NINETEENTH ANNUAL REPORT

BEAR RIVER COMMISSION

1976

For the Report Year October 1, 1975 to

September 30, 1976

LOGAN, UTAH

April 1, 1977

BEAR RIVER COMMISSION

22 EAST CENTER
LOGAN, UTAH

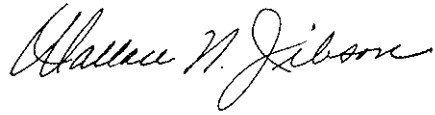
April 1, 1977

Mr. President:

Submitted herewith is the Nineteenth Annual Report of the Bear River Commission, as required by Article III D 2 of the Bear River Compact.

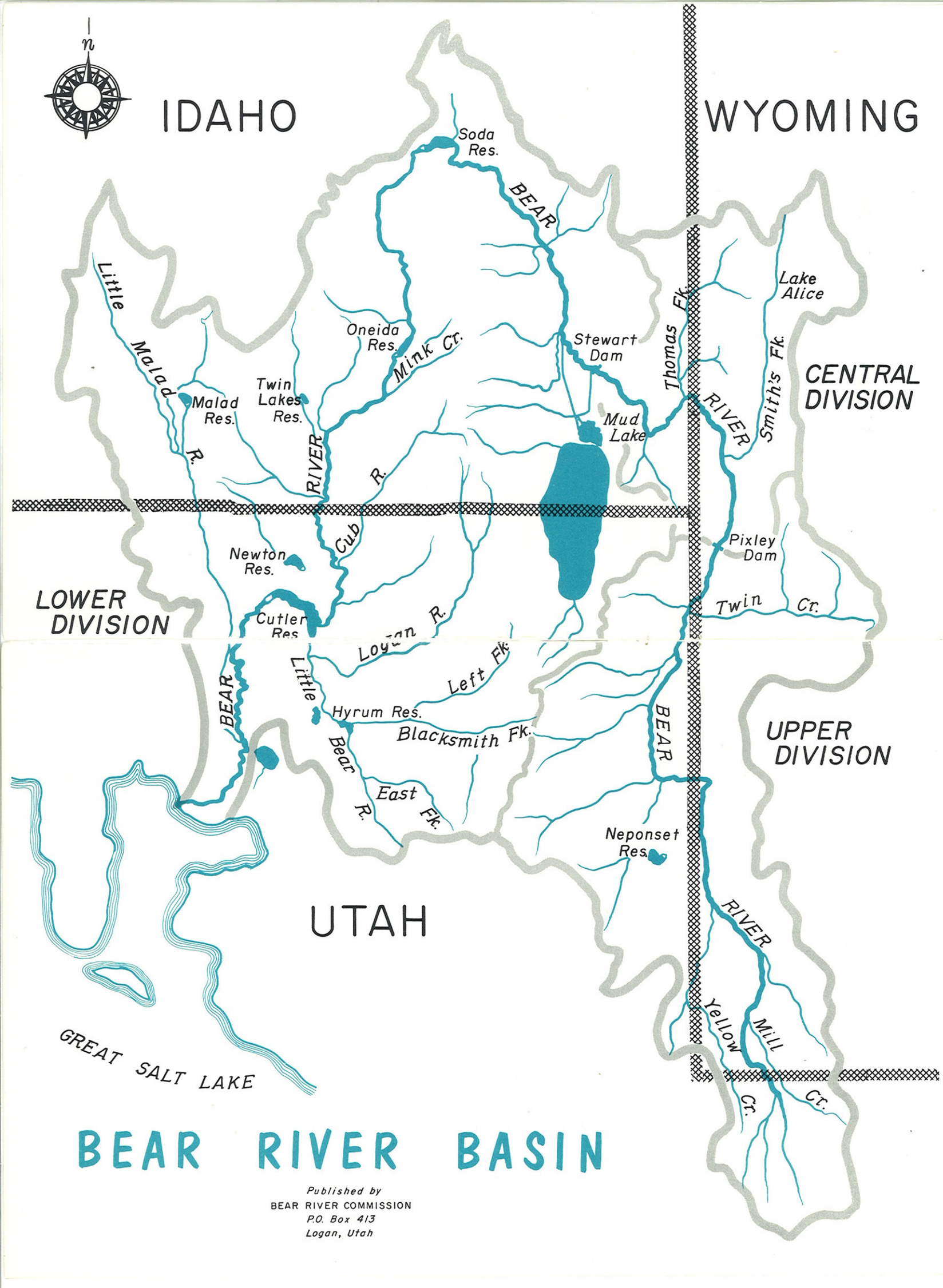
A copy of the report is being transmitted to the Governor of each signatory State to the Bear River Compact.

Very truly yours,



Wallace N. Jibson
Chairman and
Federal Representative

The President
The White House
Washington, D.C.



BEAR RIVER BASIN

Published by
BEAR RIVER COMMISSION
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Logan, Utah

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NINETEENTH ANNUAL REPORT

of the

BEAR RIVER COMMISSION

April 1, 1977

INTRODUCTION

The Bear River Compact determines the rights and obligations of the signatory States of Wyoming, Idaho, and Utah with respect to the waters of Bear River. Federal consent to the Compact was given by the Congress and signed by the President, March 17, 1958. The Bear River Commission was organized as an interstate agency to administer the Compact.

Article III D 2 of the Compact provides that the Bear River Commission shall compile annually a report covering the work of the Commission for the water year ending the previous September 30 and transmit it to the President of the United States and to the Governors of the signatory States on or before April 1 of each year.

Activities of the Bear River Commission during the water year ending September 30, 1977 are summarized in this report. Financial report of the auditors and daily streamflow records are shown in the appendixes.

ORGANIZATION

Ten commissioners, three representing each State and one the United States, constitute the Bear River Commission. The Federal representative serves as Chairman without vote.

The resignation by E. O. Larson as Federal Representative was accepted by the President and made effective upon appointment of a successor. Mr. Larson has served the present Commission and the earlier negotiating commission for a total of 30 years. His faithful and dedicated service and his able leadership are appreciated by all who have been involved in negotiating and administering the Bear River Compact.

The President appointed Wallace N. Jibson to succeed Mr. Larson, effective September 9, 1976. Mr. Jibson served as Chairman of the Negotiating Commission's engineering committee and, since 1958, has served as Assistant Secretary to the Bear River Commission.

J. Daniel Roberts, Preston, was appointed to replace J. C. Hedin who resigned because of ill health. Mr. Hedin has served faithfully since 1971 as a commissioner from Idaho.

OFFICERS

Chairman ..... Wallace N. Jibson, Logan, Utah*
Vice-Chairman ..... S. Paul Holmgren, Bear River City, Utah
Secretary-Treasurer ..... Daniel F. Lawrence, Bountiful, Utah

*Succeeding E. O. Larson, Salt Lake City.

MEMBERS

Idaho

William G. Jenkins ..... Malad, Idaho
J. Daniel Roberts ..... Preston, Idaho
Clifford J. Skinner ..... Dingle, Idaho
R. Keith Higginson (Ex officio) ..... Boise, Idaho

Utah

Daniel F. Lawrence ..... Bountiful, Utah
Gordon H. Peart ..... Randolph, Utah
S. Paul Holmgren ..... Bear River City, Utah

Wyoming

George L. Christopulos ..... Cheyenne, Wyoming
S. Reed Dayton ..... Cokeville, Wyoming
J. W. Myers ..... Evanston, Wyoming

United States

Wallace N. Jibson ..... Logan, Utah

Budget Committee

J. W. Myers ..... Evanston, Wyoming
S. Paul Holmgren ..... Bear River City, Utah
William G. Jenkins ..... Malad, Idaho

Operations Committee

S. Reed Dayton ..... Cokeville, Wyoming
J. Daniel Roberts ..... Preston, Idaho
Gordon H. Peart ..... Randolph, Utah

MEETINGS

Two meetings were held during the report year in accordance with the bylaws as follows:

Regular Meeting—November 24, 1975....Salt Lake City, Utah
Annual Meeting — April 19, 1976 .....Salt Lake City, Utah

BUDGET AND FISCAL DISBURSEMENTS

Adopted Budget

Compact Administration	Fiscal Year Ending 6-30-1976	Quarter Year Ending 9-30-1976	Fiscal Year Ending 9-30-1977
Personal Services	$ 6,677	$ 935	$ 8,146
Travel and Subsistence	260	80	200
General Office Expense	225	95	259
Fiscal and Administrative	371	57	445
Washington Office Tech. Charge	742	113	890
Printing and Reproduction	725	0	720
Treasurer (Bond and Audit)	300	0	300
Transcribing Minutes	100	0	140
Legal Retainer Fee	300	0	300
Sub-Total	$ 9,700	$ 1,280	$11,400
Stream-Gaging Program			
U.S. Geological Survey	$72,000*	$21,000*	$76,800*
Total	$81,700*	$22,280*	$88,200*

*As revised.

Allocation of Budget

U.S. Geological Survey	$36,000	$10,500	$38,400
State of Idaho	15,233	3,927	16,600
State of Utah	15,233	3,926	16,600
State of Wyoming	15,234	3,927	16,600
Total	$81,700	$22,280	$88,200

All disbursements of Commission funds are made by check on vouchers signed by the Secretary-Treasurer, and approved and countersigned by the Chairman or Vice-Chairman.

The Commission, by resolution adopted November 24, 1975, amended the bylaws to change the fiscal year to a period beginning October 1 of each year and ending September 30 of the next succeeding year; with a beginning date of October 1, 1976.

The audit of accounts and records, including a statement of budget revenue and disbursements for the 15-month period ended September 30, 1976, is included in this report as Appendix A.

STREAM-GAGING PROGRAM

A cooperative, basin-wide program of stream gaging is administered by the Geological Survey subdistrict chief at Logan, Utah. The Geological Survey and Bear River Commission contribute equally to finance the collection of daily streamflow records at about 50 gaging stations. An additional eight gaging stations in the basin are operated by Utah Power & Light Company in connection with Federal Power Commission projects. Streamflow records of significance to the Commission are published herein as appendix B.

The existing stream-gaging program remained unchanged during the 1976 water year.

ADMINISTRATION OF BEAR RIVER COMPACT

Provisions of the Compact are administered and enforced by direction of Bear River Commission. However, water rights within each State are adjudicated and administered in accordance with State law subject to limitations provided in the Compact.

Cooperative stream-gaging agreements with the Geological Survey include a program of administrative and technical assistance to the Commission financed without matching Federal funds. This program is directed by the Geological Survey subdistrict chief at Logan where the subdistrict office is also the principal office of the Commission.

The subdistrict chief has been serving as Assistant Secretary to the Commission with reponsibility of providing technical assistance and current streamflow information as required in administration of the Compact. He establishes operational procedures, conducts hydrologic studies, compiles annual reports, and maintains the records of the Commission. A re-evaluation of this position and incumbent duties should be considered by the Commission.

Seasonal daily records were collected on about 130 diversions above Bear Lake by district water commissioners under the general supervision of the Geological Survey. These records include all of the diversions from Bear River main stem and Smiths Fork, as they are required to administer the Bear River Compact. Daily discharge records for canals in the Central Division have been published in all annual reports. Records for the Upper Division, beginning in 1971, are now being published. (See frontispiece map for division boundaries and tables 1-10 for the daily records.)

Expenses incurred by the Bear River Commission are paid equally by the signatory States. Compensation and expenses of the Federal representative, each commissioner, and each adviser are paid by the Government which he represents.

WATER SUPPLY

May-July runoff from the upper Bear River basin was a disappointing 70 percent of the 1943-76 average and far short of the May 1 forecast of 109 percent. Downstream water supply improved, and Smiths Fork contributed 53 percent more runoff than that from the upper basin as did Logan River in the lower basin.

The bar charts on the opposite page (figure 1) illustrate a comparison of monthly and yearly streamflow in 1976 with a longtime average. Mean flow in cubic feet per second is shown at three gaging stations representing the Upper, Central, and Lower Divisions of the basin. Streamflow at the two upper stations is the major supply for the Upper and Central Divisions so is shown also on daily hydrographs in figures 2 and 3. Seasonal and water-year discharge at these stations is summarized in acre-feet in the following table:

Discharge in Acre-feet — May - September

	Average 1943-76	1975	1976
Upper Bear River	116,500	153,100	81,800
Smiths Fork	111,200	130,400	124,900
Logan River	125,200	165,800	124,700

Water Year

	Average 1943-76	1975	1976
Upper Bear River	139,300	171,400	104,000
Smiths Fork	144,300	158,100	160,300
Logan River	186,300	219,600	192,400

Diversion from Bear River to Bear Lake (for storage or bypass) was 372,600 acre-feet in 1976 or 46 percent above the 53-year average. Outflow, including bypassed water, was 459,800 acre-feet with a net loss in lake content of 48,400 acre-feet.

The bar charts in figure 4, page 16, illustrate the hydrology of Bear Lake in 1976 compared to the 1924-76 average inflow, outflow, and gain. Gain from tributaries, as shown, represents the effect of peripherial tributary and ground-water inflow exclusive of Bear River water. Thus, under natural conditions without Bear River, the Lake in 1976 would have gained 38,800 acre-feet over its evaporation and other losses compared to an average gain of 12,500 acre-feet. Water-year hydrographs of 1975 and 1976 surface elevations are shown in figure 5, page 17.

Bear Lake Elevation (U.P. & L. Datum)

Water Year	Beginning of Water Year	End of Storage Period	End of Water Year
1975	5,919.16	5,922.64	5,920.74
1976	5,920.71	5,921.97	5,920.06

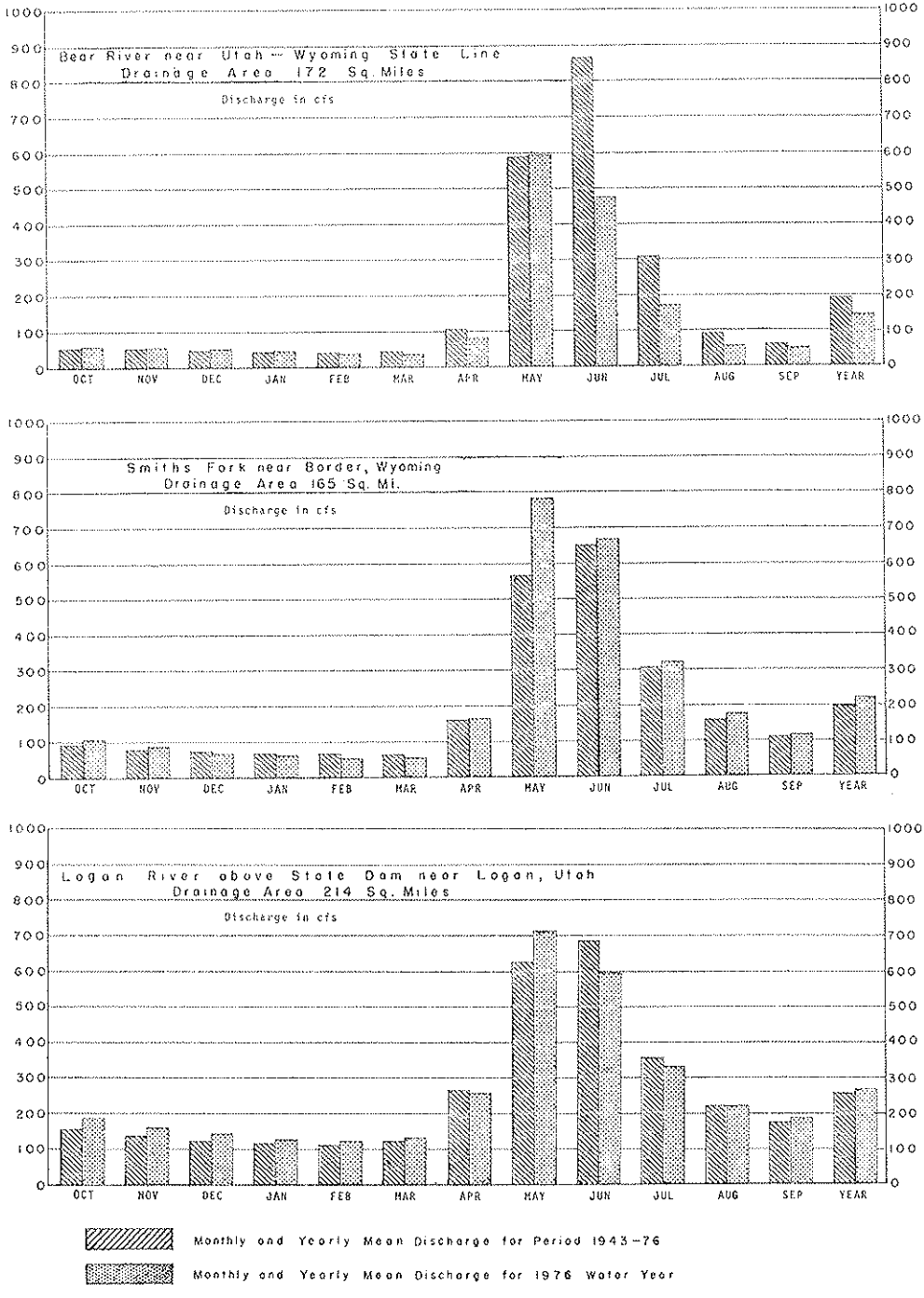
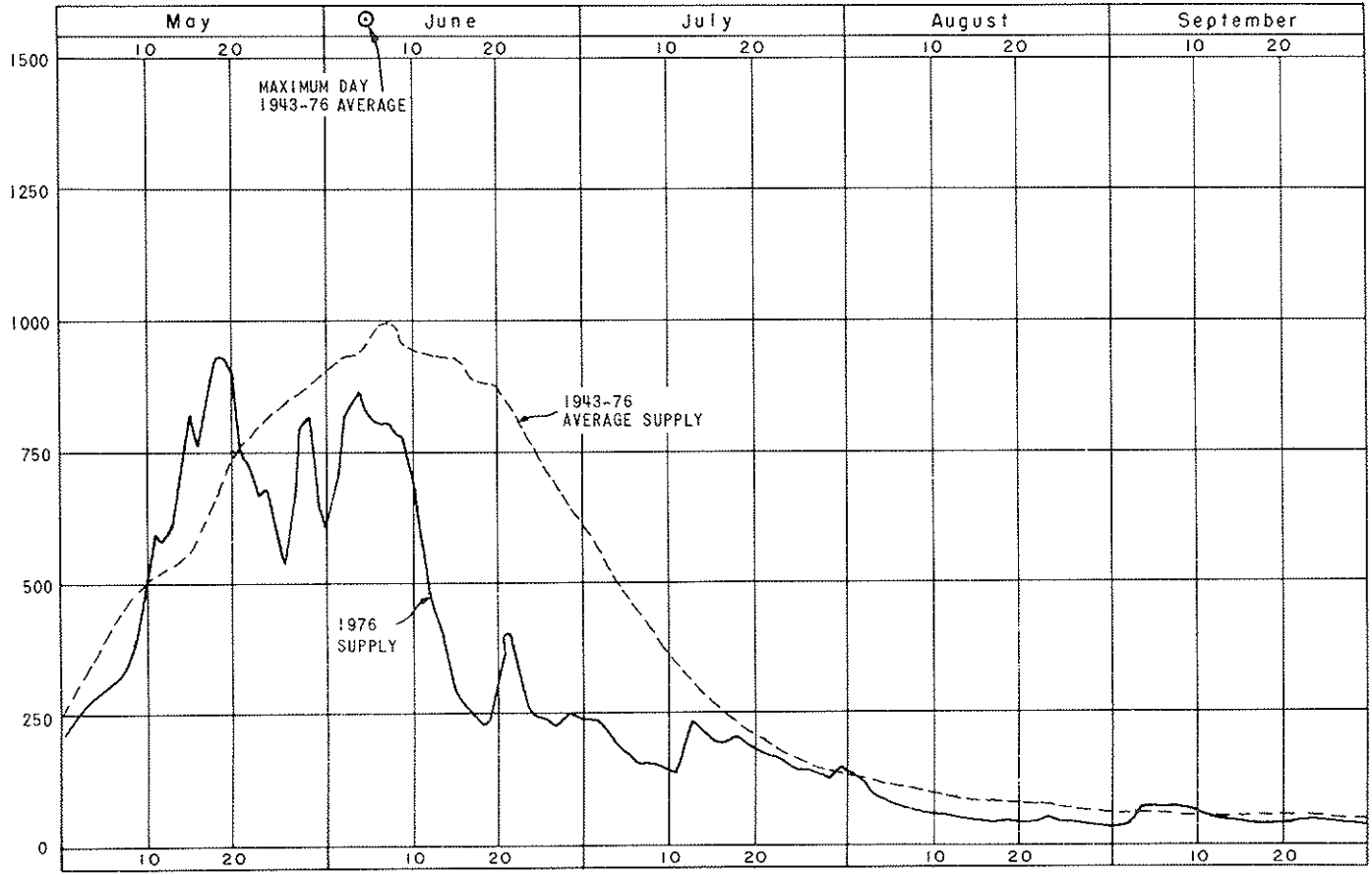


Figure 1. Comparison of discharge at three representative gaging stations in 1976 with average discharge for period 1943-76

UPPER DIVISION - BEAR RIVER SUPPLY *

CUBIC FEET PER SECOND

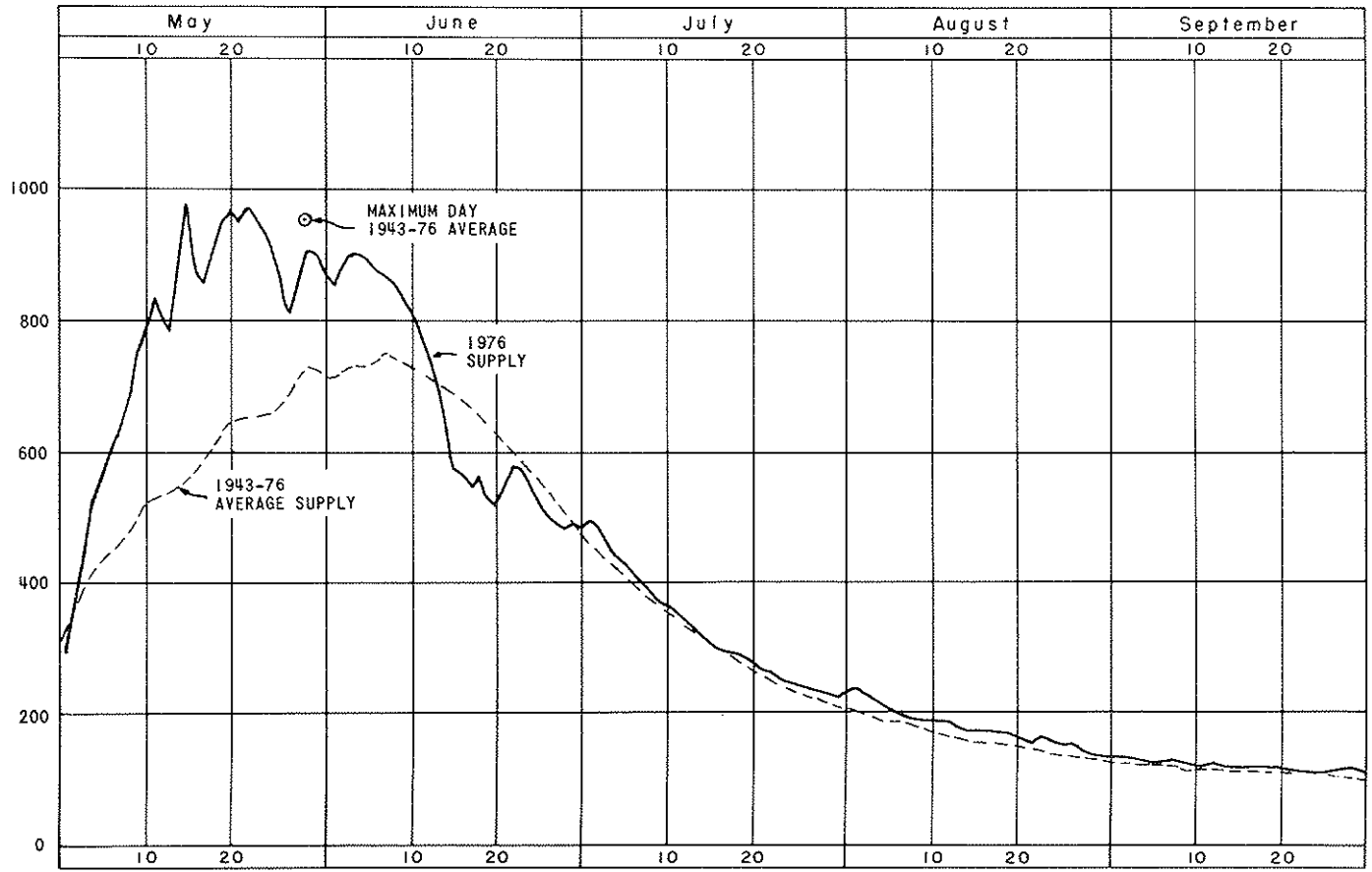


*Bear River near Utah-Wyoming State line

Figure 2

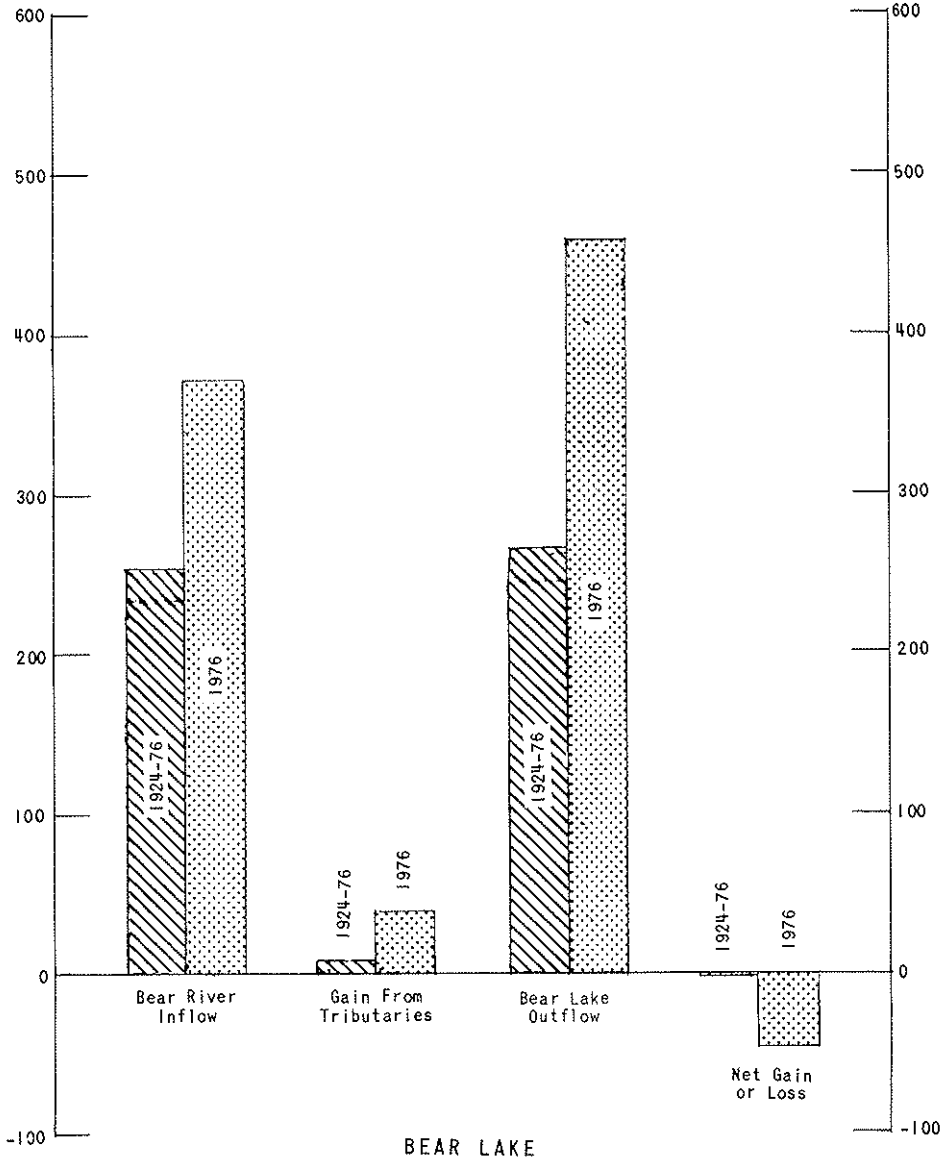
CENTRAL DIVISION – SMITHS FORK SUPPLY *

CUBIC FEET PER SECOND



*Smiths Fork near Border, Wyoming

Figure 3



BEAR LAKE

ANNUAL QUANTITIES, IN THOUSANDS OF ACRE-FEET

Figure 4

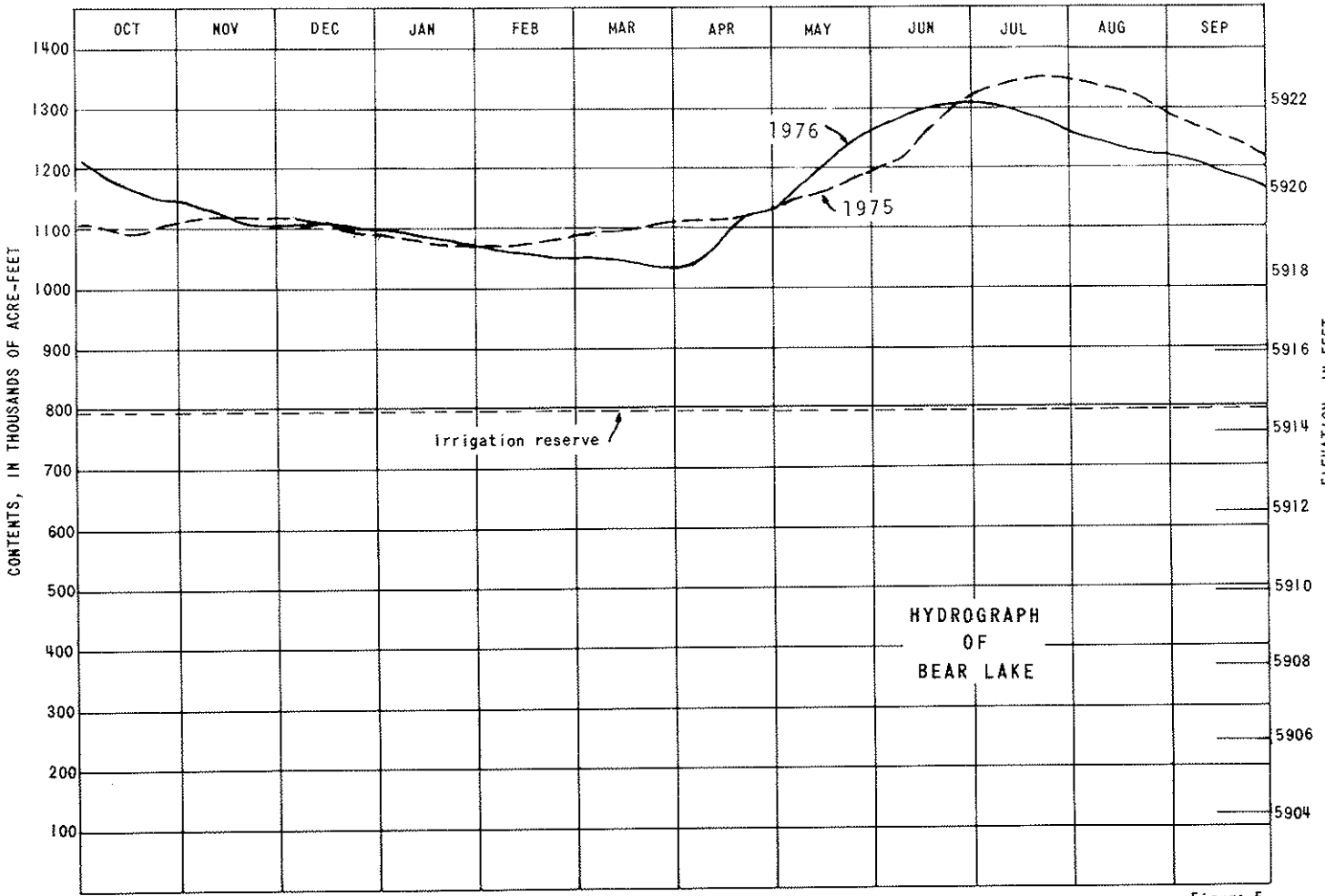

OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
CONTENTS, IN THOUSANDS OF ACRE-FEET
5922
5920
5918
5916
5914
5912
5910
5908
5906
5904
ELEVATION, IN FEET
1976
1975
Irrigation reserve
HYDROGRAPH
OF
BEAR LAKE

Figure 5

STREAMFLOW DISTRIBUTION

Records of diversions from Bear River main stem above Bear Lake and from Smiths Fork were collected by district water commissioners and submitted weekly to the Assistant Secretary. He computed section diversions and allocations and informed these district commissioners and members of the Commission of the quantities diverted and of State-section allocations, where applicable, for the regulatory action needed to comply with the Compact.

Upper Division

The Upper Division comprises that part of the basin above and including Pixley Dam and includes two sections in Wyoming and two in Utah. The Compact provides that when the total diversions in the division plus the flow passing Pixley Dam are less than 1,250 cfs (divertible flow), a water emergency exists and such divertible flow is allocated to sections as follows:

Upper Utah Section Diversions	0.6 percent
Upper Wyoming Section Diversions	49.3 percent
Lower Utah Section Diversions	40.5 percent
Lower Wyoming Section Diversions	9.6 percent

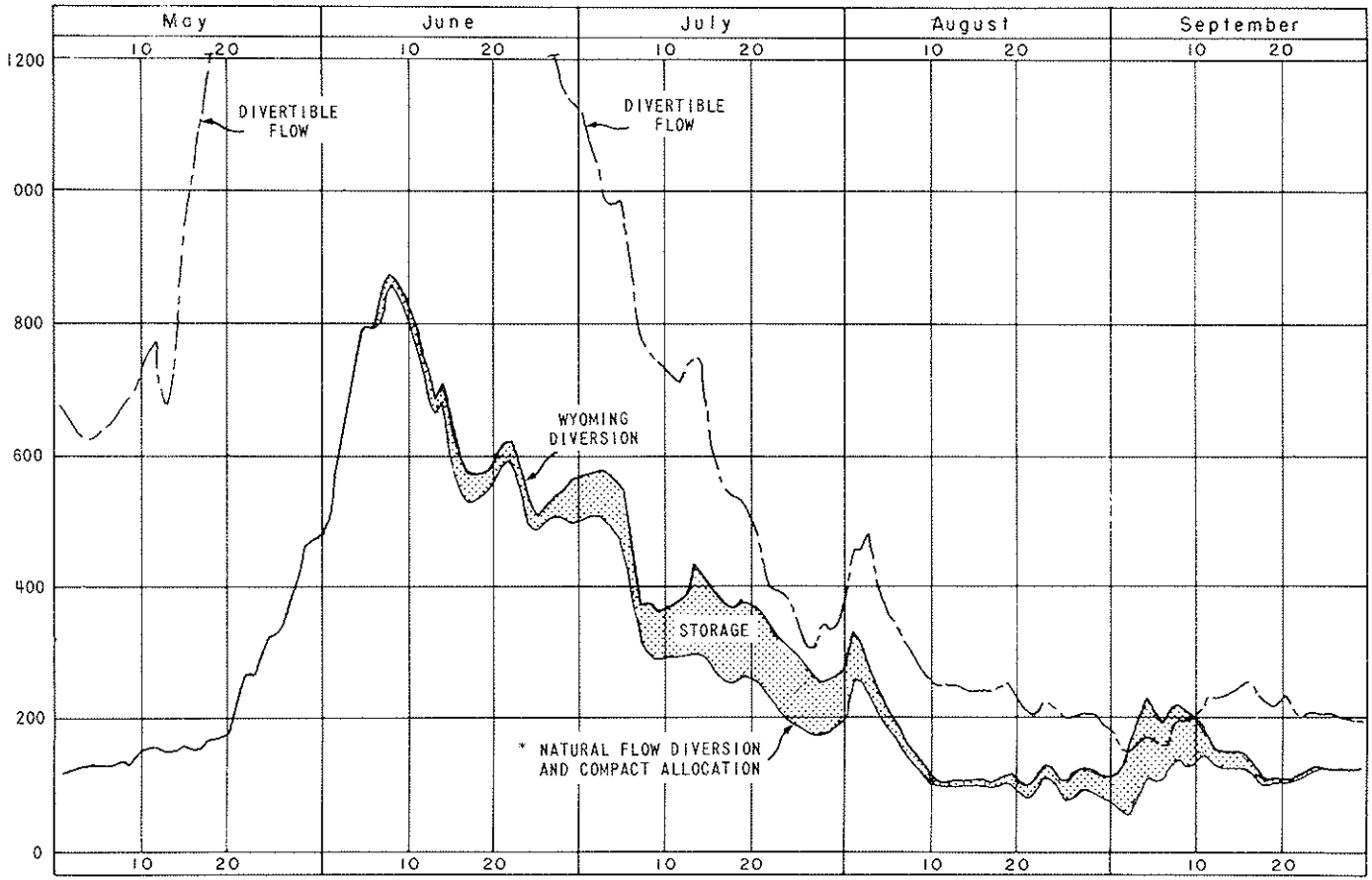
Interstate regulation in years of average or better water supply usually is not required in this division where meadow hay predominates. Article IV of the Compact makes available to other sections the unused allocation in any section. Thus, under present practice, after about July 10 Upper Wyoming Section allocation is increased by 9.6 percent as the Lower Wyoming Section ceases diverting and shortly thereafter is increased by most of Lower Utah's allocation as this section shuts down for haying operations. Except for the first few days in May, divertible flow in these years of good supply does not drop to the 1,250 cfs emergency condition until near mid-July when the two lower sections have ceased diverting for harvesting. Thereafter, Upper Wyoming Section could not conceivably divert in excess of allocation.

Diversion tabulations for the Upper Division, shown on pages 28-32, indicate that divertible natural flow was below 1,250 cfs prior to May 19 and subsequent to June 25 through the balance of the season. Diversions were minimal during most of the first period, and in the second period Upper Wyoming Section diverted less than its basic allocation of 49.3 percent until mid-July. Other sections in the division had virtually ceased diverting prior to mid-July, so by Article IV, most of the divertible flow would then be allocated to Upper Wyoming Section. Hydrographs in figures 6-8 (pages 19-21) show water diverted from natural flow and storage in the three principal sections in this division.

Diversion included about 21,000 acre-feet storage from Woodruff Narrows Resevoir (figure 9), 5,500 acre-feet from Sulphur Creek Reservoir, and 3,300 acre-feet from Whitney Reservoir.

UPPER DIVISION – UPPER WYOMING SECTION

CUBIC FEET PER SECOND

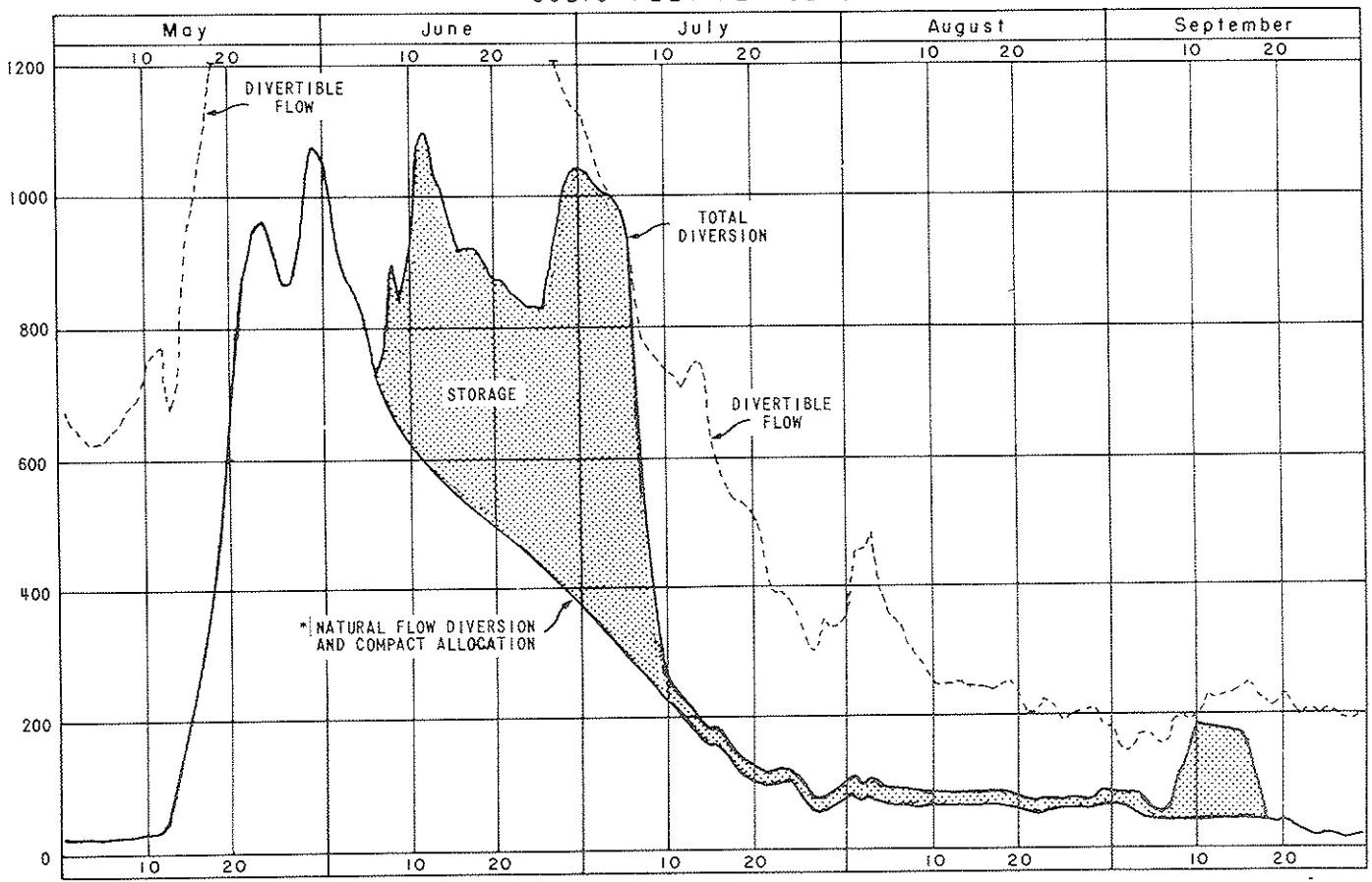


*See footnote, Tables 1-5

Figure 6

UPPER DIVISION – LOWER UTAH SECTION

CUBIC FEET PER SECOND



*See footnote, Tables 1-5

Figure 7

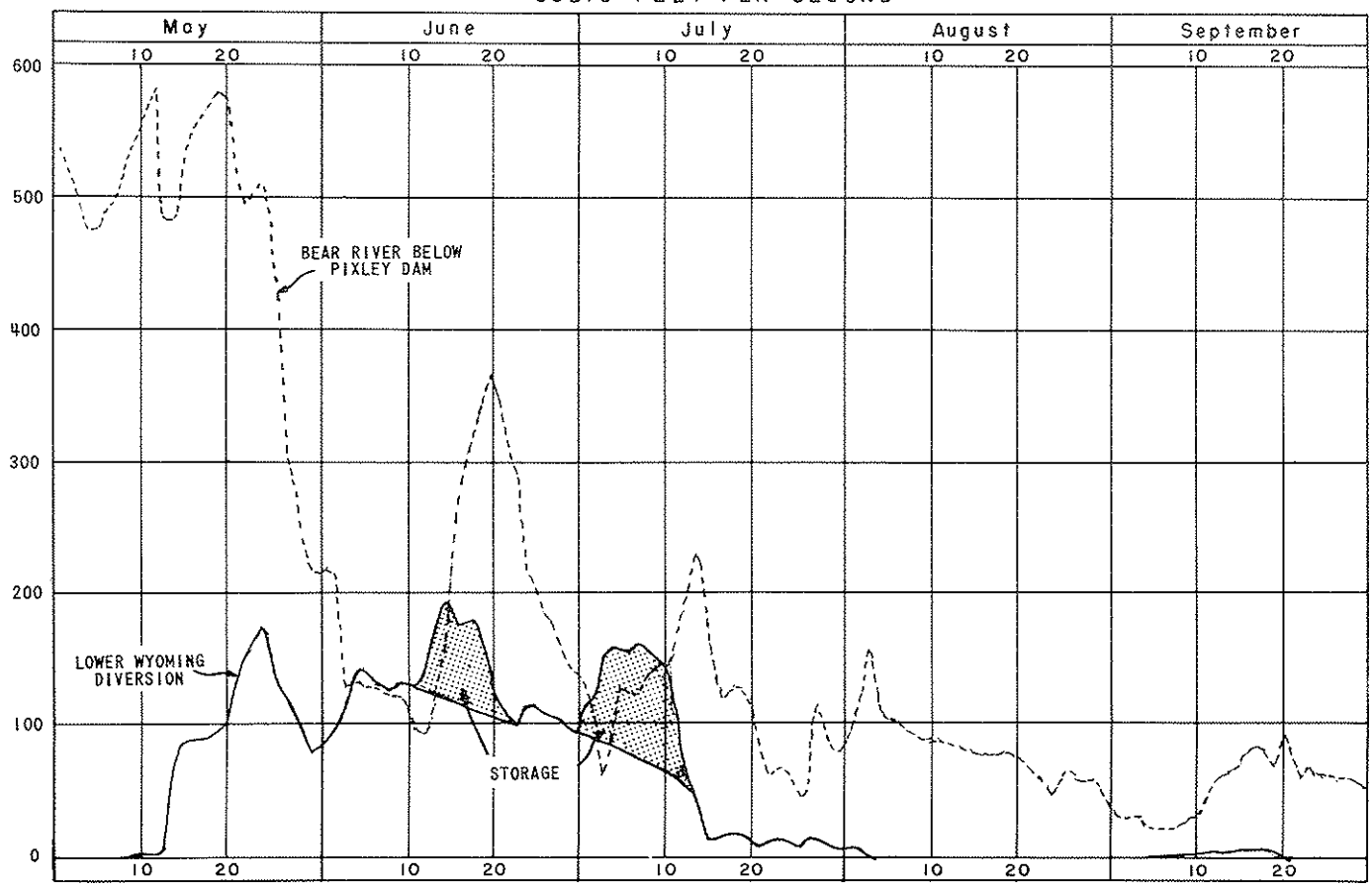

UPPER DIVISION – LOWER WYOMING SECTION
CUBIC FEET PER SECOND
May
June
July
August
September
10
20
600
500
400
300
200
100
0
BEAR RIVER BELOW PIXLEY DAM
LOWER WYOMING DIVERSION
STORAGE

Figure 8

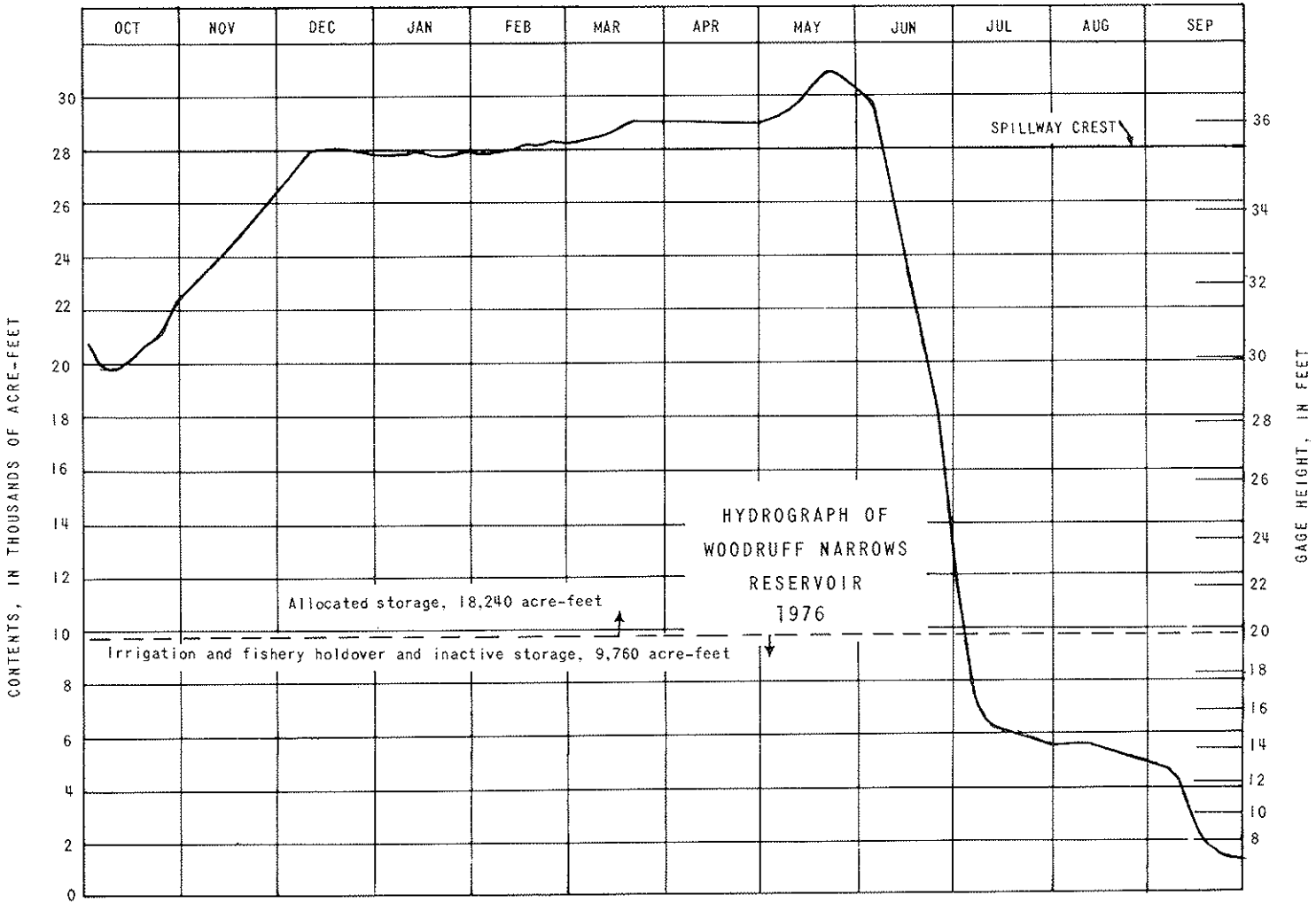

OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
CONTENTS, IN THOUSANDS OF ACRE-FEET
GAGE HEIGHT, IN FEET
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
SPILLWAY CREST
HYDROGRAPH OF
WOODRUFF NARROWS
RESERVOIR
1976
Allocated storage, 18,240 acre-feet
Irrigation and fishery holdover and inactive storage, 9,760 acre-feet

Figure 9

Central Division

The Central Division comprises that part of the basin from Pixley Dam down to and including Stewart Dam (the point of diversion to Bear Lake). It includes a section in Wyoming and one in Idaho.

Divertible flow in the Central Division is the sum of diversions from Smiths Fork and designated tributaries, diversions from Bear River in the division, and flow passing Stewart Dam. A water emergency shall exist when this divertible flow is less than 870 cfs, or when Bear River entering Idaho (gaging station at Border) is discharging less than 350 cfs. Wyoming diversions are limited to 43 percent of the divertible flow during a water emergency.

Diversion and allocation hydrographs are shown for the two sections in the Central Division in figures 10 and 11 (pages 26 and 27), and corresponding data showing individual canals are included in tables 6 to 10 (pages 33-37). A water emergency, as defined above, became effective July 22 when divertible flow dropped below 870 cfs and on the same day, the flow entering Idaho dropped below 350 cfs. Wyoming diversion was less than compact allocation for the balance of the season except August 1-13 when the allocation was exceeded by about 4 percent. (See figure 10.)

The usual diversion pattern is shown in figure 11 for Idaho where the Idaho diversion, as plotted, does not include Rainbow Inlet Canal and accordingly is far less than the compact allocation.

Effectiveness of interstate regulation in the dry years of 1961 and 1966 is indicated in the following table by the small spread in diversion rate per acre in the two sections. In good years with less restriction, the Wyoming rate is much higher and reflects the greater requirement of gravelly soils.

Diversion in acre-feet per acre — May - September

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976
Wy.	2.16	5.82	5.06	4.48	4.96	3.32	4.78	4.02	4.24	4.25	4.39	4.74	4.24	5.68	4.39	4.12
Id.	1.72	3.26	3.28	2.91	2.87	2.95	3.05	3.39	3.48	3.50	3.33	3.35	3.09	3.81	3.43	3.32

Lower Division

Authority is given the Commission upon its own motion to declare a water emergency in any division, and in the Lower Division such a declaration may be made also upon petition of an aggrieved Utah user against an Idaho user. Upon declaration of an emergency, the Commission is required to enforce water-delivery schedules based on priority of rights without regard to State lines.

No petitions were filed with the Commission or water emergencies declared in the Lower Division in 1976.

Interstate Tributaries

An aggrieved user on an interstate tributary may petition for declaration of water emergency and distribution of flow under direction of the Commission. Interstate arbitration on tributaries was not requested in 1976.

STORAGE

New Storage

The Compact defines storage rights in existing reservoirs above Bear Lake and provides for an additional storage allowance of 36,500 acre-feet annually. Idaho users on Thomas Fork are allotted 1,000 acre-feet of this amount and the remainder is divided equally between Wyoming and Utah.

The reservoirs shown below have been constructed under additional storage provisions of the Compact and all but Whitney were filled to capacity in 1976. A total allocation to Woodruff Narrows Reservoir for storage of 18,240 acre-feet includes 15,240 acre-feet from Utah and 3,000 acre feet from Wyoming.

Reservoir	*Allocation*
Sulphur Creek Reservoir (Wyoming)	4,614 ac-ft
Sulphur Creek Reservoir Enlargement (Wyoming)	1,100 ac-ft
J. L. Martin Reservoir, Sulphur Creek (Wyoming)	88 ac-ft
A. J. Barker Reservoir, Yellow Creek (Utah)	162 ac-ft
Hatch Brothers Reservoir (Utah)	350 ac-ft
Woodruff Narrows Reservoir (Utah-Wyoming)	18,240 ac-ft
Whitney Reservoir (Wyoming)	4,200 ac-ft
Wyman Reservoir (Wyoming)	22 ac-ft
Massae Reservoir (Wyoming)	107 ac-ft
Woodruff Creek Reservoir (Utah)	2,000 ac-ft
Total Allocation	30,883 ac-ft

Bear Lake

Article V of the Compact provides an irrigation reserve level in Bear Lake below which water shall not be released solely for generation of power, except in emergency, but after release for irrigation it may be used in generating power as it is conveyed to irrigation diversion works. The reserve is to be increased by designated amounts as additional storage, under terms of the Compact, is developed above Bear Lake. No development of new storage took place in 1976, so the irrigation reserve elevation remained at 5,914.61 feet with active storage content in the reserve of 794,900 acre-feet. (See figure 5.) This reserve corresponds to 30,000 acre-feet of additional storage allocation.

Bear Lake reached an annual maximum elevation of 5,921.97 feet (usable content, 1,302,900 acre-feet) on June 28. Subsequent irrigation demand was only about 134,000 acre-feet, considerably less than usual and about the same as last year.

APPLICATIONS FOR APPROPRIATION

Article X of the Compact states, "Applications for appropriation, for change of point of diversion, place and nature of use, and for exchange of Bear River water shall be considered and acted upon in accordance with the law of the State in which the point of diversion is located, but no such application shall be approved if the effect thereof will be to deprive any water user in another State of water to which he is entitled. The official of each State in charge of water administration shall, upon the filing of an application affecting Bear River water, transmit a copy thereof to the Commission."

Presented in the 1975 Annual Report was a cumulative summary of approved and adjudicated water rights having 1958 and later priorities. The Commission agreed in April 1976 to update this summary at two-year intervals starting with a cutoff date of December 31, 1977 to be reported in April 1978. Applications presented during the report year are summarized as follows:

Approved for adjudication	Wyoming	Utah	Idaho
Surface Water	1.4 cfs	19.7 cfs	6.6 cfs
Ground Water	8.3 cfs	5.5 cfs	47.1 cfs
Pending			
Surface water	0.4 cfs	119.3 cfs	10.4 cfs
Ground Water	0	65.3 cfs	3.5 cfs
Storage			
Pending	(1) 25,200 af	0	0

(1) Woodruff Narrows Enlargement

REVIEW OF COMPACT PROVISIONS

Article XIII, Bear River Compact, requires that the Commission review provisions of the Compact at intervals not exceeding twenty years and may propose amendments to any such provision for consideration of the legislatures of the signatory States. Negotiations toward amending the present compact continued during the report year. Proposed amendments were presented to the Commission, followed by public hearings and further negotiations which will be discussed in more detail in the 1977 Annual Report. The proposed amendments have not been approved by the Commission but will be studied further in an effort to reach agreement among the States on further apportionment with recognition of present rights to the use of Bear River water.

CENTRAL DIVISION - WYOMING SECTION

CUBIC FEET PER SECOND

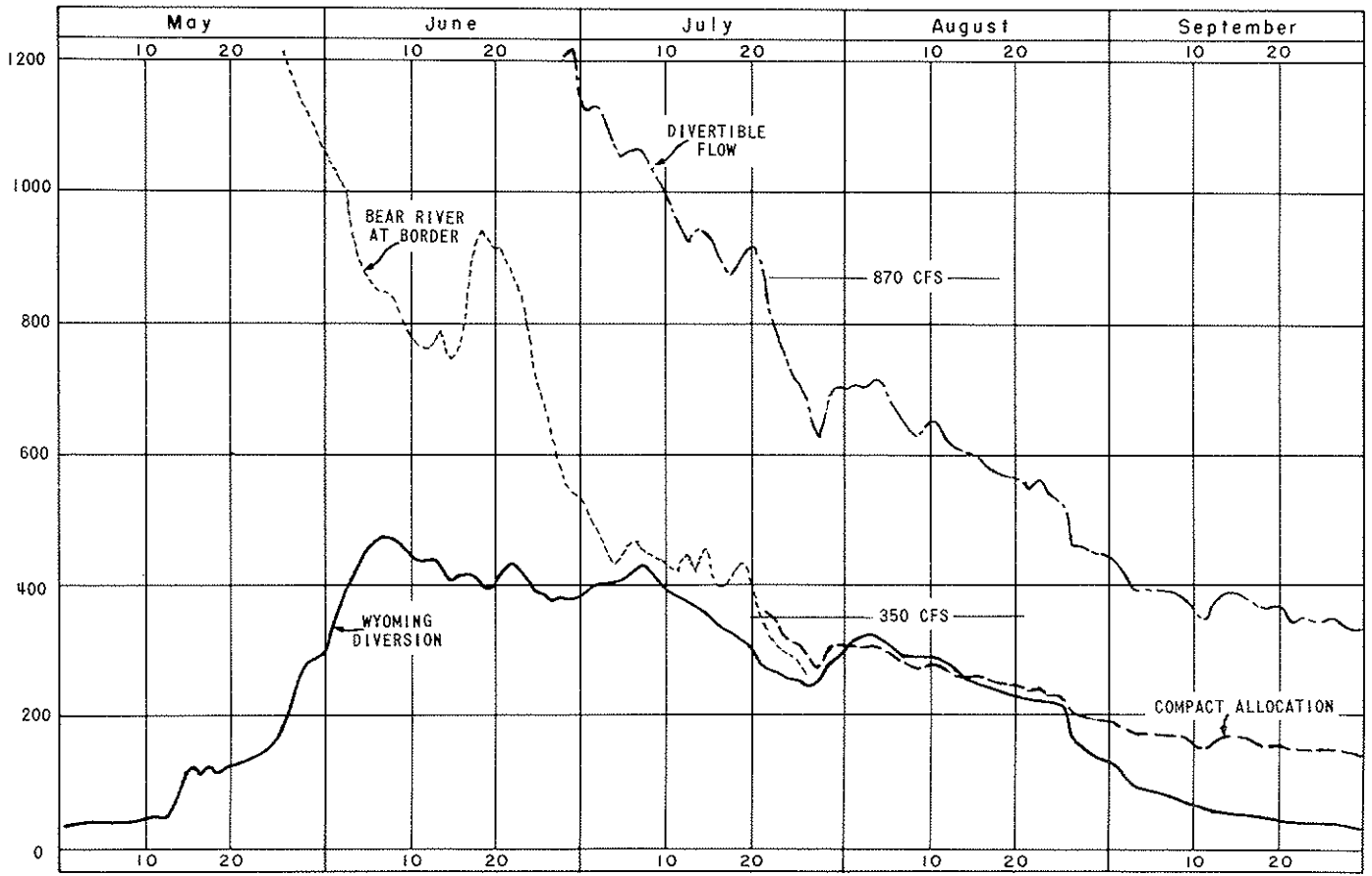


Figure 10

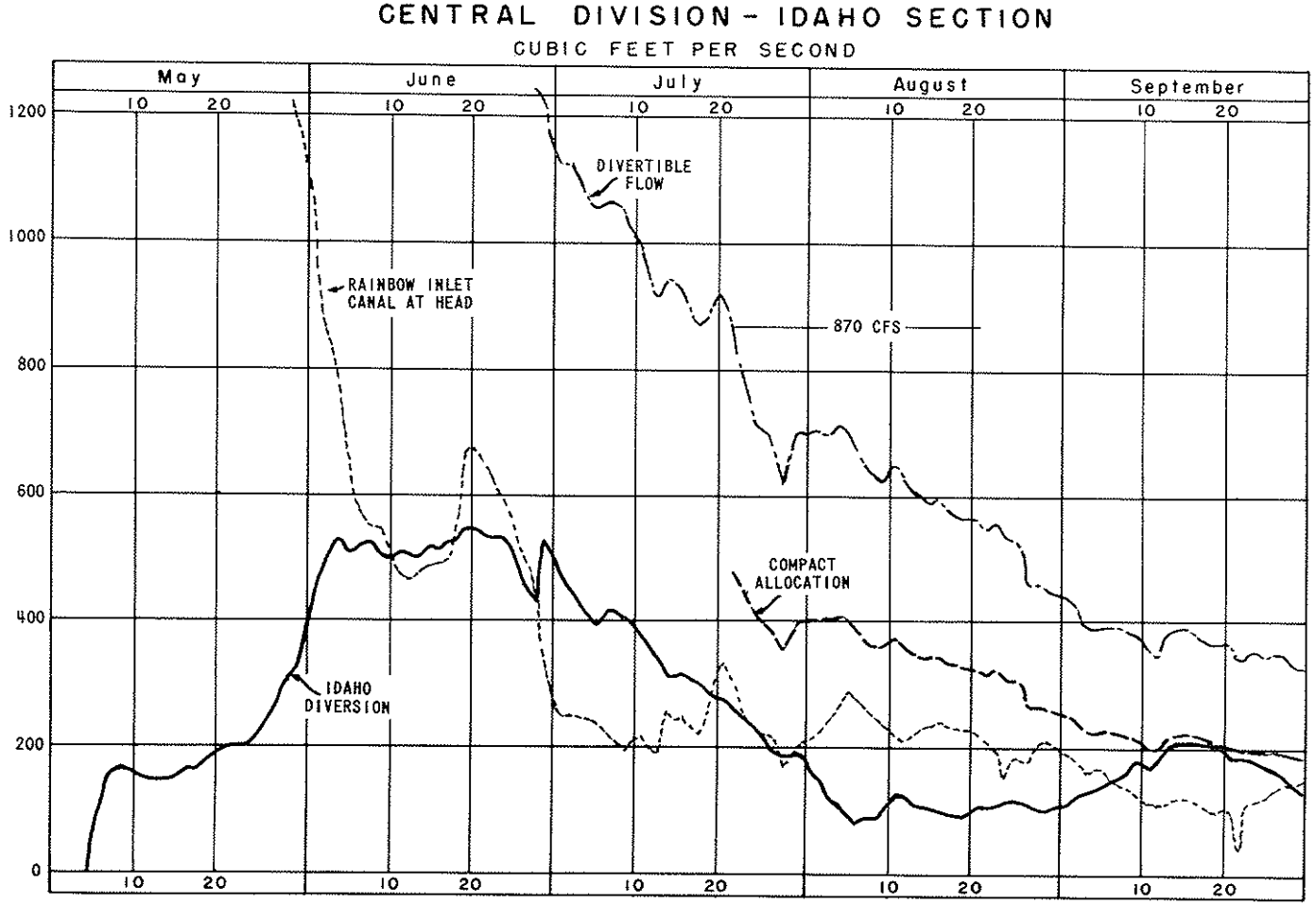

CENTRAL DIVISION - IDAHO SECTION
CUBIC FEET PER SECOND
May
June
July
August
September
10
20
1200
1000
800
600
400
200
0
DIVERTIBLE FLOW
RAINBOW INLET CANAL AT HEAD
870 CFS
COMPACT ALLOCATION
IDAHO DIVERSION

Figure 11

DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS WITH COMPACT ALLOCATION IN UPPER DIVISION

MAY 1976	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	
UPPER UTAH																																
Hovarka (East Fork)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	9	9	9	8	53
Compact Allocation																																
UPPER WYOMING																																
Hilliard East Fork	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lannon	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	10	23	22	23	21	20	19	25	25	25	21	241
Hilliard West Side	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	3	5	5	7	7	7	7	7	7	7	7	8	108
Bear	8	8	8	8	8	8	8	8	7	7	6	6	5	5	5	5	7	15	18	18	17	13	13	14	14	14	14	14	14	14	13	322
Tropic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	7	7	6	4	1	0	0	0	1	35
Danielson	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	6	18	51
Pine Grove & Crown	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	0	1	18	17	17	17	17	17	24	29	28	27	27	252
McGraw & Big Bend	8	8	8	8	8	8	8	8	9	9	8	8	7	7	7	7	7	7	7	7	9	17	16	14	13	13	14	22	29	28	32	361
Homer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lewis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lewis & Blanchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	7	7	7	7	7	6	6	6	67
Myers 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hare	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coffman 1 & 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	6	5	18
Knoder	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	0	1	1	0	0	0	0	0	0	0	1	0	1	1	0	0	31
Myers 1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Myers Irrigation	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	43
Booth	4	4	5	6	6	6	6	6	6	6	7	6	6	6	6	6	6	5	8	8	9	9	11	11	11	10	11	11	11	10	9	233
Anel	8	8	8	8	8	8	8	8	8	7	7	6	6	6	5	5	5	6	7	8	9	10	10	9	9	9	9	8	8	8	8	217
Cornelison	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	3	3	4	4	5	5	6	6	7	51
Evanston Water Supply	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	246
Knight 1 & 2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	56
State Hospital	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	27
Evanston Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Barton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Faulkner	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	36
Rocky Mtn-Blyth	2	2	2	2	2	1	1	1	1	1	1	1	2	3	3	2	2	2	2	3	7	7	6	6	5	6	5	6	6	6	5	102
Bennett Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bruce-Barton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A.W. Sims	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Junction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fearne Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Saxton Turner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Saxton Irrigation	0	0	0	0	0	0	0	0	7	10	9	6	4	5	8	8	9	12	5	8	5	7	5	4	5	8	8	12	19	21	12	199
John Sims-So. Pacific	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	2	2	2	0	1	1	1	0	0	4	15	11	13	108
Ramsey	3	4	4	5	5	4	4	5	4	4	5	5	4	4	4	2	3	4	4	4	4	3	2	2	2	1	2	4	4	3	2	110
Almy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
Sims-Blight-Turner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bowns-Russell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	3	6	21
Turner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8	8	8	8	40
Chapman Canal at Hd	66	68	69	72	72	73	74	77	64	46	48	49	49	48	51	49	44	44	44	43	50	48	45	45	43	45	55	62	76	78	64	1781
Bartlett-Upper Morris	0	0	1	2	2	2	3	3	4	4	4	5	5	6	6	6	6	5	5	5	4	4	4	4	3	3	3	3	2	2	1	106
Lower Morris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3	2	1	0	0	0	0	0	0	0	1	1	0	13
Bowns and Bruce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	26	24	81
Fowkes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	3	0	0	9
Upper Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blight-Irrigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Francis-Lee	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	4	4	4	4	19	37	37	35	34	45	51	53	54	55	54	510
Bear River	0	0	0	0	0	0	0	0	0	40	40	40	40	40	40	41	40	42	42	42	42	42	40	72	106	101	95	93	96	100	96	1330
Total Upper Wyoming	120	123	128	133	134	132	134	138	133	156	158	158	151	154	160	154	155	172	169	176	231	273	268	296	325	330	355	400	464	472	478	6830
LOWER UTAH																																
Neville	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	8	7	7	6	5	5	4	5	6	9	8	79
Booth	2	2	2	2	2	2	2	2	2	2	2	2	2	12	20	22	23	23	24	28	28	28	25	21	19	17	15	15	15	16	16	392
Bees Land & Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	36	38	60	80	80	82	82	80	73	70	66	62	60	63	65	62	1073
Crawford & Thompson	3	3	3	3	3	3	3	4	4	5	5	5	6	43	98	123	121	142	167	177	184	198	169	155	141	133	142	154	161	172	167	2692
Randolph Woodruff	0	0	0	0	0	0	1	1	1	1	0	0	1	0	4	14	91	105	157	223	233	245	245	246	284	284	273	279	289	313	310	3600
Dykens	14	14	14	14	14	14	14	14	15	23	23	23	25	25	25	26	27	27	27	26	26	26	26	23	20	20	18	15	16	18	19	631
Randolph Sage Creek	1	1	1	1	1	1	1	1	1	1	2	2	2	4	6	8	12	12	12	12	12	13	96	159	147	139	123	112	121	145	151	1296
McMinn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	56	59	59	52	42	35	28	22	21	26	31	444
Emberg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	23	23	22	22	23	20	20	25	26	215
B.Q. West Side	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	83	202	216	224	204	178	152	168	211	256	284	267	2478
Total Lower Utah	22	22	22	22	21	21	22	23	24	33	33	34	38	86	169	231	314	371	471	643	831	888	954	962	928	869	856	893	968	1073	1057	12901
LOWER WYOMING																																
B.Q. West Slough	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	17	18	19	22	24	24	52	46	32	26	29	314
B.Q. East Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	49	50	57	60	42	28	30	38	32	30	434
McFarland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	10	9	10	13	13	14	23	19	17	15	19	165
Pixley	0	0	0	0	0	0	0	0	1	1	1	1	7	64	88	90	90	94	96	93	82	73	79	82	71	49	18	16	8	4	4	1112
Total Lower Wyoming	0	0	0	0	0	0	0	0	1	1	1	1	7	64	88	90	90	94	96	101	127	149	158	174	168	129	121	111	95	77	82	2025
Bear River bl Pixley Dam	535	514	493	473	473	487	497	516	533	548	570	582	479	479	529	550	557	568	579	575	527	493	504	510	471	417	306	279	245	215	213	14718
Divertible Flow	677	659	643	628	628	640	653	677	691	738	762	776	675	783	946	1025	1116	1205	1315	1495	1716	1803	1884	1942	1892	1754	1647	1692	1781	1846	1838	36527

Note: Divertible Flow is the sum of all diversions plus Bear River below Pixley Dam minus storage water diverted.
Natural-flow diversion in each State section was equal to or less than compact allocation for period of water emergency, May 1-18 & June 25-Sept. 30. (See discussion of Article IV on page 18.)

Table I

DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS WITH COMPACT ALLOCATION IN UPPER DIVISION

JUNE 1976	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	
UPPER UTAH Hovarks (E.T.)	9	10	10	10	10	10	10	10	10	9	9	8	8	8	7	7	8	8	9	10	12	12	12	11	11	11	11	13	13	12		298
Compact Allocation																									8	7	7	7	7	7		
UPPER WYOMING																																
Hilliard East Fork	4	13	13	13	13	13	21	29	28	27	26	25	25	24	24	23	23	22	22	24	28	25	24	24	23	23	20	21	24	24		648
Lannon	23	26	26	26	25	25	25	24	24	22	21	19	17	16	15	14	14	14	14	14	18	18	14	15	14	13	17	16	14	14		565
Hilliard West Side	16	17	24	25	25	26	32	32	33	32	32	31	30	25	8	8	8	8	7	13	34	30	30	29	29	31	32	33	34	33		727
Bear	24	29	39	71	74	74	74	73	73	74	71	65	61	65	47	41	41	40	39	50	63	75	68	63	61	64	65	69	65	64		1781
Tropic	0	0	0	0	1	4	5	5	5	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3		31
Danielson	16	15	15	14	13	11	23	21	21	19	16	10	10	9	9	9	8	8	8	9	7	5	5	5	5	4	5	5	4	4		313
Pine Grove & Crown	28	29	35	37	37	36	37	37	38	38	35	32	31	30	29	31	27	28	31	34	32	31	28	27	29	32	30	31	25	26		948
McGraw & Big Bend	39	43	43	23	42	41	40	40	38	35	33	27	20	7	3	3	3	8	17	20	21	17	15	12	12	12	11	11	11	13		680
Homer	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2		63
Lewis	9	3	5	10	13	16	14	13	11	9	8	6	4	3	1	1	1	1	1	0	0	2	4	5	7	6	10	11	11	11		190
Lewis & Blanchard	6	7	7	7	8	8	8	8	8	7	7	7	6	6	6	6	5	5	5	5	5	4	4	4	3	3	3	3	4	5		170
Myers 2	0	1	1	1	1	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1		13
Hare	0	0	0	0	0	0	0	0	0	1	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1		26
Coffman 1 & 2	6	7	7	7	7	7	7	7	6	6	6	5	6	6	7	9	1	1	1	1	1	1	1	1	2	4	3	4	5	6		140
Knoder	0	0	0	0	1	4	4	4	4	4	4	4	3	4	4	2	2	2	1	1	1	1	0	0	0	0	0	0	0	0		50
Myers 1	0	0	0	3	8	8	9	11	12	12	10	9	9	10	9	7	7	7	6	6	5	6	5	5	5	4	4	4	4	5		192
Myers Irrigation	1	4	12	12	12	12	11	11	11	11	11	11	10	11	10	9	9	8	7	8	8	7	4	6	5	3	2	3	2	2		233
Booth	9	10	10	10	12	13	15	17	18	17	16	15	14	15	13	11	11	12	8	9	11	14	13	8	5	9	20	19	19	19		392
Anel	7	7	7	7	7	7	6	6	6	6	5	5	5	4	4	4	4	4	4	4	4	4	3	3	3	2	2	2	1	2		135
Cornelison	7	7	7	6	6	5	5	5	4	4	4	4	3	3	3	3	3	2	2	2	2	2	2	2	2	2	3	3	3	0		105
Evanston Water Supply	8	9	9	9	9	9	14	19	19	19	17	15	16	17	17	17	19	18	16	16	16	13	11	10	10	9	8	8	8	8		397
Knight 1 & 2	2	2	2	2	2	4	9	9	9	9	8	9	9	9	9	11	16	16	15	15	15	12	6	5	5	3	8	8	8	8		251
State Hospital	2	2	2	2	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	8	8	8	4	2		63
Evanston Water	5	13	33	32	32	31	32	30	32	30	28	27	27	30	31	27	27	26	29	42	42	45	32	21	25	29	28	28	23	16		853
Barton	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	2	4	4	4	4	5	3		38
Faulkner	1	0	0	4	8	12	16	20	20	20	20	20	20	20	19	19	18	18	17	17	16	16	9	6	3	3	2	1	2	2		347
Rocky Mtn-Blyth	5	6	11	16	16	14	14	16	13	12	11	10	9	12	12	9	9	8	6	5	4	16	18	11	11	10	8	8	11	12		321
Bennett Ditch	0	0	0	2	2	7	2	2	2	1	1	1	0	0	0	1	1	1	1	1	2	2	2	1	3	1	1	1	1	0		32
Bryce-Barton	5	5	5	4	4	4	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3		111
A.W. Sims	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	3	4	4	4	4	4	4		139
Junction	0	0	0	1	2	2	3	3	3	2	2	1	1	0	1	1	1	1	2	2	2	2	3	2	2	2	1	1	1	0		44
Fearne Ditch	3	3	4	5	6	7	7	8	9	8	8	8	7	7	7	4	4	4	4	4	4	5	5	4	3	3	3	3	3	3		153
Saxton Turner	0	0	0	1	1	2	2	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	2	1	1	1	1	1	1		61
Saxton Irrigation	10	10	10	10	10	9	9	12	15	16	13	14	16	22	22	22	22	22	22	21	20	19	19	13	10	9	10	10	10	10		435
John Sims-So. Pacific	13	15	15	14	18	20	19	16	15	10	8	6	5	10	10	4	4	6	36	23	22	21	21	11	7	6	5	6	11	11		391
Ramsey	7	3	14	20	18	14	14	14	18	20	16	14	11	19	20	12	10	9	10	4	4	4	4	7	0	0	0	0	0	0		281
Almy	3	4	4	4	4	4	4	4	4	4	3	3	3	3	2	3	2	2	2	2	2	2	2	2	1	1	2	2	2	2		82
Sims-Blight-Turner	0	0	3	5	8	10	13	15	18	17	16	15	15	14	13	12	8	7	5	6	5	5	4	5	5	5	5	5	5	5		250
Bowns-Russell	7	10	10	9	9	8	8	8	7	7	7	6	6	6	5	4	4	3	3	3	3	2	2	2	2	3	4	5	5	6		164
Turner	8	8	8	8	8	8	9	9	9	8	7	7	6	5	4	4	3	3	3	2	2	2	2	2	2	2	3	3	3	3		151
Chapman Canal at Hd	82	95	95	113	136	136	136	136	125	113	107	104	100	115	117	106	105	104	86	82	78	79	77	68	64	56	51	47	66	64		2954
Bartlett-Upper Morris	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		1
Lower Morris	0	3	5	4	2	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0		28
Bowns and Bruce	0	25	22	23	19	15	13	11	10	8	7	6	5	10	12	8	7	7	5	4	3	3	3	3	2	2	1	1	1	1		238
Tunnel	23	24	24	23	22	22	26	26	27	26	25	25	23	25	24	20	14	12	11	10	11	11	11	11	11	11	12	11	11	11		544
Fowkes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Upper Island	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	2	2	3	4		25
Blight-Irrigation	0	0	0	1	1	1	1	2	2	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		16
Francis-Lee	53	53	54	55	56	57	54	54	52	51	51	50	46	44	43	43	43	43	43	43	43	43	44	44	45	47	52	53	55	54		1468
Bear River	89	86	88	88	88	95	100	103	95	110	110	100	80	79	77	77	75	74	74	73	72	71	71	71	70	76	86	86	89	84		2527
Total Upper Wyoming	515	601	677	755	796	798	856	877	863	837	795	739	682	708	650	601	574	569	579	592	622	622	582	528	507	530	545	549	566	573		19595
Adjusted For Storage	515	601	677	755	796	796	840	864	850	815	773	722	666	608	595	546	531	532	540	554	588	599	553	500	481	500	509	505	489	502		16881
Compact Allocation																									636	608	596	582	559	552		
LOWER UTAH																																
Neville	7	5	5	4	4	3	3	3	3	4	4	4	3	3	5	3	3	3	2	2	2	2	2	2	2	2	3	2	2	3		95
South	12	12	14	14	12	10	13	11	7	7	8	10	5	9	15	14	14	16	19	20	20	20	19	18	18	20	26	26	25	24		458
Rees Land & Livestock	55	51	52	51	49	46	61	56	51	63	63	60	52	48	46	56	56	46	46	46	52	56	55	56	55	60	68	58	67	66		1523
Crawford & Thompson	148	133	129	126	116	101	118	143	113	138	145	140	110	101	94	93	101	107	104	101	98	98	96	95	95	95	118	123	125	120		3424
Randolph Woodruff	288	262	257	244	236	243	267	313	278	313	331	324	287	285	276	281	292	290	284	282	279	276	270	262	256	253	314	320	317	312		8492
Dykens	16	14	11	10	8	6	7	16	9	15	18	26	32	29	26	25	26	25	24	23	27	22	21	21	20	19	24	27	28	27		597
Randolph Sage Creek	139	125	124	153	148	140	134	167	151	161	195	201	198	201	176	164	160	160	159	152	145	142	144	142	140	134	144	160	165	166		4691
McMinn	4	0	1	2	7	3	3	6	11	12	14	16	18	20	15	11	11	11	11	11	11	10	10	10	10	17	25	26	22	30		359
Enberg	31	32	31	29	25	22	19	18	19	18	20	21	22	23	23	23	21	20	19	18	18	15	14	13	12	9	7	11	13	14		580
B.Q. West Side	255	253	242	212	168	156	147	159	190	199	272	297	306	288	264	255	246	241	234	231	223	214	211	208	224	219	179	213	258	280		6844
Total Lower Utah	955	887	866	845	768	730	762	890	832	930	1070	1099	1033	1007	939	915	920	919	902	886	870	853	847	827	832	828	908	976	1030	1042		27163
Adjusted For Storage	955	887	866	845	768	730	700	670	640	625	610	585	570	558	550	540	523	517	503	490	482	470	460	450	440	425	410	400	390	378		17437
Compact Allocation																									506	499	490	478	459	454		
LOWER WYOMING																																
B.Q. West Slough	30	30	42	39	38	33	29	28	27	24	24	28	46	58	57	36	38	48	49	34	31	27	26	36	42	39	37	36	33	34		1079
B.Q. East Side	32	42	44	44	46	45	43	43	54	60	60	63	69	72	72	65	68	60	44	30	25	21	21	30	31	32	33	34	35	36		1357
McFarland	20	22	24	25	23	22	20	18	17	14	14	15	17	18	16	12	12	12	9	3	1	1	1	4	4	3	2	2	1	1		362
Pixley	6	5	7	31	34	34	34	34	34	33	30	29	34	39	59	58	58	58	57	59	58	53	50	43	37	35	33	31	26	20		1109
Total Lower Wyoming	88	99	117	138	141	134	126	123	132	131	128	135	165	187	194	174	176	178	159	126	115	102	98	113	114	109	105	103	95	91		3897
Adjusted For Storage											128	125	122	120	118	116	113	110	106	106	101	98	98									3418
Compact Allocation																									120	119	116	113	109	108		
Bear River bl Pixley Dam	221	215	126	136	128	128	128	124	120	116	96	91	107	141	185	276	310	320	353	366	344	312	293	218	204	188	174	159	147	138		5864
Divertible Flow	1788	1812	1796	1894	1843	1798	1804	1791	1752	1696	1616	1531	1473	1515	1455	1485	1485	1486	1511	1524	1527	1491	1416	1292	1250	1233	1209	1180	1134	1121		45898

Note: Divertible Flow is the sum of all diversions plus Bear River below Pixley Dam minus storage water diverted.
Natural-flow diversion in each State section was equal to or less than compact allocation for period of water emergency, May 1-18 & June 25-Sept. 30. (See discussion of Article IV on page 18.)

Table 2

DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS WITH COMPACT ALLOCATION IN UPPER DIVISION

JULY 1976	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	
UPPER UTAH Hovarka (E.F.)	13	12	12	12	11	11	11	10	10	10	10	9	9	8	8	8	8	7	6	6	6	6	6	5	5	5	5	5	5	6	6	251
Compact Allocation	7	6	6	6	6	5	5	5	4	4	4	4	4	4	4	4	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	113
UPPER WYOMING																																
Hilliard East Fork	24	24	24	24	24	21	16	16	16	17	16	15	16	18	21	20	19	20	19	18	18	17	16	16	16	15	6	1	1	1	1	496
Lannon	14	14	13	12	12	6	1	1	1	1	1	4	9	10	9	9	9	9	9	9	11	11	10	7	7	7	7	7	7	7	8	244
Hilliard West Side	34	33	33	32	32	16	6	6	6	3	2	7	31	30	30	30	30	30	30	30	30	29	29	29	29	29	30	30	30	27	27	770
Bear	63	62	61	59	59	29	11	11	11	11	11	16	44	43	44	47	47	47	48	48	48	46	49	42	41	41	25	10	9	9	9	1096
Tropic	10	10	10	10	9	8	6	6	6	5	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	103
Danielson	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	2	2	3	4	5	5	6	7	6	6	6	6	6	5	5	5	130
Pine Grove & Crown	25	25	23	21	20	23	27	25	24	23	23	24	24	23	23	25	31	31	28	24	24	23	29	26	26	25	25	31	31	31	27	782
McGraw & Big Bend	15	15	14	12	12	12	12	12	12	12	12	11	7	7	7	6	6	6	6	9	8	8	7	7	6	6	9	8	7	8	5	283
Homer	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	50
Lewis	11	11	11	11	11	10	7	8	9	10	11	12	13	13	13	13	14	15	14	15	13	13	12	12	11	11	10	10	9	9	9	349
Lewis & Blanchard	6	7	7	8	9	8	4	3	3	3	3	2	3	5	5	6	6	7	6	4	4	4	4	4	4	4	4	4	4	4	4	149
Myers 2	1	7	9	8	8	10	11	11	9	9	9	9	10	10	10	10	10	10	10	9	9	9	9	9	6	6	9	10	9	7	9	272
Hare	2	4	4	4	3	3	3	3	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	73
Coffman 1 & 2	5	4	4	3	4	4	3	2	2	2	3	3	4	2	2	2	2	2	3	3	3	3	4	3	3	3	5	5	5	5	5	103
Knoder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	2
Myers 1	5	4	4	5	4	5	6	5	5	5	5	5	5	5	5	5	6	5	5	5	3	4	4	4	3	4	4	4	3	6	4	142
Myers Irrigation	4	3	3	3	2	2	5	4	4	3	4	5	6	6	5	5	7	4	3	3	5	4	5	6	4	4	5	5	5	6	6	134
Booth	12	16	14	11	11	12	15	19	18	17	16	17	20	19	16	12	9	13	14	12	8	5	5	12	11	11	6	8	11	15	6	391
Apel	3	5	6	7	6	9	7	4	4	5	5	5	5	4	4	4	4	4	4	4	4	4	3	3	3	2	3	3	3	4	4	137
Cornelison	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Evanston Water Supply	8	8	8	8	8	9	11	11	10	9	9	9	11	10	7	9	10	8	14	15	15	14	13	15	13	13	14	13	12	13	12	339
Knight 1 & 2	9	9	9	8	8	8	8	8	8	8	8	8	9	8	8	8	8	8	8	8	8	7	9	8	8	9	9	9	9	8	10	258
State Hospital	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	44
Evanston Water	20	25	29	28	27	27	26	18	18	18	19	20	30	29	31	30	28	29	29	28	28	28	26	25	23	23	23	23	21	21	23	772
Barton	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	3	3	3	4	4	4	4	3	3	2	2	2	2	3	3	3	84
Faulkner	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	3	2	2	2	2	2	2	0	0	0	0	0	57
Rocky Mtn-Blyth	12	11	11	11	9	7	11	9	7	7	7	7	7	7	7	7	6	6	7	7	6	6	4	1	0	0	0	3	18	17	9	222
Bennett Ditch	0	0	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	23
Bruce-Barton	3	3	3	3	3	3	3	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	45
A.W. Sims	4	4	3	3	3	3	3	2	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	0	0	0	0	0	52
Junction	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Fearne Ditch	3	3	3	3	3	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	40
Saxton Turner	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	0	0	0	0	0	0	0	25
Saxton Irrigation	1	1	1	1	1	1	1	1	1	2	2	3	5	5	5	5	1	2	3	3	3	2	1	1	1	1	1	2	3	3	5	68
John Sims-So. Pacific	10	9	9	9	7	14	27	26	18	17	15	15	15	13	13	12	10	11	11	10	9	10	10	9	9	9	10	12	10	12	18	388
Ramsey	5	5	5	5	5	5	5	8	8	17	25	26	17	16	8	4	2	1	1	1	0	0	0	0	1	1	4	4	2	6	13	200
Alay	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	1	1	1	1	1	1	2	3	3	3	3	3	1	0	0	0	55
Sims-Blight-Turner	5	5	5	5	5	5	5	5	5	5	5	6	7	6	4	4	3	3	2	1	1	0	0	0	0	0	0	0	0	2	3	97
Bowns-Russell	4	2	2	1	1	1	1	1	5	6	5	5	4	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45
Turner	3	3	3	2	3	2	2	2	2	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Chapman Canal at Hd	85	81	80	76	70	59	62	79	81	77	73	71	67	68	61	52	47	44	53	52	47	47	42	36	32	31	30	29	27	27	35	1721
Bartlett-Upper 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
Lower Morris	0	2	2	3	4	4	4	3	3	3	3	3	2	2	2	2	2	2	3	4	4	4	4	4	5	3	1	1	1	0	0	80
Bowns and Bruce	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Tunnel	12	11	10	10	9	7	6	11	13	12	12	12	11	11	12	10	10	10	10	9	9	9	9	8	8	7	6	5	5	4	4	282
Fowkes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Upper Island	5	5	5	5	5	6	6	6	6	6	5	5	5	4	4	4	3	3	3	3	3	3	2	2	2	1	1	1	1	1	0	111
Blight-Irrigation	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	13
Francis-Lee	54	54	54	54	53	44	24	22	16	16	17	15	14	14	14	14	14	13	14	14	14	4	0	0	0	0	0	0	0	0	0	552
Bear River	82	82	80	79	77	68	9	10	11	12	12	12	12	12	12	12	11	5	6	6	7	3	0	0	0	0	0	0	0	0	0	621
Total Upper Wyoming	576	562	580	562	549	472	374	377	363	365	370	381	435	426	405	388	374	368	365	374	363	339	319	309	293	286	265	256	260	265	274	11936
Adjusted For Storage	503	509	506	487	474	402	311	300	288	292	296	262	299	301	285	269	258	254	270	262	250	223	207	200	167	181	160	171	175	183	199	8973
Compact Allocation	538	518	489	481	486	440	385	377	368	361	357	356	385	398	364	339	312	302	301	287	257	221	218	214	201	176	163	198	191	195	209	10087
LOWER UTAH																																
Neville	3	2	2	2	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Booth	23	22	21	20	20	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125
Bees Land & Livestock	64	63	62	60	59	57	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	375
Crawford & Thompson	118	113	110	108	106	104	30	10	8	5	6	5	6	6	6	9	9	4	1	0	0	0	3	5	5	5	3	1	5	8	10	809
Randolph Woodruff	307	301	296	290	275	262	129	51	41	36	33	33	32	33	30	32	32	20	14	12	11	10	20	24	24	24	20	18	18	20	23	2471
Sykes	26	24	23	22	22	21	14	5	3	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	169
Randolph Sage Creek	163	161	161	166	163	162	151	124	102	87	79	75	70	66	63	61	60	60	57	56	54	54	52	50	50	49	50	50	52	54	57	2659
McMinn	30	29	28	28	28	27	26	22	18	15	13	13	12	10	9	7	5	3	2	1	1	1	0	0	0	0	0	0	0	0	0	328
Enberg	15	13	14	13	12	4	2	9	8	6	5	1	0	0	0	0	1	5	5	5	5	4	4	3	3	3	2	0	0	0	0	142
B.Q. West Side	286	284	285	291	285	289	278	218	143	115	103	100	91	76	66	77	67	62	58	54	49	42	40	39	34	35	1	3	7	7	7	3472
Total Lower Utah	1035	1012	1002	1000	971	945	639	440	323	267	241	229	212	192	176	186	174	154	137	126	120	111	119	121	116	96	76	72	82	69	97	10562
Adjusted For Storage	360	342	328	310	295	280	262	248	238	220	210	195	180	165	155	166	154	134	117	108	100	91	99	101	95	76	56	52	62	69	77	5346
Compact Allocation	442	425	401	396	399	361	316	309	302	296	293	285	301	302	260	241	225	218	218	206	182	159	159	155	144	126	122	144	136	139	169	7819
LOWER WYOMING																																
B.Q. West Slough	65	65	59	59	60	64	66	59	56	49	51	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	621
B.Q. East Side	35	36	38	40	40	41	42	41	39	36	36	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	437
McFarland	4	6	6	6	6	6	6	5	5	4	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59
Pixley	30	32	49	54	49	42	47	51	52	53	54	60	59	42	13	12	15	16	16	13	8	11	13	11	9	7	13	12	7	6	6	862
Total Lower Wyoming	115	119	152	159	155	153	161	156	152	142	145	81	59	42	13	12	15	16	16	13	8	11	13	11	9	7	13	12	7	6	6	1979
Adjusted For Storage	90	86	86	82	78	76	74	71	69	65	63	58	52	42																		1182
Compact Allocation	105	101	95	94	95	86	75	73	72	70	69	58	52	42	13	12	15	16	16	13	8	11	13	11	9	7	13	12	7	6	6	1225
Bear River bl Pixley Dam	126	99	59	86	126	123	123	135	141	144	144	179	202	230	180	141	120	128	129	120	86	62	67	65	59	42	56	116	87	78	78	3533
Divertible Flow	1092	1050	991	977	986	892	781	764	746	731	723	703	742	746	641	596	555	539	538	509	450	393	392	382	356	311	299	356	336	342	365	19285

Note: Divertible Flow is the sum of all diversions plus Bear River below Pixley Dam minus storage water diverted.
Natural-flow diversion in each State section was equal to or less than compact allocation for period of water emergency, May 1-18 & June 25-Sept. 30. (See discussion of Article IV on page 18.)

Table 3

DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS WITH COMPACT ALLOCATION IN UPPER DIVISION

AUGUST 1976	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	
UPPER UTAH Hovarka (E.F.)	5	4	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	6	4	3	3	3	3	3	3	3	116
Compact Allocation	3	3	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	44
UPPER WYOMING																																
Hilliard East Fork	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	2	2	1	1	1	1	33
Lannon	7	7	9	9	8	5	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51
Hilliard West Side	24	24	22	22	21	21	20	19	19	4	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	5	219
Bear	9	9	8	8	8	8	8	8	8	8	8	8	8	8	11	13	9	10	10	9	9	9	9	8	8	9	7	7	7	7	7	262
Tropic	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	3	2	90
Danielson	5	3	3	4	4	3	3	3	3	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	59
Pine Grove & Crown	25	24	24	21	18	16	14	13	12	15	16	15	14	12	9	9	9	9	9	8	6	6	8	9	10	10	11	10	9	7	7	385
McGraw & Big Bend	4	4	4	4	4	4	4	4	4	4	4	5	5	5	6	6	6	6	6	6	6	6	6	3	3	3	3	3	3	3	3	137
Homer	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Lewis	9	8	7	6	6	5	5	5	5	4	4	5	4	4	4	4	4	4	4	4	5	5	5	4	4	4	3	3	2	2	2	139
Lewis & Blanchard	4	4	4	4	4	3	3	3	3	3	4	4	3	3	3	3	4	4	4	4	4	4	4	4	4	3	3	3	2	2	2	106
Myers 2	11	9	8	6	6	8	7	7	7	7	8	7	6	5	4	5	6	6	7	5	6	6	8	9	7	6	7	6	5	4	3	204
Mare	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	4
Coffman 1 & 2	5	5	5	4	4	3	3	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	3	60
Knoder	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	1	1	1	1	1	0	0	0	0	12
Myers 1	5	5	5	5	5	7	5	4	4	4	5	4	4	5	6	6	4	4	5	6	4	2	4	3	2	1	1	3	2	1	0	123
Myers Irrigation	6	6	4	3	3	2	2	2	2	2	3	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	4	3	2	59
Booth	23	20	18	12	8	4	3	1	0	0	1	3	3	2	2	2	1	2	3	2	0	0	3	7	5	3	1	0	0	0	0	129
Anel	5	5	5	4	4	4	4	3	3	3	3	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	78
Cornelison	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Evanston Water Supply	12	11	10	9	8	8	8	8	8	8	8	9	9	9	9	9	8	8	9	8	8	8	9	9	10	9	9	9	9	8	8	271
Knight 1 & 2	10	10	10	9	9	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	7	7	7	7	7	7	6	6	6	227
State Hospital	3	3	3	3	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	25
Evanston Water	24	17	9	8	8	7	5	3	4	4	3	5	14	17	18	19	21	19	14	4	8	12	14	13	10	10	10	9	8	7	7	331
Barton	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Faulkner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	3	11
Rocky Mtn-Blyth	10	10	10	9	10	10	9	8	8	7	7	4	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	5	4	4	119
Bennett Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	10
Bruce-Barton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	2	4	4	4	4	4	4	43
A.W. Sims	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	3	3	4	4	5	5	5	3	4	5	5	5	5	5	69
Junction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	2	2	16
Fearne Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	11
Saxton Turner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	10
Saxton Irrigation	5	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	13
John Sims-So. Pacific	27	25	19	13	11	9	7	6	5	5	5	6	5	5	4	3	3	2	2	2	0	0	6	5	1	2	2	2	1	1	1	185
Ramsey	22	20	18	18	18	15	12	8	4	0	0	0	0	0	0	0	1	3	5	4	4	7	10	9	0	0	9	11	7	4	5	214
Almy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	7
Sims-Blight-Turner	4	6	5	5	4	4	3	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Bowns-Russell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	6
Turner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chapman Canal at Hd	57	53	48	42	34	30	25	24	23	11	10	10	12	11	10	10	10	10	11	10	9	9	10	9	6	8	12	12	12	11	12	561
Bartlett-Upper 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
Lower Morris	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Bowns and Bruce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tunnel	6	7	7	9	7	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Fowkes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Upper Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
Blight-Irrigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Francis-Lee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bear River	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	7	7	7	8	8	7	7	7	7	7	7	6	95
Total Upper Wyoming	333	311	275	243	219	196	168	148	140	106	105	104	109	105	106	109	103	110	118	103	98	106	131	128	105	107	121	125	122	107	112	4472
Adjusted For Storage	260	261	239	206	165	172	152	132	124	94	98	98	103	99	100	103	97	104	112	92	81	89	115	117	82	70	85	90	88	74	79	3797
Compact Allocation	262	263	284	233	211	203	185	171	164	145	147	147	148	145	143	144	141	155	150	136	124	120	135	129	116	118	122	122	123	109	107	4897
LOWER UTAH																																
Neville	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
Rees Land & Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crawford & Thompson	10	4	9	3	3	3	3	3	4	4	4	5	5	6	6	7	7	8	7	5	4	4	6	8	8	8	9	9	10	10	10	192
Randolph Woodruff	30	24	33	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	19	18	18	22	22	20	20	21	21	21	21	22	701
Sykes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Randolph Sage Creek	60	60	60	63	59	58	57	57	56	54	54	54	53	52	51	51	52	51	52	51	49	48	46	43	42	41	39	38	36	35	33	1553
McMion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Enberg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	8	8	0	1	8	9	37
B.Q. West Side	7	4	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	5	10	5	36
Total Lower Utah	107	92	103	90	86	85	83	83	83	81	81	82	81	81	80	81	82	82	82	76	72	68	76	75	70	77	77	69	73	84	79	2521
Adjusted For Storage	87	72	83	70	56	65	63	63	62	61	61	62	61	61	60	61	62	62	62	60	55	48	50	55	58	60	60	58	56	60	62	1929
Compact Allocation	185	185	196	161	145	139	128	117	112	100	101	101	102	99	98	99	97	103	104	94	85	83	92	88	79	82	83	83	85	75	74	3372
LOWER WYOMING																																
B.Q. West Slough	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B.Q. East Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
McFarland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pixley	7	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Total Lower Wyoming	7	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Adjusted For Storage																																
Compact Allocation	7	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Bear River bl Pixley Dam	98	114	156	116	103	103	96	91	87	87	86	85	83	81	78	76	76	76	78	76	71	64	59	47	53	68	58	55	59	48	38	2466
Divertible Flow	457	457	485	396	358	344	315	290	278	246	249	249	251	245	242	244	239	246	256	231	210	204	228	218	196	201	206	206	209	185	182	8323

Note: Divertible Flow is the sum of all diversions plus Bear River below Pixley Dam minus storage water diverted.
Natural-flow diversion in each State section was equal to or less than compact allocation for period of water emergency, May 1-18 & June 25-Sept. 30. (See discussion of Article IV on page 18.)

Table 4

DAILY DISCHARGE IN CFS OF BEAR RIVER CANALS WITH COMPACT ALLOCATION IN UPPER DIVISION

SEPTEMBER 1976	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	
UPPER UTAH																																
Havarka (East Fork)	3	3	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	3	3	3	3	1	0	0	0	0		58
Compact Allocation																																
UPPER WYOMING																																
Hilliard East Fork	1	1	5	5	4	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		49
Lannon	3	4	11	14	16	17	18	18	18	17	17	18	19	19	22	20	19	18	20	18	18	18	18	19	19	19	19	19	19	19		513
Hilliard West Side	10	15	7	12	6	5	5	5	5	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3		136
Bear	7	7	7	8	8	8	8	8	8	7	8	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7		223
Tropic	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2		40
Danielson	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		24
Pine Grove & Crown	4	6	31	38	37	23	26	24	19	19	18	18	17	14	12	10	8	5	5	2	2	1	1	1	1	1	1	1	1	1		347
McGraw & Big Bend	3	2	2	2	2	2	2	4	2	2	2	2	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3		80
Homer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Lewis	2	1	3	4	6	6	4	6	4	4	4	4	4	4	3	3	3	2	3	3	1	1	1	1	1	1	1	1	2	2		76
Lewis & Blanchard	1	1	2	4	4	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3		68
Myers 2	3	4	7	7	8	9	9	9	8	8	5	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		61
Hare	0	0	0	0	0	0	2	1	1	1	1	1	1	2	1	1	0	1	2	3	2	1	2	2	2	0	0	0	1	2		31
Coffman 1 & 2	3	3	3	3	3	1	3	3	2	2	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0		34
Kooder	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		12
Myers 1	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	1		21
Myers Irrigation	4	3	3	3	3	5	6	5	4	4	4	3	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4		118
Booth	0	0	0	0	0	6	12	11	9	7	6	4	5	4	3	2	3	1	2	2	3	3	4	4	4	5	5	5	5	5		120
Anel	1	1	1	1	3	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	4	4	4	4	5	5		69
Cornelison	0	5	5	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		30
Evanston Water Supply	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	8	7	7	8	8	8	8		227
Knight 1 & 2	6	6	5	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	7	7	7	8	7	7	7	6	6	6		202
State Hospital	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		20
Evanston Water	7	6	11	30	13	3	3	3	3	3	2	2	2	5	8	11	15	13	15	16	16	17	18	18	18	18	19	20	20	20		355
Barton	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		9
Faulkner	3	3	3	3	3	3	3	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		50
Rocky Mtn-Blyth	4	4	4	5	5	6	6	5	4	4	4	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4		117
Bennett Ditch	2	2	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		15
Bruce-Barton	4	4	4	4	3	3	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		29
A.H. Sims	5	5	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		19
Junction	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		36
Fearne Ditch	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1		55
Saxton Turner	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		30
Saxton Irrigation	1	0	0	0	1	1	1	1	1	2	2	3	2	2	2	2	2	2	2	2	0	0	1	1	1	1	1	1	1	1		37
John Sims-So. Pacific	6	11	11	7	8	8	8	8	7	7	4	3	3	3	3	3	3	3	3	5	6	8	5	7	7	7	8	7	7	7		183
Ramsey	0	0	0	0	0	1	4	7	8	9	5	0	0	0	0	0	0	0	0	0	0	3	4	4	4	4	6	5	5	3		72
Almy	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0		21
Sims-Blight-Turner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Bowns-Russell	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		11
Turner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Chapman Canal at Hd	13	27	35	26	24	27	34	35	33	33	23	15	15	18	18	18	2	2	2	3	4	5	7	9	9	9	10	10	10	10		486
Bartlett-Upper 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
Lower Morris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Bowns and Bruce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Tunnel	0	4	4	2	1	1	2	3	4	4	4	3	1	1	1	0	0	0	0	0	1	1	2	2	3	3	3	3	4	4		61
Fowkes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Upper Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Blight-Irrigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Francis-Lee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Bear River	4	2	11	16	15	14	16	21	26	26	25	25	24	24	22	22	13	11	11	11	7	8	3	9	8	6	1	0	0	0		388
Total Upper Wyoming	115	147	202	231	208	192	235	219	204	201	175	151	148	146	146	141	115	102	110	110	107	115	122	127	125	123	124	122	127	127		4497
Adjusted For Storage	54	52	81	112	101	100	131	136	124	132	148	126	125	125	127	131	108	95	105	105	105	112	118	123	122	123	124	122	127	127		3422
LOWER UTAH																																
Neville	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Booth	0	0	0	0	0	0	0	3	6	6	6	6	6	5	5	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0		51
Rees Land & Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0		2
Crawford & Thompson	10	12	13	9	8	8	7	21	34	30	28	28	26	25	24	22	10	5	2	11	10	7	7	4	5	5	3	3	2	2		376
Randolph Woodruff	23	27	29	16	1	4	6	55	39	103	103	101	100	100	98	95	40	5	3	3	0	0	0	0	3	3	3	6	6	6		978
Dykens	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		6
Randolph Sage Creek	32	30	29	28	27	25	24	23	31	31	30	29	29	28	27	28	30	20	17	16	15	14	13	12	11	10	10	10	10	10		669
McKinnon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Egberg	12	13	12	12	12	12	13	11	12	14	13	12	12	12	12	13	13	12	12	11	9	3	0	0	0	0	0	0	0	0		257
B.Q. West Side	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		1
Total Lower Utah	78	82	83	66	49	50	51	114	123	184	180	176	173	170	167	164	96	41	34	41	34	24	20	16	19	18	16	17	18	18		2322
Adjusted For Storage	62	60	55	40	38	35	38	40	40	40	40	40	40	40	40	40	40	40	34													1043
LOWER WYOMING																																
B.Q. West Slough	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
B.Q. East Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
McFarland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Pixley	0	0	0	0	0	0	1	1	2	2	3	4	4	4	5	5	5	5	3	1	0	0	0	0	0	0	0	0	0	0		45
Total Lower Wyoming	0	0	0	0	0	0	1	1	2	2	3	4	4	4	5	5	5	5	3	1	0	0	0	0	0	0	0	0	0	0		45
Bear River bl Pixley Dam	29	29	30	22	21	20	20	22	27	28	40	55	61	65	69	78	82	77	68	92	79	59	67	60	61	59	59	57	55	53		1544
Divertible Flow	148	144	168	176	162	157	192	201	195	204	234	227	232	236	243	256	237	220	212	241	220	198	208	202	205	201	199	196	200	198		6112

Note: Divertible Flow is the sum of all diversions plus Bear River below Pixley Dam minus storage water diverted.
Natural-flow diversion in each State section was equal to or less than compact allocation for period of water emergency, May 1-18 & June 25-Sept. 30. (See discussion of Article IV on page 18.)

Table 5

DAILY DISCHARGE IN CFS OF SMITHS FORK AND BEAR RIVER CANALS WITH COMPACT ALLOCATION IN CENTRAL DIVISION

MAY 1976	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	
WYOMING DIVERSIONS																																
BEAR RIVER CANALS																																
Garrett	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wyman East	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	5	6	6	5	6	84
Wyman West	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snyder	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	6	6	5	5	4	9	23	28	28	140
Rocky Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cook	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	22	35	40	36	147
J.R. Richards	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	0	0	0	0	18
TRIBUTARY CANALS																																
Goodell Ca. - Pine Cr	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8	8	8	8	8	7	7	6	7	6	6	6	6	7	8	250
V.R. Canal - Pine Cr	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	6	7	7	8	9	10	11	12	12	11	11	185
Collett Canal-Pine Cr	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	6	6	6	6	5	5	5	5	4	4	4	4	4	4	200
Grade Creek Canal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diamond CSP #3-Bruner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Haggerty West-Bruner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sublette C at Thompson	0	0	0	0	0	0	0	0	0	0	0	0	0	5	11	11	10	10	9	9	8	7	7	5	6	5	5	4	4	4	4	125
SMITHS FORK CANALS																																
Quinn-Bourne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Button Flat	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	124
Progress	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Emelle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cooper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wheelock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Covey Canal at Head	0	0	0	0	1	1	1	1	3	4	7	9	9	9	19	22	18	23	29	42	41	42	44	46	48	57	70	92	94	92	92	916
Covey Canal-Bruner Cr	0	0	0	0	0	0	0	0	0	0	0	0	0	15	15	14	14	13	13	12	12	11	11	10	10	9	9	9	8	6	7	200
Covey Canal-Spring Cr	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	4	4	4	5	5	5	5	5	6	6	6	6	7	7	112
Tanner, Hunt & Garrett	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	9	17	3	2	2	2	2	1	1	1	1	1	1	1	1	48
Whites Water	0	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	6	12	12	18	20	20	20	20	156
John Bourne-Collett Cr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fergeon (Collett Cr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stoner-Nichols (So Br)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Morgan (South Branch)	6	5	6	6	5	5	5	5	4	4	4	4	3	3	3	2	2	2	2	2	2	2	3	3	3	3	3	4	4	4	4	114
Cokeville Water-So Br	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	45
Tanner 1 (South Br)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Smiths Fk Canal-So Br	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Br 2-Smiths Fk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	25	25	25	25	24	23	22	21	20	19	18	17	15	15	14	14	336
South Br 1-Smiths Fk	0	0	0	0	0	0	0	0	0	2	5	2	0	0	30	18	0	0	0	0	0	7	9	12	15	16	22	26	30	36	45	227
Ice Star Ditch	0	0	0	0	0	0	0	0	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 WYO. DIVERSIONS	37	39	39	40	39	39	39	39	39	42	49	48	45	64	123	125	110	122	113	124	123	133	137	143	156	165	202	244	275	289	294	3476
IDAHO DIVERSIONS																																
Miller Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	16	16	16	15	15	14	13	13	13	14	14	11	160
Nuffer Canal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	20	23	29	31	31	30	176
Sorensen Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	25	23	22	21	21	126
Jensen Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loyd Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	6	5	3	2	1	0	29
Dingle Irrig. Canal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ream Crockett Canal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	38	52	63	173
Black Otter Canal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	45
Preston Montpelier Ca.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	17	30	30	30	31	32	32	32	35	36	37	43	56	451
LaRocco Kent Canal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
West Fork Canal	0	0	0	0	0	90	158	164	172	158	154	152	150	150	151	155	161	153	154	153	155	162	159	151	151	159	158	175	172	161	155	4033
Pugmire Ditch	0	0	0	0	0	0	0	0	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 IDAHO DIVERSIONS	0	0	0	0	0	90	158	164	172	158	154	152	150	150	151	155	171	163	181	199	201	208	206	202	217	244	259	299	316	323	371	5213
Rainbow Inlet Ca-Bear L	1210	1230	1290	1350	1430	1410	1420	1460	1540	1620	1700	1770	1830	1850	1810	1840	1910	1960	1900	1900	1920	1960	1880	1850	1830	1760	1620	1380	1240	1180	1100	50360
Bear R bl Stewart Dam	5	5	5	6	10	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	11	11	11	11	11	12	13	13	339
Idaho Divertible Flow	1215	1235	1295	1356	1440	1511	1590	1636	1724	1790	1866	1934	1992	2012	1973	2002	2093	2135	2093	2111	2133	2180	2097	2073	2058	2015	1890	1690	1568	1516	1484	55712
Wyoming Divertible Flow	37	39	39	40	39	39	39	39	39	42	49	48	45	64	123	125	110	122	113	124	123	133	137	143	156	165	202	244	275	289	294	3476
Total Divertible Flow	1252	1274	1334	1396	1479	1550	1629	1675	1763	1832	1915	1982	2037	2076	2096	2132	2203	2257	2206	2235	2256	2313	2234	2216	2214	2180	2092	1934	1843	1805	1778	59188
Wyoming Allocation (43%)																																
Idaho Allocation (57%)																																

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Table 6

DAILY DISCHARGE IN CFS OF SMITHS FORK AND BEAR RIVER CANALS WITH COMPACT ALLOCATION IN CENTRAL DIVISION

JUNE 1976	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	
WYOMING DIVERSIONS																																
BEAR RIVER CANALS																																
Garrett	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Sights	0	0	0	0	0	0	0	0	0	0	0	0	1	1	5	12	13	13	13	13	13	13	13	12	12	10	10	12	13	13		192
Wyman East	6	7	9	15	15	15	15	15	15	14	14	13	13	13	12	13	13	15	14	14	15	14	14	13	12	12	11	10	10	10		381
Wyman West	0	0	0	16	30	25	25	25	24	14	31	31	31	31	29	31	33	9	0	0	0	0	0	0	0	0	6	22	22	21		457
Snyder	26	26	25	22	19	17	20	20	19	19	18	18	18	16	15	15	17	20	20	18	18	15	14	12	12	14	16	17	17	16		539
Rocky Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	26	25	23	20	16	12	2	0	0	0		134
Cook	44	59	55	52	51	49	49	49	47	45	49	57	58	57	55	57	59	61	59	60	62	62	54	60	56	55	56	55	54	54		1647
J.R. Richards	0	3	12	12	13	13	13	13	13	13	12	12	14	15	14	14	15	16	16	16	15	15	14	13	12	12	11	10	10	10		321
TRIBUTARY CANALS																																
Goodell Ca - Pine Cr	8	9	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10		278
V.R. Canal - Pine Cr	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	12	12	12	13	12	12	12	11	11	11	10		337
Collett Canal-Pine Cr	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4		93
Grade Creek Canal	0	0	0	0	0	0	0	0	0	0	0	1	2	3	4	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4		77
Diamond C&P #1-Bruner	0	0	0	0	0	2	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4		111
Haggerty West-Bruner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Sublette C at Thompson	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2		88
SMITHS FORK CANALS																																
Quinn-Bourne	0	0	0	0	6	18	17	6	7	5	5	4	4	3	3	3	8	13	13	19	15	16	15	15	14	13	13	12	12	13		267
Button Flat	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	6	6	6	6	6	7	7	7	6	6	5	5	5	4		151
Progress	0	0	0	0	0	0	0	3	7	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	5	5	5	5	5	4		138
Emelle	0	0	0	6	16	14	14	15	13	14	13	13	12	12	15	16	16	16	15	15	26	36	36	34	32	31	29	28	27	27		540
Cooper	0	0	0	0	0	0	0	0	0	7	18	18	18	17	17	16	15	15	14	13	13	12	10	9	8	8	7	7	7	7		256
Wheelock	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2		95
Covey Canal at Head	91	95	98	95	98	100	102	100	99	106	109	106	106	102	98	98	96	98	95	99	100	99	98	96	87	96	92	91	91	92		2933
Covey Canal-Bruner Cr	7	7	6	6	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5		140
Covey Canal-Spring Cr	7	7	7	7	7	7	5	6	6	5	5	5	5	5	5	4	4	4	2	2	4	4	4	4	4	4	2	4	4	4		150
Tanner, Hunt & Garrett	2	3	4	4	4	3	4	4	4	4	3	3	3	1	2	3	2	3	2	1	2	4	5	5	4	3	3	2	2	2		97
Whites Water	19	26	42	41	40	39	39	40	40	40	41	40	40	40	38	37	36	35	36	30	28	33	32	33	33	33	33	32	31	40		1070
John Bourne-Collett Cr	14	14	14	14	14	14	14	14	14	14	14	13	13	12	11	11	10	10	10	10	10	10	10	10	10	10	9	8	6	4		341
Forgeon (Collett Cr)	5	10	10	10	10	10	10	10	10	10	10	9	8	6	5	4	3	3	3	3	2	2	2	1	1	0	0	0	0	0		157
Stoner-Nichols (So Br)	3	3	3	6	10	12	12	11	11	11	11	11	11	10	9	10	9	9	9	9	9	10	10	9	10	11	10	11	10	9		275
Morgan (South Branch)	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4		136
Cokeville Water-So Br	3	3	4	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		71
Tanner J (South Br)	0	0	0	0	0	0	6	12	12	12	12	12	12	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		84
Smiths Fk Canal-So Br	1	2	3	4	5	6	7	6	6	6	7	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		160
South Br 2-Smiths Fk	13	12	10	9	8	7	7	7	6	6	6	5	5	4	4	4	3	3	3	2	2	2	1	1	0	0	0	0	0	0		130
South Br 1-Smiths Fk	52	54	56	58	60	61	59	56	53	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		554
Ige Star Ditch	0	0	0	0	0	1	3	3	3	3	3	3	3	2	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0		32
TOTAL WYO. DIVERSIONS	392	379	399	420	454	461	474	466	461	452	437	437	440	418	405	417	422	415	394	395	426	439	423	414	388	388	374	384	377	392		12461
IDAHO DIVERSIONS																																
Miller Ditch	0	0	0	0	0	0	10	14	13	13	13	12	12	12	11	11	14	14	15	15	15	10	10	10	0	0	0	10	12	11		257
Nuffer Canal	30	29	29	28	27	26	26	26	25	24	24	24	24	24	23	23	24	10	0	15	27	27	27	27	25	24	23	23	22	21		707
Sorensen Ditch	20	20	20	19	18	18	18	18	18	17	16	16	15	15	14	14	14	14	15	19	14	14	14	14	14	14	14	14	14	14		474
Jensen Ditch	12	16	16	15	14	14	14	14	16	16	14	14	15	15	15	15	14	14	11	0	0	0	0	0	0	0	0	0	0	0		270
Loyd Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	1	1	1	1	0	0	0		17
Dingle Irrig. Canal	0	25	54	65	64	67	67	67	66	65	66	56	47	49	54	59	59	56	67	78	69	64	61	60	52	28	36	35	33	34		1613
Ream Crockett Canal	62	59	59	59	58	62	62	62	62	61	61	61	62	63	65	64	67	69	71	73	71	69	69	69	68	67	67	66	65	64		1933
Black Otter Canal	137	129	127	124	119	117	115	115	115	113	113	112	112	113	113	112	113	115	123	126	126	123	122	122	120	116	114	111	108	106		3531
Preston Montpelier Ca	45	44	43	40	36	42	43	16	0	10	30	35	41	41	41	41	43	48	51	43	41	46	49	48	46	44	41	40	37	37		1163
Lanacco Kent Canal	0	7	13	10	5	1	7	16	17	16	14	15	15	15	15	15	16	17	19	19	19	18	18	18	16	15	14	13	14	15		411
West Fork Canal	151	142	152	161	156	160	157	164	167	156	149	153	151	156	163	151	155	160	164	157	153	150	152	159	152	140	123	100	220	181		4657
Pugmire Ditch	6	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	10	10	11	12	12	12	12	11	11	10	10	9	8	6		295
TOTAL IDAHO DIVERSIONS	464	481	523	530	507	517	529	522	507	499	509	516	503	514	522	514	530	529	549	553	549	535	536	539	505	459	443	421	391	491		15325
Rainbow Inlet Ca-Bear L	971	866	824	724	623	583	556	549	549	517	482	463	479	482	488	491	498	539	648	684	662	648	604	594	563	513	482	381	323	262		17039
Bear R bl Stewart Dam	12	12	12	12	12	12	12	12	12	12	11	11	11	11	11	11	11	12	13	14	14	14	14	13	13	11	11	11	13	12		362
Idaho Divertible Flow	1447	1359	1359	1266	1142	1112	1097	1083	1068	1027	1002	990	984	1007	1021	1016	1039	1080	1210	1251	1225	1197	1154	1146	1081	983	936	813	869	765		32729
Wyoming Divertible Flow	329	370	399	420	454	461	474	466	461	452	437	437	440	418	405	417	422	415	394	395	426	439	423	414	388	388	374	384	377	392		12461
Total Divertible Flow	1776	1729	1758	1686	1596	1573	1571	1549	1529	1479	1439	1427	1424	1425	1426	1433	1461	1495	1604	1646	1651	1636	1577	1560	1469	1371	1310	1197	1246	1157		45190
Wyoming Allocation (43%)																																
Idaho Allocation (57%)																																

Table 7

DAILY DISCHARGE IN CFS OF SMITHS FORK AND BEAR RIVER CANALS
WITH COMPACT ALLOCATION IN CENTRAL DIVISION

JULY 1976	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	
WYOMING DIVERSIONS																																
BEAR RIVER CANALS																																
Garrett	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sights	13	13	12	11	11	12	10	10	12	14	15	16	17	16	17	14	14	16	16	15	12	12	7	6	6	12	15	17	17	17	17	412
Wyman East	10	10	9	9	9	10	10	10	10	10	9	9	10	9	9	8	8	8	8	8	8	7	6	5	6	0	0	0	0	0	0	208
Wyman West	21	25	25	24	25	27	27	26	25	25	24	23	25	25	25	21	20	7	0	0	0	0	0	0	0	0	0	0	0	0	0	420
Snyder	15	15	14	14	12	16	15	15	15	14	14	13	14	16	17	14	14	15	16	16	12	11	11	9	9	9	6	9	15	9	8	402
Rocky Point	0	0	12	21	21	22	22	22	19	18	17	15	13	15	16	17	18	21	27	22	15	13	10	8	6	7	0	0	15	3	8	470
Cook	54	56	54	52	53	55	54	53	52	50	49	47	47	44	46	39	37	38	29	27	23	19	16	17	16	14	11	13	16	14	16	1111
J.R. Richards	9	9	8	7	7	7	7	7	7	6	6	5	5	4	5	3	3	3	3	3	2	2	1	1	1	1	0	0	0	0	0	122
TRIBUTARY CANALS																																
Goodell Co - Pine Cr	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	310
Y.H. Canal - Pine Cr	10	10	10	10	10	10	10	10	10	10	11	11	12	12	13	13	12	12	11	11	10	10	10	10	10	10	10	10	11	11	11	331
Collett Canal-Pine Cr	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	2	2	2	2	2	2	2	3	2	3	4	4	102
Grade Creek Canal	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	124
Diamond C&P Al-Bruner	4	4	4	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Haggerty West-Bruner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sublette C at Thompson	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	62
SMITHS FORK CANALS																																
Quinn-Bourne	13	13	12	12	11	11	10	10	10	9	9	8	8	8	8	8	7	8	7	6	6	6	6	6	5	5	5	5	4	4	5	245
Sutton Flat	4	4	5	5	6	6	6	7	7	6	6	6	6	6	6	5	5	5	5	5	4	4	4	4	4	4	3	3	3	3	3	150
Progress	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	128
Emelle	27	22	26	23	22	21	20	19	18	18	17	17	17	16	16	16	15	15	15	15	16	14	14	14	14	13	13	13	13	13	16	529
Cooper	7	6	6	6	4	7	5	10	12	10	9	9	8	7	6	6	6	6	5	5	5	4	4	4	4	4	4	4	4	4	4	181
Wheelock	4	4	5	7	8	10	11	13	13	12	12	12	12	12	11	11	11	11	11	10	10	10	10	9	9	9	9	9	8	8	8	297
Covey Canal at Head	99	109	99	98	100	106	125	127	106	96	96	96	94	91	88	82	72	72	72	86	110	107	106	106	106	103	103	100	100	102	103	3060
Covey Canal-Bruner Cr	5	5	6	6	6	6	6	6	6	6	6	6	6	5	6	6	6	6	5	6	5	5	6	6	6	5	5	5	7	7	7	187
Covey Canal-Spring Cr	4	4	4	4	4	4	4	4	4	5	5	5	6	6	6	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	180
Tanner, Hunt & Garrett	4	4	4	3	3	4	4	4	4	4	4	3	3	2	2	3	4	4	4	3	0	1	2	2	2	2	1	1	1	1	2	85
Whites Water	44	40	39	38	36	38	34	35	38	36	35	34	30	30	30	33	37	40	39	35	18	10	14	13	12	16	18	17	19	24	25	909
John Bourne-Collett Cr	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Forgeon (Collett Cr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stoner-Nichols (So Br)	9	11	13	13	12	12	11	10	10	10	10	10	10	9	9	9	10	10	10	6	0	0	0	0	0	0	0	0	0	0	0	203
Morgan (South Branch)	4	4	4	4	4	3	3	2	3	0	0	0	0	0	0	0	0	1	1	2	2	3	4	4	4	4	5	4	4	4	4	76
Cokeville Water-So Br	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	93
Tanner 1 (South Br)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Smiths Fk Canal-So Br	5	5	5	5	5	5	5	5	5	5	4	3	2	1	0	0	0	0	0	0	0	0	6	6	6	6	6	6	6	6	6	114
South Br 2-Smiths Fk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Br 1-Smiths Fk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	19	19	42
Ign Star Ditch	0	0	0	0	0	0	0	0	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 WYO. DIVERSIONS	393	407	401	404	403	416	428	433	412	392	386	376	373	363	363	341	332	331	313	313	289	271	271	260	253	256	244	248	279	282	291	10524
IDAHO DIVERSIONS																																
Miller Ditch	10	10	9	7	7	7	7	6	6	6	6	6	6	6	5	5	4	3	3	3	3	4	4	3	0	0	0	3	5	5	5	154
Nuffer Canal	21	21	20	19	19	19	19	18	17	16	15	15	14	14	13	12	11	11	10	10	10	9	8	5	0	0	0	0	0	0	0	346
Sorensen Ditch	14	13	12	11	11	11	11	11	11	11	11	12	12	12	12	12	12	12	12	12	12	12	11	11	11	10	0	0	0	0	0	302
Jensen Ditch	0	10	11	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	0	0	0	0	0	0	0	231
Lloyd Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dingle Irrig. Canal	35	37	37	36	32	32	32	33	33	34	44	51	55	56	58	58	58	58	58	56	55	47	46	45	48	51	56	60	55	58	60	1479
Roan Crockett Canal	65	65	65	64	65	66	67	59	53	53	53	50	51	51	51	51	50	49	49	48	48	47	47	46	45	45	41	41	41	42	32	1600
Black Otter Canal	105	105	106	101	100	100	100	102	102	102	100	95	96	97	96	96	93	92	79	63	63	62	61	59	59	54	39	35	35	36	38	2470
Preston Montpelier Co	41	47	35	17	15	10	34	37	38	38	37	32	35	35	57	58	54	52	54	57	60	54	50	47	26	35	40	37	36	43	41	1289
LaRocco Kent Canal	14	14	14	14	13	11	11	11	11	11	12	10	11	11	10	11	6	9	10	11	12	10	9	7	7	7	9	8	9	10	9	324
West Fork Canal	144	127	124	122	120	124	120	118	118	104	86	74	52	8	8	7	7	7	7	7	7	7	7	6	6	5	6	6	6	6	6	1553
Pugmire Ditch	8	8	8	8	8	8	7	7	7	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81
TOTAL IDAHO DIVERSIONS	466	451	441	411	400	400	418	412	406	397	379	355	342	309	320	320	305	303	292	277	280	262	253	239	222	218	191	190	190	202	191	9629
Rainbow Inlet Ca-Bear R	256	260	252	252	238	236	213	209	198	213	220	200	192	262	245	257	238	224	267	315	333	295	257	236	224	220	220	173	189	215	207	7315
Bear R bl Stewart Dam	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	13	13	13	13	13	12	12	12	12	12	10	10	10	10	370
Idaho Divertible Flow	727	723	705	675	650	649	643	633	616	617	611	567	546	583	577	589	555	540	572	605	626	570	522	487	458	450	423	273	389	425	408	17514
Wyoming Divertible Flow	393	407	401	404	403	416	428	433	412	392	386	376	373	363	363	341	332	331	313	313	289	271	271	260	253	256	244	248	279	282	291	10524
Total Divertible Flow	1120	1130	1106	1079	1053	1065	1071	1066	1028	1009	997	943	919	946	940	930	887	871	885	918	915	841	793	747	711	706	667	521	668	707	699	28038
Wyoming Allocation (43%)																						362	341	321	306	304	287	257	287	304	301	3080
Idaho Allocation (57%)																						479	452	426	405	402	380	354	381	403	398	4080

Table 8

DAILY DISCHARGE IN CFS OF SMITHS FORK AND BEAR RIVER CANALS WITH COMPACT ALLOCATION IN CENTRAL DIVISION

AUGUST 1976	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	
WYOMING DIVERSIONS																																
BEAR RIVER CANALS																																
Garrett	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sights	18	20	22	22	20	21	22	22	25	29	32	32	32	31	29	31	32	31	33	35	35	37	39	40	39	41	14	0	0	0	0	784
Wyman East	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wyman West	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snyder	6	8	6	9	6	7	6	6	6	5	5	5	4	4	3	3	2	2	2	1	1	1	1	1	1	1	2	2	2	1	1	114
Rocky Point	10	13	14	17	14	13	7	10	9	8	10	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	131
Cook	15	16	16	19	17	17	13	10	10	12	15	14	14	12	11	12	11	11	10	10	9	8	5	6	6	6	8	8	8	7	7	343
J.R. Richards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRIBUTARY CANALS																																
Goodell Ca - Pine Cr	10	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40
V.H. Canal - Pine Cr	11	11	11	11	12	11	11	11	11	11	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	343
Collett Canal-Pine Cr	5	5	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	211
Grade Creek Canal	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	92
Diamond C&P #1-Bruner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Haggerty West-Bruner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sublette C at Thompson	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	62
SMITHS FORK CANALS																																
Quinn-Bourne	5	5	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	2	2	2	2	1	1	1	1	1	1	1	[illegible]	87
Button Flat	2	2	2	2	2	2	3	3	3	4	4	4	5	5	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	159
Progress	3	3	3	3	3	3	3	3	3	3	3	3	4	5	6	8	9	10	11	11	10	10	9	8	8	7	6	6	6	5	6	182
Emelle	21	19	18	17	17	17	16	17	17	17	15	15	15	15	15	14	14	14	14	14	13	13	13	13	12	11	10	7	7	7	7	434
Cooper	4	4	4	4	4	4	4	4	5	4	4	4	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	103
Wheelock	8	8	8	7	7	7	7	7	7	6	6	6	5	5	4	4	3	3	2	2	1	0	0	0	0	0	0	0	0	0	0	113
Covey Canal at Head	110	107	102	92	90	88	87	84	84	79	75	75	72	66	63	59	55	52	48	48	48	42	41	38	41	38	1	1	1	1	1	1789
Covey Canal-Bruner Cr	8	8	8	9	9	9	9	9	9	9	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	266
Covey Canal-Spring Cr	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	6	6	5	6	6	6	5	5	5	5	5	5	5	5	5	177
Tanner, Hunt & Garrett	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	1	1	19
Whites Water	27	25	26	26	26	25	23	23	23	23	23	23	22	23	22	23	23	26	26	25	24	24	28	30	24	25	29	29	22	15	14	747
John Bourne-Collett Cr	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	37
Forgeon (Collett Cr)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Stoner-Nichols (So Br)	0	0	7	10	11	12	10	10	10	12	13	13	13	13	13	13	13	12	13	13	13	13	14	14	14	14	14	14	13	13	13	361
Morgan (South Branch)	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	109
Cokeville Water-So Br	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	52
Tanner 1 (South Br)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	10	10	10	10	10	10	65
Smiths Fk Canal-So Br	6	6	6	6	6	6	6	6	6	6	6	6	5	5	4	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	93
South Br 2-Smiths Fk	0	1	1	1	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	0	0	0	0	43
South Br 1-Smiths Fk	22	24	24	24	24	23	23	23	23	22	21	21	20	20	20	20	20	21	20	20	20	20	21	21	20	20	21	21	21	21	21	667
Igo Star Ditch	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
TOTAL WYO. DIVERSIONS	316	319	325	324	300	303	288	286	287	287	289	280	271	258	252	251	242	241	235	234	229	222	225	223	222	225	167	150	141	132	131	7663
IDAHO DIVERSIONS																																
Miller Ditch	6	6	6	6	6	5	5	4	4	3	3	3	3	3	3	1	0	0	0	4	8	7	6	6	5	5	5	5	5	5	5	133
Nuffer Canal	0	0	0	0	0	0	0	0	0	10	15	15	15	15	14	14	14	15	15	15	15	15	15	15	15	15	15	14	13	13	13	315
Sorensen Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jensen Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loyd Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dingle Irrig. Canal	60	59	41	33	11	0	10	12	12	32	42	39	13	12	16	16	16	16	16	21	26	29	33	33	34	34	24	15	15	20	31	771
Ream Crockett Canal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Black Otter Canal	38	38	37	36	39	39	39	38	38	39	38	38	38	38	38	37	35	34	32	31	33	33	35	35	35	34	34	33	32	31	30	1107
Preston-Montpelier Ca	39	37	30	32	37	35	34	32	30	30	29	29	32	33	27	26	24	23	20	19	18	15	13	14	14	13	12	15	16	16	16	761
LaRocco Kent Canal	10	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
West Fork Canal	6	6	5	6	6	6	6	5	6	6	6	6	6	6	6	6	6	6	6	6	5	4	3	7	14	14	14	14	14	14	14	237
Pugmire Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	4	4	4	4	4	4	5	5	6	6	6	6	64
TOTAL IDAHO DIVERSIONS	159	150	120	115	99	85	94	92	90	120	133	130	107	107	104	100	95	96	93	100	109	107	109	114	121	120	109	103	101	105	115	3507
Rainbow Inlet Ca-Bear L	220	224	243	270	292	280	267	252	240	233	220	211	222	231	227	245	240	233	231	227	220	211	206	154	187	183	179	204	211	207	196	6960
Bear R bl Stewart Dam	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	7	7	7	7	7	7	33	46	4	4	4	5	5	6	6	312
Idaho Divertible Flow	389	384	373	395	401	375	371	354	340	363	363	351	338	347	340	354	347	336	331	334	336	325	342	316	312	307	292	312	317	317	317	10674
Wyoming Divertible Flow	316	319	325	324	308	303	288	286	287	287	289	280	271	258	252	251	242	241	235	234	229	222	225	223	222	225	167	150	141	132	131	7663
Total Divertible Flow	705	703	698	719	709	678	659	640	627	650	652	631	609	605	592	605	584	577	566	568	565	547	567	539	534	532	459	462	458	449	448	18337
Wyoming Allocation (43%)	303	302	300	309	305	292	283	275	270	280	280	271	262	260	255	260	251	248	243	244	243	235	244	232	230	229	197	199	197	193	193	7885
Idaho Allocation (57%)	402	401	398	410	404	386	376	365	357	370	372	360	347	345	337	345	333	329	323	324	322	312	323	307	305	303	262	263	261	256	255	10452

DAILY DISCHARGE IN CFS OF SMITHS FORK AND BEAR RIVER CANALS
WITH COMPACT ALLOCATION IN CENTRAL DIVISION

SEPTEMBER 1976	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	
WYOMING DIVERSIONS																																
BEAR RIVER CANALS																																
Garrett	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sights	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Wyman East	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wyman West	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Snyder	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rocky Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cook	0	6	8	8	7	7	7	7	7	7	8	9	9	9	9	9	9	9	10	4	0	0	0	0	0	0	0	0	0	0	0	154
J.R. Richards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRIBUTARY CANALS																																0
Goodell Co. - Pine Cr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86
W.H. Canal - Pine Cr	11	11	11	11	11	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	210
Collett Canal-Pine Cr	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	60
Grade Creek Canal	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0
Diamond C&P #1-Brunner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Haggerty West-Brunner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sublette C at Thompson	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	65
SMITHS FORK CANALS																																17
Quinn-Bourne	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116
Button Flat	7	7	7	7	7	7	7	7	7	7	6	6	6	5	5	4	4	3	3	2	2	0	0	0	0	0	0	0	0	0	0	27
Progress	6	6	5	4	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Smith	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95
Cooper	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	0
Wheelock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Covey Canal at Head	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	276
Covey Canal-Brunner Cr	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	150
Covey Canal-Spring Cr	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	30
Tanner, Hunt & Garrett	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Whites Water	14	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
John Bourne-Collett Cr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Forgeon (Collett Cr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	201
Stone-Nichols (So Br	13	13	13	13	13	13	13	13	13	13	13	6	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	90
Morgan (South Branch)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0
Cokeville Water-So Br	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	180
Tanner 1 (South Br)	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	0
Smiths Fk Canal-So Br	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Br 2-Smiths Fk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
South Br 1-Smiths Fk	21	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Igo Star Ditch	0	0	0	0	0	0	0	0	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 WYO. DIVERSIONS	131	107	88	87	85	84	82	81	71	66	65	54	52	51	51	50	50	48	49	42	38	36	36	37	37	37	37	37	36	36		1761
IDAHO DIVERSIONS																																98
Miller Ditch	5	4	4	4	4	3	3	3	3	3	3	3	4	4	4	4	4	4	4	5	7	7	7	2	0	0	0	0	0	0	0	327
Nuffer Canal	13	12	13	13	14	15	14	14	14	14	14	15	15	16	16	16	15	16	16	16	16	15	15	15	15	10	0	0	0	0	0	128
Sorensen Ditch	0	0	0	0	0	0	9	9	9	9	9	9	9	9	9	9	9	9	9	5	0	0	0	0	0	0	0	0	0	0	0	0
Jensen Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loyd Ditch	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	1108
Dingle Irrig. Canal	31	31	31	31	34	38	38	38	38	26	13	21	41	41	41	41	41	47	48	49	50	45	34	31	29	29	29	29	29	29	29	938
Dean Crockett Canal	0	18	27	27	28	28	28	28	28	29	28	28	29	29	29	24	43	47	48	49	50	45	34	31	29	29	29	29	29	29	29	923
Black Otter Canal	23	23	23	23	23	23	30	26	26	27	25	24	23	22	22	22	21	20	20	19	19	18	18	18	17	17	17	16	16	15	15	580
Preston Montpelier Fa	15	15	14	14	14	14	14	14	14	14	14	20	24	26	26	26	23	23	23	23	13	0	10	13	15	15	15	8	5	3	3	133
LaRocca Kent Canal	0	0	0	0	0	0	2	5	5	5	5	5	6	7	6	5	5	5	5	5	8	8	8	8	8	8	8	8	8	8	8	1124
West Fork Canal	14	15	14	14	14	14	14	14	38	49	48	52	57	56	54	50	44	44	45	44	44	49	46	46	46	46	46	46	36	25		67
Pughire Ditch	5	5	4	4	5	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	4	5	5	5	5	5	5	2	0	0	0	
TOTAL IDAHO DIVERSIONS	147	128	136	137	141	139	155	159	182	180	166	179	210	214	214	214	211	212	211	206	183	167	186	178	176	171	156	151	139	131		5122
Rainbow Inlet Ca-Bear L	191	181	159	164	164	154	150	150	132	118	118	107	116	121	121	118	112	100	97	116	97	48	119	183	173	138	146	142	144	152		3899
Bear R bl Stewart Dam	5	6	6	6	6	6	6	6	6	5	5	5	6	5	6	6	6	7	7	7	44	75	12	8	8	8	8	8	8	8	8	306
Idaho Divertible Flow	309	315	301	307	311	309	311	305	320	299	289	297	335	340	341	338	329	319	315	327	324	302	317	309	307	317	310	301	291	291		9327
Wyoming Divertible Flow	131	107	88	87	85	84	82	81	71	66	65	54	52	51	51	50	50	48	49	42	38	36	36	37	37	37	37	37	36	36		1761
Total Divertible Flow	440	422	389	394	396	393	393	386	391	365	354	351	387	391	392	388	379	367	364	369	362	338	353	346	344	354	347	338	327	327		11138
Wyoming Allocation (43%)	189	181	167	169	170	169	169	166	168	157	152	148	165	168	169	167	163	158	157	159	156	145	152	149	148	152	149	145	141	141		4789
Idaho Allocation (57%)	251	241	222	225	226	224	224	220	223	208	202	197	219	223	223	221	216	209	207	210	206	193	201	197	196	202	198	193	186	186		6349

Table 10

APPENDIX A

MORRISON, RINDLISBAKER & GILCHRIST
CERTIFIED PUBLIC ACCOUNTANTS
370 EAST 500 SOUTH SALT LAKE CITY, UTAH 84111
801 521-7800

Bear River Commission
Room 435, Utah State Capitol
Salt Lake City, Utah 84114

We have examined the statement of revenue and expenditures of the Bear River Commission for the fifteen months ended September 30, 1976. Our examination was made in accordance with generally accepted auditing standards, and accordingly included tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances. The statement for the fiscal year ended June 30, 1975 was examined by other auditors.

The Commission amended its by-laws to change its fiscal year end from June 30, to September 30 to conform with the federal fiscal year schedule. (See Note-2 to the financial statements.)

In our opinion the accompanying statement of revenue and expenditures present fairly the results of operations of the Bear River Commission for the fifteen months ended September 30, 1976, in conformity with generally accepted accounting principles applied on a basis consistent with the prior twelve months.

Morrison Rindlisbaker & Gilchrist

November 16, 1976
Salt Lake City, Utah

BEAR RIVER COMMISSION

STATEMENTS OF REVENUE AND EXPENDITURES (Note-2)

	Twelve Months Ended June 30, 1975	Fifteen Months Ended September 30, 1976
REVENUE		
Assessments		
State of Idaho	$ 14,000	$ 34,000
State of Utah	14,000	34,000
State of Wyoming	14,000	34,000
Total	42,000	102,000
Interest income	2,994	3,751
Total revenue	44,994	105,751
EXPENDITURES		
Commission's portion of direct expenses of the stream gaging program (Note-1)		
Personal services	34,098	38,778
Travel and subsistence	2,253	4,067
General office	3,936	5,605
Fiscal and administration	2,121	2,520
Washington office charges	4,242	5,040
Total	46,650	56,010
Administrative expenses		
Legal fee	300	300
Auditing fee	250	275
Transcription of minutes	100	100
Annual report	628	722
Surety bond	50	50
Other	20	26
Total	1,348	1,473
Total expenditures	47,998	57,483
EXCESS (DEFICIT) OF REVENUE OVER EXPENDITURES	(3,004)	48,268
Funds available at the beginning of the period	12,336	9,332
Funds available at the end of the period	$ 9,332	$ 57,600
FUNDS CONSIST OF		
Cash in bank	$ 332	$ 45,600
Savings subject to withdrawal	9,000	12,000
	$ 9,332	$ 57,600

See the accompanying notes to the financial statements.

BEAR RIVER COMMISSION

COMPARISON OF BUDGETED REVENUE AND EXPENSES TO ACTUAL (Note-2)

FOR THE FIFTEEN MONTHS ENDED SEPTEMBER 30, 1976

	Expected Revenue and Expenditures As Budgeted (Unaudited)	Actual Revenue and Expenditures	Increase (Decrease)
REVENUE			
Assessments			
State of Idaho	$ 34,000	$ 34,000	$ -0-
State of Utah	34,000	34,000	-0-
State of Wyoming	34,000	34,000	-0-
Total	102,000	102,000	-0-
Interest income	-0-	3,751	3,751
Total revenue	102,000	105,751	3,751
EXPENDITURES			
Commission's portion of direct expense of the stream gaging program (Note-1)			
Personal service	38,778	38,778	-0-
Travel and subsistence	4,067	4,067	-0-
General office	5,650	5,605	(45)
Fiscal and administration	2,520	2,520	-0-
Washington office charge	5,040	5,040	-0-
Total	56,055	56,010	(45)
Administrative expenses			
Legal fee	300	300	-0-
Auditing fee	250	275	25
Transcription of minutes	100	100	-0-
Annual reports	725	722	(3)
Surety bond	50	50	-0-
Other	-0-	26	26
Total	1,425	1,473	48
Total expenditures	57,480	57,483	3
EXCESS (DEFICIT) OF REVENUE OVER EXPENDITURES	$ 44,520	$ 48,268	$ 3,748

See the accompanying notes to the financial statements.

APPENDIX B

GAGING STATION RECORDS

Records of Streamflow for State line and other key stations are included herein. The record consists of description of the station and a table showing the daily discharge in cubic feet per second and monthly and yearly runoff in acre-feet for the 1976 water year.

The description of the station gives the location, drainage area, records available, type and history of gage, average discharge, extremes of discharge, general remarks, and a statement of cooperation where applicable. This is essentially the same information published in annual water-supply papers of the Geological Survey.

In the monthly summary below the daily table, the line headed "Total" gives the sum of the daily figures; it is the total second-foot-days for the month. The line headed "Mean" gives the average flow in cubic feet per second (second-feet) during the month. Quantities for the month are expressed in acre-feet (line headed "Ac-ft").

Records included herein have been collected by the U. S. Geological Survey through cooperative agreement with the Bear River Commission and by the Utah Power & Light Company.

BEAR RIVER BASIN
104. East Fork Bear River near Evanston, Wyo.

LOCATION.--Lat 40°52'25", long 110°47'00", in SE¼SW¼ sec.26, T.2 N., R.10 E., Summit County, Utah, Hydrologic Unit 16010101, Wasatch National Forest, on right bank 4.1 mi (6.6 km) upstream from mouth, 11.5 mi (18.5 km) upstream from Utah-Wyoming State line, and 28.7 mi (46.2 km) south of Evanston.

DRAINAGE AREA.--34.6 mi^2 (89.6 km^2).

PERIOD OF RECORD.--October 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 8,760 ft (2,670 m) from topographic map.

REMARKS.--Records good except those for winter months, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 631 ft^3/s (17.9 m^3/s) July 4, 1975, gage height, 4.15 ft (1.265 m); minimum, 5.9 ft^3/s (0.17 m^3/s) Apr. 8, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 334 ft^3/s (9.46 m^3/s) June 8, gage height, 3.19 ft (0.972 m); minimum observed, 8.5 ft^3/s (0.24 m^3/s) Mar. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	16	9.2	10	9.0	9.0	9.0	23	194	120	40	16
2	17	16	9.0	10	9.0	8.9	9.0	32	232	120	38	15
3	17	16	9.0	10	9.0	8.8	9.0	39	238	114	43	15
4	17	16	9.0	10	9.0	8.7	10	41	249	109	38	15
5	17	16	9.0	10	9.0	8.6	10	40	249	105	33	14
6	17	15	9.0	9.9	9.0	8.5	10	39	255	101	30	15
7	19	14	8.0	10	9.0	8.5	11	44	256	95	29	21
8	21	16	6.5	10	9.0	8.5	11	46	264	94	27	17
9	21	17	9.0	9.9	9.0	8.5	11	46	254	92	26	16
10	20	17	9.0	9.5	9.0	8.5	11	52	231	88	25	15
11	19	17	9.5	9.2	9.0	8.5	12	71	206	85	24	16
12	19	17	9.5	9.8	9.0	9.0	12	82	164	83	23	19
13	20	16	10	9.2	9.0	9.0	12	90	144	78	22	18
14	19	15	10	9.5	9.0	9.0	12	124	131	72	22	17
15	21	14	10	9.5	9.0	9.0	13	151	114	66	21	17
16	19	13	10	9.2	9.0	9.0	13	151	112	62	21	16
17	19	12	10	9.2	9.0	9.0	14	186	104	65	20	16
18	18	11	9.8	8.9	9.0	9.0	14	224	96	73	21	16
19	17	10	10	9.0	9.0	9.0	13	231	101	62	21	16
20	17	10	10	9.3	9.0	9.0	12	230	130	57	19	16
21	16	9.0	10	9.5	9.0	9.0	12	211	149	55	18	15
22	17	9.0	10	9.8	9.0	9.0	14	176	148	49	18	22
23	18	8.4	10	9.8	9.0	9.0	16	167	125	45	25	19
24	18	8.5	10	10	9.0	9.0	19	178	111	43	20	19
25	18	9.0	10	10	9.0	9.0	19	154	112	43	19	19
26	18	9.0	10	10	9.0	9.0	19	138	113	42	18	18
27	18	9.2	10	9.7	9.0	9.0	28	178	113	39	18	16
28	17	8.6	10	9.6	9.0	9.0	20	217	118	38	17	16
29	17	8.5	10	9.2	9.0	9.0	15	216	122	36	17	15
30	17	9.0	10	8.9	---	9.0	17	173	117	57	17	15
31	16	---	10	8.9	---	9.0	---	164	---	47	16	---
TOTAL	561	382.2	297.5	297.5	261.0	275.0	407.0	3914	4952	2235	746	506
MEAN	18.1	12.7	9.60	9.60	9.00	8.87	13.6	126	165	72.1	24.1	16.7
MAX	21	17	10	10	9.0	9.0	28	231	264	120	43	22
MIN	16	8.4	8.0	8.9	9.0	8.5	9.0	23	96	36	16	14
AC-FT	1110	758	590	590	518	545	807	7760	9820	4430	1480	992

CAL YR 1975 TOTAL 25489.4 MEAN 69.8 MAX 502 MIN 7.3 AC-FT 50560
WTR YR 1976 TOTAL 14828.2 MEAN 40.5 MAX 264 MIN 8.0 AC-FT 29410

BEAR RIVER BASIN

112. West Fork Bear River at Whitney Dam near Oakley, Utah

LOCATION.--Lat 40°50'30", long 110°55'35", in NE¼ sec.9, T.1 N., R.9 E., Summit County, Hydrologic Unit 16010101, Wasatch National Forest, on left bank 1,380 ft (421 m) downstream from Whitney Dam, 7 mi (11 km) upstream from Deer Creek, and 21.5 mi (34.6 km) northeast of Oakley.

DRAINAGE AREA.--6.79 mi² (17.59 km²).

PERIOD OF RECORD.--October 1963 to current year. Prior to October 1965 published as, "at Whitney Dam Site."

REVISED RECORD.--WRD Utah 1973: Drainage area.

GAGE.--Water-stage recorder and concrete control with V-notch sharp-crested weir since Aug. 4, 1966. Altitude of gage is 9,120 ft (2,780 m) from topographic map.

REMARKS.--Records good. Flow regulated by Whitney Reservoir, total capacity, 4,700 acre-ft (5.80 hm³) since July 1966.

AVERAGE DISCHARGE.--10 years (water years 1968-76), 8.77 ft³/s (0.25 m³/s), 6,350 acre-ft/yr (7.83 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 145 ft³/s (4.11 m³/s) June 13, 1965; maximum gage height, 3.08 ft (0.939 m) June 26, 1967; no flow July 24 to Sept. 30, Nov. 16-29, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 97 ft³/s (2.75 m³/s) July 12, gage height, 2.83 ft (0.863 m); minimum, 0.16 ft³/s (0.005 m³/s) Oct. 18, 19, 20, 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	1.5	1.5	1.4	1.4	1.4	1.4	1.3	.50	1.0	33	1.0
2	6.7	1.6	1.4	1.4	1.4	1.4	1.4	1.3	.46	1.0	19	25
3	6.6	1.5	1.4	1.4	1.4	1.4	1.4	1.3	.42	1.0	11	47
4	6.5	1.5	1.4	1.4	1.4	1.4	1.4	1.3	.38	1.0	11	42
5	3.0	1.5	1.4	1.4	1.4	1.4	1.4	1.2	.37	1.0	11	38
6	.23	1.4	1.4	1.4	1.4	1.4	1.4	1.2	.36	1.0	11	31
7	.30	1.4	1.4	1.4	1.4	1.4	1.4	1.1	.35	1.0	11	25
8	.59	1.4	1.4	1.4	1.4	1.4	1.4	1.1	.33	1.0	11	21
9	.55	1.5	1.4	1.4	1.4	1.4	1.4	1.0	.31	1.0	11	17
10	.49	1.6	1.4	1.4	1.4	1.4	1.4	.99	.29	1.0	7.0	13
11	.40	1.6	1.4	1.4	1.4	1.4	1.4	1.7	.72	1.0	1.6	8.4
12	.30	1.7	1.4	1.4	1.4	1.4	1.4	1.7	1.1	56	1.5	6.4
13	.27	1.7	1.4	1.4	1.4	1.4	1.4	1.6	1.1	89	1.4	5.3
14	.27	1.6	1.4	1.4	1.4	1.4	1.4	1.4	1.1	87	1.2	4.5
15	.38	1.6	1.4	1.4	1.4	1.4	1.4	.91	1.0	82	1.2	3.9
16	.27	1.6	1.7	1.4	1.4	1.4	1.4	.79	1.0	82	1.2	3.4
17	.22	1.5	1.4	1.4	1.4	1.4	1.4	.74	1.0	79	1.2	3.2
18	.18	1.4	1.4	1.4	1.4	1.4	1.4	.66	1.0	77	1.3	2.1
19	.17	1.2	1.4	1.4	1.4	1.4	1.4	.70	1.0	77	1.2	.97
20	.17	1.2	1.4	1.4	1.4	1.4	1.4	.76	1.0	75	1.2	.97
21	.55	1.2	1.4	1.4	1.4	1.4	1.4	.87	1.0	73	1.2	.94
22	1.1	1.2	1.4	1.4	1.4	1.4	1.4	1.1	1.0	71	1.2	.94
23	1.1	1.2	1.4	1.4	1.4	1.4	1.3	1.2	1.0	68	1.1	.90
24	1.1	1.2	1.4	1.4	1.4	1.4	1.3	1.2	1.0	65	1.1	.90
25	1.1	1.2	1.4	1.4	1.4	1.4	1.3	1.2	1.0	62	1.1	.90
26	1.1	1.2	1.4	1.4	1.4	1.4	1.3	1.2	1.0	59	1.1	.94
27	1.1	1.2	1.4	1.4	1.4	1.4	1.3	1.0	1.0	48	1.1	.94
28	1.1	1.3	1.4	1.4	1.4	1.4	1.3	.70	1.0	37	1.0	.94
29	1.1	1.3	1.4	1.4	1.4	1.4	1.3	.61	1.0	36	1.0	.94
30	1.2	1.6	1.4	1.4	---	1.4	1.3	.57	1.0	35	1.0	.90
31	1.3	---	1.4	1.4	---	1.4	---	.53	---	34	1.0	---
TOTAL	46.24	42.6	43.8	43.4	40.6	43.4	41.2	32.93	23.79	1303.0	160.9	308.38
MEAN	1.49	1.42	1.41	1.40	1.40	1.40	1.37	1.06	.79	42.0	5.19	10.3
MAX	6.8	1.7	1.7	1.4	1.4	1.4	1.4	1.7	1.1	89	33	47
MIN	.17	1.2	1.4	1.4	1.4	1.4	1.3	.53	.29	1.0	1.0	.90
AC-FT	92	84	87	86	81	86	82	65	47	2580	319	612

CAL YR 1975 TOTAL 3937.24 MEAN 10.8 MAX 118 MIN .17 AC-FT 7810
WTR YR 1976 TOTAL 2130.24 MEAN 5.82 MAX 89 MIN .17 AC-FT 4230

BEAR RIVER BASIN
114. West Fork Bear River below Deer Creek, near Evanston, Wyo.

LOCATION.--Lat 40°56'40", long 110°51'40", in NW¼SW¼ sec.6, T.2 N., R.10 E., Summit County, Utah, Hydrologic Unit 16010101, on left bank 0.8 mi (1.3 km) downstream from Deer Creek, 2.1 mi (3.4 km) upstream from mouth, and 22.9 mi (36.8 km) south of Evanston.

DRAINAGE AREA.--52.2 mi^2 (135.2 km^2).

PERIOD OF RECORD.--October 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 8,190 ft (2,496 m) from topographic map.

REMARKS.--Records good except those for winter period, which are fair. Flow regulated by Whitney Reservoir, total capacity, 4,700 acre-ft (5.80 hm^3), since July 1966.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 511 ft^3/s (14.5 m^3/s) June 8, 1975, gage height, 4.00 ft (1.219 m); minimum, 4.6 ft^3/s (0.13 m^3/s) Sept. 2, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 339 ft^3/s (9.60 m^3/s) May 14, gage height, 3.30 ft (1.006 m); minimum, 4.6 ft^3/s (0.13 m^3/s) Sept. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	16	11	12	10	9.0	9.6	51	129	31	55	5.3
2	15	15	11	12	10	10	13	67	131	29	46	19
3	15	16	11	12	10	10	13	86	126	27	24	68
4	15	15	11	11	10	10	12	98	118	26	21	64
5	14	15	11	11	10	10	13	104	109	24	20	58
6	12	13	11	10	10	10	12	111	101	23	19	50
7	14	13	11	10	10	10	11	118	97	23	18	47
8	17	14	11	10	10	11	15	127	91	21	18	37
9	16	14	11	10	10	11	15	147	84	20	18	30
10	16	14	11	11	10	10	17	187	78	18	17	24
11	15	14	11	10	10	10	21	229	79	19	8.8	17
12	15	14	11	10	10	10	22	208	77	58	7.9	12
13	15	14	11	10	11	9.0	21	210	82	120	7.3	10
14	15	14	11	10	13	8.8	20	250	79	118	7.0	9.4
15	14	14	11	9.8	11	10	19	263	71	112	6.7	8.1
16	15	13	11	9.2	10	9.0	16	227	64	108	7.3	7.8
17	14	13	11	9.6	10	8.6	15	236	64	107	6.6	7.0
18	14	13	11	10	11	8.9	15	241	59	106	7.5	7.3
19	13	13	11	10	11	10	14	236	51	104	7.5	6.8
20	12	13	11	10	11	11	14	222	47	102	6.6	7.1
21	12	12	11	11	10	11	18	195	46	100	6.4	6.7
22	15	12	11	11	10	11	26	190	44	97	6.4	7.8
23	16	12	11	12	10	11	29	166	43	93	9.1	7.5
24	21	12	11	12	10	10	34	167	41	91	7.7	7.9
25	20	12	11	11	10	9.6	34	145	38	89	6.5	7.7
26	16	12	11	10	9.9	10	27	142	37	86	6.0	7.6
27	16	12	11	10	9.5	10	25	150	35	77	6.5	7.4
28	34	12	11	11	9.0	10	22	157	33	59	6.1	7.3
29	30	12	11	10	8.6	10	27	152	33	58	5.7	7.3
30	17	12	11	10	---	10	37	134	33	59	5.3	7.2
31	15	---	11	10	---	10	---	127	---	57	5.2	---
TOTAL	504	400	341	325.6	295.0	308.9	586.6	5145	2120	2062	400.1	564.2
MEAN	16.3	13.3	11.0	10.5	10.2	9.96	19.6	166	70.7	66.5	12.9	19.0
MAX	34	16	11	12	13	11	37	263	131	120	55	68
MIN	12	12	11	9.2	8.6	8.6	9.6	91	33	18	5.2	5.3
AC-FT	1000	793	676	646	585	613	1160	10210	4210	4090	794	1130

CAL YR 1975 TOTAL 20419.1 MEAN 55.9 MAX 429 MIN 6.5 AC-FT 40500
WTR YR 1976 TOTAL 13057.4 MEAN 35.7 MAX 263 MIN 5.2 AC-FT 25900

BEAR RIVER BASIN

115. Bear River near Utah-Wyoming State Line.

LOCATION.--Lat 40 57'55", long 110 51'10", in SE¼ sec. 30, T.3 N., R.10 E., Summit County, Utah, Hydrologic Unit 16010101, on left bank just downstream from West Fork and 2.8 mi (4.5 km) upstream from Utah-Wyoming State line.

DRAINAGE AREA.--172 mi^2 (445 km^2).

PERIOD OF RECORD.--July 1942 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 7,965 ft (2,427.7 m) from river-profile map.

REMARKS.--Records good except those for winter periods, which are fair. Flow regulated slightly by Whitney Reservoir, usable capacity 4,200 acre-ft (5.18 hm^3) since 1966. Three diversions above station for irrigation of about 265 acres (107,000 m^2) above and 2,600 acres (10.5 km^2) below station.

AVERAGE DISCHARGE.--34 years, 192 ft^3/s (5.44 m^3/s), 139,100 acre-ft/yr (172 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,980 ft^3/s (84.4 m^3/s) June 6, 1968, gage height, 3.79 ft (1.155 m); maximum gage height, 4.27 ft (1.301 m) June 6, 1957; minimum discharge determined, 16 ft^3/s (0.45 m^3/s) Apr. 11, 1951, Nov. 5, 1954, Nov. 1, 1955, Oct. 30, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,070 ft^3/s (30.3 m^3/s) May 18, gage height, 2.79 ft (0.850 m), no peak above base of 1,100 ft^3/s (31.2 m^3/s); minimum, 27 ft^3/s (0.76 m^3/s) Mar. 26, 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	60	58	47	40	40	40	210	705	238	131	37
2	56	60	53	47	40	40	45	250	824	236	116	38
3	56	58	53	49	39	40	50	265	846	207	93	74
4	55	59	53	49	38	40	55	280	869	183	87	72
5	53	58	50	49	38	40	60	296	827	174	76	69
6	46	58	50	49	38	39	55	300	808	161	71	67
7	48	58	50	49	38	38	60	320	809	156	63	74
8	57	59	49	46	37	37	65	350	789	153	60	67
9	54	53	49	45	36	35	65	390	789	147	60	59
10	57	59	48	44	36	35	70	480	709	142	59	53
11	55	56	50	45	42	37	75	600	623	140	52	49
12	53	55	49	45	44	35	80	580	477	178	50	48
13	56	56	49	45	40	35	85	600	417	237	47	48
14	55	57	50	45	40	34	80	750	365	217	45	47
15	51	58	50	45	39	34	80	830	296	196	44	45
16	57	56	50	44	38	35	75	760	273	180	45	44
17	63	55	51	44	39	34	75	840	255	181	43	42
18	63	53	50	44	37	35	75	930	227	210	45	41
19	60	56	50	43	38	34	70	930	229	187	47	41
20	57	55	50	42	39	40	60	900	318	178	44	42
21	57	55	50	41	40	38	67	810	399	172	42	42
22	61	55	50	40	40	38	84	730	401	166	41	46
23	56	55	50	40	40	37	96	670	310	161	52	48
24	59	55	50	40	40	36	112	690	253	149	51	46
25	66	53	50	40	40	35	131	600	240	147	44	46
26	68	55	49	40	40	38	130	533	237	148	41	49
27	65	55	48	39	40	35	135	645	227	139	41	45
28	68	56	47	37	40	35	110	795	248	130	40	45
29	72	61	47	38	40	35	105	822	253	125	39	45
30	65	60	47	38	---	36	135	666	234	150	38	44
31	63	---	47	40	---	35	---	609	---	143	38	---
TOTAL	1809	1699	1547	1349	1136	1135	2425	18425	14259	5330	1745	1513
MEAN	58.4	56.6	49.9	43.5	39.2	36.6	80.8	594	475	172	56.3	50.4
MAX	72	61	58	49	44	40	135	930	869	238	131	74
MIN	46	53	47	37	36	34	40	210	227	125	38	37
AC-FT	3590	3370	3070	2680	2250	2250	4810	36550	28280	10570	3460	3000

CAL YR 1975 TOTAL 87468 MEAN 240 MAX 1810 MIN 39 AC-FT 173500
WTR YR 1976 TOTAL 52372 MEAN 143 MAX 930 MIN 34 AC-FT 103900

BEAR RIVER BASIN

157. Sulphur Creek above reservoir, near Evanston, Wyoming.

LOCATION.--Lat 41°08'38", long 110°48'16", in SE¼SW¼ sec.35, T.14 N., R.119 W., Uinta County, Hydrologic Unit 16010101, on right bank 1.2 mi (1.9 km) downstream from Willow Creek, 2 mi (3.2 km) upstream from Sulphur Creek Dam, and 11.5 mi (18.5 km) southeast of Evanston.

DRAINAGE AREA.--64.2 mi² (166.3 km²).

PERIOD OF RECORD.--October 1957 to current year. Monthly discharge only for October and November 1957, published in WSP 1734.

GAGE.--Water-stage recorder. Altitude of gage is 7,180 ft (2,188 m) from topographic map.

REMARKS.--Records good except those for winter months, which are poor. Several diversions for irrigation above station.

AVERAGE DISCHARGE.--19 years, 17.0 ft³/s (0.48 m³/s), 12,320 acre-ft/yr (15.2 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,220 ft³/s (34.6 m³/s) Apr. 21, 1965, gage height, 6.02 ft (1.835 m); maximum gage height, 6.19 ft (1.887 m) Mar. 11, 1972 (backwater from ice); no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 609 ft³/s (17.3 m³/s) Apr. 5, gage height, 5.37 ft (1.637 m); no flow Sept. 1-6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.30	3.0	4.6	4.0	4.0	6.0	191	27	10	4.7	.84	0
2	.30	2.7	4.6	4.0	4.0	5.8	264	32	7.2	3.2	.54	0
3	.30	2.0	4.8	4.0	4.0	4.5	303	38	5.6	2.8	.48	0
4	.30	1.9	4.8	4.0	4.0	4.0	345	42	5.4	2.2	.42	0
5	.30	1.6	4.8	4.0	4.0	4.0	496	40	4.5	1.2	.33	0
6	.30	1.7	5.0	4.0	4.0	4.0	372	44	4.7	1.1	.26	0
7	.42	1.7	5.0	4.0	4.0	4.5	188	46	4.5	.68	.18	.14
8	.68	2.2	5.0	4.0	4.0	5.0	162	67	5.4	.54	.12	.08
9	.54	1.9	5.2	4.0	4.0	5.0	176	54	5.1	.51	.09	.07
10	.51	1.4	5.4	4.0	4.0	4.9	137	57	4.5	.54	.09	.06
11	.45	1.6	5.4	4.0	4.0	4.5	133	69	4.5	1.2	.09	.07
12	.48	1.6	5.6	4.0	4.0	4.0	98	66	5.6	1.3	.08	.09
13	.68	1.7	5.8	4.0	4.0	4.5	79	57	12	1.3	.07	.12
14	1.0	2.0	5.8	4.0	4.0	5.0	64	76	33	1.1	.07	.14
15	1.2	2.2	5.8	4.0	4.0	6.0	51	101	24	1.1	.06	.12
16	1.3	2.8	5.8	4.0	4.0	7.0	55	68	12	.92	.06	.08
17	1.3	3.2	5.8	4.0	4.0	9.0	50	66	14	.92	.06	.07
18	1.2	2.7	5.8	4.0	4.0	12	50	65	14	1.2	.07	.07
19	1.1	3.2	5.6	4.0	4.0	20	50	61	9.9	1.2	.07	.08
20	1.0	3.6	5.4	4.0	4.0	30	50	56	6.9	.92	.06	.08
21	1.1	3.8	5.2	4.0	4.0	40	50	40	3.4	.76	.05	.08
22	1.2	4.0	5.0	4.0	4.0	60	45	67	2.0	1.2	.06	.12
23	1.4	4.2	4.8	4.0	5.0	50	42	58	2.0	.57	.22	.12
24	1.3	4.2	4.6	4.0	6.0	80	40	40	2.4	.68	.18	.14
25	1.2	4.2	4.4	4.0	8.0	100	38	32	3.8	1.1	.16	.14
26	1.7	4.2	4.2	4.0	10	110	33	29	3.6	.54	.12	.14
27	2.8	4.4	4.0	4.0	12	100	35	24	2.5	.45	.09	.10
28	2.2	4.4	4.0	3.8	10	110	34	15	2.5	.33	.06	.09
29	2.7	4.4	4.0	4.0	8.0	139	27	12	2.2	.26	.07	.09
30	4.5	4.6	4.0	4.0	---	113	26	15	3.2	.26	.05	.09
31	4.9	---	4.0	4.0	---	107	---	12	---	.39	.03	---
TOTAL	38.66	87.1	154.2	123.8	147.0	1157.9	3682	1474	220.4	35.17	5.15	2.38
MEAN	1.25	2.90	4.97	3.99	5.07	37.4	123	47.5	7.35	1.13	.17	.079
MAX	4.9	4.6	5.8	4.0	12	139	496	101	33	4.7	.84	.14
MIN	.30	1.4	4.0	3.8	4.0	4.0	26	12	2.0	.26	.03	0
AC-FT	77	173	306	246	292	2300	7300	2920	437	70	10	4.7

CAL YR 1975 TOTAL 7896.31 MEAN 21.6 MAX 178 MIN .30 AC-FT 15660
WTR YR 1976 TOTAL 7127.76 MEAN 19.5 MAX 496 MIN 0 AC-FT 14140

BEAR RIVER BASIN

159. Sulphur Creek below reservoir, near Evanston, Wyoming.

LOCATION.--Lat 41°09'21", long 110°50'05", in SE¼SE¼ sec. 28, T.14 N., R.119 W., Uinta County, Hydrologic Unit 16010101, on left bank 400 ft (122 m) downstream from Sulphur Creek Dam, 6.3 mi (10.1 km) upstream from mouth and 10.5 mi (16.9 km) southeast of Evanston.

DRAINAGE AREA.--69.2 mi² (179.2 km²).

PERIOD OF RECORD.--April 1958 to current year.

GAGE.--Water-stage recorder and concrete V-notch control. Altitude of gage is 7,120 ft (2,170 m) from topographic map.

REMARKS.--Records good. Flow regulated by Sulphur Creek Reservoir, capacity, 7,100 acre-ft (8.75 hm³). Records prior to 1965 do not include flow over spillway of the dam.

AVERAGE DISCHARGE.--11 years (water years 1966-76), 27.0 ft³/s (0.765 m³/s), 19,560 acre-ft/yr (24.1 hm³/yr).

EXTREMES FOR PERIOD OF RECORD (SINCE 1966).--Maximum discharge, 425 ft³/s (12.0 m³/s) May 10, 1974, gage height, 3.71 ft (1.131 m); no flow at times each year except 1972.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 83 ft³/s (2.35 m³/s) Mar. 19, gage height, 2.05 ft (0.625 m); no flow on many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	0	9.3	9.1	2.9	2.8	75	73	23	54	42	61
2	13	0	9.3	9.0	2.8	2.8	75	63	19	53	33	71
3	13	0	9.3	8.8	2.9	2.8	74	27	16	54	26	69
4	7.8	0	9.3	8.8	2.9	2.8	74	27	14	54	27	68
5	0	0	9.3	8.8	2.9	2.9	36	27	9.9	53	24	60
6	0	0	9.3	8.8	2.9	3.0	3.5	27	9.3	52	14	53
7	0	4.7	9.3	8.8	2.9	3.0	3.5	27	9.6	61	5.5	49
8	0	8.8	9.3	8.8	2.9	2.9	3.6	27	6.4	78	5.6	47
9	0	8.6	9.3	8.8	2.8	2.9	3.8	21	7.3	76	5.6	44
10	0	8.7	9.3	8.8	2.8	2.9	11	4.0	7.9	75	5.7	37
11	0	8.8	9.3	8.8	2.8	2.9	39	4.1	8.0	75	6.0	4.8
12	0	10	9.3	8.8	2.8	2.9	40	4.2	9.5	65	6.0	4.8
13	0	9.2	9.3	8.8	2.9	3.0	40	4.0	18	49	6.0	4.0
14	0	9.1	9.3	8.8	2.9	3.0	40	4.0	47	40	6.0	.01
15	0	9.1	9.3	8.8	2.9	3.0	41	4.1	73	40	5.8	0
16	0	9.1	9.3	7.0	2.9	3.0	42	4.0	58	39	5.7	0
17	0	9.1	9.3	3.3	2.8	3.0	42	4.0	47	39	5.7	0
18	0	9.1	9.3	3.0	2.8	3.0	42	4.0	42	39	5.8	0
19	0	9.1	9.3	3.0	2.8	35	42	3.9	36	40	6.0	0
20	0	9.1	9.1	3.0	2.8	82	64	3.6	29	39	11	0
21	0	9.1	9.1	3.0	2.7	82	80	4.1	21	42	17	0
22	0	9.1	9.1	3.0	2.7	81	80	5.1	16	47	17	0
23	0	9.3	9.1	2.9	2.7	80	78	17	15	46	16	0
24	0	9.3	9.1	2.9	2.8	80	77	32	14	46	16	0
25	0	9.3	9.1	2.9	2.8	80	77	40	14	46	22	0
26	0	9.3	9.1	2.9	2.8	79	76	41	14	48	37	0
27	0	9.3	9.1	2.9	2.8	79	76	39	12	49	36	0
28	0	9.3	9.1	2.8	2.8	78	74	34	20	49	35	0
29	0	9.3	9.1	2.9	2.8	78	75	31	54	50	33	0
30	0	9.3	9.1	2.9	---	76	74	28	50	48	33	0
31	0	---	9.1	2.9	---	76	---	26	---	42	33	---
TOTAL	45.8	215.1	285.9	183.8	82.0	1038.6	1556.4	660.3	711.9	1588	547.4	572.61
MEAN	1.48	7.17	9.22	5.93	2.83	33.5	51.9	21.3	23.7	51.2	17.7	19.1
MAX	13	10	9.3	9.1	2.9	82	80	73	73	78	42	71
MIN	0	0	9.1	2.8	2.7	2.8	3.5	3.8	5.3	39	5.5	0
AC-FT	91	427	567	365	163	2060	3090	1310	1410	3150	1090	1140

CAL YR 1975 TOTAL 8899.50 MEAN 24.4 MAX 208 MIN 0 AC-FT 17650
WTR YR 1976 TOTAL 7489.81 MEAN 20.5 MAX 82 MIN 0 AC-FT 14860

BEAR RIVER BASIN

195. Chapman Canal at State Line, near Evanston, Wyoming.

LOCATION.--Lat 41°24'24", long 111°02'26", in SE¼ sec.36, T.17 N., R.121 W., Uinta County, Hydrologic Unit 16010101, on left bank at Highway bridge, 6.5 mi (10.5 km) downstream from headgates, and 10 mi (16 km) northwest of Evanston.

PERIOD OF RECORD.--April 1942 to current year (prior to October 1944, irrigation seasons only). Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder and flashboard control. Altitude of gage is 6,570 ft (2,003 m) from river-profile map. Prior to Oct. 11, 1946, nonrecording gage, and Oct. 11, 1946 to Aug. 2, 1961, water-stage recorder at site 20 ft (6 m) downstream at same datum.

REMARKS.--Records fair. Canal diverts water from Bear River in NW¼ sec.36, T.16 N., R.121 W. Many diversions above station for irrigation in Wyoming. Flow at station is for storage in Neponset Reservoir, Utah, and irrigation in Saleratus basin, Utah.

AVERAGE DISCHARGE.--32 years (water years 1945-76), 20.0 ft³/s (0.57 m³/s), 14,490 acre-ft/yr (17.9 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 143 ft³/s (4.05 m³/s) June 24, 1970; no flow at times each year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	6.6				0	2.0	60	51	21	31	3.3
2	19	5.3				0	2.0	63	48	22	34	6.0
3	19	4.2				0	2.0	65	46	25	33	12
4	17	2.8				0	2.0	69	44	23	30	10
5	14	.49				0	2.0	71	41	19	25	8.8
6	12	0				0	2.0	74	42	13	20	9.7
7	11	0				0	2.0	74	41	13	17	12
8	12	0				0	2.0	79	37	27	13	11
9	13	0				0	2.1	77	37	33	12	11
10	13	0				0	40	38	35	33	10	11
11	13	0				0	40	39	29	28	8.4	9.1
12	13	0				0	46	43	28	29	8.6	2.6
13	14	0				0	42	43	28	23	11	1.8
14	15	0				0	41	46	40	23	12	1.6
15	14	0				.50	41	50	41	22	12	1.4
16	14	0				.50	41	41	32	19	11	1.6
17	14	0				.50	39	41	25	18	11	1.6
18	14	0				.50	38	43	21	17	11	2.6
19	13	0				.50	39	43	19	19	12	4.5
20	13	0				1.0	40	45	19	19	11	3.8
21	12	0				1.0	41	52	18	17	9.1	3.8
22	12	0				1.0	40	53	19	17	9.4	3.8
23	12	0				1.0	42	49	22	14	11	4.7
24	12	0				1.0	43	48	24	12	12	6.6
25	11	0				1.0	44	44	19	9.1	10	7.6
26	12	0				1.0	46	39	14	9.4	7.4	7.6
27	14	0				1.0	44	50	11	8.8	11	7.6
28	13	0				1.0	43	53	6.8	8.6	12	8.1
29	12	0				1.0	44	72	7.6	8.4	10	7.8
30	14	0			---	1.0	60	72	19	8.4	4.9	7.4
31	14	---			---	1.0	---	76	---	11	4.2	---
TOTAL	425	19.39	0	0	0	14.50	906.1	1712	864.4	569.7	434.0	190.4
MEAN	13.7	.65	0	0	0	.47	30.2	55.2	28.8	18.4	14.0	6.35
MAX	20	6.6	0	0	0	1.0	60	79	51	33	34	12
MIN	11	0	0	0	0	0	2.0	38	6.8	8.4	4.2	1.4
AC-FT	843	38	0	0	0	29	1800	3400	1710	1130	861	378

CAL YR 1975 TOTAL 8013.46 MEAN 22.0 MAX 139 MIN 0 AC-FT 15890
WTR YR 1976 TOTAL 5135.49 MEAN 14.0 MAX 79 MIN 0 AC-FT 10190

BEAR RIVER BASIN

201. Bear River above reservoir, near Woodruff, Utah.

LOCATION.--Lat 41°26'04", long 111°01'01", in NW¼NW¼ sec.29, T.17 N., R.120 W., Uinta County, Wyoming, Hydrologic Unit 16010101, on right bank 9.3 mi (15.0 km) upstream from Woodruff Narrows Dam and 10 mi (16 km) southeast of Woodruff.

DRAINAGE AREA.--752 mi² (1,948 km²).

PERIOD OF RECORD.--October 1961 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,455 ft (1,967.5 m) from river-profile map.

REMARKS.--Records good except those for winter months, which are fair. Diversion for irrigation of about 43,500 acres (176 km²) above station.

AVERAGE DISCHARGE.--15 years, 254 ft³/s (7.19 m³/s), 183,800 acre-ft/yr (227 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,340 ft³/s (94.6 m³/s) June 13, 1965, gage height, 5.89 ft (1.795 m); minimum, 0.1 ft³/s (0.003 m³/s) Aug. 24, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,320 ft³/s (37.4 m³/s) May 20, gage height, 4.37 ft (1.332 m); minimum, 4.2 ft³/s (0.12 m³/s) Sept. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	120	147	80	70	210	316	266	578	79	14	5.5
2	33	101	161	80	75	200	417	303	614	71	30	5.5
3	32	101	166	75	75	160	482	340	626	54	37	6.2
4	32	95	144	75	75	140	602	380	578	46	24	5.5
5	34	93	112	80	75	120	738	417	536	37	18	5.5
6	30	93	107	80	75	110	668	435	459	29	14	5.2
7	28	91	112	80	75	105	512	453	423	21	12	5.5
8	31	99	109	80	75	100	476	512	386	23	10	5.9
9	40	107	107	80	80	100	650	530	375	38	8.9	6.2
10	43	91	109	85	80	100	584	542	340	38	8.4	7.0
11	45	86	105	85	80	92	554	584	312	33	6.6	7.0
12	49	88	101	85	80	100	584	693	298	39	5.9	6.6
13	66	82	97	85	80	100	465	693	281	33	5.5	5.9
14	82	109	88	85	80	100	392	751	355	31	5.5	5.5
15	82	107	88	85	85	100	365	1010	360	26	5.5	5.2
16	86	107	88	85	85	100	335	1100	294	24	5.5	4.8
17	82	114	91	85	85	110	294	1090	277	22	5.5	4.5
18	81	109	88	85	85	160	254	1150	277	23	5.5	4.8
19	77	97	84	85	85	250	258	1210	214	26	5.9	4.8
20	72	178	84	85	85	300	262	1220	158	25	5.2	5.2
21	69	137	85	80	85	300	285	1180	150	21	5.2	5.2
22	69	101	85	80	85	250	298	1100	155	22	5.2	5.5
23	79	127	85	75	80	300	326	930	152	21	6.2	5.5
24	79	137	85	75	80	300	330	894	147	17	5.9	5.9
25	71	127	85	70	80	650	340	850	125	15	5.5	6.2
26	74	101	85	70	80	600	404	738	105	13	5.5	6.6
27	109	114	85	70	85	566	360	700	84	12	5.2	6.6
28	109	142	85	70	95	404	355	799	76	12	5.5	7.0
29	90	142	85	68	140	355	298	857	72	9.8	6.2	7.0
30	101	140	85	70	---	345	262	799	76	9.3	5.9	6.2
31	114	---	85	70	---	262	---	620	---	9.8	5.5	---
TOTAL	2021	3336	3123	2443	2395	7089	12466	23146	8883	879.9	294.7	174.0
MEAN	65.2	111	101	78.8	82.6	229	416	747	296	28.4	9.51	5.80
MAX	114	178	166	85	140	650	738	1220	626	79	37	7.0
MIN	28	82	84	68	70	92	254	266	72	9.3	5.2	4.5
AC-FT	4010	6620	6190	4850	4750	14060	24730	45910	17620	1750	585	345

CAL YR 1975 TOTAL 111559.0 MEAN 306 MAX 2000 MIN 18 AC-FT 221300
WTR YR 1976 TOTAL 66250.6 MEAN 181 MAX 1220 MIN 4.5 AC-FT 131400

BEAR RIVER BASIN

202. Woodruff Narrows Reservoir near Woodruff, Utah.

LOCATION.--Lat 41°30'10", long 111°00'55", in sec.32, T.16 N., R.120 W., Uinta County, Wyoming, Hydrologic Unit 16010101, in gate house at Woodruff Narrows Dam on Bear River, 5.6 mi (9.0 km) upstream from Wyoming-Utah State line, and 7.7 mi (12.4 km) east of Woodruff.

DRAINAGE AREA.--784 mi² (2,031 km²).

PERIOD OF RECORD.--October 1965 to current year.

GAGE.--Water-stage recorder and mercury manometer. Datum of gage is 6,405 ft (1,952.2 m) from levels by Bureau of Reclamation.

REMARKS.--Reservoir formed by earth-fill, rock faced dam. Lower portion of spillway cut in natural rock. Storage began Jan. 5, 1962. Total capacity, 28,000 acre-ft (34.5 hm³) below spillway crest, which includes 18,240 acre-ft (22.5 hm³) of Compact allocation for irrigation, 4,260 acre-ft (5.25 hm³) of irrigation holdover, 4,000 acre-ft (4.93 hm³) for winter release for fish propogation in Utah, and 1,500 acre-ft (1.85 hm³) of storage for fish propogation in Wyoming. Gage height of spillway is 35.3 ft (10.76 m). Figures given herein represent total contents.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 33,080 acre-ft (40.8 hm³) May 11, 1974, June 10, 1975, gage height, 38.3 ft (11.67 m); minimum observed, 1,570 acre-ft (1.94 hm³) Sept. 21, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 31,370 acre-ft (38.7 hm³) May 19, 20, 21, 22, gage height, 37.3 ft (11.37 m); minimum observed, 1,570 acre-ft (1.94 hm³) Sept. 21.

Capacity table (gage height, in feet, and total contents, in acre-feet)

6.75	1,570	18	8,360	30	20,180
8	2,080	20	10,000	32	23,040
10	3,020	22	11,600	34	25,800
12	4,120	24	13,360	36	29,000
14	5,370	26	15,570	38	32,520
16	6,780	28	17,770		

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21030	22450	26320	27830	27970	28260	29000	29000	30080	12050	5840	4850
2	20700	22590	26490	27830	27970	28260	29000	29000	29930	10660	5840	4850
3	20360	22740	26660	27830	27970	28260	29000	29000	29930	9830	5840	4790
4	20060	22890	26840	27830	27970	28410	29000	29180	29930	8780	5840	4790
5	19840	23040	27020	27830	27970	28410	29000	29180	29930	7790	5840	4720
6	19720	23290	27200	27830	27970	28560	29000	29370	29740	7010	5840	4720
7	19720	23290	27550	27830	27970	28560	29000	29370	28860	6930	5770	4660
8	19720	23410	27690	27830	27970	28560	29000	29550	28260	6860	5770	4360
9	19720	23520	27830	27830	27970	28560	29000	29550	27830	6700	5710	4000
10	19720	23760	27970	27830	27970	28560	29000	29740	26840	6630	5710	3660
11	19840	23760	27970	27830	28120	28560	29000	29740	25650	6560	5640	3330
12	19840	23890	28120	27830	28120	28560	29000	29930	24860	6560	5570	3020
13	19960	23890	28120	27830	28120	28710	29000	30080	24560	6480	5570	2720
14	19960	24010	27970	27970	28120	28710	29000	30230	24140	6410	5500	2440
15	20060	24140	27970	27970	28120	28860	29000	30630	23760	6340	5500	2170
16	20180	24410	27970	27970	28120	28860	29000	31030	23410	6260	5440	1870
17	20270	24560	27970	27970	28120	29000	29000	31200	23160	6190	5440	1710
18	20360	24710	27970	27830	28120	29000	29000	31200	22450	6190	5370	1670
19	20510	24860	27970	27830	28120	29000	29000	31370	21880	6120	5370	1630
20	20700	24860	27970	27830	28120	29000	29000	31370	21320	6050	5300	1590
21	20890	25010	27970	27830	28260	29000	29000	31370	20510	6050	5240	1570
22	20890	25170	27970	27830	28260	29000	29000	31370	19960	6050	5170	1570
23	21030	25340	27970	27830	28260	29000	29000	31030	19360	6050	5170	1570
24	21030	25500	27970	27830	28260	29000	29000	30850	18640	6050	5110	1570
25	21180	25500	27970	27830	28260	29000	29000	30850	17890	5980	5110	1570
26	21320	25650	27970	27830	28260	29000	29000	30410	16920	5980	5040	1570
27	21600	25800	27970	27830	28260	29000	29000	30410	15780	5910	5040	1570
28	21740	25970	27970	27970	28260	29000	29000	30410	14700	5910	4980	1570
29	21880	26140	27970	27970	28260	29000	29000	30410	13470	5910	4980	1570
30	22020	26320	27970	27970	---	29000	29000	30410	12490	5840	4920	1570
31	22310	---	27830	27970	---	29000	---	30230	---	5840	4920	---
MAX	22310	26320	28120	27970	28260	29000	29000	31370	30080	12050	5840	4850
MIN	19720	22450	26320	27830	27970	28260	29000	29000	12490	5840	4920	1570
(†)	31.5	34.3	35.2	35.3	35.5	36.0	36.0	36.7	23.0	14.7	(a)13.3	(a)6.75
(‡)	+990	+4010	+1510	+140	+290	+740	0	+1230	-17740	-6650	-920	-3350

CAL YR 1975.....‡ +11230
WTR YR 1976.....‡ -19750

† Gage height, in feet, at 2400 of last day of month.
‡ Change in contents, in acre-feet.
a Estimated.

BEAR RIVER BASIN

203. Bear River below reservoir, near Woodruff, Utah.

LOCATION.--Lat 41°30'20", long 111°00'50", in NW¼NW¼ sec.32, T.18 N., R.120 W., Uinta County, Wyoming, Hydr Unit 16010101, on right bank 1,100 ft (340 m) downstream from Woodruff Narrows Dam, 1.6 mi (2.6 km) upstr from Salt Creek, 5.4 mi (8.7 km) upstream from Wyoming-Utah State line, and 7.7 mi (12.4 km) east of Wood.

DRAINAGE AREA.--784 mi² (2,031 km²).

PERIOD OF RECORD.--October 1961 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 6,398.96 ft (1,950.403 m) above mean sea level (levels by Utah Water Resources Division from Bureau of Reclamation bench mark). Prior to Sept. 26, 1962, at site 175 ft (53.3 m) upstream at same datum.

REMARKS.--Records excellent. Flow regulated by Woodruff Narrows Reservoir (station 10020200) beginning January 1962. Diversions for irrigation of about 43,500 acres (176 km²) above station.

AVERAGE DISCHARGE.--15 years, 249 ft³/s (7.05 m³/s), 180,400 acre-ft/yr (222 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,000 ft³/s (85.0 m³/s) June 14, 1965, gage height, 7.88 ft (2.402 m); no flow July 4, 5, 1962.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,175ft³/s (33.1 m³/s) May 21, gage height, 6.21 ft (1.893 m); minimum, 3.3 ft³/s (0.09 m³/s) Sept. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	175	34	35	75	67	185	274	278	622	551	21	20
2	175	34	35	73	68	183	322	271	581	534	21	20
3	174	34	35	69	68	156	388	290	593	519	21	20
4	173	34	35	69	68	135	477	308	571	503	21	20
5	173	34	35	72	71	118	595	337	550	485	21	20
6	107	34	35	73	69	107	665	370	505	398	20	20
7	37	34	36	74	66	100	614	391	737	58	20	41
8	37	34	41	75	66	94	537	419	661	59	20	154
9	37	35	56	75	71	91	543	458	622	59	20	150
10	36	35	72	77	75	91	600	479	769	59	20	146
11	36	35	85	78	75	99	575	500	760	57	20	141
12	36	35	99	80	76	100	566	553	632	58	20	137
13	36	35	108	79	76	96	551	612	488	59	20	133
14	35	35	107	77	76	94	486	644	487	59	20	130
15	35	35	99	77	78	90	434	760	484	58	20	126
16	36	36	95	76	79	86	389	924	481	58	20	76
17	36	36	90	78	80	98	355	968	479	42	20	9.3
18	36	36	90	79	79	144	315	1000	476	27	20	8.3
19	35	36	86	80	78	238	288	1060	474	27	20	8.3
20	35	36	81	79	78	269	277	1130	470	27	20	8.3
21	35	36	78	76	77	268	280	1140	466	27	20	6.5
22	35	37	76	72	76	266	284	1130	464	27	20	7.0
23	34	37	77	69	75	262	288	1060	460	27	20	6.8
24	34	36	79	68	74	294	303	948	456	27	20	7.0
25	34	36	79	66	74	353	317	882	451	27	20	7.0
26	34	36	81	65	74	383	365	799	501	24	20	7.0
27	34	36	83	63	76	390	359	723	607	20	20	6.5
28	34	36	81	63	88	354	350	708	594	20	20	5.4
29	33	36	79	63	133	313	338	749	580	21	20	3.9
30	33	35	80	65	---	280	304	787	566	21	20	4.7
31	33	---	78	66	---	264	---	721	---	21	20	---
TOTAL	1853	1058	2226	2251	2211	6021	12439	21399	16587	3959	625	1450.0
MEAN	59.8	35.3	71.8	72.6	76.2	194	415	690	553	128	20.2	48.3
MAX	175	37	108	80	133	390	665	1140	769	551	21	154
MIN	33	34	35	63	66	86	274	271	451	20	20	3.9
AC-FT	3680	2100	4420	4460	4390	11940	24670	42440	32900	7850	1240	2880

CAL YR 1975 TOTAL 106479.0 MEAN 292 MAX 1960 MIN 23 AC-FT 211200
WTR YR 1976 TOTAL 72079.0 MEAN 197 MAX 1140 MIN 3.9 AC-FT 143000

BEAR RIVER BASIN

265. Bear River near Randolph, Utah

LOCATION.--Lat 41°48'02", long 111°04'20", in SE¼NE¼ sec.7, T.12 N., R.8 E., Rich County, Hydrologic Unit 16010101, on left bank 3.7 mi (6.0 km) upstream from Twin Creek, 5.0 mi (8.0 km) upstream from Utah-Wyoming State line, and 11 mi (18 km) northeast of Randolph.

DRAINAGE AREA.--1,616 mi² (4,185 km²).

PERIOD OF RECORD.--October 1943 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Altitude of gage is 6,200 ft (1,889.8 m), from river-profile map. Prior to Aug. 17, 1971, 0.2 mi (0.3 km) upstream at different datum.

REMARKS.--Records good except those for winter months, which are fair. Diversion for irrigation of about 94,500 acres (382 km²) above station. Flow regulated by upstream reservoirs.

AVERAGE DISCHARGE.--33 years, 207 ft³/s (5.86 m³/s), 149,700 acre-ft/yr (185 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,660 ft³/s (75.3 m³/s) May 8, 1952; maximum gage height, 8.99 ft (2.740 m) June 17, 1965, site and datum then in use; minimum discharge, 1.6 ft³/s (0.05 m³/s) Nov. 12, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,210 ft³/s (34.3 m³/s) Mar. 26, gage height, 6.88 ft (2.097 m); minimum, 13 ft³/s (0.37 m³/s) Aug. 31, Sept. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	128	90	126	102	86	240	600	421	236	184	85	18
2	129	90	131	109	82	402	600	411	251	182	82	21
3	129	91	126	104	84	523	700	395	248	174	87	23
4	131	91	122	103	92	526	800	391	230	165	83	21
5	136	91	117	107	76	450	900	398	195	166	80	20
6	154	91	114	107	60	370	1000	410	174	188	75	20
7	158	91	103	105	62	300	1100	429	161	187	73	23
8	134	91	94	99	93	200	892	456	159	168	70	23
9	102	90	86	104	92	184	860	467	159	158	67	23
10	90	90	80	114	96	180	754	487	157	148	66	38
11	86	93	67	112	93	192	745	510	151	138	65	58
12	86	98	59	105	89	217	744	515	214	111	64	64
13	91	103	102	110	91	217	698	530	263	95	62	67
14	89	90	124	105	92	233	678	562	334	84	59	70
15	92	87	147	109	90	243	647	590	347	72	55	74
16	89	76	124	109	92	247	598	587	337	68	56	78
17	87	73	117	115	89	264	555	621	356	68	57	77
18	85	79	104	118	90	354	522	681	335	60	58	69
19	78	79	102	118	90	634	481	688	321	47	57	53
20	78	67	108	110	90	728	442	678	295	41	55	45
21	81	91	114	98	90	685	423	517	261	38	46	42
22	87	96	121	102	90	731	413	536	242	39	39	52
23	89	100	121	98	90	875	411	560	227	36	27	64
24	90	103	124	97	90	936	402	553	205	31	34	48
25	87	94	122	100	90	1060	406	455	185	29	52	47
26	90	105	119	92	90	1200	423	390	153	54	40	45
27	96	102	118	89	90	1030	448	318	145	81	38	44
28	98	124	116	89	90	832	464	237	126	82	44	40
29	99	128	109	92	150	760	451	196	109	58	35	38
30	96	126	122	96	---	700	439	224	140	55	23	38
31	91	---	116	90	---	650	---	259	---	68	14	---
TOTAL	3156	2820	3455	3202	2619	16163	18586	14466	6736	3075	1748	1343
MEAN	102	94.0	111	103	90.3	521	620	467	225	99.2	56.4	44.8
MAX	158	128	147	118	150	1200	1100	688	356	188	87	78
MIN	78	67	59	89	60	180	402	196	109	29	14	18
AC-FT	6260	5590	6850	6350	5190	32060	36870	28690	13360	6100	3470	2660

CAL YR 1975 TOTAL 96929 MEAN 266 MAX 1830 MIN 44 AC-FT 192300
WTR YR 1976 TOTAL 77369 MEAN 211 MAX 1200 MIN 14 AC-FT 153500

BEAR RIVER BASIN

285. Bear River below Pixley Dam, near Cokeville, Wyo.

LOCATION.--Lat 41°56'20", long 110°59'05", in SE¼SE¼ sec. 25, T.23 N., R.120 W., Lincoln County, Hydrologic Unit 16010102, 800 ft (243 m) downstream from Pixley Dam, 11 mi (18 km) south of Cokeville, and 17.5 mi (28.2 km) downstream from Twin Creek.

DRAINAGE AREA.--2,032 mi² (5,263 km²).

PERIOD OF RECORD.--October 1941 to November 1943 (published as Bear River near Cokeville), October 1952 to September 1956, May 1958 to current year (irrigation seasons only). Monthly discharge only for some periods published in WSP 1314.

GAGE.--Water-stage recorder. Altitude of gage is 6,185 ft (1,885.2 m) from river-profile map. Oct. 31, 1941 to Nov. 30, 1943, at site 200 ft (61 m) downstream at different datum.

REMARKS.--Records good. Natural flow of stream affected by diversions for irrigation, return flow from irrigate areas, and regulation by upstream reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,300 ft³/s (65.1 m³/s) Mar. 25, 1956; minimum daily recorded, 0.3 ft³/s (0.008 m³/s) Aug. 21, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 583 ft³/s (16.5 m³/s) May 12, gage height, 5.52 ft (1.682 m); minimum daily, 20 ft³/s (0.57 m³/s) Sept. 6, 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---	535	221	126	98	29
2							---	514	215	99	114	29
3							---	493	126	59	156	30
4							---	473	136	86	116	22
5							---	473	128	128	103	21
6							---	487	128	123	103	20
7							---	497	128	123	96	20
8							---	516	124	135	91	22
9							---	533	120	141	87	27
10							---	548	116	144	87	28
11							---	570	96	144	86	40
12							---	583	91	179	86	55
13							---	479	107	202	83	61
14							---	479	141	230	81	65
15							---	529	185	180	78	69
16							---	550	276	141	76	78
17							---	557	310	120	76	82
18							---	568	320	128	76	77
19							---	579	353	129	78	68
20							---	575	366	120	76	92
21							---	527	344	86	71	79
22							---	493	312	62	64	59
23							---	504	293	67	59	67
24							---	510	218	65	47	60
25							---	471	204	59	53	61
26							---	417	188	42	68	59
27							---	306	174	56	58	59
28							---	279	159	116	55	57
29							575	245	147	87	59	55
30							567	215	138	78	48	53
31							---	213	---	78	38	---
TOTAL							---	14718	5864	3533	2466	1544
MEAN							---	475	195	114	79.5	51.5
MAX							---	583	366	230	156	92
MIN							---	213	91	42	38	20
AC-FT							---	29190	11630	7010	4890	3060

THE SEASON AC-FT 55780

BEAR RIVER BASIN

320. Smiths Fork near Border, Wyo.

LOCATION.--Lat 42°17'16", long 110°52'14", in NW¼ sec.33, T.27 N., R.118 W., Lincoln County, Hydrologic Unit 16010102, on left bank 4.6 mi (7.2 km) upstream from Howland Creek, 6 mi (10 km) downstream from Hobble Creek, and 12 mi (19 km) northeast of Border.

DRAINAGE AREA.--165 mi² (427 km²).

PERIOD OF RECORD.--May 1942 to current year.

REVISED RECORDS.--WSP 1734: 1952 (M).

GAGE.--Water-stage recorder. Altitude of gage is 6,680 ft (2,036 m) from topographic map. Prior to Oct. 16, 1945, at site 0.8 mi (1.3 km) downstream at different datum.

REMARKS.--Records good except those for winter periods, which are fair. One diversion for irrigation of about 200 acres (809,000 m²) above station.

AVERAGE DISCHARGE.--34 years, 199 ft³/s (5.64 m³/s), 144,200 acre-ft/yr (178 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,610 ft³/s (45.6 m³/s) June 18, 1971, gage height, 5.61 ft (1.710 m); minimum, 21 ft³/s (0.59 m³/s) Mar. 29, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,040 ft³/s (29.5 m³/s) May 15, gage height, 4.58 ft (1.396 m); minimum, 25 ft³/s (0.71 m³/s) Mar. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	113	95	77	60	60	50	61	286	848	496	243	129
2	111	95	73	60	55	50	62	361	874	485	226	127
3	110	95	74	60	55	50	64	437	896	458	221	125
4	109	93	78	60	50	50	71	528	896	437	211	123
5	108	92	76	60	50	50	83	554	879	427	204	122
6	108	92	74	60	49	50	98	588	870	414	200	122
7	108	93	73	60	50	50	97	636	867	399	195	126
8	114	92	73	60	50	50	107	672	851	388	191	120
9	110	84	73	60	50	50	120	752	832	374	188	118
10	110	87	69	60	50	50	119	793	811	362	186	117
11	108	89	66	60	50	50	135	832	794	358	183	116
12	114	89	71	60	50	54	162	799	726	341	182	121
13	117	89	68	60	50	52	172	777	698	328	177	116
14	113	86	62	60	50	52	180	859	626	316	172	113
15	107	85	64	65	52	50	203	980	577	305	171	111
16	106	85	62	65	53	47	188	871	568	297	171	109
17	106	83	60	64	51	51	171	848	543	292	166	109
18	106	82	60	68	50	52	172	902	566	294	166	111
19	104	82	61	60	50	54	175	946	529	282	166	108
20	103	74	60	60	52	51	162	976	519	275	156	108
21	102	86	60	60	50	53	192	946	548	266	153	107
22	104	84	60	60	50	52	208	967	582	260	151	108
23	102	80	60	60	50	56	227	947	578	253	162	109
24	101	79	60	60	50	55	242	926	551	247	154	107
25	94	80	60	60	50	57	276	883	523	244	148	107
26	106	82	60	60	51	55	251	822	505	239	146	106
27	105	92	60	60	50	57	224	809	488	234	147	106
28	99	83	60	64	49	55	216	848	480	228	140	104
29	95	80	60	75	50	55	215	902	488	225	137	103
30	100	71	60	67	---	58	239	899	482	224	135	102
31	98	---	60	68	---	57	---	862	---	230	133	---
TOTAL	3293	2581	2036	1913	1477	1623	4912	24204	19995	9978	5381	3410
MEAN	106	86.0	65.7	61.7	50.9	52.4	164	781	667	322	174	114
MAX	117	95	78	75	60	58	276	980	896	496	243	129
MIN	94	71	60	60	49	47	61	288	480	224	133	102
AC-FT	6530	5120	4040	3790	2930	3220	9740	48010	39660	19790	10670	6760

CAL YR 1975 TOTAL 80671 MEAN 221 MAX 1040 MIN 44 AC-FT 160000
WTR YR 1976 TOTAL 80803 MEAN 221 MAX 980 MIN 47 AC-FT 160300

BEAR RIVER BASIN

395. Bear River at Border, Wyoming

LOCATION.--Lat 42°12'48", long 111°03'11", in NE¼NE¼ sec.15, T.14 S., R.46 E., Bear Lake County, Idaho, Hydrologic Unit 16010102, on left bank 0.2 mi (0.3 km) west of Idaho-Wyoming State line, 0.5 mi (0.8 km) west of Border, and 2.1 mi (3.4 km) upstream from Thomas Fork.

DRAINAGE AREA.--2,486 mi² (6,438 km²).

PERIOD OF RECORD.--October 1937 to current year.

GAGE.--Water-stage recorder. Datum of gage is 6,051.61 ft (1,844.537 m) above mean sea level, unadjusted.

REMARKS.--Records good except those for winter months, which are fair. Natural flow of stream affected by regulation by upstream reservoirs, diversions for irrigation, and return flow from irrigated areas.

AVERAGE DISCHARGE.--39 years, 432 ft³/s (12.2 m³/s), 313,100 acre-ft/yr (386 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,680 ft³/s (104 m³/s) May 11, 1952, gage height, 8.89 ft (2.710 m), minimum daily, 30 ft³/s (0.85 m³/s) Aug. 18-22, 1940.

EXTREMES FOR CURRENT YEAR.--Maximum discharge,3,620 ft³/s (103 m³/s) Apr. 6, gage height,8.72 ft (2.658 m); minimum, 188 ft³/s (5.32 m³/s) Sept. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	292	292	220	270	246	276	980	976	1040	514	266	201
2	285	290	240	270	230	290	1060	1020	1020	493	268	195
3	283	290	240	270	220	310	1200	1070	996	464	277	214
4	283	288	260	270	217	340	1400	1130	900	433	310	210
5	281	285	260	270	220	440	2400	1190	876	438	272	199
6	285	281	260	260	220	520	3310	1220	856	461	261	195
7	299	288	270	250	220	530	2610	1260	844	467	253	197
8	312	296	280	227	220	500	2450	1300	844	447	251	197
9	301	285	290	240	220	455	2540	1380	809	449	246	195
10	290	277	300	250	220	400	2500	1440	790	438	240	197
11	283	266	290	250	220	340	2340	1500	772	424	242	197
12	281	250	290	260	220	292	2220	1500	761	419	236	208
13	285	270	290	260	220	300	2060	1500	769	447	232	220
14	283	280	310	260	220	320	1960	1480	790	416	228	220
15	274	280	300	260	230	310	1780	1500	740	461	226	216
16	266	285	280	260	230	310	1590	1640	754	405	224	216
17	266	281	270	270	220	310	1360	1650	832	397	222	218
18	263	255	290	270	228	330	1180	1630	906	414	222	222
19	257	253	300	260	228	360	1100	1660	940	433	224	228
20	255	230	300	250	210	508	1040	1690	912	424	220	216
21	253	260	290	250	210	600	1000	1680	916	367	214	242
22	253	260	280	250	210	700	1000	1640	880	340	205	228
23	259	260	270	250	210	650	1010	1610	856	306	207	214
24	259	260	260	250	220	700	1000	1590	809	294	214	234
25	259	260	260	250	230	750	1020	1530	716	288	208	234
26	263	250	270	250	230	750	1050	1440	676	281	207	224
27	285	250	260	250	230	800	1020	1290	629	255	222	220
28	285	240	280	240	240	850	1010	1160	580	261	222	216
29	281	240	270	250	250	850	992	1130	539	299	218	214
30	277	230	270	260	---	855	976	1110	539	266	216	212
31	299	---	270	250	---	900	---	1070	---	261	208	---
TOTAL	8597	8032	8560	7927	6467	15822	48818	43126	24295	12064	7261	6399
MEAN	277	268	276	256	223	510	1561	1391	810	389	234	213
MAX	312	296	310	270	250	900	3310	1690	1040	514	310	242
MIN	253	230	220	227	210	270	900	976	539	255	205	195
AC-FT	17050	15930	16980	15720	12830	31380	92860	85540	48190	23930	14400	12690

CAL YR 1975 TOTAL 205163 MEAN 562 MAX 2360 MIN 160 AC-FT 406900
WTR YR 1976 TOTAL 195368 MEAN 534 MAX 3310 MIN 195 AC-FT 387500

BEAR RIVER BASIN

460. Rainbow inlet canal near Dingle, Idaho

LOCATION.--Lat 42°13'48", long 111°17'43", in SE¼ sec.3, T.14 S., R.44 E., Bear Lake County, Hydrologic Unit 16010201, on left bank 1.5 mi (2.4 km) west of Dingle and 1.8 mi (2.9 km) downstream from headworks at Stewart Dam.

PERIOD OF RECORD.--January 1922 to current year. Monthly discharge only prior to October 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage datum is 5,922.0 ft (1,805.03 m) above mean sea level (by topographic survey). Prior to Oct. 1, 1923, at site 300 ft (91 m) downstream at different datum; Oct. 1, 1923 to Oct. 27, 1944, at site 0.5 mi (0.8 km) downstream at different datum.

REMARKS.--Records good. Canal diverts from Bear River at Stewart Dam in NE¼ sec.34, T.13 S., R.44 E., for storage in Bear Lake. At times flow in canal is augmented by surplus water from Black Otter Slough entering at the station and by seepage and surplus water from irrigation.

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Power Commission project.

AVERAGE DISCHARGE.--54 years, 344 ft³/s (9.74 m³/s), 249,200 acre-ft/yr (307 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,180 ft³/s (118 m³/s) May 7, 1952, gage height, 8.62 ft (2.627 m); minimum daily, 1 ft³/s (0.028 m³/s) on several days in 1931, 1934, 1940, 1948.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,730 ft³/s (106 m³/s) Apr. 9, gage height, 8.59 ft (2.618 m); minimum, 24 ft³/s (0.68 m³/s) Sept. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	240	328	218	246	189	170	794	1220	972	256	217	191
2	238	326	253	176	155	242	783	1230	869	266	224	183
3	233	322	240	129	163	259	841	1290	820	259	242	160
4	231	318	224	127	183	235	943	1350	728	251	269	164
5	230	321	243	165	194	226	1100	1430	621	238	292	162
6	233	348	281	210	207	279	1320	1410	582	234	279	150
7	235	328	272	209	193	359	1890	1420	558	216	264	140
8	256	329	280	207	182	382	3010	1460	553	210	246	141
9	283	331	291	207	182	383	3440	1530	547	200	236	131
10	281	321	277	207	191	361	2880	1630	519	215	232	114
11	265	286	258	221	211	370	2690	1710	483	219	219	113
12	253	212	240	193	215	370	2470	1780	465	197	213	102
13	254	199	256	204	221	302	2300	1830	472	193	224	110
14	285	246	318	209	223	254	2180	1850	481	200	229	118
15	289	322	188	211	218	289	2010	1790	489	244	228	116
16	292	300	217	212	245	328	1830	1830	492	254	244	104
17	287	253	209	235	296	276	1660	1910	499	239	236	103
18	284	261	179	238	275	265	1490	1960	543	224	231	95
19	279	230	201	256	222	288	1330	1900	654	272	229	93
20	270	165	195	234	224	365	1230	1900	680	316	227	117
21	267	131	220	210	261	327	1310	1960	662	333	221	94
22	264	182	218	187	207	420	1250	1960	646	294	211	92
23	256	122	222	184	177	442	1260	1920	604	259	196	120
24	264	142	232	194	184	504	1250	1850	596	236	159	124
25	270	181	238	211	199	538	1280	1820	562	227	187	125
26	289	312	245	203	194	620	1320	1760	512	225	183	137
27	309	158	235	212	193	600	1330	1620	390	214	180	146
28	314	234	253	181	183	686	1290	1370	244	179	263	141
29	308	266	211	198	174	714	1260	1240	320	191	212	146
30	307	259	164	204	---	722	1220	1170	265	216	203	152
31	307	---	196	183	---	748	---	1090	---	210	194	---
TOTAL	8373	7735	7274	6263	5962	12324	48921	50190	16830	7341	6930	3834
MEAN	270	258	235	202	206	398	1631	1619	561	237	224	128
MAX	314	348	318	256	296	748	3440	1960	972	333	292	191
MIN	230	122	164	127	155	170	754	1090	244	179	159	42
AC-FT	16610	15340	14430	12420	11830	24440	97030	99550	33380	14560	13750	7600

CAL YR 1975 TOTAL 194320 MEAN 532 MAX 2260 MIN 108 AC-FT 385400
WTR YR 1976 TOTAL 181977 MEAN 497 MAX 3440 MIN 42 AC-FT 361000

BEAR RIVER BASIN

465. Bear River below Stewart Dam, near Montpelier, Idaho

LOCATION.--Lat 42°15'14", long 111°17'35", in NE¼ sec.34, T.13 S., R.44 E., Bear Lake County, Hydrologic Unit 16010201, on right bank 300 ft (91 m) downstream from Stewart Dam and 4.5 mi (7.2 km) south of Montpelier.

DRAINAGE AREA.--2,853 mi² (7,389 km²).

PERIOD OF RECORD.--January 1922 to current year. Monthly discharge only January 1922 to September 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Altitude of gage is 5,950 ft (1,814 m) from topographic map.

REMARKS.--Records good. Water diverted at Stewart Dam through Rainbow inlet canal (station 10046000) for storage in Bear Lake.

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Power Commission project.

AVERAGE DISCHARGE.--54 years, 47.7 ft³/s (1.35 m³/s), 34,560 acre-ft/yr (42.6 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 3,050 ft³/s (86.4 m³/s) June 3, 1923; no flow July 15, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 155 ft³/s (4.39 m³/s) Sept. 22, gage height, 2.69 ft (0.820 m); minimum, 3.70 ft³/s (0.105 m³/s) Sept. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	7.0	7.7	7.2	6.9	6.6	16	5.3	12	12	10	5.7
2	6.6	7.1	8.4	6.8	6.9	6.7	18	5.3	12	12	10	6.2
3	6.5	7.1	8.8	6.7	6.9	6.9	18	5.4	12	12	10	6.0
4	6.5	7.0	8.9	6.4	6.6	7.0	18	7.2	12	12	10	5.9
5	6.4	7.0	9.3	6.4	5.9	7.1	21	10	12	13	9.9	5.7
6	6.2	7.5	9.4	6.9	6.0	7.8	25	11	12	13	11	6.7
7	6.3	7.2	9.6	6.4	5.9	8.5	29	12	12	13	11	5.5
8	6.5	7.0	9.9	6.3	5.8	8.1	33	12	12	13	11	5.4
9	6.9	7.0	9.8	6.4	5.6	7.9	30	12	12	13	11	5.3
10	7.1	7.0	10	6.5	4.9	7.7	17	13	13	13	10	5.3
11	7.1	7.1	10	6.5	4.7	7.5	15	13	14	13	10	5.3
12	6.9	7.2	10	6.5	4.6	7.1	14	13	15	13	9.7	5.2
13	6.6	7.5	9.8	6.7	4.6	6.8	13	13	16	12	9.1	5.4
14	6.4	7.8	9.0	6.9	4.5	6.7	12	13	17	12	8.6	5.5
15	6.5	8.6	7.0	7.3	4.4	6.5	11	13	16	12	8.2	5.6
16	6.6	8.8	7.1	7.5	4.4	6.3	11	13	16	12	7.8	5.7
17	6.6	12	7.4	7.9	4.5	6.2	8.7	13	15	12	7.4	6.2
18	6.7	13	7.4	8.6	4.7	6.5	7.0	13	15	13	6.9	6.6
19	6.8	12	7.4	9.1	4.8	6.4	6.0	12	15	13	6.9	7.0
20	6.7	10	7.3	9.1	4.5	6.5	5.8	12	15	13	5.4	7.3
21	6.7	9.2	7.1	8.8	4.4	7.2	5.2	12	14	12	5.0	57
22	6.6	9.0	6.9	8.5	4.6	9.3	4.7	12	14	12	4.5	99
23	6.4	9.2	7.0	8.3	5.1	12	4.6	12	13	11	32	13
24	6.3	9.6	7.3	8.6	5.2	15	4.7	11	13	11	43	7.7
25	6.3	9.3	7.3	7.8	5.4	17	4.8	11	12	11	3.8	7.7
26	6.4	8.5	7.3	7.6	5.6	16	5.0	10	12	11	4.1	7.7
27	6.9	7.8	7.4	7.4	6.1	16	5.4	11	11	11	4.4	7.7
28	6.9	8.5	7.6	7.1	6.4	14	5.4	11	11	10	4.8	7.7
29	6.9	8.6	7.8	6.9	6.5	13	5.4	12	13	10	5.1	7.8
30	6.7	7.6	7.7	6.9	---	13	5.6	12	13	10	5.4	8.0
31	6.8	---	7.6	6.9	---	14	---	12	---	10	5.6	---
TOTAL	205.4	252.2	255.2	226.3	156.4	287.3	379.3	347.2	401	370	309.2	339.8
MEAN	6.63	8.41	8.23	7.30	5.39	9.27	12.6	11.2	13.4	11.9	9.68	11.3
MAX	7.1	13	10	9.1	6.9	17	33	13	17	13	43	99
MIN	6.2	7.0	6.9	6.3	4.4	6.2	4.6	5.3	11	10	3.8	5.2
AC-FT	407	500	506	449	310	570	752	689	795	734	595	674

CAL YR 1975 TOTAL 2507.6 MEAN 6.87 MAX 13 MIN 3.4 AC-FT 4970
WTR YR 1976 TOTAL 3520.3 MEAN 9.62 MAX 99 MIN 3.8 AC-FT 6980

BEAR RIVER BASIN

555. Bear Lake at Lifton, near St. Charles, Idaho

LOCATION.--Lat°42 07'160", long 111°18'52", in NE¼ sec.16, T.15 S., R.44 E., Bear Lake County, Hydrologic Unit 16010201, in Lifton pumping plant of Utah Power & Light Company 3.5 mi (5.6 km) east of St. Charles.

DRAINAGE AREA.--435 mi² (1,127 km²), approximately (does not include Mud Lake drainage).

PERIOD OF RECORD.--October 1903 to June 1906 (elevations only, published as "at Fish Haven"), January 1921 to current year. Monthly contents only January 1921 to September 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Datum of gage is 5,900 ft (1,798.3 m) above mean sea level, unadjusted (Utah Power & Light Company datum).

REMARKS.--Outflow regulated by gates and pumps at the north end of Bear Lake and by gates in dike at north end of Mud Lake, a shallow interconnected lake. Principal inflow to Bear Lake is from Bear River through Rainbow inlet canal (station 10046000) and Dingle inlet canals into Mud Lake, from which the inflow can enter into Bear Lake either through the pumping plant or an opening in the dividing causeway. The inflow can be routed directly into the Outlet canal (station 10059500). Usable capacity of Bear Lake is 1,421,000 acre-ft (1.75 km³) between elevation 5,902.00 ft (1,798.930 m), lower limit of pumps, and 5,923.65 ft (1,805.529 m), upper limit of storage with existing facilities. Water is used for irrigation and power development. Figures given herein represent usable contents.

COOPERATION.--Records furnished by Utah Power & Light Company, under general supervision of Geological Survey, in connection with a Federal Power Commission project.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,423,000 acre-ft (1.75 km³) June 10, 1923, elevation, 5,923.68 ft (1,805.538 m); no usable contents Nov. 9-19, 1935.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,303,000 acre-ft (1.61 km³) June 28, 29, 30, July 1, 2, elevation 5,921.97 ft (1,805.016 m); minimum, 1,035,000 acre-ft (1.28 km³) Mar. 27, 28, 29, 30, 31, Apr. 1, 2.

Capacity table (elevation, in feet, and usable contents, in acre-feet)

5918	1,026,000	5921	1,235,000
5919	1,095,000	5922	1,305,000
5920	1,165,000		

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1215000	1149000	1114000	1094000	1070000	1051000	1035000	1146000	1269000	1303000	1258000	1220000
2	1212000	1147000	1114000	1092000	1069000	1054000	1035000	1143000	1271000	1303000	1256000	1217000
3	1211000	1145000	1113000	1092000	1069000	1054000	1036000	1148000	1273000	1302000	1255000	1216000
4	1209000	1144000	1113000	1092000	1067000	1054000	1036000	1151000	1275000	1302000	1254000	1215000
5	1207000	1143000	1113000	1092000	1067000	1054000	1036000	1154000	1277000	1301000	1252000	1213000
6	1203000	1141000	1112000	1091000	1066000	1053000	1038000	1158000	1278000	1299000	1250000	1212000
7	1200000	1140000	1112000	1090000	1065000	1051000	1039000	1161000	1280000	1299000	1249000	1211000
8	1197000	1138000	1112000	1090000	1065000	1051000	1042000	1166000	1282000	1299000	1247000	1210000
9	1194000	1137000	1111000	1090000	1064000	1050000	1047000	1171000	1284000	1298000	1245000	1207000
10	1191000	1136000	1111000	1089000	1064000	1050000	1053000	1175000	1285000	1297000	1243000	1206000
11	1189000	1134000	1110000	1088000	1062000	1049000	1058000	1181000	1287000	1297000	1242000	1204000
12	1186000	1132000	1110000	1088000	1062000	1049000	1064000	1185000	1287000	1295000	1241000	1202000
13	1184000	1130000	1110000	1086000	1061000	1048000	1071000	1190000	1290000	1294000	1240000	1200000
14	1182000	1127000	1108000	1086000	1060000	1047000	1079000	1194000	1291000	1293000	1238000	1197000
15	1179000	1124000	1108000	1085000	1059000	1047000	1086000	1200000	1293000	1291000	1236000	1194000
16	1176000	1122000	1107000	1085000	1059000	1047000	1093000	1206000	1294000	1290000	1237000	1192000
17	1173000	1121000	1107000	1083000	1059000	1045000	1101000	1210000	1294000	1289000	1236000	1190000
18	1171000	1120000	1106000	1083000	1058000	1044000	1108000	1215000	1296000	1287000	1234000	1187000
19	1169000	1118000	1106000	1081000	1058000	1044000	1113000	1218000	1296000	1285000	1233000	1185000
20	1167000	1117000	1104000	1081000	1057000	1042000	1115000	1222000	1297000	1283000	1232000	1184000
21	1165000	1117000	1103000	1081000	1056000	1040000	1116000	1226000	1297000	1282000	1231000	1182000
22	1163000	1116000	1102000	1080000	1055000	1039000	1117000	1231000	1299000	1280000	1229000	1180000
23	1160000	1116000	1101000	1080000	1054000	1038000	1120000	1237000	1299000	1279000	1228000	1178000
24	1157000	1115000	1101000	1079000	1054000	1037000	1121000	1243000	1299000	1277000	1227000	1177000
25	1155000	1115000	1099000	1078000	1053000	1036000	1123000	1248000	1301000	1275000	1225000	1176000
26	1154000	1115000	1099000	1078000	1052000	1036000	1125000	1252000	1301000	1272000	1224000	1175000
27	1154000	1115000	1098000	1078000	1051000	1035000	1128000	1256000	1302000	1271000	1223000	1173000
28	1153000	1115000	1097000	1078000	1051000	1035000	1131000	1259000	1303000	1268000	1222000	1172000
29	1152000	1114000	1097000	1077000	1051000	1035000	1134000	1262000	1303000	1265000	1222000	1171000
30	1152000	1114000	1096000	1077000	---	1035000	1137000	1265000	1303000	1262000	1221000	1169000
31	1150000	---	1095000	1071000	---	1035000	---	1267000	---	1259000	1220000	---
MAX	1215000	1149000	1114000	1094000	1070000	1054000	1137000	1267000	1303000	1303000	1258000	1220000
MIN	1150000	1114000	1095000	1071000	1051000	1035000	1035000	1140000	1269000	1259000	1220000	1169000
(+)	5919.79	5919.27	5919.00	5918.65	5918.36	5918.13	5919.60	5921.46	5921.97	5921.35	5920.78	5920.06
(Δ)	-67000	-36000	-19000	-24000	-28000	-16000	+102000	+130000	+36000	-44000	-39000	-51000

CAL YR 1975.....± -7000
WTR YR 1976.....± -48000

+ Elevation, in feet, at end of month.
± Change in contents, in acre-feet.

BEAR RIVER BASIN

595. Bear Lake outlet canal near Paris, Idaho

LOCATION.--Lat 42°13'00", long 111°20'35", in SW¼ sec.8, T.14 S., R.44 E., Bear Lake County, Hydrologic Unit 16010201, on right bank 2,000 ft (610 m) downstream from headgates (at dike) and 3 mi (5 km) southeast of Paris.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1922 to current year. Monthly discharge only January 1922 to September 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage datum is 5,912.6 ft (1,802.16 m) above mean sea level (from topographic survey).

REMARKS.--Records good. Flow regulated by Bear Lake (station 10055500).

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Power Commission project.

AVERAGE DISCHARGE.--54 years, 374 ft^3/s (10.6 m^3/s), 271,000 acre-ft/yr (334 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,870 ft^3/s (53.0 m^3/s) Aug. 8, 1924; minimum daily, 1 ft^3/s (0.28 m^3/s) for many days in 1937, 1954, 1959, 1961, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,340 ft^3/s (37.9 m^3/s) Oct. 6, gage height, 18.38 ft (5.602 m); minimum daily, 5.4 ft^3/s (0.15 m^3/s) Apr. 11-30, May 1-31, June 1-8, 13-24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1300	1310	620	858	799	749	514	5.4	5.4	904	1190	226
2	1280	1320	612	852	858	714	521	5.4	5.4	929	1170	373
3	1280	1330	606	804	711	732	537	5.4	5.4	904	1080	517
4	1300	1320	680	738	472	710	552	5.4	5.4	857	956	524
5	1310	1320	581	705	525	720	461	5.4	5.4	812	873	521
6	1330	1310	506	712	668	748	152	5.4	5.4	812	779	518
7	1300	1300	514	694	655	747	5.6	5.4	5.4	1030	762	516
8	1280	1290	411	716	675	598	5.4	5.4	5.4	1210	731	584
9	1300	1280	202	699	721	616	5.4	5.4	119	1200	648	706
10	1280	1270	52	675	718	625	5.4	5.4	278	1240	440	751
11	1290	1260	169	688	725	612	5.4	5.4	274	1180	443	918
12	1280	1260	435	717	745	559	5.4	5.4	160	1180	476	856
13	1310	1280	619	739	759	532	5.4	5.4	5.4	1250	513	789
14	1330	1280	641	715	751	594	5.4	5.4	5.4	1230	506	803
15	1330	1290	653	719	753	692	5.4	5.4	5.4	1210	510	867
16	1320	1280	686	700	760	678	5.4	5.4	5.4	1200	519	801
17	1310	1090	711	701	763	716	5.4	5.4	5.4	1220	563	818
18	1310	894	703	723	714	707	5.4	5.4	5.4	1250	633	832
19	1306	820	701	764	709	607	5.4	5.4	5.4	1270	629	849
20	1300	752	690	773	687	704	5.4	5.4	5.4	1160	555	851
21	1290	734	693	746	688	735	5.4	5.4	5.4	1020	456	801
22	1290	715	704	745	697	713	5.4	5.4	5.4	926	453	786
23	1328	713	705	715	714	676	5.4	5.4	5.4	866	460	783
24	1330	689	707	681	699	587	5.4	5.4	5.4	873	450	777
25	1320	670	703	694	720	485	5.4	5.4	110	883	417	771
26	1310	634	700	683	645	509	5.4	5.4	239	907	386	771
27	1328	656	696	716	646	515	5.4	5.4	232	910	341	771
28	1290	661	671	694	717	527	5.4	5.4	530	935	242	758
29	1260	627	676	688	725	514	5.4	5.4	909	1040	237	770
30	1280	674	665	680	---	472	5.4	5.4	902	1190	234	758
31	1310	---	679	744	---	505	---	5.4	---	1200	233	---
TOTAL	40380	31029	18471	22478	20419	19598	2866.8	167.4	3861.0	32812	17885	21368
MEAN	1303	1034	596	725	704	632	95.6	5.40	129	1058	577	712
MAX	1330	1330	711	858	858	749	552	5.4	909	1270	1190	918
MIN	1280	627	52	675	472	472	5.4	5.4	5.4	812	233	229
AC-FT	80090	61550	36640	44590	40500	38870	5690	332	7660	65080	35470	42380

CAL YR 1975 TOTAL 216138.7 MEAN 592 MAX 1370 MIN 5.0 AC-FT 428700
WTR YR 1976 TOTAL 231335.2 MEAN 632 MAX 1330 MIN 5.4 AC-FT 458900

BEAR RIVER BASIN

927. Bear River at Idaho—Utah State Line

LOCATION.--Lat 42°00'47", long 111°55'14", in NW¼NE¼ sec.29, T.16 S., R.38 E., Franklin County, Idaho, Hydrologic Unit 16010202, on left bank 1,050 ft (320 m) downstream from inlet canal to Cub River pumps, 1.1 mi (1.8 km) downstream from Weston Creek, 1.8 mi (2.9 km) upstream from State line, and 3.5 mi (5.6 km) southeast of Weston.

DRAINAGE AREA.--4,881 mi² (12,642 km²).

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,420 ft (1,347 m) from topographic map.

REMARKS.--Records good except those for winter period, which are fair. Natural flow of stream affected by storage reservoirs, power developments, diversions for irrigation, and return flow from irrigated areas.

AVERAGE DISCHARGE.--6 years, 1,444 ft³/s (40.9 m³/s), 1,046,000 acre-ft/yr (1.29 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,190 ft³/s (119 m³/s) June 12, 1971, gage height, 8.25 ft (2.515 m); minimum daily, 73 ft³/s (2.07 m³/s) Nov. 20, 1970.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,400 ft³/s (96.3 m³/s) Apr. 12, gage height, 6.84 ft (2.085 m); minimum daily, 100 ft³/s (2.83 m³/s) June 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1610	1690	1370	1500	1700	1400	1630	1580	1510	240	647	447
2	1620	2350	1730	1400	1600	2100	1490	1750	1390	618	461	208
3	1960	1480	1470	1300	1700	1400	1590	1470	1320	636	814	251
4	1640	2030	1250	1200	1500	1300	1540	1950	1270	693	851	621
5	1770	1860	1310	1200	1300	1400	1900	1600	980	720	943	248
6	1960	2040	1500	1200	2900	1500	2050	1670	1070	482	868	408
7	1870	1970	1220	1600	2900	1600	1800	1860	1010	736	720	358
8	1760	2100	1680	1400	2800	1800	1950	1820	505	830	603	517
9	1830	1950	949	1900	2500	1900	2300	1860	801	704	421	728
10	1930	2210	1110	1300	2100	1700	2050	2000	321	1080	600	781
11	1940	1920	1390	1700	2100	1700	1930	1810	607	926	716	889
12	1980	1870	1520	1500	2300	1700	3170	1960	574	789	564	728
13	2100	1880	1230	2000	2300	1200	3130	1620	396	785	603	744
14	2070	1790	967	1000	2600	1600	2900	1700	603	943	651	1160
15	2340	1740	1570	1700	2100	1500	2790	1600	732	989	670	889
16	1790	1820	1200	1500	2200	1200	2610	2110	693	876	793	830
17	2100	2030	1600	1500	1900	1700	2250	1850	557	931	430	1120
18	1960	2090	1500	1200	1400	1800	2050	1660	847	785	564	1010
19	2130	1970	1400	1800	1700	1700	1570	1810	697	943	662	801
20	2380	1690	1600	1500	2400	1200	1590	1890	507	454	296	1520
21	1510	1480	1500	1500	1900	1400	1570	1630	451	678	313	1170
22	2260	1450	1600	1300	2000	1500	1700	1520	568	876	500	1340
23	1990	1410	1500	2900	1800	1600	1620	1610	251	847	333	956
24	1930	1210	1400	2900	1700	1500	1800	1900	100	847	345	724
25	1920	1520	1300	2700	1600	1400	2010	1820	150	647	575	1060
26	2050	1260	1800	2300	1300	1280	2280	1310	200	408	402	951
27	2020	1560	1100	2400	1000	1350	1880	1770	300	863	348	1240
28	2160	1640	1700	1500	1900	1380	1750	1820	500	772	339	1070
29	1890	1130	1300	1400	1600	1640	1800	1520	700	651	568	1110
30	2410	1360	1600	1300	---	1480	2080	1660	400	744	248	797
31	2190	---	1400	1700	---	1420	---	1690	---	868	578	---
TOTAL	61070	52500	43766	51300	56800	47350	60780	53820	20010	23361	17426	24676
MEAN	1970	1750	1412	1655	1959	1527	2026	1736	667	754	562	823
MAX	2410	2350	1800	2900	2900	2100	3170	2110	1510	1080	943	1520
MIN	1510	1130	949	1000	1000	1200	1490	1310	100	240	248	208
AC-FT	121100	104100	86810	101800	112700	93920	120600	106800	39690	46340	34560	48940

CAL YR 1975 TOTAL 490293 MEAN 1343 MAX 3000 MIN 330 AC-FT 972500
WTR YR 1976 TOTAL 512859 MEAN 1401 MAX 3170 MIN 100 AC-FT 1017000

BEAR RIVER BASIN

930. Cub River near Preston, Idaho

LOCATION.--Lat 42°08'28", long 111°41'19", in SW¼ sec.5, T.15 S., R.41 E., Franklin County, Hydrologic Unit 16010202, Cache National Forest, on right bank 0.2 mi (0.3 km) upstream from headgates of Cub River-Worm Creek Canal, 0.7 mi (1.1 km) upstream from forest boundary, and 10 mi (16 km) east of Preston.

DRAINAGE AREA.--31.6 mi² (81.8 km²).

PERIOD OF RECORD.--March 1940 to September 1952, October 1955 to current year.

REVISED RECORDS.--WRD Utah 1974: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,285.1 ft (1,610.90 m) above mean sea level, unadjusted.

REMARKS.--Records good except those for winter periods, which are fair.

AVERAGE DISCHARGE.--33 years, 85.1 ft³/s (2.41 m³/s), 61,650 acre-ft/yr (76.0 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 803 ft³/s (22.7 m³/s) June 11, 1971; maximum gage height, 3.83 ft (1.167 m) June 2, 1943; no flow for part of Jan. 29, 1965, result of snowslide.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 516 ft³/s (14.6 m³/s) May 21, gage height, 2.40 ft (0.732 m), minimum, 15 ft³/s (0.43 m³/s) Jan. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	28	27	23	22	31	31	93	457	154	56	35
2	35	28	25	23	23	28	32	109	457	147	54	35
3	35	27	25	23	23	26	35	128	449	137	54	35
4	34	27	25	23	24	25	48	167	435	130	52	34
5	34	28	25	23	23	24	63	191	427	124	51	34
6	34	28	25	23	22	23	71	195	416	119	50	35
7	35	29	25	22	22	23	58	226	408	116	49	35
8	34	28	26	22	22	22	70	261	387	111	48	34
9	33	28	26	22	25	22	89	293	370	106	47	34
10	32	27	27	22	23	22	75	310	359	102	46	34
11	32	27	27	22	23	23	85	344	346	98	46	33
12	32	26	28	22	23	23	97	364	308	94	46	34
13	35	27	27	21	23	22	94	331	277	91	45	33
14	34	27	26	21	23	23	86	360	252	87	45	33
15	32	27	26	21	23	22	85	433	232	83	45	32
16	31	26	26	21	23	22	74	434	220	80	45	32
17	30	26	25	21	23	23	64	427	219	78	43	32
18	30	26	25	21	23	25	57	457	217	76	43	31
19	29	26	25	21	23	30	52	486	214	76	42	32
20	29	26	25	21	23	28	51	501	220	73	41	31
21	29	26	25	21	22	27	56	497	229	71	40	31
22	30	26	25	21	22	27	63	484	230	69	40	31
23	29	26	25	21	22	27	70	460	214	66	41	31
24	29	25	24	21	22	26	79	478	197	65	39	31
25	29	26	24	21	22	26	96	463	185	63	39	30
26	31	26	24	21	22	25	92	431	177	62	39	30
27	30	26	24	21	23	25	83	439	167	61	38	30
28	29	26	23	21	24	25	80	466	159	59	38	29
29	29	26	23	21	26	24	80	478	154	58	37	29
30	29	26	24	21	---	24	83	476	154	57	36	28
31	28	---	23	22	---	26	---	469	---	56	36	---
TOTAL	978	801	780	670	664	769	2099	11251.	8536	2769	1371	968
MEAN	31.5	26.7	25.2	21.6	22.9	24.8	70.0	363	285	89.3	44.2	32.3
MAX	36	29	28	23	26	31	97	501	457	154	56	35
MIN	28	25	23	21	22	22	31	93	154	56	36	28
AC-FT	1940	1590	1550	1330	1320	1530	4160	22320	16930	5490	2720	1920

CAL YR 1975 TOTAL 38206 MEAN 105 MAX 729 MIN 16 AC-FT 75780
WTR YR 1976 TOTAL 31656 MEAN 86.5 MAX 501 MIN 21 AC-FT 62790

BEAR RIVER BASIN

1090. Logan River above State dam, near Logan, Utah

LOCATION.--Lat 41°44'40", long 111°47'00", in NE¼ sec.36, T.12 N., R.1 E., Cache County, Hydrologic Unit 16010203, on right bank 0.5 mi (0.8 km) upstream from State dam, and 2.5 mi (4.0 km) east of Logan.

DRAINAGE AREA.--214 mi² (554 km²).

PERIOD OF RECORD.--June 1896 to current year. Published as Logan River near Logan prior to 1913. Records since May 1913 equivalent to earlier records if records for Utah Power & Light Co.'s tailrace near Logan (station 10108000) are added. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 4,680 ft (1,426 m) from topographic map. Prior to May 7, 1913, nonrecording gage at various sites within 0.5 mi (0.8 km) downstream at different datum May 7, 1913 to Sept. 3, 1938, water-stage recorder at present site at different datums.

REMARKS.--Records good. Flow affected by regulation and diversions above station for power, irrigation, and municipal culinary supply. Utah Power and Light Co. stopped diverting water from river November 1970 at which time the tailrace station (station 10108000) was discontinued. During 1963, site for gaging station for Logan, Hyde Park and Smithfield Canal (station 10108400) was relocated. Records for combined flow since that time are equivalent to previous records. For record of combined flow, see following page.

AVERAGE DISCHARGE.--River only: 63 years (water years 1914-76), 122 ft³/s (3.46 m³/s), 88,390 acre-ft/yr (109 hm³/yr).
Combined river and canal: 80 years, 275 ft³/s (7.79 m³/s), 199,200 acre-ft/yr (246 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--River only: Maximum discharge, 2,000 ft³/s (56.6 m³/s) Mar. 21, 1916, gage height, 5.6 ft (1.71 m), datum then in use, from rating curve extended above 1,000 ft³/s (28.3 m³/s); minimum daily, 6 ft³/s (0.17 m³/s) Nov. 7, 1940.
Combined river and canal: Maximum discharge observed, 2,480 ft³/s (70.2 m³/s) May 24, 1907; minimum daily, 50 ft³/s (1.42 m³/s) Jan. 21, 1935.

EXTREMES FOR CURRENT YEAR.--River only: Maximum discharge, 920 ft³/s (26.1 m³/s) May 19, gage height, 4.72 ft (1.439 m); minimum, 40 ft³/s (1.13 m³/s) Feb. 6.
Combined river and canal: Maximum discharge, 997 ft³/s (28.2 m³/s) May 19; minimum daily, 106 ft³/s (3.00 m³/s) Feb. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	167	169	152	129	121	145	131	318	721	376	227	145
2	167	169	154	121	120	131	137	366	721	364	213	145
3	163	169	152	129	121	127	139	407	721	342	210	143
4	163	169	149	129	123	125	145	473	711	332	224	143
5	163	165	149	129	120	127	160	507	702	325	191	143
6	163	156	149	129	105	121	196	494	688	325	181	143
7	160	163	149	129	116	123	189	473	674	304	177	141
8	167	167	147	127	121	123	207	511	646	301	174	139
9	165	160	147	129	131	123	238	546	619	288	174	137
10	160	160	147	131	129	123	232	624	597	272	172	139
11	160	160	145	120	121	125	259	646	666	269	169	141
12	160	156	149	127	121	118	294	676	580	272	167	141
13	165	158	149	125	123	120	294	619	567	262	165	141
14	181	158	145	125	123	123	301	678	511	250	163	141
15	186	158	143	127	125	123	301	742	486	244	163	139
16	179	158	141	129	123	121	269	802	478	238	160	137
17	179	158	141	129	121	121	250	783	469	235	160	135
18	179	158	137	127	121	123	235	836	461	235	160	137
19	179	156	135	123	120	133	238	850	452	227	160	135
20	177	154	133	120	120	133	235	850	461	221	158	129
21	174	154	133	120	112	129	278	846	473	213	156	137
22	177	152	133	120	112	129	314	870	486	207	156	154
23	177	152	133	120	112	133	342	826	444	202	160	139
24	172	152	133	121	116	133	350	841	423	196	158	135
25	169	152	133	121	116	135	387	816	415	213	156	137
26	169	147	133	120	116	135	346	759	407	213	154	137
27	164	152	133	120	120	133	301	735	403	199	154	135
28	172	154	133	123	123	133	288	740	383	199	152	137
29	169	149	133	123	137	129	291	773	379	196	149	141
30	169	147	131	123	---	127	318	764	383	196	147	141
31	169	---	131	123	---	129	---	744	---	204	145	---
TOTAL	5284	4732	4372	3866	3491	3953	7665	20969	16063	7920	5255	4187
MEAN	170	158	141	125	120	128	256	676	535	255	170	140
MAX	186	169	154	131	137	145	387	870	721	376	227	154
MIN	160	147	131	120	105	118	131	318	379	196	145	129
AC-FT	10480	9390	8670	7670	6920	7840	15200	41590	31860	15710	10420	8300

CAL YR 1975 TOTAL 102130 MEAN 280 MAX 1160 MIN 88 AC-FT 202600
WTR YR 1976 TOTAL 87759 MEAN 240 MAX 870 MIN 105 AC-FT 174100

1090.01 Logan River above State dam, near Logan, Utah—continued

COMBINED DISCHARGE, IN CUBIC FEET PER SECOND, OF LOGAN RIVER ABOVE STATE DAM AND LOGAN, HYDE PARK & SMITHFIELD CANAL AT HEAD, NEAR LOGAN, UTAH.
WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	199	171	153	136	122	147	132	318	794	448	260	199
2	199	171	155	122	121	133	136	366	795	448	252	199
3	196	171	153	136	122	129	140	408	792	425	251	197
4	195	171	150	130	124	127	146	473	781	414	246	197
5	195	177	150	130	121	129	161	507	772	407	238	197
6	195	158	150	130	106	123	197	494	757	396	235	196
7	192	164	150	130	120	125	190	473	743	386	231	194
8	199	168	148	128	123	125	208	511	714	383	229	192
9	197	161	148	130	133	125	239	556	689	372	229	198
10	192	161	148	132	131	125	233	646	683	364	227	192
11	191	161	146	121	123	127	260	671	692	359	224	194
12	192	157	150	128	123	120	295	714	651	354	221	194
13	197	159	150	126	125	122	295	663	626	344	219	194
14	198	159	146	126	125	125	302	723	569	331	217	194
15	191	159	144	128	127	125	302	836	539	325	217	192
16	184	159	142	130	125	123	270	831	535	318	214	190
17	184	159	142	130	123	123	251	821	523	315	214	188
18	184	159	136	128	123	125	236	886	504	315	214	190
19	184	157	136	124	122	135	239	814	495	307	214	188
20	181	155	134	121	122	135	236	927	504	301	212	182
21	178	155	134	121	114	131	239	920	516	292	210	186
22	180	153	134	121	114	131	316	917	528	286	210	173
23	180	153	134	121	114	135	343	870	497	281	214	176
24	175	153	134	122	118	134	351	891	497	275	212	177
25	172	153	134	122	116	137	388	874	489	272	210	179
26	172	148	134	121	118	137	347	813	480	269	208	179
27	186	153	134	121	122	135	302	795	476	265	208	177
28	174	155	134	124	125	135	288	815	456	260	206	176
29	171	150	134	124	139	131	292	848	452	257	203	172
30	171	148	132	124	---	129	318	839	454	257	201	172
31	171	---	132	124	---	131	---	818	---	263	199	---
TOTAL	5774	4778	4403	3899	3543	4015	7693	22038	18001	10291	6845	5606
MEAN	186	159	142	126	122	130	256	711	600	332	221	187
MAX	199	177	155	132	139	147	388	927	794	448	260	199
MIN	171	148	132	121	106	120	132	318	452	257	199	166
AC-FT	11450	9480	8730	7730	7030	7960	15260	43710	35700	20410	13580	11120

CAL YR 1975 TOTAL 112370 MEAN 308 MAX 1270 MIN 90 AC-FT 222900
WTR YR 1976 TOTAL 96886 MEAN 265 MAX 927 MIN 106 AC-FT 192200

BEAR RIVER BASIN

1170. Hammond (East Side) Canal near Collinston, Utah

LOCATION.--Lat 41°49'51", long 112°03'24", in SE¼ sec.27, T.13 N., R.2 W., Box Elder County, Hydrologic Unit 16010204, on right bank 3,600 ft (1,097 m) downstream from Cutler Dam and 4 mi (6 km) north of Collinston.

PERIOD OF RECORD.--June 1912 to current year. Prior to 1915, published as Hammond Ditch near Collinston. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Prior to May 22, 1914, nonrecording gage at same site and datum.

REMARKS.--Records good. Canal diverts from east side of Bear River in NW¼SW¼ sec.26 T.13 N., R.2 W. at dam for irrigation of about 58,000 acres (235 km²) below station in eastern Box Elder County.

COOPERATION.--Gage-height record and 3 discharge measurements furnished by Utah Power & Light Co.

AVERAGE DISCHARGE.--64 years, 51.2 ft³/s (1.45 m³/s), 37,090 acre-ft/yr (45.7 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 184 ft³/s (5.21 m³/s) June 29, 1963; no flow at times in each year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62							0	127	163	115	108
2	52							0	138	163	115	110
3	52							0	138	163	115	113
4	52							0	148	163	114	113
5	48							0	151	163	112	112
6	44							0	149	162	113	104
7	38							0	151	162	114	96
8	32							.21	153	164	122	89
9	31							.58	150	163	128	87
10	31							48	153	163	135	83
11	30							55	122	164	138	80
12	30							66	92	164	138	78
13	30							87	90	165	138	80
14	30							98	88	160	138	80
15	28							99	87	158	138	79
16	26							98	88	159	140	77
17	27							115	89	159	139	75
18	28							139	89	145	133	74
19	26							148	105	147	116	72
20	28							164	113	149	119	70
21	24							168	118	138	120	71
22	15							159	134	148	119	72
23	15							143	149	145	112	72
24	15							144	154	145	107	72
25	15							145	159	146	104	71
26	15							145	158	146	104	71
27	13							144	161	145	104	71
28	9.2							144	164	146	104	71
29	5.4							144	164	145	104	71
30	0				---			128	165	145	104	71
31	0	---			---		---	128	---	137	104	---
TOTAL	853.6	0	0	0	0	0	0	2709.79	3947	4785	3706	2493
MEAN	27.5	0	0	0	0	0	0	87.4	132	154	120	83.1
MAX	62	0	0	0	0	0	0	168	165	165	140	113
MIN	0	0	0	0	0	0	0	0	87	137	104	70
AC-FT	1690	0	0	0	0	0	0	5376	7830	9490	7350	4940

CAL YR 1975 TOTAL 17065.78 MEAN 46.6 MAX 171 MIN 0 AC-FT 33850
WTR YR 1976 TOTAL 18494.39 MEAN 50.5 MAX 168 MIN 0 AC-FT 36680

BEAR RIVER BASIN

1175. West Side Canal near Collinston, Utah

LOCATION.--Lat 41°49'55", long 112°03'36", in SW¼ sec.27, T.13 N., R.2 W., Box Elder County, Hydrologic Unit 16010204, on left bank 4,200 ft (1,280 m) downstream from Cutler Dam and 4 mi (6.4 km) north of Collinston.

PERIOD OF RECORD.--June 1912 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Prior to May 22, 1914, nonrecording gage at same site and datum.

REMARKS.--Records good. Canal diverts from west side of Bear River in NE¼SE¼ sec.27, T.13 N., R.2 W., at dam for irrigation of about 56,000 acres (235 km²) below station in eastern Box Elder County.

COOPERATION.--Gage-height record and 7 discharge measurements furnished by Utah Power & Light Co.

AVERAGE DISCHARGE.--64 years, 244 ft³/s (6.91 m³/s), 176,800 acre-ft/yr (218 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 765 ft³/s (21.7 m³/s) July 19-24, 26-28, 1975; no flow for periods in every year except 1914.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	463	75	76	55	50	54		0	687	753	588	584
2	440	81	64	54	50	54		0	705	733	586	615
3	423	82	61	53	50	53		0	711	733	592	641
4	423	82	59	52	50	53		0	711	735	565	647
5	395	82	58	51	50	53		0	713	737	561	643
6	387	94	57	50	50	52		0	713	737	542	624
7	360	100	56	50	50	52		0	713	737	565	563
8	308	100	56	50	50	51		.63	711	737	607	558
9	284	100	59	50	50	52		1.2	705	737	649	577
10	268	92	60	50	50	51		256	705	737	695	571
11	268	87	60	50	50	51		252	560	739	701	550
12	236	87	60	50	50	50		254	439	743	701	535
13	198	87	60	50	50	48		281	406	743	701	539
14	175	87	60	50	50	48		347	386	739	703	537
15	159	87	58	49	50	47		402	376	739	701	537
16	146	88	58	50	50	48		403	370	741	681	527
17	140	88	58	50	50	49		456	382	737	639	500
18	135	87	57	50	50	48		527	410	723	622	473
19	135	86	57	49	50	47		577	481	707	598	470
20	135	86	56	50	50	47		639	542	697	598	463
21	130	86	55	50	50	47		683	622	685	611	435
22	118	86	55	50	50	29		659	681	671	622	422
23	118	86	55	50	50	2.4		628	713	677	605	405
24	118	85	55	50	50	1.6		624	725	679	592	400
25	117	85	55	50	50	.43		636	735	677	590	381
26	116	86	55	50	50	0		653	733	677	575	382
27	100	87	55	50	51	0		649	735	677	565	374
28	76	83	55	50	52	0		651	737	675	565	358
29	72	81	55	50	53	0		665	733	677	563	386
30	70	82	55	50	---	0		661	729	675	563	398
31	73	---	55	50	---	0	---	659	---	641	571	---
TOTAL	6586	2605	1799	1563	1456	1088.43	0	11557.83	18569	22075	19017	15095
MEAN	212	86.8	58.0	50.4	50.2	35.1	0	373	619	712	613	503
MAX	463	100	76	55	53	54	0	683	737	743	703	647
MIN	70	75	55	49	50	0	0	0	370	641	542	358
AC-FT	13060	5170	3570	3100	2890	2160	0	22920	36830	43790	37720	29940

CAL YR 1975 TOTAL 98919.30 MEAN 271 MAX 765 MIN 0 AC-FT 196200
WTR YR 1976 TOTAL 101411.26 MEAN 277 MAX 743 MIN 0 AC-FT 201100

BEAR RIVER BASIN

1180. Bear River near Collinston, Utah

LOCATION.--Lat 41°50'03", long 112°03'16", in NW¼SE¼ sec.27, T.13 N., R.2 W., Box Elder County, Hydrologic Unit 16010204, on right bank 800 ft (244 m) downstream from Cutler plant of Utah Power & Light Co., 2,000 ft (610 m) downstream from Cutler Dam, and 5.5 mi (8.8 km) north of Collinston.

DRAINAGE AREA.--6,267 mi² (16,232 km²).

PERIOD OF RECORD.--July 1889 to current year. Published as "at Collinston" prior to 1900. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Datum of gage is 4,276.13 ft (1,303.364 m) above mean sea level (levels by Bureau of Reclamation). Prior to Nov. 8, 1913, nonrecording gage, and Nov. 8, 1913 to Sept. 10, 1938, water-stage recorder, at site 0.8 mi (1.3 km) downstream at different datums.

REMARKS.--Records good. Natural flow of stream affected by storage reservoir, power developments, diversions for irrigation, and return flow from irrigated areas.

COOPERATION.--Nine discharge measurements furnished by Utah Power & Light Co.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 11,600 ft³/s (329 m³/s) June 7-10, 1909, gage height, 7.70 ft (2.34 m), site and datum then in use; minimum daily, 10 ft³/s (0.28 m³/s) Aug. 4-12, 18-23, 1905; practically no flow at 2400 Aug. 5, 1920.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,260 ft³/s (149 m³/s) Apr. 8, gage height, 5.62 ft (1.713 m); minimum daily, 22 ft³/s (0.62 m³/s) June 25-30, July 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1450	2780	1910	1940	1470	2450	3300	3780	2890	22	818	65
2	1540	2890	2530	1480	2010	2960	3480	3780	2820	23	951	24
3	1830	2930	2190	1430	1800	3200	3680	3770	1960	23	120	25
4	1550	2930	1960	1370	1710	3080	3690	3780	2540	23	204	25
5	1200	2640	2540	1280	1980	2150	3720	3780	1820	23	1220	25
6	2130	2590	2540	1120	1410	1810	3780	3790	860	134	725	31
7	2160	2920	1860	1500	1260	2710	3790	3790	1240	24	795	25
8	2070	2870	1930	2140	1150	2860	4250	3780	1590	24	30	634
9	2200	2940	1610	1710	1990	2930	4400	3910	866	24	1060	314
10	2560	2840	2370	1970	2230	2920	4260	4060	325	28	30	1180
11	1820	2330	2000	1800	1800	2860	4390	4230	1170	24	30	362
12	1840	2870	1890	2500	1780	2280	4730	4220	951	50	30	1170
13	3230	2840	1940	2190	2000	2430	4490	4210	1650	24	24	316
14	2910	2440	2010	1790	1810	1940	4370	4180	1890	24	25	896
15	2700	2720	2650	2200	2260	2300	4610	4190	1890	24	25	398
16	2680	1980	1920	1720	2290	1510	4610	3980	1880	25	25	1550
17	2790	2900	1680	2700	2360	2150	4820	3720	1880	25	25	584
18	2630	2200	1980	1890	1740	2180	4830	3560	1880	24	435	1530
19	2940	2830	2180	2850	1740	2550	4570	3500	1880	24	25	748
20	2890	2880	1750	2340	2380	2960	4010	3110	1570	499	685	1370
21	2680	2570	1750	1960	1690	2950	3400	3080	732	101	157	1440
22	2610	2620	1680	1370	1850	3150	2960	3140	93	1250	24	1520
23	2610	2030	1960	1410	2490	3110	3520	3140	876	91	25	968
24	2730	2740	2130	1860	2870	3390	3670	3130	748	854	25	800
25	2780	1460	2470	1280	2640	3750	3590	3100	22	29	828	1320
26	2920	2360	1930	1260	2000	3690	3700	3130	22	262	260	1200
27	2750	1310	1940	1990	1920	3780	3780	3120	22	30	137	625
28	2920	2200	2470	2120	2330	3670	3920	3020	22	773	149	1560
29	2900	1890	1750	2160	2100	3180	4120	2920	22	32	175	1410
30	2820	2320	1860	2240	---	3110	3990	2500	22	30	366	921
31	2800	---	1910	2590	---	3220	---	2900	---	330	841	---
TOTAL	75640	75820	63290	58160	57060	87230	120630	110300	36333	4873	10269	23036
MEAN	2440	2527	2042	1876	1968	2814	4021	3558	1211	157	331	768
MAX	3230	2940	2650	2850	2870	3780	4830	4230	2890	1250	1220	1560
MIN	1200	1310	1610	1120	1150	1510	2960	2500	22	22	24	24
AC-FT	150000	150400	125500	115400	113200	173000	239300	218800	72070	9670	20370	45690

CAL YR 1975 TOTAL 755524 MEAN 2070 MAX 6440 MIN 26 AC-FT 1499000
WTR YR 1976 TOTAL 722641 MEAN 1974 MAX 4830 MIN 22 AC-FT 1433000

BEAR RIVER BASIN
1260. Bear River near Corinne, Utah

LOCATION.--Lat 41°34'35", long 112°06'00", in SE¼NE¼ sec.30 T.10 N., R.2 W., Box Elder County, Hydrologic Unit 16010204, on right bank 1.2 mi (1.9 km) downstream from Salt Creek, 2.0 mi (3.2 km) northeast of Corinne, and 2.8 mi (4.5 km) downstream from Malad River.

DRAINAGE AREA.--7,029 mi² (18,205 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1949 to September 1957, October 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,204.6 ft (1,281.56 km) unadjusted. Auxiliary nonrecording gage 7,800 ft (2,380 m) downstream July 27, 1950 to Nov. 21, 1955.

REMARKS.--Records good except those for winter months, which are fair. Natural flow of stream affected by upstream reservoirs, power developments, diversions for irrigation, and return flow from irrigated areas.

AVERAGE DISCHARGE.--21 years, 1,805 ft³/s (51.1 m³/s), 1,308,000 acre-ft/yr (1.61 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,370 ft³/s (209 m³/s) June 17, 1971, gage height, 15.12 ft (4.609 m); minimum daily, 72 ft³/s (2.04 m³/s) Aug. 20, 21, 26, Sept. 8, 1964, July 5, 1970.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,340 ft³/s (181 m³/s) Apr. 19, gage height, 13.07 ft (3.831 m); minimum, 109 ft³/s (3.09 m³/s) July 12, 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1020	3000	2530	2100	2700	2790	3750	4400	3110	156	556	983
2	1610	3010	2530	2100	1700	3130	3770	4250	3130	140	899	512
3	1890	3060	2560	1700	2200	3230	3560	4190	2650	156	1240	161
4	1980	3100	2130	1600	2000	3600	4120	4160	2090	142	626	141
5	1830	2990	2440	1500	1900	3300	4180	4130	2020	138	394	133
6	1720	2980	2620	1400	2200	2500	4300	4096	2020	134	1340	140
7	2280	2920	2310	1300	1600	2200	4310	4080	1300	190	1040	185
8	2320	3060	2200	1700	1400	2860	4290	4070	1680	184	1070	192
9	2420	3090	1960	2300	1300	2790	4660	4076	1900	127	497	575
10	2420	3100	2010	1900	2100	2850	4850	4170	1230	117	1040	665
11	2780	2950	2210	2200	2400	2720	4760	4390	771	116	561	1390
12	2210	2790	2110	2000	2000	2670	4900	4490	1500	120	190	806
13	2490	3040	2060	2700	2000	2460	5120	4500	1560	126	140	1360
14	3140	2930	2110	2400	2100	2560	4950	4480	2280	139	124	711
15	3070	2900	2400	2000	2100	2410	4860	4460	2340	139	116	1060
16	2820	2580	2400	2400	2400	2360	5070	4460	2360	127	140	860
17	2940	2670	2020	2000	2500	2150	5240	4230	2350	125	122	1610
18	2840	2770	1850	2000	2600	2460	5300	4000	2330	124	135	1140
19	2920	2820	1800	2200	2000	2910	5320	3840	2310	137	359	1750
20	3070	3040	2290	3000	2000	3220	5030	3680	2280	139	386	1160
21	3050	3070	1890	2600	2600	3420	4490	3430	1980	540	618	1760
22	2850	2890	1840	2100	2000	3560	3850	3430	1250	484	428	1760
23	2810	2840	1880	1600	2000	3680	3520	3480	425	1160	289	1410
24	2900	2420	2000	1700	2500	3710	3960	3400	1080	522	216	1460
25	2880	2660	2360	2000	3000	4620	4060	3460	1140	885	174	1270
26	3050	1980	2280	1900	2700	4280	4060	3420	356	429	794	1640
27	3140	2380	2090	1400	2350	4320	4150	3450	199	351	508	1620
28	3060	1900	2080	2100	2370	4360	4210	3410	180	179	344	1120
29	3130	2270	2200	2300	2720	4180	4370	3290	177	722	275	1760
30	3120	2290	1900	2400	---	3770	4523	3190	169	394	314	1780
31	3060	---	1970	2500	---	3676	---	2860	---	179	456	---
TOTAL	80820	83420	66970	63500	63440	98300	134090	121020	49309	8541	15391	31500
MEAN	2607	2781	2160	2048	2188	3171	4470	3904	1644	276	496	1050
MAX	3140	3100	2620	3000	3000	4360	5320	4500	3130	1160	1340	1910
MIN	1020	1900	1800	1300	1300	2150	3520	2860	169	116	116	133
AC-FT	160300	165500	132800	126000	126400	195000	266000	240000	97780	16940	30530	62480

CAL YR 1975 TOTAL 853078 MEAN 2282 MAX 6580 MIN 316 AC-FT 1692000
WTR YR 1976 TOTAL 816361 MEAN 2230 MAX 5320 MIN 116 AC-FT 1619000