12.5	12.5
AGG.	738	744	978	861	719	862	878	892	803	799	769	744

U. S. GOVERNMENT PRINTING OFFICE: 16 OFFICIAL

Year Mean 13.5

Agg. Part 9,790

Plate No. 16

Daily discharge, in second-feet, of **Bear River near Randolph, Utah**, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.1	8.2	38	220			527	267	1,540	77	51	8.8
2	6.1	8.0	50	200	95		530	229	1,180	68	48	8.0
3	6.4	11		180			477	183	1,060	58	47	8.4
4	6.4	22		170			407	167	1,070	52	47	8.8
5	6.4	21		160			365	112	1,100	44	45	10
6	7.0	21	48				339	138	1,100	38	42	11
7	7.0	23			100		324	199	1,030	33	36	12
8	6.7	23					307	242	837	31	33	11
9	6.7	23					286	220	684	29	34	9.2
10	6.4	23				115	284	233	525	27	33	9.2
11	6.7	26					272	299	438	25	24	9.2
12	7.0	25	60				267	387	379	36	22	9.2
13	7.0	24					269	460	403	45	20	8.8
14	7.0	23					237	530	436	43	19	8.8
15	7.0	20		150	110		231	530	399	42	18	8.8
16	7.0	20					233	477	442	51	17	8.8
17	7.4	25					224	375	489	46	17	8.8
18	7.4	27					226	312	510	46	16	8.4
19	7.4	30	72				226	324	462	44	16	8.0
20	7.4	32					222	411	389	44	16	8.0
21	7.4					200	220	525	329	43	15	7.6
22	7.8		90			400	208	684	265	47	15	8.0
23	7.8		130			1,700	206	849	218	46	13	8.0
24	7.8		200			2,310	217	1,000	160	44	10	8.8
25	7.8	34	279			1,930	237	1,120	141	45	10	8.8
26	8.2		304			1,740	252	1,240	123	46	10	8.8
27	8.2		350			1,480	246	1,470	99	44	10	8.4
28	8.6		400	135		1,210	231	1,800	93	44	11	8.0
29	8.6		325			936	261	1,920	93	45	10	8.8
30	8.6		300			681	274	1,930	84	58	10	8.8
31	8.2		250			544		1,800		52	8.8	9.2
	225.5	775.2	3,832	4,740	3,110	15,131	8,605	20,433	16,078	1,393	723.8	267.6
MEAN	7.27	25.8	124	153	122	488	287	659	536	44.9	23.3	8.92
AGRICULTURE	447	1,540	7,600	9,400	6,170	30,010	17,070	40,530	31,890	2,760	1,440	531



Daily discharge, in second-feet, of **Twin Creek at Sage, Wyoming**

for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.7	4.1					76	36	25	8.3	5.0	3.4
2	4.7	5.5					44	38	23	9.2	5.3	4.2
3	4.4	4.9					33	38	21	9.2	5.0	3.6
4	3.8	8.0	6.0	10	7.0	8.5	26	38	19	8.7	5.3	3.4
5	3.8	6.2					33	40	18	7.9	5.8	3.1
6	3.8	6.9					25	39	15	7.5	5.8	2.9
7	4.1	6.6					22	38	14	7.5	5.5	2.9
8	4.4	7.6	5.0				34	35	12	7.1	5.3	2.9
9	4.4	11					32	30	9.6	6.6	5.3	2.9
10	4.1	6.2		12			37	31	9.6	6.6	5.3	2.9
11	4.1	6.0				8.0	45	38	9.6	6.2	5.5	2.9
12	4.1	5.5					44	50	9.6	6.6	5.8	2.9
13	4.1	5.2					44	51	9.6	6.2	5.8	3.1
14	3.8	4.9					46	42	9.2	6.6	6.2	3.4
15	3.5	3.5					47	38	11	7.5	5.5	2.8
16	4.1	4.0					50	36	12	6.6	4.4	2.8
17	5.2	5.0					47	33	14	6.2	4.4	2.9
18	4.1	6.0					46	29	15	5.5	4.4	2.9
19	4.1	7.0					41	28	16	5.3	5.0	3.1
20	4.9	8.5		14	8.5		41	27	13	5.3	4.4	3.1
21	4.9	8.0					42	26	12	5.0	5.0	3.4
22	4.9	7.5					44	26	11	5.0	5.3	3.1
23	4.9	7.0					44	28	11	5.5	4.4	3.4
24	4.9	7.0					45	26	9.6	5.5	4.2	3.9
25	4.7	7.5					45	29	8.7	5.5	3.9	3.9
26	4.4	8.0					45	28	9.2	5.3	3.9	3.9
27	4.7	8.0					41	28	9.6	5.0	3.6	3.9
28	4.9	8.0					42	28	9.6	5.0	3.4	4.2
29	4.9	8.0					39	52	8.7	6.2	3.4	3.9
30	4.9	8.0					35	45	8.7	5.8	3.4	3.6
31	5.2	15					29	29		5.3	3.6	
137.5		199.6	664.5	376	236.5	3,120.5	1,235	1,080	383.3	199.7	148.6	99.3

6.44	6.65	21.4	12.1	8.16	101	41.2	34.8	12.8	6.44	4.79	3.31
273	396	1,320	746	469	6,190	2,450	2,340	760	396	295	197

Plate No. 18

Sheet 21.5

ACROSS PAGE 15,630



Daily discharges, in second-feet, of **Bear River below Pixley dam, near Cokeville, Wyo.** for the year ending September 30, 19 **56**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	19	26	43	250	110	130	795	232	1,400	103	75	20
2	19	23	61	225	110	130	758	200	1,340	109	70	19
3	18	23		210	110	130	693	96	1,250	126	68	19
4	18	27		190	110	130	614	77	1,140	148	66	18
5	18	34		180	110	130	541	72	1,080	116	62	13
6	18	34	55	170	110	130	501	65	1,050	100	60	8.2
7	19	34			115	130	464	77	1,040	91	59	8.6
8	19	35			115	130	439	86	972	83	54	6.4
9	19	34			115	130	422	94	760	77	48	6.4
10	18	34			115	130	402	105	464	72	48	6.4
11	17	37			115	130	402	124	312	68	47	6.4
12	18	35			115	130	386	174	276	61	38	6.4
13	20	34	70		115	130	378	394	270	66	34	6.1
14	21	32			115	130	360	504	242	71	32	6.1
15	21	28			115	130	324	504	224	68	32	6.1
16	21	35			115	130	322	510	230	66	31	6.4
17	21	87			115	130	322	488	265	64	30	6.7
18	21	65	80		115	130	316	431	366	71	28	6.7
19	22	40			115	130	316	334	400	87	28	7.0
20	24	38			115	130	312	234	450	76	28	6.7
21	25	44			115	130	308	243	398	67	27	7.4
22	25	51	80		115	130	301	314	338	81	26	7.8
23	24	42	150		115	130	293	550	285	71	26	11
24	24	43	225		115	130	291	914	247	65	24	10
25	23	41	275		115	130	299	909	184	64	23	10
26	22	35	300		115	130	308	909	132	65	21	11
27	23	34	350		115	130	312	927	111	65	21	11
28	24	40	375		115	130	289	1,010	59	62	21	12
29	26	43	350	150	115	130	166	1,160	100	61	21	12
30	26	41	325		115	130	178	1,360	108	65	20	13
31	26		300		115	130	922	1,440		91	20	
	659	1,149	4,104	5,260	3,545	17,832	11,812	14,537	15,493	2,480	1,188	294.8

Year	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966
Mean	21.3	38.3	132	170	122	575	394	469	516	80.0	30.3	9.83
Actual	1,310	2,280	8,140	10,430	7,030	35,370	23,430	28,830	30,730	4,920	2,360	585



Daily discharges, in second-feet, of Smiths Fork near Border, Wyoming for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	82	72	67	76		64	103	449	1,180	454	206	119
2	80	71	68	74	60	64	99	483	1,220	435	193	116
3	79	76	70	70		62	513	96	1,220	1,220	416	193
4	79	74	66	70	62	60	96	566	1,170	398	190	114
5	79	74	62	74		60	1,130	99	560	1,130	380	187
6	80	70	64	74	63	58	92	840	1,100	366	181	114
7	79	73	64	74		62	56	97	820	1,020	353	178
8	79	73	66	72	65	59	110	800	984	340	172	112
9	79	73	66	68		62	62	112	790	971	332	169
10	78	79	66	72	64	60	134	742	964	323	166	107
11	79	82	70	74		63	58	163	700	984	315	160
12	79	79	72	73	67	57	183	617	964	306	157	108
13	78	72	67	72		65	58	210	544	926	298	155
14	78	76	64	70	67	58	242	493	886	290	155	108
15	78	65	62	73		65	57	248	459	868	286	155
16	76	58	66	72	64	58	323	478	832	278	152	107
17	76	63	66	70		64	60	349	555	736	271	152
18	74	67	66	70	64	61	371	688	676	271	147	103
19	78	71	67	70		64	62	435	826	658	263	147
20	82	76	67	70	64	62	503	978	652	255	150	101
21	79	76	67	68		64	60	582	1,040	634	252	139
22	79	73	76	70	67	63	628	1,060	577	252	137	101
23	79	72	114	70		67	66	617	1,130	555	259	134
24	76	72	172	69	67	70	623	1,140	550	245	130	101
25	76	69	130	68		67	78	571	1,220	544	237	127
26	76	70	110	70	64	84	582	1,190	533	230	125	99
27	76	72	103	70		64	87	646	1,110	518	220	125
28	79	68	92	68	64	90	555	1,090	503	220	125	101
29	79	67	87	66		64	87	483	1,090	483	216	123
30	78	67	80	64	64	89	449	1,040	473	213	121	99
31	78	80	80	61		64	96		1,080	473	210	121
	2,427	2,150	2,437	2,182	1,850	2,066	9,801	25,091	24,511	9,184	4,772	3,196

MEAN	78.3	71.7	78.6	70.4	63.8	66.6	327	809	817	296	154	107
AGGREGATE	4,810	4,260	4,830	4,330	3,670	4,100	19,440	49,770	48,620	18,220	9,470	6,340



*Daily discharge, in megaliters, of* **Bear River below Smiths Fork near Cokeville, Wyo.** *for the year ending September 30, 19 56*

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	115	128	163	325		211	1,490	850	2,500	515	211	132
2	119	106	150	275	160	211	1,270	862	2,640	510	194	139
3	117	128	160	230		211	1,130	808	2,700	2,630	500	191
4	117	128	150	250	170	214	1,020	778	2,630	521	188	121
5	117	128	140	239		214	904	844	2,460	2,460	479	184
6	119	128	135	242	190	205	802	877	2,310	445	178	119
7	121	135	140	260		200	761	898	2,210	2,210	416	173
8	121	130	145	260	210	207	732	910	2,090	402	170	112
9	121	133	145	250		207	704	945	2,940	2,940	376	167
10	119	140	150	240	254	200	699	987	1,680	350	159	110
11	119	152	155	230		200	726	738	1,010	1,440	354	159
12	119	140	155	242	190	200	738	1,030	1,280	342	151	104
13	119	130	155	224		205	749	749	1,190	1,230	329	144
14	119	110	150	239	210	211	767	1,300	1,200	305	139	93
15	121	85	145	242		210	721	721	1,230	1,120	295	130
16	121	90	151	254	215	215	761	1,180	1,160	285	130	95
17	123	112	159	254		228	802	802	1,200	1,080	266	141
18	123	142	162	254	228	228	802	1,200	1,080	246	144	91
19	125	155	164	258		228	844	844	1,230	1,110	224	146
20	130	147	167	266	254	254	904	1,180	1,130	204	149	95
21	130	158	173	260		380	966	966	1,240	1,130	188	146
22	130	152	184	277	664	664	1,020	1,340	1,020	178	139	91
23	128	152	242	269		880	1,040	1,590	2,010	850	200	129
24	128	140	313	255	966	966	1,070	2,010	773	191	127	89
25	128	130	338	255		2,030	1,060	2,120	2,120	686	188	125
26	128	140	354	258	3,460	3,460	1,040	2,210	619	188	123	96
27	128	152	371	232		2,970	2,970	1,110	2,210	580	184	123
28	130	166	380	230	2,700	2,700	1,110	2,170	500	184	127	100
29	130	160	400	225		2,350	952	2,250	2,250	532	184	132
30	133	160	375	200	2,050	2,050	820	2,340	532	194	136	100
31	133	375	375	175		1,850	2,370	2,370	2,370	194	194	129
	3,831	4,057	6,546	7,670	5,626	24,559	27,514	42,352	42,590	9,447	4,702	3,116

Month	Discharge	Discharge	Discharge	Discharge	Discharge	Discharge	Discharge	Discharge	Discharge	Discharge	Discharge	Discharge
March	124	135	211	247	194	792	917	1,366	1,420	305	152	104
April	7,600	8,050	12,980	15,210	11,160	48,710	54,570	84,000	84,480	18,740	9,330	6,180



**Bear River at Border, Wyoming**, for the year ending September 30, 19 56

Daily discharge, in second-feet, of

DAY	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	131	145	180	340	175	230	1,590	904	2,450	493	234	134
2	137	129	170	280				185	220	924	2,620	490
3	148	140	180	250	205	230	860			2,830	484	212
4	156	144	170	260			230	230	836	2,860	481	210
5	150	140	160	260	240	230			892	2,690	467	205
6	145	142	150	270			240	230	850	2,390	430	199
7	145	142	155	280	240	230			810	2,210	403	193
8	145	140	160	280			240	230	770	2,080	390	195
9	144	140	165	270	240	230			740	1,930	372	190
10	142	150	165	265			240	230	733	1,720	340	182
11	140	160	170	250	240	230			754	1,460	333	176
12	139	158	170	260			240	230	776	1,280	322	171
13	137	145	170	260	240	230			763	1,220	303	173
14	137	125	165	260			240	230	805	1,170	281	166
15	139	105	160	260	240	230			779	1,090	270	164
16	139	110	165	275			240	230	794	1,140	263	157
17	139	130	170	275	240	230			840	1,060	253	153
18	140	160	175	275			240	230	852	1,060	228	141
19	142	170	180	280	240	230			868	1,060	197	144
20	145	165	185	280			240	230	924	1,060	178	149
21	148	170	190	270	240	230			988	1,110	166	149
22	148	165	200	290			240	230	1,060	1,020	160	144
23	147	165	250	290	240	230			1,100	924	175	137
24	144	155	330	290			240	230	1,130	840	188	136
25	142	145	350	290	240	230			1,130	779	186	137
26	142	155	370	280			240	230	1,100	690	184	136
27	142	170	390	260	240	230			1,180	622	184	132
28	144	180	400	260			240	230	1,180	583	191	130
29	145	180	400	250	240	230			1,020	511	201	136
30	145	180	380	230			240	230	896	511	220	141
31	147		380	210	240	230				2,390	218	134
	4,434	4,505	7,005	8,350	6,135	24,600	29,042	42,588	42,970	9,051	5,146	3,224

MEAN	143	150	226	269	212	794	968	1,374	1,432	292	166	107
ACRE-Feet	8,790	8,940	13,890	16,560	12,170	48,790	57,600	84,470	85,230	17,950	10,210	6,390

Plate No. 22

YEAR 1956 MEAN 511

ACRE-Feet 371,000



Daily discharge, in second-feet, of **Thomas Fork near Wyoming-Idaho State line** for the year ending September 30, 19 **56**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	12	15	22	12	15	81	392	164	59	32	19
2	11	12	15	22	12	15	76	394	155	58	30	19
3	11	12	14	22	12	14	68	394	150	56	27	19
4	10	12	12	23	12	14	69	417	147	54	27	19
5	10	13	10	25	13	13	78	486	139	52	26	19
6	11	12	10	22	12	12	74	475	131	50	26	19
7	11	12	11	21	13	13	90	444	126	48	26	19
8	11	12	11	21	13	14	115	422	120	47	25	19
9	11	12	11	18	15	15	123	403	117	46	24	19
10	11	17	12	19	14	14	160	387	111	45	24	19
11	11	21	13	19	16	12	191	381	107	44	23	20
12	11	13	14	20	16	13	191	340	101	42	23	20
13	11	12	13	20	14	14	237	312	99	41	23	19
14	11	12	11	19	14	14	272	285	96	39	23	18
15	11	12	11	19	14	13	310	261	99	38	24	18
16	11	10	13	21	16	14	334	255	108	38	24	18
17	11	12	13	20	16	14	338	251	93	37	24	18
18	11	14	13	18	15	14	368	274	90	36	24	18
19	12	14	13	19	15	15	390	282	83	35	24	18
20	13	15	13	17	16	16	447	285	82	34	27	18
21	13	16	13	17	18	18	497	274	83	33	23	18
22	13	16	23	18	19	19	504	257	78	33	22	18
23	13	14	100	17	23	23	531	249	76	33	21	18
24	12	14	186	17	32	32	554	241	72	32	21	18
25	11	13	100	16	39	39	486	241	71	32	20	18
26	11	14	72	17	45	45	520	219	67	31	20	18
27	11	15	57	18	50	50	586	208	66	30	20	18
28	12	16	36	15	48	48	504	221	63	30	20	19
29	12	15	27	14	51	51	444	221	60	30	20	20
30	13	15	24	13	62	62	403	189	58	31	20	19
31	13	12	23	12	74	74	175	175	58	30	20	19
	355	407	909	981	431	739	9,041	9,645	3,012	1,244	733	559

MEAN ACRE- FEET	11.5	3.6	29.3	18.7	14.9	23.8	301	311	100	40.1	23.6	18.6
704	807	1,800	1,150	855	1,470	17,930	19,130	5,970	2,470	1,450	1,110	1,110

Plate No. 23

YEAR ~~1956~~ 1956  
 MEAN 75.6  
 ACRES-FOOT 54,850



Daily discharge, in second-feet, of **Bear River at Harer, Idaho**

for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	147	175	228	390	200	240	2,000	1,450	2,460	583	284	150
2	141	172	215	370	190	235	1,650	1,450	2,500	570	284	152
3	145	158	210	360	190	235	1,440	1,430	2,580	556	253	160
4	158	172	190	315	195	240	1,300	1,370	2,680	547	245	162
5	167	177	170	310	195	245	1,190	1,360	2,730	555	240	168
6	163	172	161	325	200	245	1,080	1,430	2,690	539	235	142
7	165	177	170	300	200	245	980	1,460	2,510	500	228	146
8	172	175	180	305	200	245	969	1,480	2,340	513	228	144
9	170	177	190	300	200	255	953	1,500	2,180	508	230	148
10	172	175	190	295	200	265	949	1,500	2,020	443	225	142
11	172	184	190	295	205	270	973	1,550	1,750	409	213	129
12	167	196	170	300	210	270	1,010	1,590	1,520	394	201	123
13	167	170	190	310	215	260	1,020	1,630	1,480	376	201	123
14	167	140	220	305	225	255	1,060	1,710	1,400	342	206	119
15	167	105	185	305	225	250	1,090	1,760	1,310	326	203	119
16	167	110	180	310	225	250	1,070	1,670	1,310	329	203	117
17	167	120	175	315	225	260	1,140	1,610	1,280	312	191	117
18	167	145	190	315	225	275	1,180	1,590	1,230	376	196	121
19	167	155	200	315	225	280	1,190	1,590	1,200	284	184	123
20	175	175	205	320	225	290	1,260	1,580	1,170	252	187	121
21	177	190	210	325	225	310	1,340	1,510	1,200	220	187	127
22	177	190	225	328	225	440	1,440	1,570	1,170	213	184	125
23	175	205	240	330	225	640	1,520	1,640	1,070	219	178	127
24	170	200	270	315	230	810	1,610	1,820	977	238	171	127
25	170	180	320	300	230	1,160	1,670	2,080	896	269	167	131
26	170	180	375	300	230	1,670	1,680	2,220	838	258	158	153
27	170	195	435	300	235	2,560	1,680	2,310	791	250	156	133
28	170	205	440	295	245	3,540	1,740	2,350	710	248	156	139
29	175	215	435	275	244	3,190	1,720	2,250	644	250	156	144
30	175	228	395	235	244	3,010	1,570	2,380	588	272	160	139
31	175	230	390	205	244	2,380	1,440	2,440	284	284	165	139
5,187	5,228	7,564	9,578	6,264	39,482	53,460	47,214	11,401	6,275	4,031	6,275	4,031

167	174	244	309	216	801	1,316	1,725	1,574	368	202	134
10,290	10,370	15,000	19,000	12,420	49,230	78,310	106,000	93,650	22,610	12,450	8,000
Max. Disch. 3,810 cfs, Mar. 28											
YEAR 1956											
G.A. 602											
A. 137,300											
Plate No. 24											



Dingle Inlet aquifer near Dingle, Idaho

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	7	1	3	8.6	7.9	4.9	26	10	7.2	2.4	7.6	6.0
2	7	1	2	8.8	7.4	5.7	23	10	4.4	2.0	25	4.1
3	7	6	5	8.8	6.9	6.4	19	10	3.0	2.0	25	6.8
4	6	7	8	8.9	6.5	7.2	16	9.6	2.7	2.0	22	10
5	1	9	7	8.9	6.0	8.0	16	9.1	3.8	2.0	18	8.6
6	4	10	8	9.0	5.5	8.8	15	9.1	3.5	1.8	19	4.1
7	4	11	8	9.1	5.0	8.7	14	8.6	2.7	1.6	18	1.8
8	4	9	8	9.1	4.9	8.7	14	9.1	1.8	1.6	14	1.6
9	4	3	7	9.2	4.7	8.6	14	8.6	1.6	1.4	16	1.2
10	4	3	7	9.1	4.6	8.5	13	8.1	1.6	1.2	16	1.0
11	3	3	7	9.0	4.4	8.4	13	7.2	2.0	1.2	15	1.0
12	3	3	7	8.8	4.3	8.4	12	7.2	2.2	1.0	15	.8
13	3	2	6	8.7	4.2	8.3	12	7.2	2.2	.8	19	.7
14	3	3	6	8.6	4.0	8.6	12	7.2	2.0	.7	15	.2
15	3	3	6	8.4	3.9	9.0	12	7.6	2.0	.8	12	.4
16	3	4	6	8.3	3.7	9.3	12	7.2	1.8	1.4	12	.6
17	2	4	6	8.2	3.6	9.7	12	7.6	1.6	1.4	12	.6
18	2	5	6	8.1	3.5	10	12	7.2	1.4	1.2	5.4	.7
19	2	5	6	8.1	3.3	10	12	9.6	1.4	1.6	1.2	1.0
20	3	6	6	8.0	3.2	11	12	11	1.4	1.4	1.0	1.6
21	3	6	6	8.0	3.0	11.1	11	12	1.2	1.4	4.7	1.4
22	4	7	7	7.9	2.9	11	12	12.7	1.2	2.4	3.2	1.4
23	3	7	7	7.9	3.1	13	11	9.6	1.6	1.6	2.7	1.0
24	2	7	7	7.8	3.2	16	11	4.7	1.6	1.6	3.7	1.0
25	2	8	8	7.9	3.4	19	11	3.5	1.6	1.8	4.1	.8
26	2	8	8	8.0	3.6	23	11	3.5	1.6	9.1	5.7	1.0
27	2	4	9	8.1	3.8	28	11	3.2	1.8	19	4.4	.7
28	2	4	9	8.1	3.9	32	11	5.4	2.0	29	3.8	.8
29	2	2	9	8.2	4.1	37	11	14	2.0	30	3.5	.7
30	1	2	9	8.3		34	11	15	2.4	31	3.2	.8
31	1	2	9	8.4		30		18		15	4.7	
	103	150	212	262.5	128.5	422.2	404	272.1	67.3	170.4	330.9	62.4

MAX	3.3	5.0	6.8	8.47	4.43	13.6	13.5	8.78	2.24	5.10	10.7	3.08
ACTUAL	204	288	420	521	255	837	801	540	133	338	656	124
YEAR												
OR												
EXCEEDED												
MONTH												
ACROSS												
PAST												
PLATE NO.												

Max. Disch., 71 cfs Oct., 29. YEAR OR EXCEEDED MONTH ACROSS PAST PLATE NO., 25



for the year ending September 30, 1956

Daily discharge, in second-feet, of Rainbow inlet canal near Dingle, Idaho

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	72	129	144	322	120	166	2,190	1,400	1,880	268	140	72
2	74	134	134	280	100	166	1,800	1,360	1,940	258	142	65
3	69	124	131	270	109	166	1,480	1,320	2,020	254	166	62
4	83	118	120	225	111	170	1,310	1,260	2,120	252	168	67
5	120	120	114	218	116	179	1,190	1,240	2,150	252	160	25
6	131	118	109	237	124	176	1,100	1,280	2,160	263	158	7.3
7	136	120	115	230	124	174	970	1,320	2,150	249	152	7.3
8	141	120	122	214	126	170	911	1,330	1,980	242	146	7.3
9	144	124	129	210	126	185	899	1,250	1,830	249	146	7.3
10	141	122	127	207	124	194	887	1,270	1,600	273	140	7.3
11	141	127	127	202	138	200	895	1,300	1,480	275	134	7.3
12	138	134	124	211	136	206	932	1,350	1,160	251	134	7.3
13	141	127	124	218	146	187	940	1,340	940	223	132	7.3
14	138	94	154	218	154	183	974	1,420	903	202	136	7.3
15	136	60	118	218	152	180	929	1,450	850	179	136	7.4
16	136	66	113	220	160	179	974	1,410	826	126	126	7.4
17	134	76	109	225	162	187	999	1,350	830	130	120	7.5
18	131	96	120	227	158	211	1,050	1,380	747	128	115	7.5
19	134	79	129	227	160	216	1,060	1,240	692	136	118	7.3
20	138	94	134	232	150	202	1,120	1,210	654	120	112	7.2
21	141	105	138	239	154	223	1,210	1,180	681	107	101	7.0
22	127	107	151	230	162	270	1,240	1,130	685	94	88	6.8
23	127	122	166	246	156	429	1,360	1,140	636	86	83	6.7
24	124	113	192	220	168	677	1,430	1,240	560	84	90	6.5
25	122	105	234	216	162	850	1,510	1,320	509	72	86	6.5
26	120	96	288	214	164	995	1,580	1,580	423	77	79	6.9
27	120	115	340	215	168	1,340	1,560	1,740	378	74	67	7.1
28	120	127	340	200	181	2,360	1,590	1,800	328	77	68	7.4
29	120	136	340	190	176	3,010	1,630	1,840	306	88	63	7.6
30	122	141	300	154	176	3,200	1,550	1,830	280	109	47	7.8
31	122	125	300	125	270	2,790	1,550	1,850	186	146	41	7.8
3,245		3,314	5,286	6,868	4,193	19,835	37,380	43,080	33,788	5,368	3,595	471.5

124	111	171	222	145	640	1,246	1,392	1,126	173	116	15.7
7,630	6,630	10,480	13,620	8,320	39,340	74,140	85,450	67,020	10,650	7,130	935
Max. Disch. 3,380 cfs, Mar. 30.											
Total Discharge: 331,300 Plate No. 26											



for the year ending Sept. 30, 1956

Bear River below Stewart Dam, near Montpelier, Idaho

Daily discharge, in second-feet, of

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	17	19	22	21	22	25	21	29	27	3.3	17
2	10	18	19	22	22	22	19	20	29	25	7.7	1.6
3	11	17	18	24	24	22	19	20	33	24	8.1	1.9
4	12	17	17	24	24	21	19	20	34	24	8.5	1.2
5	13	18	16	22	23	21	18	20	34	23	8.5	3.8
6	14	17	16	22	20	21	17	20	34	23	8.9	5.0
7	14	17	18	23	20	22	19	20	34	20	9.4	5.3
8	14	17	18	23	20	22	20	20	34	17	8.9	5.1
9	15	18	18	23	21	22	21	21	32	17	9.4	5.4
10	16	18	17	23	21	23	20	22	31	19	9.8	4.8
11	16	19	16	23	18	23	21	22	28	16	10	4.7
12	16	19	16	23	18	23	21	23	26	14	9.8	4.1
13	15	19	16	23	19	23	21	23	26	11	10	3.5
14	15	17	17	23	19	22	21	24	26	11	11	3.2
15	16	14	16	23	20	23	21	25	26	0	11	5.2
16	16	15	16	23	20	22	20	26	25	17	11	2.9
17	16	15	16	23	20	22	20	25	26	25	11	2.7
18	18	15	16	23	20	22	20	24	25	25	11	2.4
19	20	16	17	24	20	23	19	24	24	24	11	2.1
20	20	15	17	23	20	23	20	24	29	24	11	2.1
21	19	16	18	22	20	24	20	24	30	24	11	2.0
22	19	17	16	22	20	25	20	24	30	24	11	2.0
23	19	17	16	23	20	27	21	24	30	24	11	2.0
24	18	18	18	23	20	30	22	25	20	24	11	2.1
25	17	18	19	23	20	30	22	27	20	24	10	1.8
26	17	17	22	23	20	30	22	27	30	20	10	1.9
27	17	16	25	23	21	30	22	27	31	21	10	2.1
28	18	16	24	22	21	30	22	27	33	16	9.8	1.9
29	18	17	24	22	21	30	22	27	22	9.8	10	1.5
30	17	19	24	22	21	30	22	28	21	9.4	10	1.3
31	17	19	21	21	21	30	21	29	28	9.4	22	1.3
32	17	21	21	21	21	30	21	28	28	5.8	29	1.3
33	17	21	21	21	21	30	21	28	28	5.8	29	1.3
34	17	21	21	21	21	30	21	28	28	5.8	29	1.3
35	17	21	21	21	21	30	21	28	28	5.8	29	1.3
36	17	21	21	21	21	30	21	28	28	5.8	29	1.3
37	17	21	21	21	21	30	21	28	28	5.8	29	1.3
38	17	21	21	21	21	30	21	28	28	5.8	29	1.3
39	17	21	21	21	21	30	21	28	28	5.8	29	1.3
40	17	21	21	21	21	30	21	28	28	5.8	29	1.3
41	17	21	21	21	21	30	21	28	28	5.8	29	1.3
42	17	21	21	21	21	30	21	28	28	5.8	29	1.3
43	17	21	21	21	21	30	21	28	28	5.8	29	1.3
44	17	21	21	21	21	30	21	28	28	5.8	29	1.3
45	17	21	21	21	21	30	21	28	28	5.8	29	1.3
46	17	21	21	21	21	30	21	28	28	5.8	29	1.3
47	17	21	21	21	21	30	21	28	28	5.8	29	1.3
48	17	21	21	21	21	30	21	28	28	5.8	29	1.3
49	17	21	21	21	21	30	21	28	28	5.8	29	1.3
50	17	21	21	21	21	30	21	28	28	5.8	29	1.3
51	17	21	21	21	21	30	21	28	28	5.8	29	1.3
52	17	21	21	21	21	30	21	28	28	5.8	29	1.3
53	17	21	21	21	21	30	21	28	28	5.8	29	1.3
54	17	21	21	21	21	30	21	28	28	5.8	29	1.3
55	17	21	21	21	21	30	21	28	28	5.8	29	1.3
56	17	21	21	21	21	30	21	28	28	5.8	29	1.3
57	17	21	21	21	21	30	21	28	28	5.8	29	1.3
58	17	21	21	21	21	30	21	28	28	5.8	29	1.3
59	17	21	21	21	21	30	21	28	28	5.8	29	1.3
60	17	21	21	21	21	30	21	28	28	5.8	29	1.3
61	17	21	21	21	21	30	21	28	28	5.8	29	1.3
62	17	21	21	21	21	30	21	28	28	5.8	29	1.3
63	17	21	21	21	21	30	21	28	28	5.8	29	1.3
64	17	21	21	21	21	30	21	28	28	5.8	29	1.3
65	17	21	21	21	21	30	21	28	28	5.8	29	1.3
66	17	21	21	21	21	30	21	28	28	5.8	29	1.3
67	17	21	21	21	21	30	21	28	28	5.8	29	1.3
68	17	21	21	21	21	30	21	28	28	5.8	29	1.3
69	17	21	21	21	21	30	21	28	28	5.8	29	1.3
70	17	21	21	21	21	30	21	28	28	5.8	29	1.3
71	17	21	21	21	21	30	21	28	28	5.8	29	1.3
72	17	21	21	21	21	30	21	28	28	5.8	29	1.3
73	17	21	21	21	21	30	21	28	28	5.8	29	1.3
74	17	21	21	21	21	30	21	28	28	5.8	29	1.3
75	17	21	21	21	21	30	21	28	28	5.8	29	1.3
76	17	21	21	21	21	30	21	28	28	5.8	29	1.3
77	17	21	21	21	21	30	21	28	28	5.8	29	1.3
78	17	21	21	21	21	30	21	28	28	5.8	29	1.3
79	17	21	21	21	21	30	21	28	28	5.8	29	1.3
80	17	21	21	21	21	30	21	28	28	5.8	29	1.3
81	17	21	21	21	21	30	21	28	28	5.8	29	1.3
82	17	21	21	21	21	30	21	28	28	5.8	29	1.3
83	17	21	21	21	21	30	21	28	28	5.8	29	1.3
84	17	21	21	21	21	30	21	28	28	5.8	29	1.3
85	17	21	21	21	21	30	21	28	28	5.8	29	1.3
86	17	21	21	21	21	30	21	28	28	5.8	29	1.3
87	17	21	21	21	21	30	21	28	28	5.8	29	1.3
88	17	21	21	21	21	30	21	28	28	5.8	29	1.3
89	17	21	21	21	21	30	21	28	28	5.8	29	1.3
90	17	21	21	21	21	30	21	28	28	5.8	29	1.3
91	17	21	21	21	21	30	21	28	28	5.8	29	1.3
92	17	21	21	21	21	30	21	28	28	5.8	29	1.3
93	17	21	21	21	21	30	21	28	28	5.8	29	1.3
94	17	21	21	21	21	30	21	28	28	5.8	29	1.3
95	17	21	21	21	21	30	21	28	28	5.8	29	1.3
96	17	21	21	21	21	30	21	28	28	5.8	29	1.3
97	17	21	21	21	21	30	21	28	28	5.8	29	1.3
98	17	21	21	21	21	30	21	28	28	5.8	29	1.3
99	17	21	21	21	21	30	21	28	28	5.8	29	1.3
100	17	21	21	21	21	30	21	28	28	5.8	29	1.3
101	17	21	21	21	21	30	21	28	28	5.8	29	1.3
102	17	21	21	21	21	30	21	28	28	5.8	29	1.3
103	17	21	21	21	21	30	21	28	28	5.8	29	1.3
104	17	21	21	21	21	30	21	28	28	5.8	29	1.3
105	17	21	21	21	21	30	21	28	28	5.8	29	1.3
106	17	21	21	21	21	30	21	28	28	5.8	29	1.3
107	17	21	21	21	21	30	21	28	28	5.8	29	1.3
108	17	21	21	21	21	30	21	28	28	5.8	29	1.3
109	17	21	21	21	21	30	21	28	28	5.8	29	1.3
110	17	21	21	21	21	30	21	28	28	5.8	29	1.3
111	17	21	21	21	21	30	21	28	28	5.8	29	1.3
112	17	21	21	21	21	30	21	28	28	5.8	29	1.3
113	17	21	21	21	21	30	21	28	28	5.8	29	1.3
114	17	21	21	21	21	30	21	28	28	5.8	29	1.3
115	17	21	21	21	21	30	21	28	28	5.8	29	1.3
116	17	21	21	21	21	30	21	28	28	5.8	29	1.3
117	17	21	21	21	21	30	21	28	28	5.8	29	1.3
118	17	21	21	21	21	30	21	28	28	5.8	29	1.3
119	17	21	21	21	21	30	21	28	28	5.8	29	1.3
120	17	21	21	21	21	30	21	28	28	5.8	29	1.3
121	17	21	21	21	21	30	21	28	28	5.8	29	1.3
122	17	21	21	21	21	30	21	28	28	5.8	29	



Daily discharge, in second-feet, of Montpelier Crack at Irrigators Weir near Montpelier, Idaho, for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.5	7.4	7.8	12	6.3	6.8	21	90	68	29	17	9.9
2	7.5	7.0	7.8	12	6.2	6.8	21	90	66	29	15	9.4
3	7.5	7.4	7.4	9.7		6.4	20	90	64	28	15	9.4
4	7.5	7.4	6.0	11	6.1	6.1	21	90	64	27	15	9.4
5	7.4	7.5	5.6	12		6.1	21	92	60	26	14	9.9
6	7.4	7.4	7.4	11	6.4	5.6	21	99	58	24	14	9.9
7	7.5	7.2	7.7	9.8		6.4	22	95	56	24	13	10
8	7.5	7.0	6.8	9.8	6.4	6.9	26	91	53	23	14	9.9
9	7.4	7.2	8.0	8.5		6.8	28	89	52	22	14	9.9
10	7.4	8.0	7.7	10	6.9	34	88	49	22	13	9.9	
11	7.4	11	7.4	10	7.2	5.7	40	91	47	22	13	9.9
12	7.4	8.2	7.8	9.8		7.0	41	86	44	21	11	9.8
13	7.2	6.6	7.5	9.7	7.2	6.6	47	82	44	21	10	9.7
14	7.4	7.7	5.1	9.5		6.6	53	77	44	20	11	9.7
15	7.4	5.7	6.4	9.8	7.0	6.0	56	73	46	20	12	9.7
16	7.4	5.4	7.7	11		6.6	67	71	47	19	13	9.7
17	7.4	6.9	7.7	10	7.0	6.9	72	70	43	17	13	9.7
18	7.2	7.7	7.5	9.3		7.0	80	71	41	41	17	12
19	7.4	8.7	7.4	9.3	7.4	7.4	88	71	40	17	12	9.7
20	8.0	8.5	7.2	9.2		8.0	95	73	38	17	12	12
21	7.7	8.8	7.2	9.0	8.3	8.3	102	75	41	18	12	9.5
22	7.8	8.7	9.7	9.2		9.0	107	77	38	18	18	11
23	7.7	7.8	17	9.2	7.2	10	112	78	36	19	10	9.8
24	7.5	7.5	23	8.5		12	115	80	34	18	18	10
25	7.4	6.8	18	8.8	14	14	106	83	34	18	10	9.8
26	7.4	7.5	18	9.0		16	106	80	33	17	17	9.9
27	7.4	8.3	17	9.2	6.8	15	112	79	32	17	10	9.7
28	7.5	8.7	14	6.9		6.5	102	81	31	31	16	10
29	7.5	8.0	9.8	6.5	6.3	15	97	79	31	16	10	10
30	8.0	7.7	10	7.0		16	92	73	30	30	16	9.9
31	7.8		13	6.5	19		71			16	9.9	
	232.5	229.7	300.6	293.2	196.9	281.9	1,925	4,535	1,364	634	375.6	292.5

MEAN	7.50	7.66	9.70	9.46	6.79	9.09	64.2	81.8	45.5	20.5	12.1	9.75
AGGREGATE	461	456	596	582	391	559	3,820	5,030	2,710	1,260	745	580

Plate No. 28

23.7

17,190

MEAN

391

582

596

456

7.66

9.70

9.46

6.79

559

3,820

5,030

2,710

1,260

745

12.1

9.75

45.5

81.8

64.2

1,925

4,535

1,364

634

375.6

292.5

293.2

196.9

281.9

1,925

4,535

1,364

634

375.6

292.5

293.2

196.9

281.9

1,925

4,535

1,364

634

375.6

292.5

293.2

196.9

281.9

1,925

4,535

1,364

634

375.6

292.5

293.2

196.9

281.9

1,925

4,535

1,364

634

375.6

292.5

293.2

196.9

281.9

1,925

4,535

1,364

634

375.6

292.5

293.2

196.9

281.9

1,925

4,535

1,364

634

375.6

292.5

293.2

196.9

281.9

1,925

4,535

1,364

634

375.6

292.5

293.2

196.9

281.9

1,925

4,535

1,364

634

375.6

292.5

293.2

196.9

281.9

1,925

4,535

1,364

634

375.6

292.5

293.2

196.9

281.9

1,925

4,535

1,364

634

375.6

292.5

293.2

196.9

281.9

1,925

4,535

1,364

634

375.6

292.5

293.2

196.9

281.9

1,925

4,535

1,364

634

375.6

292.5

293.2

196.9

281.9

1,925

4,535

1,364

634

375.6

292.5

293.2

196.9

281.9

1,925

4,535

1,364

634

375.6

292.5

293.2

196.9

281.9

1,925

4,535

1,364

634



Change in contents in thousands of acre-ft of

near Lake at Lifton near St. Charles, Idaho

for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	616.5	617.2	608.0	629.0	676.3	691.5	720.3	825.7	939.8	996.8	923.4	847.8
2	615.2	617.2	608.7	630.0	676.7	691.5	733.9	829.0	944.6	996.1	971.3	846.5
3	614.6	617.2	608.7	632.9	678.3	692.1	736.6	831.1	948.7	994.1	918.6	845.1
4	614.6	617.2	609.4	634.9	678.9	692.8	738.6	836.4	952.8	992.0	915.2	844.4
5	614.6	617.2	609.4	636.2	679.6	694.1	746.0	841.1	956.9	989.9	912.5	842.4
6	614.6	617.2	610.0	638.8	680.2	694.8	757.4	846.5	961.7	985.5	909.8	839.8
7	613.9	617.2	610.0	640.8	680.9	695.4	764.0	847.8	966.5	983.0	906.4	837.8
8	613.9	617.2	610.0	642.1	681.6	696.1	767.4	853.2	971.3	981.6	903.7	835.7
9	613.2	617.2	610.0	644.0	681.6	696.1	769.4	856.6	976.1	980.3	900.9	834.4
10	612.6	615.9	610.0	645.4	682.2	696.7	771.4	860.0	980.3	978.9	897.5	833.1
11	612.6	615.9	610.0	646.7	682.9	696.7	774.1	864.8	984.4	976.8	894.7	831.7
12	612.6	614.6	610.6	648.0	682.9	697.4	777.4	868.9	988.5	974.7	892.0	830.4
13	612.6	613.2	610.6	650.0	683.5	698.1	780.1	875.0	991.3	973.4	889.3	829.0
14	612.6	612.6	611.3	651.2	684.2	698.1	782.1	877.0	994.1	970.6	887.2	828.4
15	612.6	612.6	612.0	652.6	684.2	698.7	784.2	880.4	994.8	966.5	885.2	827.0
16	612.6	612.0	612.6	654.5	684.9	699.4	786.8	882.8	995.4	962.4	882.2	825.7
17	613.2	610.6	612.6	655.8	685.5	699.4	789.5	887.2	995.4	959.0	881.1	824.4
18	613.2	609.4	613.2	657.1	685.5	700.0	792.2	890.6	995.4	955.5	879.8	822.0
19	612.2	608.0	613.9	658.5	686.2	700.7	794.2	893.4	996.1	952.8	877.7	821.7
20	613.9	608.0	613.9	660.4	686.2	701.4	796.2	896.4	996.1	950.1	875.7	820.3
21	613.9	608.0	614.6	661.8	686.8	702.0	798.2	898.2	996.8	946.6	873.2	819.0
22	614.6	608.0	615.2	663.1	687.5	702.7	800.2	893.7	996.8	944.6	871.6	817.6
23	614.6	608.0	615.9	665.1	687.5	702.7	802.9	897.7	996.8	941.8	869.6	816.3
24	615.2	608.0	616.5	666.4	688.2	704.7	806.6	910.5	997.5	939.8	867.5	814.3
25	615.2	608.0	617.2	667.7	688.8	706.0	809.6	912.2	998.2	937.1	865.5	813.0
26	615.2	608.0	617.8	669.0	689.5	706.6	811.6	915.0	998.2	935.0	863.4	811.6
27	615.2	608.0	619.2	670.3	689.5	708.0	813.6	918.3	998.9	933.7	860.7	810.3
28	615.2	608.0	621.1	671.7	690.1	710.0	815.6	920.0	998.0	931.6	858.0	808.9
29	615.9	608.0	622.1	673.0	690.8	713.2	818.3	925.5	998.9	930.2	855.2	808.9
30	616.5	608.0	625.0	674.3	691.3	716.0	822.3	930.3	998.2	928.2	852.6	805.6
31	617.2	608.0	627.0	675.6	692.0	724.0	825.0	935.0	998.2	926.2	849.2	

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

1955	-20.5	-155	1309	1790	1264	1510	11,650	11,820	11,060	-1,170	-1,250	-733
1956	20.5	155	1309	1790	1264	1510	11,650	11,820	11,060	-1,170	-1,250	-733
Equivalent discharge in cfs							198.3	112.7	163.2	-72.0	-77.0	-43.6
Max. Contents	998.9	June 27-29.										

Plate No. 29

257

186.4



Daily discharge, in second-feet, of

Bear Lake outlet canal near Paris, Idaho

for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	432	18	14	10	14	14	14	15	15	578	1,030	172
2	434	11	14	10	14	14	14	15	15	592	1,030	198
3	263	4	14	9	14	14	14	15	15	692	1,010	202
4	23	4	14	9	14	14	14	15	15	848	1,010	483
5	23	4	14	9	14	14	14	15	15	897	1,010	753
6	23	4	15	9	14	14	14	15	15	968	1,010	750
7	23	4	15	10	14	14	14	15	15	984	1,000	732
8	22	4	15	10	14	14	14	15	15	980	993	741
9	22	4	15	11	14	14	14	15	15	1,010	993	729
10	22	4	15	11	14	14	14	15	15	1,110	987	724
11	21	4	15	12	14	14	14	15	15	1,130	929	657
12	21	4	15	12	14	14	14	15	15	1,130	854	412
13	20	4	15	12	14	14	14	15	15	1,120	854	258
14	20	4	14	13	14	14	14	15	15	1,130	854	217
15	20	410	14	13	14	14	14	15	15	1,110	869	219
16	20	786	14	14	14	14	14	15	15	1,110	826	228
17	20	807	14	14	14	14	14	15	15	1,150	762	217
18	19	807	14	14	14	14	14	15	15	1,190	718	202
19	19	280	14	14	14	14	14	15	15	1,200	675	207
20	19	14	14	14	14	14	14	15	15	1,190	686	214
21	19	14	14	14	14	14	14	201	430	1,190	677	214
22	19	14	14	14	14	14	14	479	430	1,190	732	212
23	18	14	13	14	14	14	14	479	430	1,130	786	214
24	18	14	13	14	14	14	14	516	414	1,050	783	219
25	18	14	13	14	14	14	330	241	411	1,010	786	222
26	18	14	12	14	14	14	682	15	446	952	768	222
27	18	14	12	14	14	14	276	15	534	980	771	224
28	18	14	12	14	14	14	15	15	581	993	795	226
29	18	14	11	14	14	14	15	15	595	1,010	756	228
30	18	14	11	14	14	14	15	15	586	1,040	706	231
31	18	14	10	14	14	14	15	15	1,030	1,030	453	
1,686		3,321	424	384	406	434	1,609	2,206	9,449	31,694	26,113	10,527

Max. L. Disch.	56.4	111	13.7	12.4	14.0	14.0	55.6	70.4	315	1,022	842	351
Accum. Disch.	3,340	6,590	841	762	805	861	3,190	4,570	18,740	62,860	51,790	20,880

Max. Disch. 1,210 cfs, July 15.

Year Mean 241  
 1956 175.200

Plate No. 30



Daily discharge, in second-feet, of Georgetown Crank near Georgetown, Idaho, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					23	23	24	41	59	45	36	34
2					23	23	24	41	58	44	35	34
3		27		24	23	23	23	42	57	44	35	34
4			24		23	23	23	42	56	44	35	33
5					23	23	23	44	54	43	35	33
6					23	23	23	46	53	43	35	33
7				23	23	23	23	48	52	42	35	33
8		26		23	23	23	24	49	51	42	35	34
9				23	23	23	24	52	52	41	35	34
10			25	23	23	23	24	53	53	40	35	34
11				23	23	23	24	54	52	40	35	34
12				23	23	23	24	52	51	39	35	34
13				24	23	23	24	51	51	38	35	34
14				24	23	23	24	49	50	37	35	34
15	28	25		24	23	23	24	48	51	37	35	34
16			26	24	23	23	25	47	50	37	35	34
17				24	23	23	25	48	49	37	35	34
18				24	23	23	25	48	48	38	35	34
19				24	23	23	25	50	48	37	35	34
20				24	23	23	27	54	48	37	35	35
21			27	24	23	23	29	59	47	37	35	35
22			29	24	23	23	32	61	46	37	34	35
23			31	24	23	23	34	63	45	37	34	35
24		24	34	24	23	23	35	67	45	37	34	35
25			33	24	23	24	36	68	45	37	34	34
26			31	24	23	24	38	67	45	36	34	34
27			29	24	23	23	39	66	45	36	34	34
28			28	23	23	23	40	65	45	36	34	34
29			25	23	23	23	41	63	45	36	34	34
30			24	23	23	23	41	61	45	36	34	33
31			24	23	24	24	41	60	45	36	34	33
	868	753	817	733	657	716	847	1,659	1,496	1,206	1,076	1,020

Year	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966
Mean	28.0	25.1	26.4	23.6	23.0	23.1	28.2	53.5	49.9	38.9	34.7	34.0
Annual	1,720	1,490	1,620	1,450	1,320	1,420	1,680	3,290	2,970	2,390	2,130	2,020







contents in acre-feet of Soda Reservoir at Alexander, Idaho, for the year ending September 30, 1956.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10,700	11,670	11,610	11,400	11,080	11,030	10,480	10,700	10,890	10,990	10,160	10,700
2	11,340	11,690	11,580	11,490	11,160	11,000	9,870	10,700	11,060	10,650	10,270	10,700
3	11,740	11,690	11,510	11,490	11,190	11,160	9,240	10,700	11,130	9,840	10,470	10,670
4	11,610	11,690	11,540	11,550	11,290	11,070	8,630	10,840	10,870	9,550	10,220	9,830
5	11,190	11,710	11,550	11,360	11,520	10,840	8,650	11,080	10,700	9,120	10,630	9,040
6	10,960	11,750	11,580	11,120	11,480	10,630	8,450	11,170	10,377	8,740	10,550	8,690
7	10,750	11,730	11,630	11,500	11,620	10,780	8,600	10,860	9,960	8,790	10,520	8,710
8	10,700	11,730	11,610	11,550	11,380	10,770	8,680	10,700	9,500	8,950	10,660	9,390
9	10,700	11,620	11,590	11,550	11,530	10,780	8,500	10,550	9,400	8,610	10,600	10,200
10	10,520	11,640	11,530	11,590	11,530	10,820	8,850	10,630	9,690	8,410	10,870	10,650
11	10,370	11,610	11,630	11,610	11,500	10,890	9,040	10,550	10,570	8,270	11,510	11,150
12	10,330	11,300	11,530	11,600	11,620	10,570	8,950	10,910	11,170	8,300	11,510	11,690
13	10,260	11,060	11,530	11,490	11,510	10,420	8,620	11,000	11,200	8,300	11,210	11,560
14	10,350	10,700	11,490	11,560	11,380	10,470	8,740	10,760	11,130	8,590	11,130	11,490
15	10,420	9,830	11,000	11,490	11,480	10,310	9,090	10,630	11,050	8,820	11,020	11,600
16	10,500	9,030	11,110	11,340	11,480	10,250	8,740	10,260	11,130	8,740	11,170	11,680
17	10,370	9,210	11,270	11,340	11,430	10,360	8,930	10,100	11,160	8,590	11,410	11,020
18	10,430	10,060	11,550	11,340	11,640	10,700	8,780	10,170	11,060	8,600	11,580	10,870
19	10,480	11,550	11,510	11,390	11,640	10,750	8,660	10,440	11,620	8,850	11,530	10,600
20	10,570	11,850	11,530	11,470	11,470	10,630	8,600	10,600	10,880	9,130	11,210	10,390
21	10,650	11,770	11,480	11,500	11,340	10,630	8,740	9,690	10,750	9,650	10,890	10,310
22	10,760	11,710	11,610	11,500	11,510	10,440	8,870	8,920	10,890	10,170	10,510	9,960
23	10,870	11,520	11,180	11,490	11,380	9,730	8,740	8,820	11,170	10,260	10,220	10,080
24	10,960	11,610	11,290	11,450	11,190	9,980	8,710	9,450	11,390	10,650	10,010	9,940
25	11,140	11,630	11,310	11,540	11,280	10,180	8,590	10,150	11,370	10,550	10,070	9,880
26	11,160	11,630	11,750	11,350	11,320	10,410	9,340	10,840	11,430	10,100	10,700	9,400
27	11,340	11,630	11,520	11,110	11,110	10,220	10,230	11,200	11,210	9,690	10,410	8,940
28	11,890	11,680	11,380	11,160	10,990	10,270	10,700	11,200	11,210	9,470	10,520	8,250
29	11,500	11,680	11,280	11,520	11,150	10,170	11,020	11,160	11,060	9,950	10,770	8,470
30	11,550	11,520	11,140	11,590		10,300	10,830	11,230	11,050	9,970	11,060	8,610
31	11,670		11,290	11,460		10,700		10,950		10,040	10,730	

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

1490	-150	-230	170	-310	-450	130	120	100	-1010	850	-2280
Equivalent mean discharge in cubic feet per second.	2.5	3.7	2.8	5.4	7.3	2.2	2.0	1.7	16.4	13.8	38.3



Daily discharge in cfs at Alexander, Idaho

for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	284	210	284	411	437	367	1,250	851	900	681	1,130	795
2	263	185	261	429	242	317	1,350	752	670	1,000	1,040	994
3	355	190	281	392	257	219	1,300	747	680	1,510	996	384
4	536	187	216	371	232	316	1,200	649	840	1,120	1,240	777
5	458	202	192	512	171	419	891	610	760	1,330	862	853
6	354	179	261	519	292	371	917	763	820	1,350	1,100	1,040
7	324	202	213	171	215	221	689	957	850	1,170	1,120	876
8	224	196	225	318	368	293	661	904	970	1,100	1,010	544
9	251	246	236	301	157	301	802	924	725	1,340	1,090	442
10	316	207	287	298	307	279	517	772	725	1,310	931	625
11	294	227	197	316	300	251	587	915	820	1,340	714	583
12	243	350	297	320	237	434	700	684	830	1,300	1,020	490
13	265	231	261	371	343	369	807	771	845	1,280	1,110	636
14	169	265	226	250	331	272	585	865	720	1,110	1,000	464
15	172	596	409	388	242	383	503	747	665	1,100	1,040	288
16	172	576	179	439	233	338	851	821	570	1,310	901	288
17	279	565	182	942	297	258	601	740	580	1,280	816	689
18	179	402	121	345	198	162	789	615	625	1,260	792	424
19	194	261	245	335	281	255	749	505	575	1,180	868	470
20	175	842	215	333	356	451	721	525	615	1,160	947	456
21	211	625	304	325	337	387	630	1,140	620	1,010	985	379
22	175	327	316	357	194	550	640	1,140	610	995	1,030	518
23	175	376	806	360	366	756	819	1,110	550	1,250	988	284
24	172	229	722	336	385	568	839	765	554	1,020	987	413
25	184	235	658	283	246	609	870	790	651	1,170	873	378
26	213	292	541	405	285	784	649	710	651	1,360	500	590
27	121	298	884	416	385	930	960	715	825	1,350	1,030	583
28	169	276	766	250	339	911	984	1,020	744	1,230	803	709
29	167	304	485	185	223	973	736	1,100	906	888	721	271
30	168	380	519	274		953	928	1,010	898	1,120	704	259
31	152		475	337		989		1,090	1,130		919	
	7,394	9,461	11,264	10,669	8,256	14,686	24,525	25,707	21,734	36,744	29,267	15,932

Month	Discharge	Discharge	Discharge	Discharge	Discharge	Discharge	Discharge	Discharge	Discharge	Discharge	Discharge	Discharge
March	239	315	363	344	285	474	818	829	724	1,185	944	533
Annual Total	14,670	18,770	22,340	21,160	16,180	29,130	48,640	50,990	43,110	72,880	58,050	31,600

Max. Daily Disch. 1,360 cfs, July 26. Yearly Total 189,000 cfs. Max. Daily Disch. 1,360 cfs, July 26. Yearly Total 189,000 cfs. Max. Daily Disch. 1,360 cfs, July 26. Yearly Total 189,000 cfs.



Daily discharge, in second-feet, of Bear River below Grace Dam, near Grace, Idaho, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	6	3	4.5	5.7	3.9	2.5	4.7	14.7	15	6.7	3.4
2	4	6	3	5.3	5.6	6.5	3.7	4.3	15	15	8.9	3.6
3	4	6	3	5.3	5.6	12	2.8	4.1	14	15	7.0	3.7
4	4	6	3	5.1	5.6	11	2.8	3.7	15	15	7.0	3.6
5	4	6	3	4.7	5.5	9.1	2.4	4.1	21	15	8.9	3.9
6	5	6	3	4.3	5.5	5.0	2.2	3.4	22	15	7.3	3.9
7	5	6	3	4.3	5.5	8.0	2.6	10	23	12	10	3.7
8	5	6	3	4.3	5.4	4.3	2.5	29	24	12	7.9	3.9
9	5	4	3	4.9	5.4	12	2.5	27	25	12	7.6	4.3
10	5	3	3	6.5	5.4	4.7	2.6	36	24	13	7.3	4.3
11	5	3	3	4.9	5.3	6.9	2.8	44	24	8.5	7.6	4.3
12	5	2	4	3.9	5.3	7.2	4.3	45	25	3.6	7.3	4.3
13	5	2	5	4.8	5.3	7.6	3.1	43	25	3.7	6.7	4.5
14	5	3	5	4.7	5.3	5.0	3.1	42	25	4.1	6.7	4.3
15	5	3	7	4.6	5.2	5.2	5.1	42	27	4.3	5.5	4.5
16	5	4	6	4.6	5.2	3.2	3.0	41	27	4.5	5.5	4.5
17	5	4	5	4.5	5.2	3.0	3.4	41	27	4.7	5.1	4.5
18	5	4	5	4.4	5.1	4.9	3.2	42	27	4.5	4.7	4.9
19	5	4	5	4.3	5.1	2.8	3.2	42	27	4.7	4.3	6.8
20	5	4	6	4.3	5.4	2.8	3.4	41	28	4.7	4.1	8.6
21	5	4	6	3.1	5.7	3.4	3.6	39	29	5.1	4.1	6.0
22	5	4	6	3.1	6.0	3.7	3.4	38	29	5.1	4.3	5.3
23	5	4	5	3.1	6.3	2.5	3.7	38	29	5.5	4.1	4.9
24	5	4	5	3.1	6.5	3.1	3.9	39	29	5.1	3.9	5.1
25	5	4	5	4.1	6.1	3.2	4.5	39	28	5.1	3.9	5.7
26	5	4	6	3.1	5.7	3.1	4.5	38	28	5.3	3.6	5.5
27	5	4	6	11	5.3	4.1	4.3	38	28	6.0	3.6	5.1
28	5	3	5	3.9	4.9	3.6	4.5	39	21	5.7	3.4	5.1
29	6	3	11	3.7	4.4	3.0	4.3	25	16	6.3	3.6	5.1
30	6	3	6	4.0	4.4	3.6	4.3	14	16	6.7	4.3	5.3
31	6	6	6	5.7		3.2	4.3	14	16	6.3	3.4	
1953	153	123	147	142.1	158.5	161.6	107.2	910.3	712	248.5	178.3	147.6

Year	Max.	Min.	Mean	Max. Disch., 71 cfs	Disch. 27.
1956	4.9	4.1	4.7	4.58	5.47
1955	303	244	292	282	314
1954			203	1,810	1,110
1953			341	29.4	23.7
1952			8.02	8.02	5.75
1951			493	493	354
1950			283		283

U. S. GOVERNMENT PRINTING OFFICE: 1956 Max. Disch., 71 cfs Oct. 27. YEAR OR MONTH OR QUARTER YEAR MEAN AVERAGE 8.69 FLATE NO. 35



Daily discharge, in acre-feet, of Cottonwood Creek near Cleveland, Idaho, for the year ending September 30, 1956

1956

DAY	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.0	3.5	11	14	12	14	128	115	34	3.2	5.2	3.3
2	1.7	4.0	9.5	15	12	13	98	111	31	3.2	5.0	3.4
3	1.6	4.5	9.9	10	14	14	85	106	28	5.0	4.8	3.5
4	1.5	5.0	9.0	12	12	14	81	113	26	6.0	4.8	3.5
5	1.6	4.7	7.5	14	12	13	88	129	15	6.3	4.6	3.5
6	1.8	4.3	6.6	16	13	13	76	116	14	6.0	5.0	3.0
7	1.8	4.5	6.9	13	13	14	81	111	13	5.7	5.2	2.5
8	2.0	3.6	7.0	14	13	15	94	106	12	5.7	5.3	1.8
9	1.6	4.1	7.2	12	14	14	108	86	11	5.4	5.3	1.7
10	1.7	4.3	8.1	13	14	14	141	86	9.5	5.0	5.2	1.8
11	2.3	5.0	8.8	14	14	14	153	101	8.8	5.0	5.2	1.6
12	2.3	3.2	10	16	16	14	137	85	8.4	5.0	5.2	1.7
13	2.2	3.0	10	18	16	14	151	70	9.5	5.0	5.8	1.8
14	2.3	3.5	9.0	18	16	14	159	60	7.5	4.7	5.7	1.7
15	2.0	2.5	8.5	20	16	14	155	54	7.5	4.3	5.8	1.6
16	2.0	3.0	9.5	38	16	14	180	50	9.5	4.3	6.2	1.6
17	3.6	3.5	10	30	16	14	193	46	8.4	4.1	6.2	1.6
18	5.2	4.5	11	24	16	16	207	45	7.5	4.5	5.8	1.6
19	5.4	4.5	11	23	15	23	214	46	6.3	4.7	5.8	1.7
20	7.7	6.0	12	22	15	26	218	44	6.0	4.5	6.2	2.1
21	3.9	10	12	20	15	33	223	42	6.9	4.7	5.8	2.3
22	5.2	9.1	15	20	15	48	226	42	6.3	5.0	5.8	2.4
23	4.3	8.4	32	19	15	72	221	38	5.7	4.7	5.7	1.9
24	3.6	8.4	73	14	15	115	200	38	5.2	4.5	3.4	1.8
25	3.4	8.0	56	16	15	161	174	41	4.5	4.3	2.8	1.8
26	3.2	8.8	47	16	14	157	185	29	4.3	4.1	2.8	1.7
27	3.2	11	39	18	14	111	182	27	4.0	4.2	2.8	1.7
28	3.6	15	29	17	14	90	163	62	3.9	4.6	2.9	1.7
29	3.6	12	22	16	14	89	141	56	3.9	5.5	2.8	1.8
30	3.5	11	20	14	14	113	124	52	3.4	5.3	2.6	1.8
31	3.5		22	13	14	143		44		5.0	3.0	
93.3		182.9	549.5	539	412	1,433	4,588	2,151	321.0	149.5	148.7	63.9

MEAN	3.01	6.10	17.7	17.4	14.2	46.2	153	69.4	10.7	4.82	4.80	2.13
ACQ.	185	363	1,090	1,070	817	2,840	9,100	4,270	677	297	295	127
YEAR												
MEAN												
ACQ.												
PLATE NO.												



contents in acre-feet of  
Daily discharge

Oneida Reservoir at Oneida, Idaho

for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10,880	10,080	9,840	9,550	9,790	9,600	8,370	8,820	8,900	8,720	7,300	4,800
2	10,830	10,780	9,980	10,030	10,230	9,600	8,640	8,770	8,900	8,500	7,180	5,180
3	10,280	10,830	9,840	9,980	10,130	9,690	9,550	8,770	9,130	7,760	6,980	5,260
4	10,530	10,730	10,030	10,180	9,930	9,790	9,360	8,590	8,820	7,940	5,570	5,080
5	10,780	10,380	9,690	9,930	10,180	9,710	8,720	8,640	8,900	7,640	7,380	5,500
6	10,580	10,980	10,330	9,840	10,230	9,500	9,040	9,180	8,770	7,550	6,440	4,140
7	10,630	10,280	10,780	9,640	10,030	9,550	8,900	9,090	8,770	7,300	6,180	4,590
8	10,630	9,450	10,380	10,180	10,080	9,450	9,370	8,820	9,000	7,760	6,700	4,980
9	10,680	9,220	10,380	10,330	10,080	9,360	9,270	8,820	9,640	7,140	7,020	5,320
10	10,880	9,500	10,230	10,180	10,030	9,450	8,860	9,000	9,790	7,640	6,440	5,220
11	10,930	9,270	10,430	10,080	10,030	9,270	8,370	8,590	8,950	7,550	6,470	5,400
12	10,880	8,590	10,330	10,180	10,080	8,590	8,640	8,680	8,950	7,640	5,600	5,080
13	10,780	9,370	10,230	10,130	10,130	9,270	8,770	8,900	8,950	7,510	4,380	5,260
14	10,730	8,060	9,740	9,890	9,450	9,360	8,770	8,860	9,040	7,340	4,380	5,220
15	10,580	8,640	9,090	9,930	9,790	8,950	9,220	8,920	9,000	8,110	4,620	5,360
16	10,640	9,500	9,320	9,500	9,840	9,270	9,410	9,040	8,860	7,810	4,870	5,360
17	10,780	9,810	9,980	9,500	9,450	9,500	9,640	9,000	8,900	7,680	5,040	5,260
18	10,530	9,130	10,380	9,600	9,920	9,640	9,000	9,600	9,090	7,680	5,040	5,040
19	10,080	9,320	9,600	9,690	10,330	9,320	8,770	9,640	9,000	9,760	5,080	4,900
20	10,530	9,880	9,740	9,690	9,600	9,130	8,590	9,790	8,860	7,720	5,040	5,080
21	10,630	9,600	9,690	9,640	10,080	9,500	8,590	8,500	9,040	6,940	4,730	5,220
22	10,280	9,550	9,930	10,130	10,070	8,370	8,860	8,240	9,000	8,240	4,980	5,040
23	10,680	9,360	9,270	10,130	9,740	9,060	8,950	9,000	8,900	7,760	4,870	5,080
24	10,580	9,930	9,130	9,980	9,640	8,370	8,860	9,000	9,040	8,410	4,560	5,260
25	10,780	9,880	9,130	10,030	9,880	8,680	8,720	9,180	9,040	7,470	5,010	5,260
26	10,780	9,880	9,690	9,740	10,030	7,430	8,860	9,120	9,000	7,220	4,870	5,150
27	10,380	9,880	9,840	9,880	10,080	8,110	8,500	9,690	8,460	7,680	4,560	4,760
28	10,230	10,080	9,450	9,840	10,080	8,060	8,610	8,720	8,950	7,940	4,520	4,940
29	10,580	10,230	9,640	10,280	9,790	8,410	8,500	8,680	8,900	7,890	4,870	5,120
30	10,780	10,130	9,090	10,030		8,460	8,860	8,550	8,410	8,110	4,980	5,260
31	10,930		9,130	10,080		8,370		9,120		8,020	4,820	

Change in contents from last of month to last of month

1	+750	-800	-1000	+950	-290	-1420	+490	+270	-720	-390	-3400	+640
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												

U. S. GOVERNMENT PRINTING OFFICE 16-50842-1



Daily discharge, in second-feet, of **Bear River below Utah Power & Light Co.'s tailrace, at Oneida, Idaho**, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	290	700	714	545	568	512	1,580	1,260	901	502	1,290	879
2	338	74	460	449	317	541	1,570	1,170	647	712	962	575
3	573	304	534	735	462	396	1,230	1,060	318	1,130	993	390
4	476	379	391	530	522	369	1,650	1,050	586	928	1,480	602
5	561	499	586	747	310	543	1,530	950	504	993	172	1,020
6	513	122	160	785	356	638	1,090	738	485	1,080	1,190	1,160
7	460	644	468	821	530	454	1,180	1,220	476	1,120	1,020	790
8	479	751	364	179	385	458	761	1,310	421	686	715	639
9	380	518	474	514	504	508	889	1,170	290	1,200	720	363
10	330	280	406	533	370	417	1,400	1,090	286	839	1,130	558
11	468	499	394	563	447	513	1,130	1,190	738	1,020	747	557
12	462	682	451	539	483	720	836	1,070	411	1,010	989	730
13	466	187	535	610	469	472	1,050	874	433	1,120	1,500	523
14	433	1,000	653	688	709	298	1,100	1,120	399	1,050	965	672
15	416	323	678	544	371	619	742	937	457	480	830	403
16	343	151	519	1,020	341	373	1,070	811	501	1,010	792	369
17	314	611	121	738	638	394	1,010	972	342	805	759	449
18	495	993	207	482	262	360	1,380	422	311	1,280	669	790
19	583	505	690	538	233	552	1,430	488	470	1,020	765	549
20	166	517	384	550	781	575	1,190	358	485	1,040	895	418
21	304	1,330	446	589	334	579	1,090	1,110	353	1,290	985	478
22	527	697	529	338	502	1,220	996	1,110	450	294	877	552
23	88	645	1,220	587	593	1,220	1,110	592	429	1,050	969	519
24	474	310	1,550	653	577	1,050	1,290	817	320	679	1,070	307
25	294	491	1,280	493	445	970	1,330	500	357	1,200	742	448
26	316	493	771	644	350	1,690	1,180	550	465	1,120	820	555
27	546	528	1,140	577	463	925	1,240	785	644	1,050	692	819
28	395	468	1,300	614	568	1,290	1,270	1,040	429	989	581	631
29	183	450	908	166	584	1,120	1,320	958	536	996	594	668
30	247	557	1,000	435		1,320	973	791	848	696	722	312
31	269		782	381		1,300		720		1,010	891	
	12,189	15,708	20,225	17,587	13,564	22,486	35,617	27,634	14,298	29,509	27,926	17,722

Year	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966
Max. Daily Disch.	393	524	652	567	468	725	1,197	801	477	952	901	591
Avg. Daily Disch.	24,180	31,160	40,120	34,880	26,900	44,600	70,650	54,810	28,360	58,530	55,390	35,150

Max. Daily Disch. 1,690 cfs, Mar. 26, 1956. Yearly Total 3,000,000. Plate No. 38

Scale: 1 inch = 100 feet. Contour Interval: 50 feet.



Daily air temperature, in second-foot, of Mink Creek below Dry Fork near Mink Creek, Idaho for the year ending September 30, 1956.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	24	34	34	44	35	30	77	154	392	78	34	20
2	27	33	34	42	34	30	74	152	396	74	34	24
3	29	33	34	40	35	31	70	156	380	71	34	23
4	29	33	33	40	35	31	66	174	360	67	33	24
5	29	33	32	39	34	31	63	216	344	64	30	24
6	29	33	33	38	34	31	58	233	321	63	29	23
7	28	32	32	38	34	30	57	236	270	63	28	23
8	35	31	32	36	34	30	57	253	240	59	29	22
9	37	31	32	36	34	31	59	286	240	56	28	23
10	37	31	31	35	33	30	66	305	235	55	28	23
11	38	31	31	34	34	30	73	290	230	54	27	24
12	37	31	31	34	34	30	77	253	220	53	29	24
13	38	32	31	35	34	30	81	230	210	50	28	23
14	34	32	31	35	34	30	87	201	200	46	26	22
15	35	31	31	39	33	30	90	187	184	44	24	22
16	33	31	31	49	33	30	94	179	170	42	24	20
17	30	32	31	44	33	30	98	182	156	40	25	20
18	31	32	30	44	32	31	102	207	143	41	24	21
19	35	32	30	43	31	34	110	260	135	37	24	20
20	37	33	30	42	31	40	118	327	130	39	25	21
21	36	35	30	41	30	47	132	380	123	38	26	21
22	36	34	40	40	30	56	156	408	116	36	26	23
23	35	33	59	40	31	64	160	420	110	36	26	22
24	35	32	82	40	30	74	167	462	105	36	26	21
25	35	32	72	59	30	84	162	484	99	36	26	20
26	34	34	70	40	30	87	165	488	97	38	26	20
27	34	37	65	39	30	81	198	475	90	39	28	21
28	34	35	57	38	30	74	190	475	84	36	24	21
29	34	34	51	37	30	70	174	454	83	37	23	21
30	34	34	48	37	30	71	162	450	81	35	22	22
31	34	34	46	36	36	74	162	388	81	34	21	22
	<b>1,033</b>	<b>981</b>	<b>1,254</b>	<b>1,214</b>	<b>942</b>	<b>1,402</b>	<b>3,245</b>	<b>9,375</b>	<b>5,944</b>	<b>1,497</b>	<b>837</b>	<b>659</b>

MEAN 48.3  
ACRE-FOOT 2,970  
1,660  
1,310

MEAN 77.5  
ACRE-FOOT 56,320

PLATE NO. 39



Daily discharge, in second-feet, of **Bear River near Preston, Idaho**, for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	251	696	715	545	648	582	1,590	1,180	1,030	386	1,130	725
2	353	171	438	608	270	560	1,600	1,100	790	535	962	485
3	544	290	568	754	664	461	1,350	1,150	499	943	824	266
4	507	403	420	529	596	407	1,680	1,060	643	844	1,280	384
5	527	513	600	802	421	645	1,590	1,190	615	736	251	797
6	723	180	250	846	473	677	1,000	782	583	894	960	1,010
7	451	588	500	785	570	513	1,290	1,300	535	922	933	664
8	418	751	400	310	479	528	956	1,420	339	626	614	514
9	487	520	500	507	614	516	954	1,350	262	958	505	212
10	323	320	500	577	456	434	1,400	1,200	294	534	879	434
11	409	420	420	569	439	535	1,220	1,440	653	826	560	522
12	480	760	475	548	645	309	771	1,260	294	850	924	510
13	464	255	582	609	577	432	1,210	981	354	982	1,120	360
14	420	1,020	668	740	838	330	1,180	1,160	278	921	984	661
15	461	362	673	581	431	535	664	1,100	368	262	719	287
16	286	218	627	1,150	428	331	982	987	348	847	610	298
17	350	584	215	687	698	428	1,210	994	312	675	561	337
18	492	1,060	262	673	325	373	1,380	492	192	1,080	461	647
19	576	585	690	605	329	571	1,410	713	270	948	733	458
20	196	489	400	610	775	463	1,340	603	400	808	727	369
21	227	1,230	452	562	348	614	1,290	1,180	202	1,200	822	410
22	460	857	582	464	624	1,070	1,150	1,420	272	367	704	484
23	279	561	1,360	608	623	1,300	1,180	742	376	753	823	335
24	389	357	1,650	752	677	1,100	1,520	1,010	189	588	847	358
25	296	432	1,680	557	462	1,220	1,350	840	214	1,040	635	350
26	393	563	1,020	674	402	1,720	1,370	575	282	1,210	598	499
27	477	550	1,160	584	569	1,090	1,450	654	602	964	584	764
28	441	485	1,450	701	576	1,380	1,390	1,200	203	650	734	552
29	189	472	985	278	665	1,380	1,580	1,350	375	961	494	593
30	262	573	1,090	513		1,330	1,170	1,040	611	714	377	268
31	256		984	437		1,470		1,120		809	991	
12,387	16,265	22,316	19,165	15,622	23,804	38,227	32,593	24,833	23,346	14,553		

MEAN	ACRE-	FEET	MEAN	ACRE-	FEET	MEAN	ACRE-	FEET
400	542	720	618	539	768	1,274	1,051	801
24,570	32,260	44,260	38,010	30,990	47,210	75,820	64,650	49,260
						413	24,570	46,310
								28,870

U. S. GOVERNMENT PRINTING OFFICE 16: 5090-1



for the year ending September 30, 1956

**Cub River near Preston, Idaho**

Daily discharge, in second-feet, of

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	26	23	22	31	24	20	61	145	539	108	51	35
2	25	23	21	30	22	20	56	145	516	105	51	35
3	24	22	21	28	23	20	52	157	502	100	50	35
4	24	22	21	28	23	20	48	196	475	97	49	35
5	24	22	21	28	22	20	46	255	453	94	49	35
6	25	22	21	27	22	20	44	275	414	92	48	34
7	25	22	21	26	22	20	44	279	360	90	49	33
8	25	22	21	26	22	20	46	304	332	88	48	32
9	25	22	21	25	22	20	50	349	329	84	48	32
10	25	22	21	25	22	20	58	381	325	82	48	32
11	26	22	21	24	22	20	67	319	321	80	47	32
12	26	22	21	24	22	20	73	268	306	77	46	32
13	26	22	21	25	22	20	73	231	288	75	45	32
14	25	22	21	26	22	20	79	199	277	74	45	31
15	25	22	21	33	21	20	79	175	253	71	44	31
16	26	21	21	62	21	19	84	173	242	68	44	31
17	24	22	21	44	21	20	89	190	216	67	43	31
18	24	22	21	38	21	20	97	241	194	66	42	30
19	26	21	20	36	21	23	112	349	186	64	42	30
20	26	21	20	34	20	30	145	506	178	62	41	30
21	24	23	21	32	20	37	178	520	170	62	41	30
22	24	22	28	31	20	44	205	534	158	60	40	30
23	24	21	58	31	20	53	205	566	147	58	39	30
24	24	21	70	28	20	63	211	629	143	58	39	29
25	24	21	61	28	20	72	202	652	139	57	38	28
26	24	21	52	28	20	70	199	642	133	56	38	28
27	24	24	48	28	20	58	234	623	127	54	37	28
28	24	22	40	26	20	53	224	604	124	53	37	29
29	24	22	37	26	20	49	196	585	118	53	37	29
30	23	21	34	26	20	52	162	543	115	52	36	28
31	23	21	34	25	20	58	529	529	52	52	36	28
	765	656	903	929	617	1,021	3,416	11,564	8,090	2,259	1,348	937

MAX	24.7	21.9	29.1	30.0	21.3	32.9	114	373	270	72.9	43.5	31.2
ACCU- MUL.	1,520	1,300	1,790	1,810	1,220	2,030	6,780	22,910	16,050	4,480	2,670	1,860

Plate No. 41

YEAR 88.8  
MUN 64,480  
ACCU-FERT



for the year ending September 30, 19 56

Daily discharges, in second-feet, of Little Bear River near Paradise, Utah

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	26	38	58	134	95	70	250	254	134	30	20	16
2	26	43	59	120	88	73	216	230	125	30	20	16
3	28	43	55	107	81	84	198	234	115	29	20	16
4	28	46	52	102	80	96	195	242	107	26	20	14
5	28	45	42	98	85	96	220	254	86	26	18	15
6	29	43	53	90	85	79	186	246	75	26	18	15
7	28	41	50	86	88	73	198	246	69	25	17	14
8	26	41	41	79	86	83	226	280	58	25	16	16
9	26	41	52	65	85	88	230	238	61	24	15	16
10	23	45	49	70	85	92	279	238	58	25	16	15
11	24	52	48	65	83	81	292	266	53	24	16	18
12	25	46	50	65	84	73	270	288	46	24	16	17
13	28	41	53	69	84	86	279	258	41	23	16	17
14	28	53	45	72	81	88	270	254	40	23	16	16
15	30	35	45	198	77	83	266	242	38	21	17	16
16	31	38	49	456	73	84	335	230	49	20	16	17
17	31	41	50	155	75	94	350	220	45	20	16	17
18	31	43	50	132	75	113	370	226	45	21	17	17
19	34	48	52	125	70	165	395	234	43	23	16	17
20	40	56	55	122	72	198	390	242	41	21	17	15
21	40	71	55	115	72	223	390	238	40	22	17	16
22	38	64	92	104	72	258	400	230	36	21	17	16
23	36	52	704	122	75	315	380	230	35	20	18	15
24	36	50	669	104	77	325	335	230	37	20	18	16
25	36	50	871	102	73	350	266	223	37	20	18	16
26	36	52	445	98	75	330	274	209	37	20	17	15
27	38	59	370	155	73	250	288	202	34	20	17	15
28	37	56	242	135	72	223	306	189	31	19	18	17
29	37	53	186	120	70	209	310	180	30	21	18	18
30	35	53	160	110	70	209	279	171	30	20	18	18
31	36	53	187	105		246	152	152	30	19	17	18
<b>975</b>	<b>1,439</b>	<b>4,959</b>	<b>3,680</b>	<b>2,291</b>	<b>4,837</b>	<b>8,643</b>	<b>7,146</b>	<b>1,676</b>	<b>708</b>	<b>536</b>	<b>482</b>	

Mean	31.5	48.0	160	119	79.0	156	288	231	55.9	22.8	17.3	16.1
Altitude	2,850	2,850	9,840	7,300	4,540	9,590	17,140	14,170	3,320	1,400	1,060	956
Year	1930	1930	1930	1930	1930	1930	1930	1930	1930	1930	1930	1930
Year	1930	1930	1930	1930	1930	1930	1930	1930	1930	1930	1930	1930
Mean	102	102	102	102	102	102	102	102	102	102	102	102
Acute-Four	74,100	74,100	74,100	74,100	74,100	74,100	74,100	74,100	74,100	74,100	74,100	74,100
Plate No.	47	47	47	47	47	47	47	47	47	47	47	47







for the year ending September 30, 19 56

Little Bear River near Hyrum, Utah

Daily discharge, in second-feet, of

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.7	0.6	2.3	212	105	72	280	310	68	2.7	1.3	1.2
2	.8	.6	2.1	179	97	73	259	296	54	2.7	1.3	1.0
3	2.7	.6	2.1	155	94	75	236	291	45	2.7	1.3	1.0
4	4.1	.4	1.8	137	91	78	217	133	45	2.7	1.3	1.0
5	4.1	.4	1.8	138	93	84	212	109	40	2.9	1.3	1.0
6	3.4	.6	2.1	131	93	84	206	215	37	2.9	1.3	1.0
7	1.6	.6	1.8	117	96	80	196	227	36	3.2	1.8	1.0
8	.3	.6	1.8	110	94	80	198	208	26	3.2	1.3	1.0
9	.2	.6	1.8	80	91	80	192	183	6.7	3.2	1.2	1.0
10	.2	.7	1.8	102	90	82	192	175	5.1	2.7	1.2	1.0
11	.2	.8	1.8	94	90	82	212	210	4.4	3.2	1.2	1.0
12	.3	.8	1.8	90	90	79	219	280	4.1	2.5	1.4	1.0
13	.3	.7	1.8	86	83	79	198	291	2.5	1.8	1.4	1.0
14	.3	1.6	1.8	86	88	79	204	282	2.5	1.6	2.3	1.0
15	1.0	2.3	1.6	101	86	78	210	268	2.5	1.4	2.2	1.0
16	4.1	2.2	1.6	243	84	78	217	243	2.7	1.4	1.8	1.0
17	4.8	2.3	1.6	261	82	78	217	221	3.2	1.6	1.4	1.0
18	4.8	2.3	1.6	221	82	82	328	208	4.6	1.4	2.1	1.0
19	2.7	2.1	1.6	192	80	91	291	210	3.6	1.3	1.4	1.0
20	3.4	1.8	1.6	171	79	114	105	215	3.4	1.3	1.4	1.0
21	3.2	2.1	1.6	153	78	127	27	217	3.4	1.3	1.6	1.0
22	2.9	2.1	1.6	142	75	167	44	200	3.2	1.2	1.6	1.2
23	2.9	1.8	1.3	142	78	208	107	194	3.4	1.2	1.8	1.2
24	2.7	1.8	219	137	80	247	107	177	3.2	1.2	1.6	1.2
25	1.0	1.8	372	129	78	296	129	157	3.2	1.2	1.4	1.3
26	.2	1.8	453	122	76	220	225	144	3.4	1.2	1.3	1.2
27	.2	1.8	450	140	75	193	280	85	4.6	1.2	1.3	1.0
28	.2	2.1	425	148	75	259	365	61	4.1	1.2	1.3	1.0
29	.2	2.1	380	138	73	322	278	85	2.9	1.4	1.6	1.0
30	.2	2.1	328	129		298	342	101	2.9	1.4	1.6	1.0
31	.6		261	117		286		90		1.3	1.4	1.0
	54.3	42.2	2,940.4	4,403	2,481	4,251	6,393	6,086	430.6	60.2	46.5	31.3

MEAN ANNUAL FLOW	1.75	1.41	94.9	142	85.6	137	213	196	14.4	1.94	1.50	1.04
ACRE-FOOT	108	84	5,830	8,730	4,920	8,430	12,680	12,070	854	119	22	62



Day's discharge, in second-feet, of Utah Power & Light Co.'s tailrace near Logan, Utah, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	107	99	96	108	80	84	177	193	190	190	186	132
2	107	93	95	108	78	87	182	191	191	188	182	129
3	107	98	89	108	86	86	175	194	191	188	182	125
4	105	93	83	109	89	86	174	194	190	188	177	118
5	104	93	75	109	92	86	178	193	191	188	174	113
6	103	95	92	109	91	77	172	193	190	188	172	111
7	105	95	90	107	86	77	182	193	191	190	169	111
8	105	93	77	107	81	86	185	191	191	188	169	111
9	104	91	89	104	80	84	54	193	190	190	167	111
10	103	95	86	104	81	83	0	193	190	190	162	111
11	104	102	80	104	83	76	0	193	190	190	161	111
12	104	93	87	102	86	74	39	193	190	190	159	111
13	104	89	89	101	87	79	159	191	191	190	156	111
14	104	103	76	99	86	80	172	193	191	191	154	111
15	103	78	78	108	85	76	172	192	190	191	153	113
16	103	85	84	110	80	81	175	190	188	191	152	113
17	102	92	87	111	81	81	190	191	188	191	152	113
18	103	90	85	111	86	80	198	191	190	190	152	113
19	103	87	86	111	84	84	204	191	191	190	152	113
20	103	90	85	111	86	89	199	191	190	190	152	111
21	103	96	85	110	83	95	199	191	190	188	147	111
22	104	96	91	109	70	98	199	191	190	191	146	111
23	103	87	96	109	86	102	204	191	190	193	141	111
24	102	91	96	108	87	104	206	193	190	190	138	111
25	101	86	96	107	85	104	204	191	190	188	138	113
26	101	92	96	108	86	81	202	190	190	188	133	113
27	102	97	101	108	85	103	199	190	190	188	133	111
28	101	96	109	103	84	114	196	188	188	188	136	111
29	102	89	109	97	85	133	193	191	188	190	136	111
30	98	91	108	101	85	152	193	188	190	190	131	111
31	98	108	108	81	86	164	199	188	190	188	132	111
	3,198	2,775	2,804	3,282	2,439	2,886	4,982	5,937	5,700	5,874	4,794	3,406

MEAN	103	92.5	90.5	106	84.1	93.1	166	192	190	189	155	114
ARITH.	6,340	5,500	5,560	6,510	4,810	5,720	9,880	11,780	11,310	11,650	9,510	6,760

YEAR MEAN 131  
 AUGUST YEAR 95,360  
 PLATE NO. 45



Daily discharges, in second-feet, of Logan, Hyde Park, & Smithfield Canal near Logan, Utah, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.0	2.3	0.4	10	3.4	4.6	0.1	58	83	110	38	31
2	1.5	2.3	.6	10	4.0	2.9	.1	57	88	112	36	31
3	1.8	2.3	.2	9.0	4.6	2.6	.2	56	71	110	36	30
4	1.5	2.3	.2	9.5	4.9	2.6	.2	63	84	105	34	30
5	1.5	2.3	.9	8.6	6.1	2.3	.1	58	87	96	24	30
6	1.8	2.3	1.3	8.6	6.1	2.3	.1	52	81	93	34	30
7	1.6	2.3	1.3	6.5	5.7	2.6	.1	53	85	89	34	30
8	1.6	2.3	1.6	4.6	5.7	2.9	.4	58	91	87	34	30
9	1.6	2.3	1.1	4.6	5.7	2.9	1.3	68	84	79	34	30
10	1.6	2.6	.9	4.3	5.3	1.6	2.6	63	71	78	34	30
11	2.6	9.0	.9	4.0	5.3	1.5	2.3	43	90	76	34	30
12	2.0	3.7	.9	3.7	6.1	1.5	2.3	37	93	68	34	30
13	1.8	3.4	.7	3.7	5.7	1.5	1.6	31	107	64	35	29
14	1.6	4.3	1.1	3.4	5.7	1.6	1.6	30	114	65	35	27
15	1.5	3.7	1.1	6.1	5.3	1.6	1.5	28	98	63	35	25
16	1.5	5.4	.7	9.0	4.9	1.6	1.5	47	79	63	36	24
17	1.5	4.3	.9	8.2	4.9	.7	1.3	66	84	62	35	24
18	1.5	3.7	.7	8.2	4.9	.7	2.6	76	80	61	34	24
19	1.6	2.9	.9	7.8	4.9	.9	9.0	84	85	60	33	24
20	1.9	2.0	.7	7.4	4.9	.6	18	90	68	59	32	24
21	2.0	1.8	.7	5.7	7.8	.7	40	91	66	58	31	24
22	1.8	1.5	.9	4.9	11	.7	57	90	80	57	31	23
23	1.6	.9	13	6.1	6.5	.7	57	89	99	53	33	23
24	1.6	.7	16	4.6	5.7	.6	62	96	105	52	34	22
25	1.6	.9	15	3.7	5.3	.6	61	96	115	51	34	22
26	1.8	.7	14	4.0	5.3	.2	64	94	125	48	33	22
27	2.0	.7	13	6.1	4.9	.4	64	80	129	48	33	22
28	2.0	.6	12	3.4	4.9	.2	57	84	125	43	33	21
29	2.0	.6	12	3.4	4.9	.6	47	69	121	42	32	21
30	2.3	.4	11	3.4	4.9	.2	54	74	115	40	31	21
31	2.3	11	11	3.4		.2	86			37	31	
	55.0	74.5	135.7	185.9	160.4	44.6	610.4	2,067	2,803	2,129	1,047	784

MEAN DISCHARGE	1.77	2.48	4.38	6.00	5.53	1.44	20.3	66.7	93.4	68.7	33.8	26.1
MEAN FLOW	109	148	269	369	316	88	1,210	4,100	5,560	4,220	2,080	1,560

YEAR ENDING SEPTEMBER 30, 1956  
 MEAN DISCHARGE: 27.6  
 MEAN FLOW: 20,030  
 FLATE NO. 46



Daily discharge, in second-feet, of Logan River above State Dam near Logan, Utah, for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	17	14	15	26	17	19	46	205	797	116	16	16
2	16	15	14	25	17	20	29	217	768	102	15	16
3	14	15	14	18	18	21	23	268	774	96	16	19
4	14	13	15	16	18	21	21	327	729	89	16	26
5	15	13	16	16	20	21	23	460	696	89	15	32
6	15	13	15	15	20	21	21	465	670	81	15	31
7	17	13	15	15	20	21	23	493	622	77	15	28
8	15	13	14	14	20	21	38	512	571	71	15	28
9	15	13	14	15	20	22	156	541	566	71	15	27
10	17	15	15	15	21	23	248	551	566	62	15	23
11	17	22	14	14	21	23	275	498	522	60	15	27
12	15	12	15	14	21	22	252	423	498	64	15	26
13	14	12	14	14	21	22	161	360	451	62	15	22
14	15	13	14	14	21	22	156	311	414	52	17	22
15	15	13	14	19	20	23	153	282	418	48	17	25
16	15	15	14	52	20	26	185	262	423	44	17	22
17	15	14	15	26	20	27	197	262	360	40	17	22
18	15	13	15	20	20	26	208	311	319	36	16	21
19	15	16	15	19	20	26	211	437	296	34	16	20
20	17	17	15	17	20	27	258	596	308	28	16	20
21	14	15	14	16	20	28	293	670	296	26	15	19
22	13	15	21	17	27	30	336	702	255	22	15	21
23	14	14	116	18	20	47	340	762	217	21	16	21
24	14	14	336	17	20	67	340	814	202	20	16	18
25	14	14	223	16	19	107	300	938	180	19	16	18
26	13	14	180	16	19	153	315	912	158	18	16	16
27	14	14	140	19	19	109	387	931	140	18	16	17
28	14	14	75	16	19	81	323	906	131	17	18	19
29	14	14	50	16	19	42	275	874	126	17	16	19
30	13	14	30	16	19	36	223	774	123	17	16	17
31	15	14	40	18	14	44	44	757	123	17	16	17
	460	426	1,525	569	577	1,198	5,816	16,821	12,596	1,534	490	658

Mean Daily Discharge	14.8	14.2	49.2	18.4	19.9	38.6	19.4	54.2	420	49.5	15.8	21.9
Total Discharge	912	845	3,020	1,130	1,140	2,380	11,540	33,360	24,980	3,040	972	1,310



Hyde Park & Smithfield Canal near Logan, Utah  
 Daily discharge, in second-feet, of Combined Flow Logan River, Utah Power & Light Co.'s Tailrace, and Logan, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	126	115	111	144	100	108	223	456	1,070	416	240	179
2	124	110	110	113	99	110	211	465	1,050	402	233	176
3	123	115	103	135	109	110	198	518	1,040	394	234	174
4	120	108	98	134	112	110	195	584	1,000	382	227	174
5	120	108	92	134	118	109	201	711	974	373	223	175
6	120	110	108	133	117	100	193	710	941	362	221	172
7	124	110	106	128	112	101	205	739	898	356	218	169
8	122	108	93	126	107	110	223	761	853	346	218	169
9	121	106	104	124	106	109	212	802	840	340	216	168
10	122	113	102	123	107	108	251	807	827	330	211	164
11	124	133	95	122	109	100	277	734	802	326	210	168
12	121	109	103	120	113	98	293	653	781	322	208	167
13	120	104	104	119	114	102	322	582	749	316	206	162
14	121	120	91	116	113	104	330	534	719	308	206	160
15	120	95	93	133	110	101	326	503	706	302	205	163
16	120	105	99	171	105	109	362	499	690	298	205	159
17	118	110	103	145	106	109	388	519	632	293	204	159
18	20	107	101	139	111	107	409	578	589	7	202	158
19	120	106	102	138	109	111	424	712	572	284	201	157
20	122	109	101	135	111	117	475	877	566	277	200	155
21	119	113	100	132	111	124	532	952	552	272	193	154
22	119	112	113	131	108	129	592	983	525	270	192	155
23	119	102	225	133	112	150	601	1,040	506	267	190	155
24	118	106	448	130	113	172	608	1,100	497	262	188	151
25	117	101	334	127	109	212	565	1,220	485	258	188	153
26	116	107	290	128	110	234	581	1,200	473	254	182	151
27	118	112	254	133	109	212	650	1,200	459	254	182	150
28	117	111	196	122	108	195	576	1,180	444	248	187	151
29	118	104	171	116	109	176	515	1,130	435	249	184	151
30	113	105	157	120	109	188	470	1,040	428	247	178	149
31	115	159	159	102	102	208	470	1,030	428	242	179	149
	3,717	3,274	4,466	4,036	3,177	4,133	11,408	24,819	21,103	9,537	6,331	4,848

MEAN Discharge	120	109	144	130	110	133	380	801	703	308	204	162
ACUM. Feet	7,370	6,490	6,860	8,010	6,300	8,200	22,630	49,230	41,860	18,920	12,560	9,620



Daily discharge, in second-feet, of **Blacksmith Fork above Utah Power & Light Co.'s dam, near Hyrum, Utah**, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	75	76	75	115	95	86	206	336	239	155	127	113
2	75	74	76	112	95	87	188	331	231	152	124	111
3	75	74	76	105	100	87	174	336	223	152	124	111
4	74	74	74	105	105	87	169	355	21	150	124	111
5	75	74	74	103	105	89	186	382	213	150	122	109
6	75	72	75	100	105	89	167	364	206	147	122	111
7	75	72	74	98	100	87	174	358	198	147	122	109
8	75	72	72	98	95	87	191	345	186	147	122	109
9	75	72	75	103	92	87	200	342	186	145	122	109
10	75	74	75	98	92	87	239	339	181	143	122	107
11	75	81	75	94	94	87	313	364	181	142	122	107
12	75	74	72	90	96	87	331	361	179	143	120	107
13	75	70	72	90	100	87	345	323	176	143	120	104
14	75	78	72	92	100	89	342	300	171	143	122	104
15	75	55	72	115	98	87	328	284	176	140	122	104
16	75	60	72	217	97	90	393	274	183	140	122	104
17	74	70	74	150	87	90	407	274	176	138	122	104
18	74	75	74	134	95	90	460	279	171	138	120	104
19	75	75	74	126	92	94	480	294	169	138	120	102
20	75	75	74	125	90	107	489	310	169	136	120	104
21	76	76	74	119	89	121	495	310	167	134	118	104
22	76	75	76	117	87	144	509	307	164	131	115	104
23	76	74	190	123	87	179	498	302	164	131	115	104
24	82	72	339	114	89	206	483	300	162	131	115	104
25	80	70	313	114	86	232	457	300	159	131	113	104
26	80	70	232	114	86	241	443	287	157	129	113	104
27	78	74	195	132	87	201	454	279	157	127	115	100
28	78	74	162	123	81	173	415	289	157	129	115	102
29	76	74	138	115	87	166	385	284	155	131	115	102
30	76	75	126	117		184	353	266	155	131	113	102
31	76		123	110		206		249		129	113	
	2,351	2,181	3,445	3,568	2,712	3,834	10,274	9,724	5,429	4,324	3,701	3,174

MEAN DAILY DISCH.	75.8	72.7	111	115	93.5	124	342	314	181	139	119	106
TOTAL	4,660	4,330	6,830	7,080	5,380	7,600	20,380	19,290	10,770	8,580	7,340	6,300

U. S. GOVERNMENT PRINTING OFFICE 16-80041-1  
 YEAR 1956  
 MEAN DISCHARGE PER YEAR 150  
 TOTAL DISCHARGE PER YEAR 108,500  
 PLATE NO. 49



Daily discharge, in second-feet, of Hammond (East Side) Canal near Collinston, Utah for the year ending September 30, 19 56.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	72	13					0	50	150	171	158	129
2	72	4.7					0	57	149	172	158	129
3	66	0					0	75	149	170	157	129
4	60	0					0	79	147	170	157	127
5	60	0					0	65	140	167	157	124
6	60	0					0	48	140	165	157	118
7	61	0					0	55	140	165	158	119
8	61	0					0	78	140	167	159	118
9	61	0					0	87	136	168	160	119
10	61	0					0	86	135	168	160	118
11	61	0					0	63	136	168	160	118
12	61	0					0	38	146	169	159	118
13	61	0					0	38	152	171	160	113
14	61	0					0	38	152	172	161	112
15	61	0					0	38	158	168	161	109
16	62	0					0	38	159	169	161	106
17	52	0					0	52	165	165	161	105
18	34	0					0	64	166	162	161	106
19	35	0					0	70	165	162	161	107
20	35	0					0	106	165	161	160	107
21	26	0					0	129	165	158	160	107
22	26	0					0	136	165	158	159	106
23	26	0					0	137	165	158	158	104
24	23	0					0	139	165	153	152	106
25	21	0					64	141	165	149	150	102
26	20	0					67	155	156	149	150	97
27	16	0					68	168	165	149	149	97
28	15	0					50	161	172	149	149	93
29	14	0					31	152	171	149	147	89
30	14	0					38	152	171	152	140	90
31	14	0					152	152	171	157	132	
	1,372	17.7	0	0	0	0	318	2,847	4,644	5,031	4,832	3,322

MEAN	44.3	0	0	0	0	0	10.6	91.8	155	162	156	111
ACRE-FOOT	2,720	35	0	0	0	0	631	5,650	9,210	9,980	9,580	6,590



Daily discharge, in second-feet, of West Side Canal near Collinston, Utah for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	308	126	31	19				221	641	718	595	602
2	309	125	31	19				272	641	713	595	602
3	285	125	31	18				323	639	713	595	602
4	256	124	31	19				343	622	713	604	602
5	251	121	31	19				290	606	699	630	595
6	252	121	31	19				287	624	695	661	589
7	249	117	31	19				290	644	686	677	589
8	251	105	31	19				333	628	670	674	582
9	251	103	31	19				384	615	674	677	580
10	251	103	30	19		17		379	617	679	679	574
11	249	103	30	19				298	646	697	681	562
12	251	102	27	19				374	688	677	706	547
13	249	102	24	19				376	725	695	688	528
14	249	102	23	19				374	720	697	688	528
15	249	102	23	19				374	722	699	720	514
16	249	102	22	19				388	720	697	697	506
17	231	101	22	20				293	718	683	690	504
18	203	87	22	20				340	716	672	688	506
19	213	65	22	20				359	725	657	690	508
20	213	65	22	20				458	732	646	692	510
21	188	64	22	20				532	727	630	690	508
22	169	64	22	20				602	727	635	692	508
23	164	64	22	20		10		655	725	628	683	508
24	156	64	21	20		0		679	722	600	661	498
25	149	64	20	20		0		672	722	589	661	490
26	151	64	21	20		0		666	720	585	641	492
27	151	62	20	20		0		677	718	572	644	490
28	151	44	20	19		0		644	720	589	644	479
29	151	32	20	18		0		635	722	606	634	462
30	151	31	20	17		0		648	722	630	622	460
31	145		19	17		0		641		624	611	
	6,745	2,654	773	594	493	367	0	13,807	20,614	20,488	20,510	16,025

MEAN ACRES- FEET	218	88.5	24.9	19.2	17	11.8	0	44.5	687	661	662	534
TOTAL	13,380	5,260	1,530	1,180	978	728	0	27,390	40,890	40,640	40,680	31,790







Daily discharge, in second-feet, of Bear River near Corinne, Utah, for the year ending September 30, 19 56.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,050	951	1,330	3,450	1,250	1,500	2,880	3,230	2,600	103	311	139
2	516	1,140	1,280	2,440	1,500	1,550	2,820	3,100	2,560	109	306	198
3	912	605	1,340	2,140	1,000	1,400	2,830	2,710	2,510	104	449	155
4	576	604	1,420	1,980	800	1,450	2,880	2,540	2,220	104	478	150
5	606	1,050	1,350	1,680	1,250	1,550	2,510	2,370	2,310	104	1,080	152
6	403	1,170	1,420	1,850	1,000	2,400	2,650	2,540	2,080	104	402	169
7	664	722	918	1,970	1,100	2,100	2,770	2,590	1,860	151	198	312
8	980	1,060	1,140	1,910	1,200	1,600	2,910	2,620	1,190	132	167	297
9	751	1,120	1,250	1,820	1,600	1,600	2,820	2,660	1,310	110	196	205
10	595	951	1,400	1,740	1,300	1,400	2,660	2,820	406	104	156	154
11	783	601	1,110	1,580	1,200	2,100	2,110	2,840	170	104	156	152
12	610	1,100	815	1,420	1,550	2,000	1,960	3,150	172	120	136	239
13	725	1,440	1,020	1,480	1,700	1,950	2,240	3,100	151	124	125	200
14	684	786	1,270	1,530	1,650	1,850	2,810	3,470	132	115	118	203
15	910	1,540	1,350	1,690	1,500	1,450	2,670	3,340	136	113	119	227
16	754	1,150	1,450	2,120	1,450	1,650	2,660	3,170	161	113	116	215
17	597	1,250	1,350	2,680	1,500	1,450	2,480	2,960	191	105	250	333
18	621	700	1,100	2,940	1,800	1,500	2,140	2,590	363	105	315	413
19	682	1,150	912	3,010	1,300	1,700	2,820	2,040	291	105	297	279
20	860	700	1,350	2,750	1,100	1,550	3,050	2,060	272	103	198	167
21	757	1,000	844	2,620	1,600	1,750	3,130	1,980	255	103	140	146
22	848	2,190	1,130	2,270	1,450	2,060	3,120	2,250	152	105	121	144
23	903	1,550	1,580	2,230	1,300	2,520	3,060	1,900	215	107	120	163
24	700	1,610	2,170	1,890	1,600	2,810	2,950	1,690	165	106	134	210
25	726	1,650	2,750	2,340	1,700	2,570	2,010	1,910	132	106	148	229
26	848	1,580	3,280	2,240	1,300	2,680	2,910	2,690	118	101	137	288
27	786	1,050	3,710	2,080	1,350	2,850	2,610	2,840	107	106	139	291
28	640	1,140	3,980	2,290	1,500	2,710	2,120	2,680	106	468	140	486
29	820	1,550	4,120	2,100	1,550	2,960	3,470	2,860	107	146	140	824
30	905	1,360	4,030	1,850	1,550	3,170	3,440	2,800	104	127	136	196
31	879		3,840	1,700		2,920		2,530		130	132	
	23,101	34,470	56,009	65,790	40,100	62,770	83,490	81,920	22,547	3,877	7,060	7,636

Year	Mean	Plate No.
1956	1,335	53
1955	969,500	
1954	1,335	
1953	969,500	
1952	1,335	
1951	969,500	
1950	1,335	
1949	969,500	
1948	1,335	
1947	969,500	
1946	1,335	
1945	969,500	
1944	1,335	
1943	969,500	
1942	1,335	
1941	969,500	
1940	1,335	
1939	969,500	
1938	1,335	
1937	969,500	
1936	1,335	
1935	969,500	
1934	1,335	
1933	969,500	
1932	1,335	
1931	969,500	
1930	1,335	
1929	969,500	
1928	1,335	
1927	969,500	
1926	1,335	
1925	969,500	
1924	1,335	
1923	969,500	
1922	1,335	
1921	969,500	
1920	1,335	
1919	969,500	
1918	1,335	
1917	969,500	
1916	1,335	
1915	969,500	
1914	1,335	
1913	969,500	
1912	1,335	
1911	969,500	
1910	1,335	
1909	969,500	
1908	1,335	
1907	969,500	
1906	1,335	
1905	969,500	
1904	1,335	
1903	969,500	
1902	1,335	
1901	969,500	
1900	1,335	
1899	969,500	
1898	1,335	
1897	969,500	
1896	1,335	
1895	969,500	
1894	1,335	
1893	969,500	
1892	1,335	
1891	969,500	
1890	1,335	
1889	969,500	
1888	1,335	
1887	969,500	
1886	1,335	
1885	969,500	
1884	1,335	
1883	969,500	
1882	1,335	
1881	969,500	
1880	1,335	
1879	969,500	
1878	1,335	
1877	969,500	
1876	1,335	
1875	969,500	
1874	1,335	
1873	969,500	
1872	1,335	
1871	969,500	
1870	1,335	
1869	969,500	
1868	1,335	
1867	969,500	
1866	1,335	
1865	969,500	
1864	1,335	
1863	969,500	
1862	1,335	
1861	969,500	
1860	1,335	
1859	969,500	
1858	1,335	
1857	969,500	
1856	1,335	
1855	969,500	
1854	1,335	
1853	969,500	
1852	1,335	
1851	969,500	
1850	1,335	
1849	969,500	
1848	1,335	
1847	969,500	
1846	1,335	
1845	969,500	
1844	1,335	
1843	969,500	
1842	1,335	
1841	969,500	
1840	1,335	
1839	969,500	
1838	1,335	
1837	969,500	
1836	1,335	
1835	969,500	
1834	1,335	
1833	969,500	
1832	1,335	
1831	969,500	
1830	1,335	
1829	969,500	
1828	1,335	
1827	969,500	
1826	1,335	
1825	969,500	
1824	1,335	
1823	969,500	
1822	1,335	
1821	969,500	
1820	1,335	
1819	969,500	
1818	1,335	
1817	969,500	
1816	1,335	
1815	969,500	
1814	1,335	
1813	969,500	
1812	1,335	
1811	969,500	
1810	1,335	
1809	969,500	
1808	1,335	
1807	969,500	
1806	1,335	
1805	969,500	
1804	1,335	
1803	969,500	
1802	1,335	
1801	969,500	
1800	1,335	

MEAN DISCHARGE IN SECOND-FEET PER DAY



		DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS ABOVE MYERS NARROWS																															TOTAL	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
<b>MAY</b>																																		
WILLIAM DAM FIVE FEET (BEFORE OF FLOW)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WILLIAM DAM FIVE FEET (AFTER OF FLOW)		1.2	1.0	1.2	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
BEAR CANAL		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTAL		1.2	1.0	1.2	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
MAY TOTAL		157.0																																
<b>JUNE</b>																																		
WILLIAM DAM FIVE FEET (BEFORE OF FLOW)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WILLIAM DAM FIVE FEET (AFTER OF FLOW)		2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
BEAR CANAL		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
TOTAL		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	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
JUNE TOTAL		891.6																																
<b>JULY</b>																																		
WILLIAM DAM FIVE FEET (BEFORE OF FLOW)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WILLIAM DAM FIVE FEET (AFTER OF FLOW)		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
BEAR CANAL		1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
TOTAL		2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
JULY TOTAL		1094.3																																

0 Canals diverting to West  
 00 Approximately one-third of the total flow of the Lemmon Canal is used in Millard Flats











DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS FROM MYERS NARROWS TO STATE LINE NEAR WOODRUFF																																		
1956	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		
MAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
JUNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
JULY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
AUGUST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SEPTEMBER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCTOBER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOVEMBER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DECEMBER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\* Includes all small lined diverting across Woodruff Narrows except Inverts East Fort Canal



		DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS FROM MYERS NARROWS TO STATE LINE NEAR WOODRUFF																												TOTAL																											
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30	31	31																							
JUNE 1956		31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	630.0																								
BANDS # 1		16.6	9.5	13	11	20	30	27	24	14	14	20	20	14	14	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	32.5																								
BANDS # 2		15	13	11	10	20	27	25	23	15	15	28	28	20	20	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	32.5																								
CROSS SECTION		17	16	14	13	11	10	9	8	7	6	5	4	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32.5																								
BANDS # 3		18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32.5																							
BANDS # 4		19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	32.5																							
BANDS # 5		20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	32.5																							
BANDS # 6		21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	0	0	0	0	0	0	0	0	0	0	32.5																							
BANDS # 7		22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	0	0	0	0	0	0	0	0	0	32.5																							
BANDS # 8		23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	0	0	0	0	0	0	0	0	32.5																							
BANDS # 9		24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	0	0	0	0	0	0	0	32.5																							
BANDS # 10		25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	0	0	0	0	0	0	32.5																							
BANDS # 11		26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	0	0	0	0	0	32.5																							
BANDS # 12		27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	0	0	0	0	32.5																							
BANDS # 13		28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	0	0	0	32.5																							
BANDS # 14		29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	0	0	32.5																							
BANDS # 15		30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	0	32.5																							
BANDS # 16		31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	32.5																							
BANDS # 17		32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	32.5																						
BANDS # 18		33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	32.5																					
BANDS # 19		34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	32.5																				
BANDS # 20		35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	32.5																			
BANDS # 21		36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	32.5																		
BANDS # 22		37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	32.5																	
BANDS # 23		38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	32.5																
BANDS # 24		39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	32.5															
BANDS # 25		40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	32.5														
BANDS # 26		41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	32.5													
BANDS # 27		42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	32.5												
BANDS # 28		43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	32.5											
BANDS # 29		44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	32.5										
BANDS # 30		45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	32.5									
BANDS # 31		46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	32.5								
BANDS # 32		47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	32.5							
BANDS # 33		48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	32.5						
BANDS # 34		49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	32.5					
BANDS # 35		50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	32.5				
BANDS # 36		51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	32.5			
BANDS # 37		52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	32.5		
BANDS # 38		53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	32.5	
BANDS # 39		54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	32.5
BANDS # 40		55	54	53	52	51	50	49	48	47	46	45	44	43</																																											















		DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS FROM STATE LINE NEAR WOODRUFF TO PIXLEY DAM																															
		MAY																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
MAY	STEAR CANALS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	WESTVILLE	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4		
	WOODS	25	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24		
	WEEKS LEAD & LIVERPOOL	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
	CHAMBERS-FRONTIER	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		
	MANLY-ROCKY	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
	WILSON-ROCKY	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
	WILSON-ROCKY	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
	WILSON-ROCKY	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
	WILSON-ROCKY	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
TOTAL	257.3	264.6	265.5	265.1	267.5	272.5	277.5	280.3	281.0	282.3	283.0	283.3	283.6	283.7	283.8	283.9	284.0	284.1	284.2	284.3	284.4	284.5	284.6	284.7	284.8	284.9	285.0	285.1	285.2	285.3	285.4		
MAY	STEAR CANALS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	WESTVILLE	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8		
	WOODS	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30		
	WEEKS LEAD & LIVERPOOL	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
	CHAMBERS-FRONTIER	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	
	MANLY-ROCKY	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
	WILSON-ROCKY	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
	WILSON-ROCKY	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	WILSON-ROCKY	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	TOTAL	287.8	289.0	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	
JUNE	STEAR CANALS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	WESTVILLE	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4		
	WOODS	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30		
	WEEKS LEAD & LIVERPOOL	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
	CHAMBERS-FRONTIER	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	
	MANLY-ROCKY	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
	WILSON-ROCKY	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
	WILSON-ROCKY	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	WILSON-ROCKY	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	TOTAL	307.8	309.0	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	







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

SEPT	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	
<b>UTAH CANALS</b>																																	
NAVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BOOTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MRS JARD & LIVINGSTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CHARFIELD-THOMPSON	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
WILSON-BOONBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
UTAH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MARSHALL-SAGE CREEK	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
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	0	
BERNARD	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
D. Q. WEST SIDE	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
TOTAL DIVERTED IN UTAH	35.4	34.6	33.3	33.9	32.9	33.9	34.4	36.0	35.1	36.1	36.5	37.3	36.8	36.8	36.4	37.3	37.3	37.3	36.0	35.8	35.7	36.3	36.3	36.4	35.8	35.8	35.4	34.6	37.0	37.6	34.074.2		
<b>BEARING CANALS</b>																																	
D. Q. DAM PUMP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D. 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	
HOFFMANLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D. 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	0	
PIXLEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL DIVERTED IN BEARING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



























		DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS IN IDAHO																														TOTAL				
JUNE 1956		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			
MORNING TO EVENING		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ATLAS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PACIFIC (BROWNS)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
LADY		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
WHEELS BRADLEY		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
DUNGER INDIAN		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MAG-COCHET		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
BLAKE OTTER & TRU LEO		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SHERBORN-SPENCER		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
BLAKE-JANCOCK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PROMER		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
WEST FORK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TOTAL		0	0	0	0	0	0	0	0	0	0	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 R. BELOW STRAIGHT DAM		29	29	31	31	33	34	34	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35		
BILGOWE TRACT CANAL		108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	
TOTAL		137	137	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	
STRAIGHT DAM TO ALLEGHENY		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WIDE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALEXANDRIA TO OREGON		319	320	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	
LAST CHARGE		180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	
BENCH #1		34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	
TANNER #1		69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	
OVERTON VALLEY		602	611	621	631	641	651	661	671	681	691	701	711	721	731	741	751	761	771	781	791	801	811	821	831	841	851	861	871	881	891	901	911	921	931	
TOTAL		1003	1013	1023	1033	1043	1053	1063	1073	1083	1093	1103	1113	1123	1133	1143	1153	1163	1173	1183	1193	1203	1213	1223	1233	1243	1253	1263	1273	1283	1293	1303	1313	1323	1333	
SHELTON TO FREDSTON		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	1.6	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	1.6	1.6	1.6	1.6	1.6	1.6	
TITUS COOKER PUMP		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LOCAL WHITE PUMP		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MITH BROWN		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SALIN MATTHEWS PUMP		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KIVIMOLE-FREDSTON (OFFER)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KIVIMOLE-FREDSTON PUMP		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MELSON		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KIVIMOLE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WEST CACON		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL		1.6	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	1.6	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	1.6	1.6	1.6	1.6	1.6	1.6	
FREDSTON TO IDAHO-UTAH ST. LINE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CUB RIVER PUMPS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

PLATE NO 71

MEGERS PUBLISHED BY WATERMASTER DISTRICT NO. 5, IDAHO.











DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS IN IDAHO

SEPT	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			
CANALS TO STREAM																																			
MILLER	6.7	6.8	7.4	7.4	6.6	6.3	6.5	6.4	6.5	6.2	5.4	5.4	5.2	4.9	4.9	4.4	4.4	4.4	4.4	3.9	3.7	3.4	3.2	3.2	3.2	3.2	3.2	2.9	0	0	0	136.8			
BUFFER	0.4	0.5	0.5	0.7	7.6	7.4	7.4	7.4	7.4	7.0	6.4	6.4	6.0	6.3	6.3	5.1	5.0	4.6	4.6	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0	263			
PACIFIC (SOMMERSET)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	216.5			
CANALS TO FURNISH																																			
LOUIS	0	0	0	0	0	0	0	0	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	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		
TRIMBLE IRRIGATION	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29		
MEAN-BOGERT	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19		
BLACK COTTONWOOD IAG	42	41	42	43	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40		
MONTPELLIER-FRANCON	30	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30		
SAINT-JAMOUS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PUEBLO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
WEST FORK	5.0	5.1	5.2	5.2	5.2	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4		
TOTAL	144.1	144.5	149.3	148.9	144.6	133.3	126.1	125.7	125.6	123.7	120.7	118.4	113.1	110.4	108.0	105.1	102.8	101.2	99.7	98.2	96.8	95.4	94.0	92.6	91.2	89.8	88.4	87.0	85.6	84.2	82.8	81.4	80.0		
CANALS TO IRRIGATE																																			
IRWIN	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16		
BELOW STEWART DAM	69	62	63	65	26	8.0	7.6	7.6	7.6	7.4	7.3	7.3	7.1	7.1	7.4	7.4	7.4	7.4	7.4	7.2	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1		
MADISON IRRIG CANAL	95	85.6	82.9	80.1	55	59	59.8	58.6	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	
TOTAL	176	163.6	161.0	156.1	71	73.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	
CANALS TO FURNISH																																			
TITLED CORNELL FUR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
LOCAL WHITE FUR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SMITH MEAS	0	0	0	0	0	0	0	0	0	0	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	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
CANALS TO IRRIGATE																																			
IRWIN	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
BELOW STEWART DAM	69	62	63	65	26	8.0	7.6	7.6	7.6	7.4	7.3	7.3	7.1	7.1	7.4	7.4	7.4	7.4	7.4	7.2	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	
MADISON IRRIG CANAL	95	85.6	82.9	80.1	55	59	59.8	58.6	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
TOTAL	176	163.6	161.0	156.1	71	73.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2