FIRST BIENNIAL REPORT

BEAR RIVER COMMISSION

1979-80

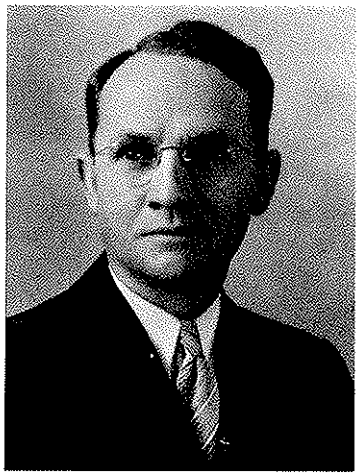
For the Report Year October 1, 1978 to

September 30, 1980

LOGAN, UTAH

July 1, 1981

IN MEMORIAM



Ernest O. Larson
Chairman and Federal Representative
Bear River Negotiating Commission, 1946-58
Bear River Commission, 1958-76

Clifford J. Skinner
Commissioner from Idaho
Bear River Commission, 1974-80

BEAR RIVER COMMISSION

22 EAST CENTER

LOGAN, UTAH

July 1, 1981

Mr. President:

Submitted herewith is the First Biennial Report of the Bear River Commission, as requested by Article III D 2 of the Amended Bear River Compact.

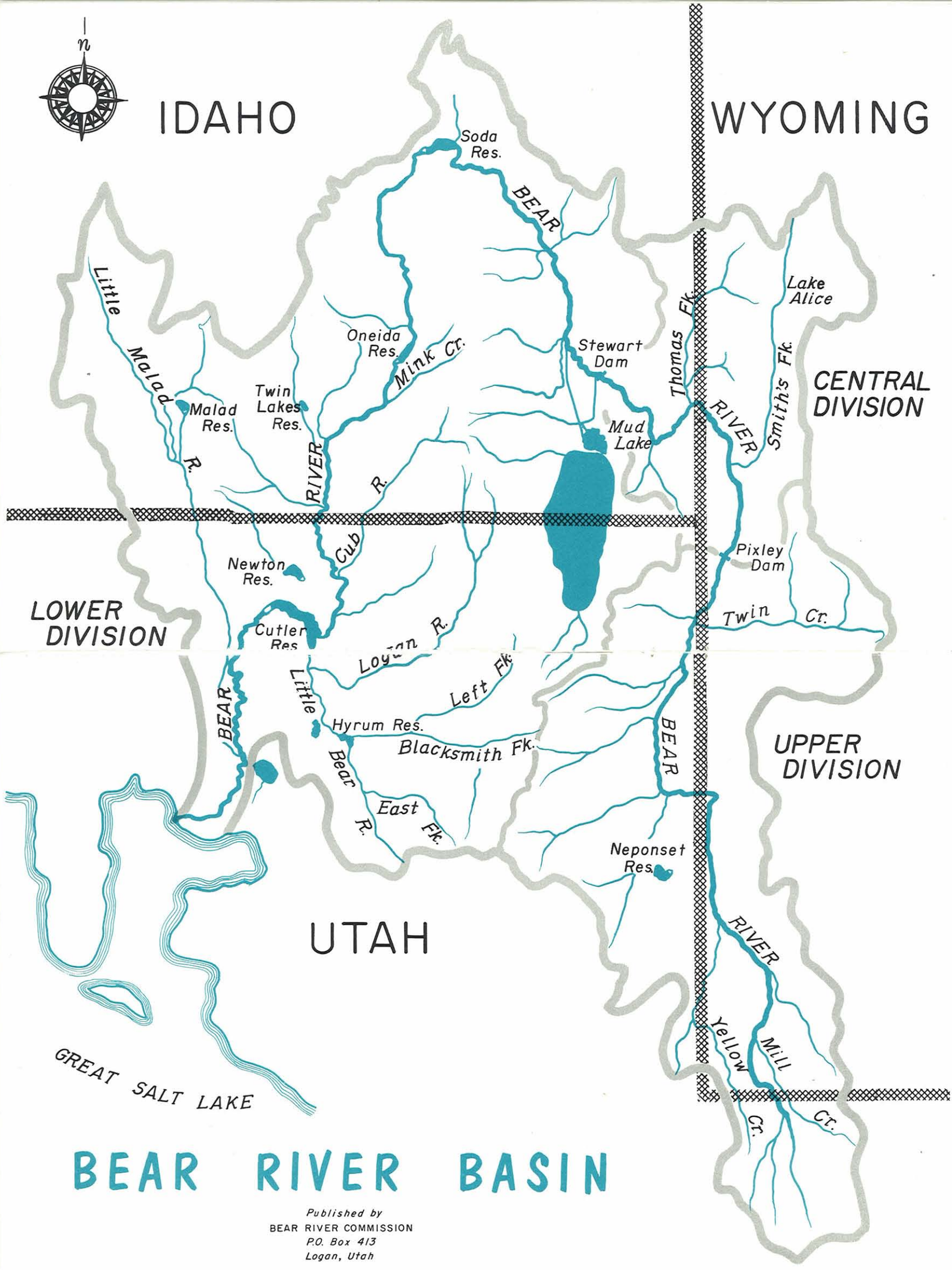
A copy of the report is being transmitted to the Governor of each signatory State to the Bear River Compact.

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
P.O. Box 413
Logan, Utah

CONTENTS

Letter of Transmittal 3
Introduction 8
Organization 8-9
Meetings 10
Budget and Fiscal Disbursements 10
Stream-Gaging Program 11
Administration of Bear River Compact 11
Water Supply 12
Streamflow Distribution 18
Upper Division 18
Central Division 24
Lower Division 24
Interstate Tributaries 25
Storage 25
New Storage 25
Bear Lake 25
Applications for Appropriation 26
Amended Bear River Compact 26-27
Appendix A - Auditor's Report 52-56
Appendix B - Gaging-Station Records 57-95

ILLUSTRATIONS AND TABLES

Frontispiece, Map of Bear River Basin 4-5
Figure 1. Comparative Flow at Three Gaging Stations 13
Figure 2-3. Water Supply Hydrographs 14-15
Figure 4. Bear Lake Bar Graph 16
Figure 5. Bear Lake Hydrograph 17
Figure 6-9. Upper Division Hydrographs 19-22
Figure 10. Woodruff Narrows Reservoir Hydrograph 23
Figure 11-14. Central Division Hydrographs 28-31
Tables 1-10. Upper Division Tabulation of Diversions 32-41
Tables 11-20. Central Division Tabulation of Diversions 42-51

FIRST BIENNIAL REPORT
BEAR RIVER COMMISSION

July 1, 1981

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.

The Bear River Compact was amended in accordance with Article XIII (Article XIV, Amended Compact) following several years of study and review of compact provisions. Principal amendments and other changes are discussed elsewhere in this report. State Amending Legislation was approved in each state in the spring of 1979, and Congressional consent given February 8, 1980 by Public Law 96-189, 96th Congress.

Article III D2 of the Compact was amended to provide that the Bear River Commission compile a biennial report rather than an annual report as provided in the original compact. Annual reports were compiled in each of 21 years (1958-78) and were transmitted to the President of the United States and to the Governors of the signatory states. This is the first Biennial Report covering the 1979 and the 1980 water years, October 1, 1978 to September 30, 1980.

River operation under the Bear River Compact and activities of the Bear River Commission during the biennium are summarized in this report. Financial report of the auditors and selected 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.

Clifford J. Skinner, Commissioner from Idaho since 1974, passed away July 16, 1980 at his home in Dingle. Cliff had suffered from cancer a relatively short time, and his passing came as a shock to members of the Commission. His dedicated efforts materially assisted in getting Commission and Idaho approval of the amended compact.

Ernest O. Larson, former Chairman and Federal Representative, passed away April 2, 1981 in Salt Lake City. Mr. Larson had a long and distinguished career in water resource development in the West having served for many years as Regional Director of the Bureau of Reclamation. He served as Chairman and Federal Representative on the Bear River Negotiating Commission from 1946 to 1958 and thereafter until 1976 in the same position on the Bear River Commission. A Resolution of recognition for his great service was approved by the Commission in Annual Meeting a few weeks following his passing.

George Christopulos, Commissioner from Wyoming, was elected Vice-Chairman of the Commission in April 1980. He succeeds Clifford J. Skinner who upon his passing a few months later was replaced as an Idaho Commissioner by Don Rex.

OFFICERS

Chairman ..... Wallace N. Jibson, Logan, Utah
Vice-Chairman ..... George L. Christopulos, Cheyenne, Wyoming
Secretary-Treasurer ..... Daniel F. Lawrence, Bountiful, Utah

MEMBERS

Idaho

J. Daniel Roberts ..... Preston, Idaho
Don Rex ..... Georgetown, Idaho
Don W. Gilbert ..... Grace, Idaho
C. Stephen Allred (Ex officio) ..... Boise, Idaho

Utah

Daniel F. Lawrence ..... Bountiful, Utah
Simeon Weston ..... Randolph, Utah
S. Paul Holmgren ..... Bear River City, Utah

Wyoming

George L. Christopulos ..... Cheyenne, Wyoming
John Teichert (Alternate) ..... Cokeville, Wyoming
J. W. Myers ..... Evanston, Wyoming

United States

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

Budget Committee

J. W. Myers ..... Evanston, Wyoming
Daniel F. Lawrence ..... Bountiful, Utah
C. Stephen Allred ..... Boise, Idaho

Operations Committee

John Teichert ..... Cokeville, Wyoming
J. Daniel Roberts ..... Preston, Idaho
S. Paul Holmgren ..... Bear River City, Utah

MEETINGS

Six meetings of the Commission were held during the biennium including two special meetings to consider budget and the cooperative stream-gaging program.

Regular Meeting — Dec. 22, 1978	Regular Meeting — Nov. 26, 1979
Annual Meeting — Apr. 16, 1979	Annual Meeting — Apr. 28, 1980
Special Meeting — Aug. 13, 1979	Special Meeting — Sep. 18, 1980

BUDGET AND FISCAL DISBURSEMENTS

Adopted Budget

	Fiscal Year Ending 9-30-79	Fiscal Year Ending 9-30-80	Fiscal Biennium Ending 9-30-80	Fiscal Biennium Ending 9-30-82
Compact Administration				
Personal Services	$ 9,288	$ 9,851	$ 19,139	$ 18,400
Travel and Subsistence	200	200	400	1,000
General Office Expense	294	389	683	710
Fiscal and Administrative	506	540	1,046	0
Washington Office Charge	1,012	1,080	2,092	0
Printing and Reproduction	900	0	900	1,200
Treasurer (Bond and Audit)	300	300	600	700
Printing Minutes	200	200	400	600
Legal Retainer Fee	1,000	1,000	2,000	600
Sub-Total	$ 13,700	$ 13,560	$ 27,260	$ 23,210
Stream-Gaging Program				
U.S. Geological Survey	$ 87,000	$ 90,000	$177,000	$210,160
Total	$100,700	$103,560	$204,260	$233,370

Allocation of Budget

U.S. Geological Survey	$ 43,500	$ 45,000	$ 88,500	$105,080
State of Idaho	19,067	19,520	38,587	42,763
State of Utah	19,067	19,520	38,587	42,763
State of Wyoming	19,066	19,520	38,586	42,764
Total	$100,700	$103,560	$204,260	233,370

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

The audit of accounts and records, including a statement of budget revenue and disbursements for the biennium ended September 30, 1980, is included in this report as Appendix A.

STREAM-GAGING PROGRAM

A cooperative, basin-wide program of stream gaging is administered from the Geological Survey office at Logan, Utah. The Geological Survey and Bear River Commission contribute equally to finance the collection of daily streamflow records at about 35 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.

Three gaging stations were dropped from the cooperative program as of September 30, 1979 and five additional stations as of September 30, 1980. Retained in the 1981 water year were 33 gaging stations. Discontinued September 30, 1979, after many years of record, were Summit Creek near Smithfield and Montpelier Creek. Hilliard East Fork Canal was turned over to Wyoming for operation. A year later, Malad River, Hyrum Reservoir, and Logan River below Blacksmith Fork were discontinued. Records for the West Side and Hammond Canals, diverting at Cutler Dam, were dropped but will be continued by Utah Power & Light Company.

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.

Past stream-gaging agreements with the Geological Survey included a program of administrative and technical assistance to the Commission financed by the Commission without matching Federal funds. This program was directed by the Geological Survey subdistrict chief at Logan, the principal office of the Commission. The subdistrict chief, serving as Assistant Secretary to the Commission, provided technical assistance to and operational procedures for the Commission.

The program as outlined continued through the 1980 biennium but, following retirement of the subdistrict chief, future cooperative agreements will be only for stream gaging on a 50-50 financing arrangement between the Commission and the Geological Survey.

Seasonal daily records were collected on about 130 diversions above Bear Lake by district water commissioners under the general supervision of the Assistant Secretary. 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 1-20 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

Streamflow in 1979 ranged from about 71 percent of a longtime average in the upper basin to about 82 percent in the lower basin. Streamflow increased in 1980 and ranged from about average to 116 percent. Again, Central and Lower Division runoff exceeded that from the Upper Division.

The bar charts on the opposite page (figure 1) illustrate a comparison of monthly and yearly streamflow in 1979 and 1980 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 1943-80	1979	1980
Upper Bear River	113,500	81,200	113,600
Smiths Fork	109,800	83,700	123,100
Logan River	123,200	100,300	142,700

Water Year

	Average 1943-80	1979	1980
Upper Bear River	135,700	97,000	130,400
Smiths Fork	142,400	115,700	156,600
Logan River	183,500	154,200	199,300

Diversion from Bear River to Bear Lake (for storage or bypass) was 157,000 acre-feet in 1979 or 63 percent of the 56-year average. In contrast, diversion in 1980 reached 436,000 acre-feet or 172 percent of average. Outflow, including bypassed water, also was below average (54%) in 1979 and above average (112%) in 1980. Net loss in the Lake in 1979 was 3,000 acre-feet and net gain in 1980 was 226,000 acre-feet.

The bar charts in figure 4, page 16, illustrate the hydrology of Bear Lake in 1979 and 1980 compared to the 1924-80 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 1979 would have lost 15,000 acre-feet from evaporation and other losses compared to an average gain of 10,800 acre-feet. Water-year hydrographs of Bear Lake 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
1979	5,917.03	5,919.65	5,916.99
1980	5,916.96	5,922.86	5,920.25

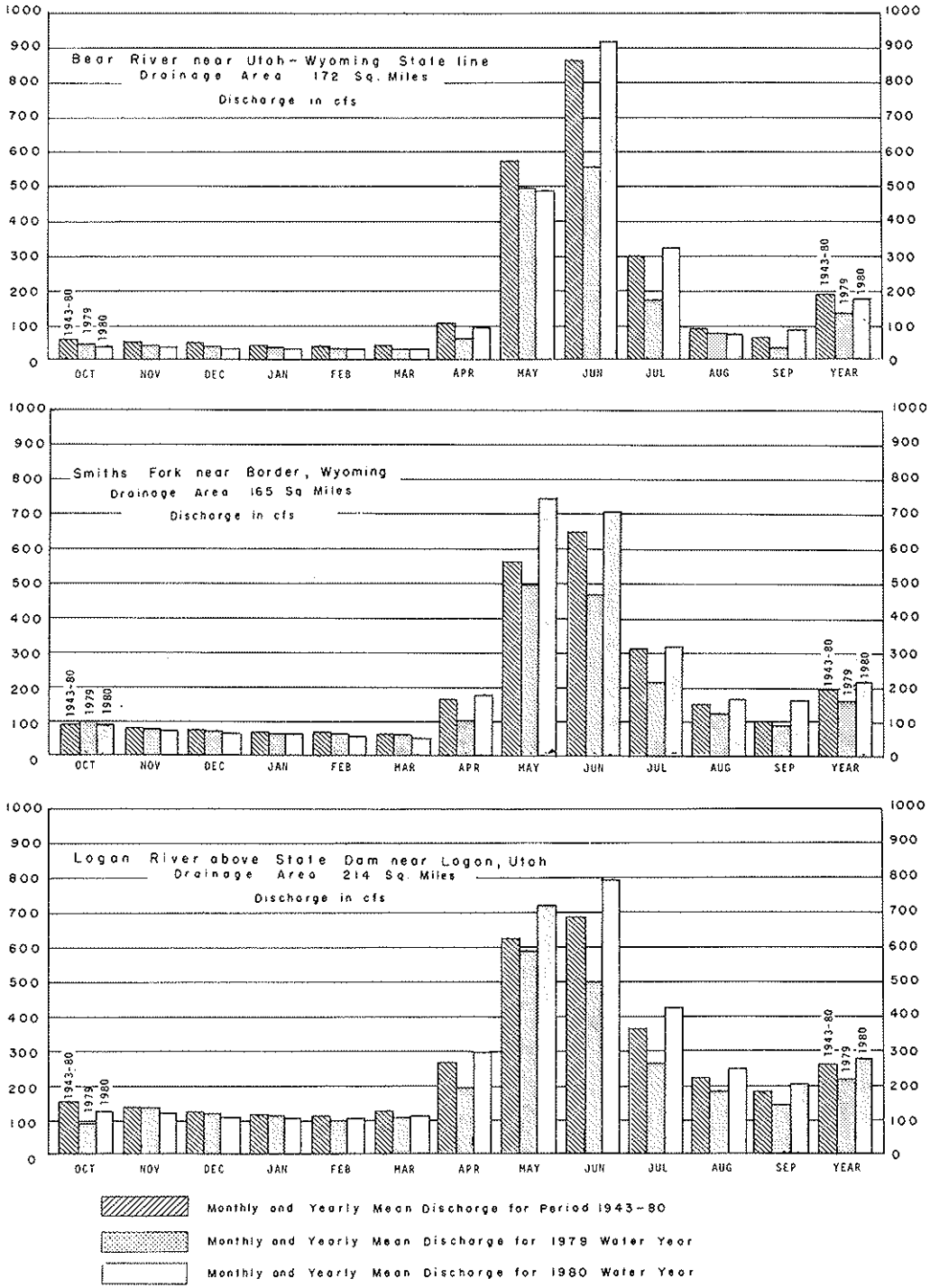
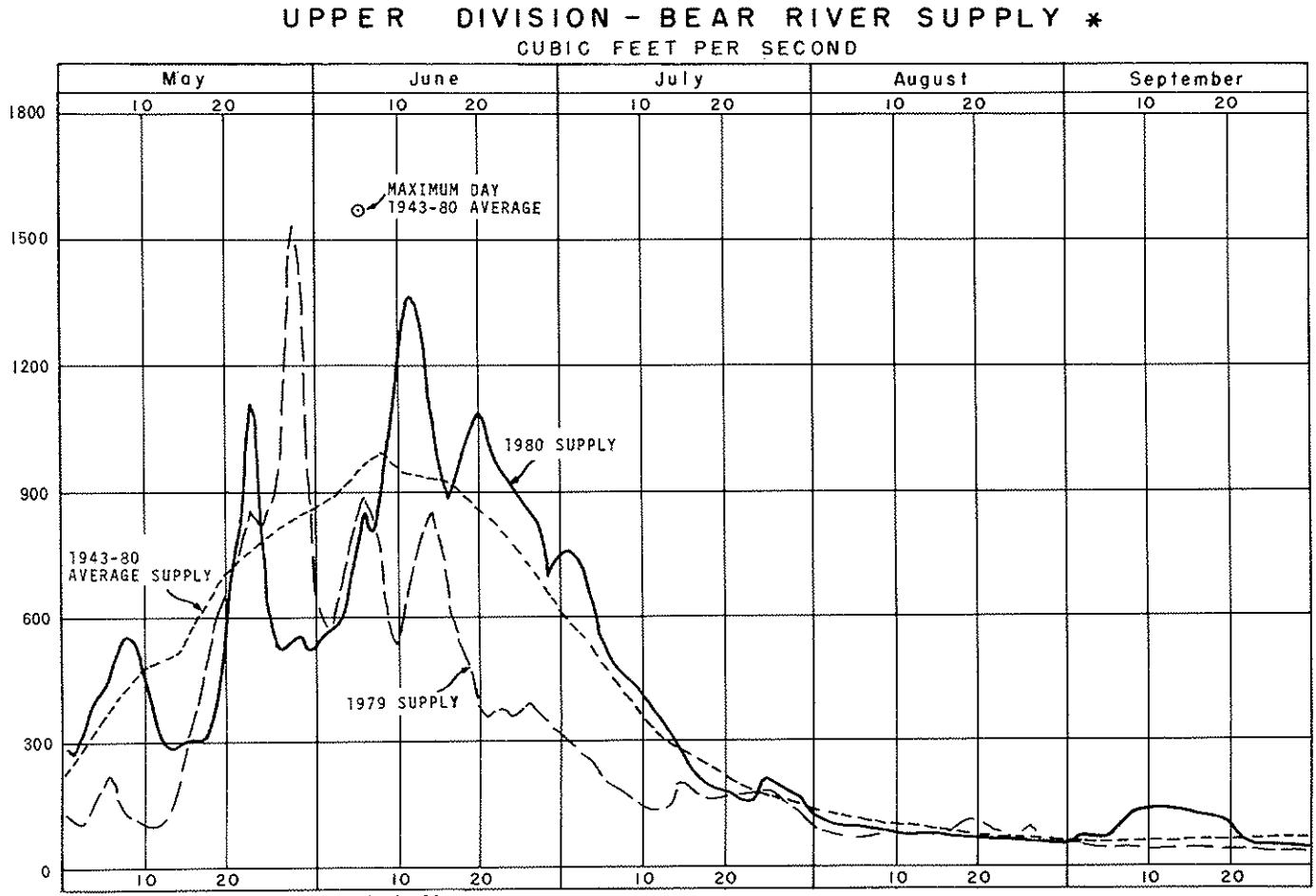


Figure 1 Comparison of discharge of three representative gaging stations in 1979 and 1980 with average discharge for period 1943-80

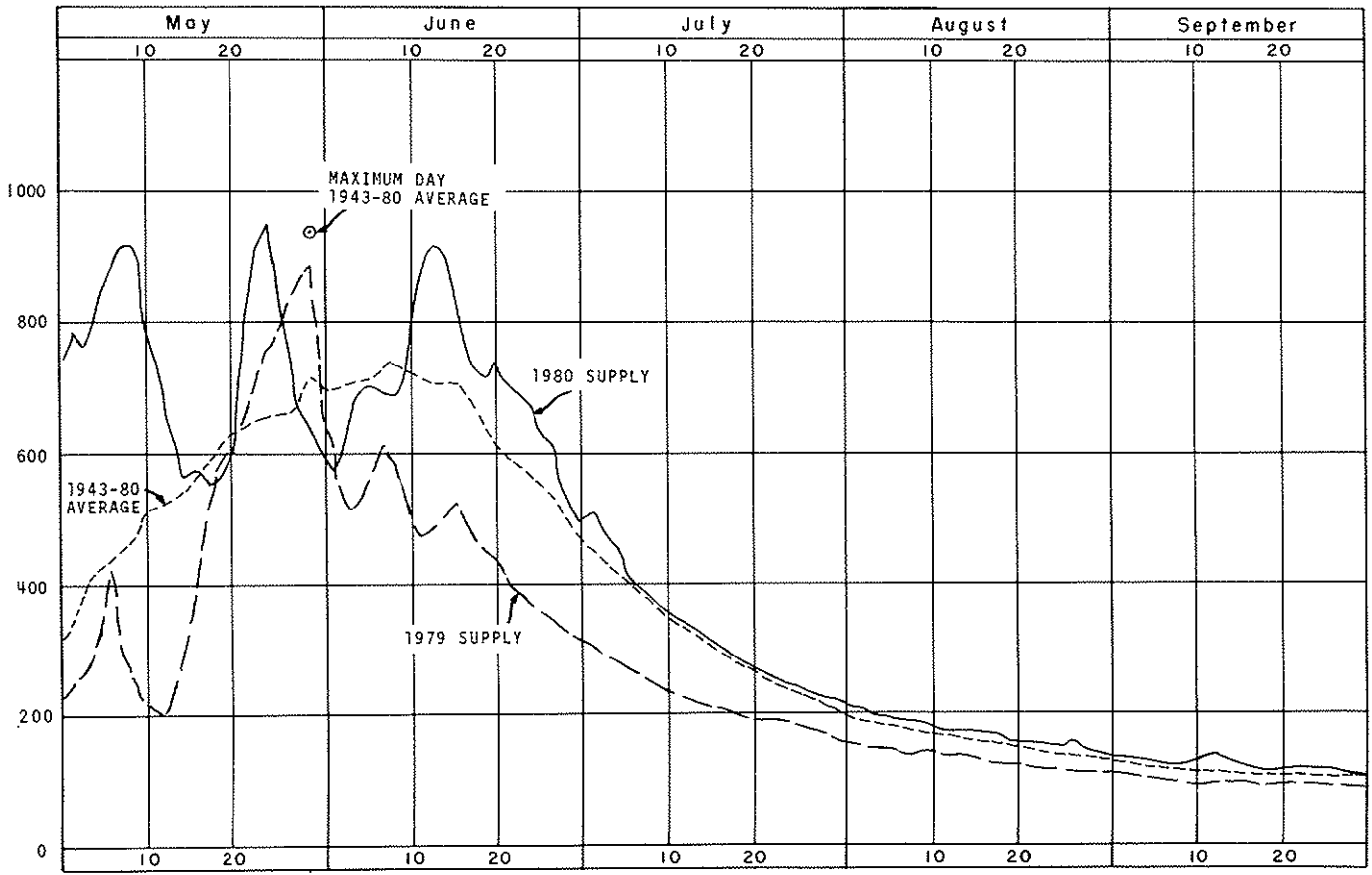


*Bear River near Utah-Wyoming State line

Figure 2

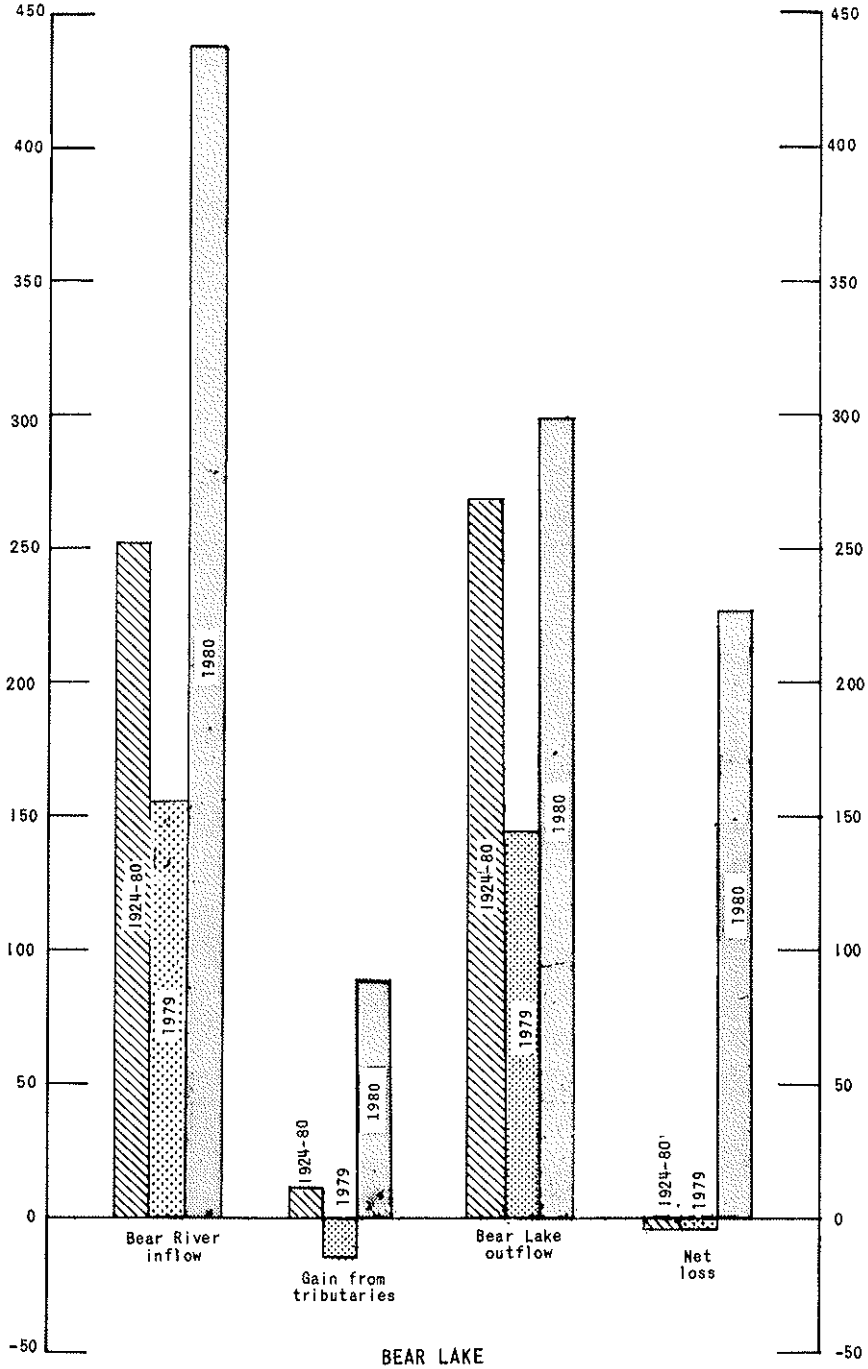
CENTRAL DIVISION – SMITHS FORK SUPPLY *

CUBIC FEET PER SECOND



*Smiths Fork near Border, Wyoming.

Figure 3



BEAR LAKE

ANNUAL QUANTITIES, IN THOUSANDS OF ACRE-FEET

Figure 4

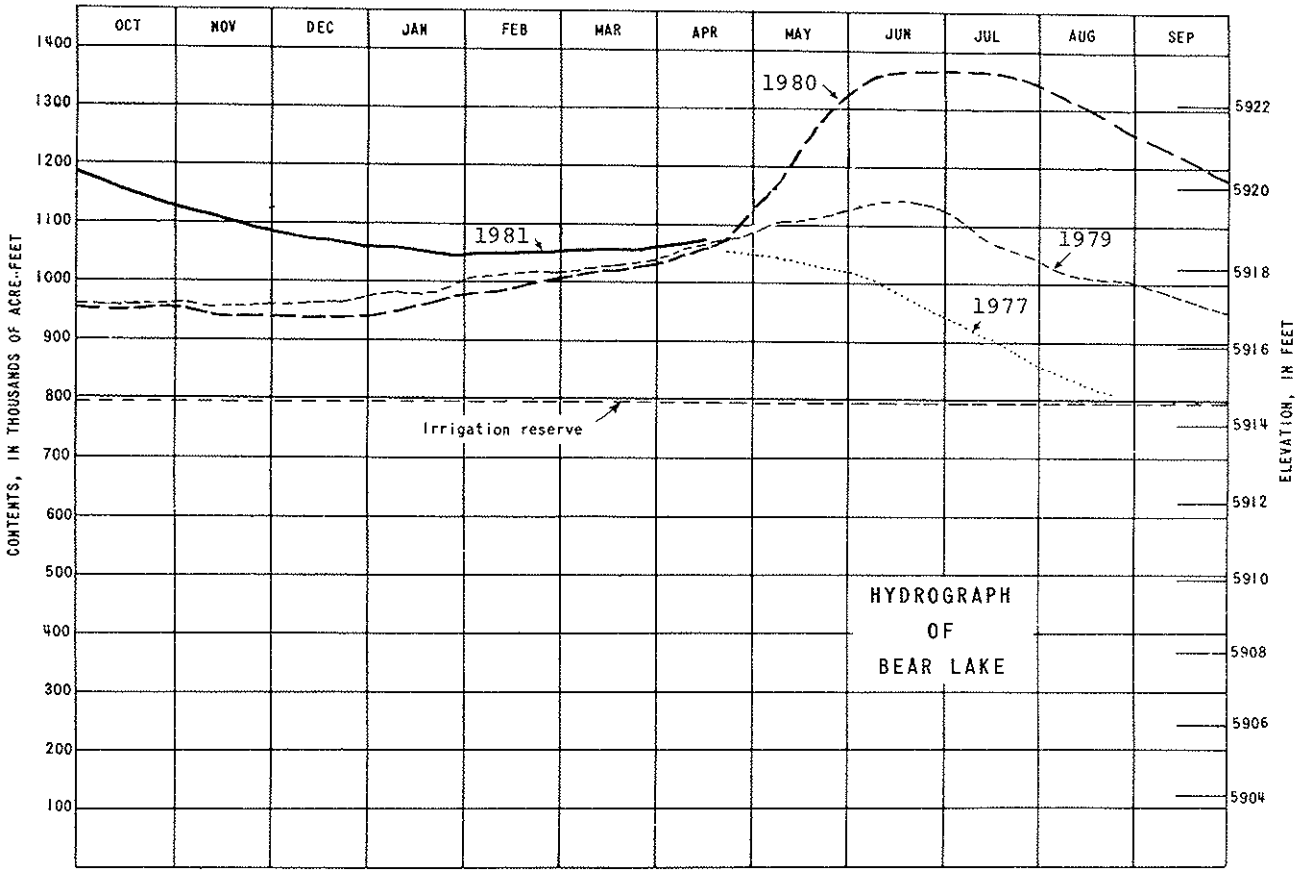

OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
CONTENTS, IN THOUSANDS OF ACRE-FEET
5922
5920
5918
5916
5914
5912
5910
5908
5906
5904
ELEVATION, IN FEET
1980
1981
1979
1977
Irrigation reserve
HYDROGRAPH
OF
BEAR LAKE

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

The hydrographs in figure 2, page 14, illustrate the generally deficient water supply in 1979 and the above-average supply after early June in 1980. Divertible flow in 1979 was below 1,250 cfs prior to May 20 and subsequent to June 26. All sections diverted relatively small quantities during the initial period of water emergency. (See figures 6 and 7 and tables 1-10, pages 32-41.) Article IV (e) of the Compact provides that unused allocation in any section of the Upper Division shall be available for use in other sections of the Division, first in order to sections in the same State then to sections in the other States. During the entire period of Water Emergency in 1979, each section diverted an amount equal to or less than its basic allocation or its basic allocation increased by unused allocation from other sections.

Upper Division hydrographs for 1980 are shown in figures 8 and 9, pages 21 and 22. Divertible flow was below 1,250 cfs from July 14 through the balance of the season. During this Water Emergency condition, diversion in Lower Utah and Lower Wyoming Sections virtually had ceased, so interstate regulation was not required during the year.

Diversion in 1979 and 1980 included the following volumes of water released from storage in the major reservoirs:

	Whitney	Sulphur Cr.	Woodruff Narrows	Woodruff Cr.
1979	2,600 ac-ft	4,700 ac-ft	22,000 ac-ft	3,100 ac-ft
1980	3,900 ac-ft	4,800 ac-ft	16,000 ac-ft	3,500 ac-ft

Note: See figure 10 (page 23) and page 57 for reservoir detail

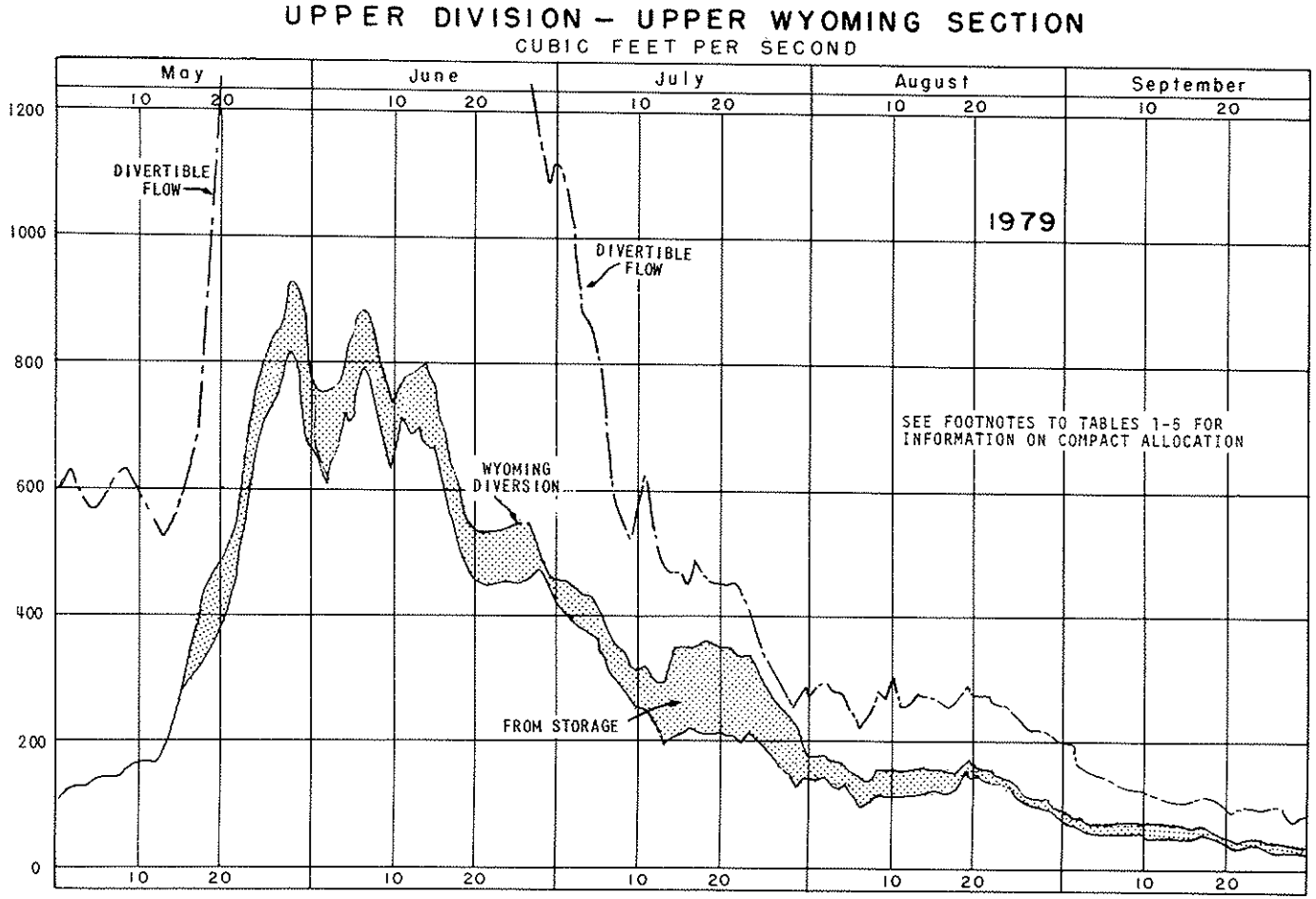

UPPER DIVISION – UPPER WYOMING SECTION
CUBIC FEET PER SECOND
May
June
July
August
September
10
20
1200
1000
800
600
400
200
0
DIVERTIBLE FLOW
DIVERTIBLE FLOW
1979
SEE FOOTNOTES TO TABLES 1-5 FOR INFORMATION ON COMPACT ALLOCATION
WYOMING DIVERSION
FROM STORAGE

Figure 6

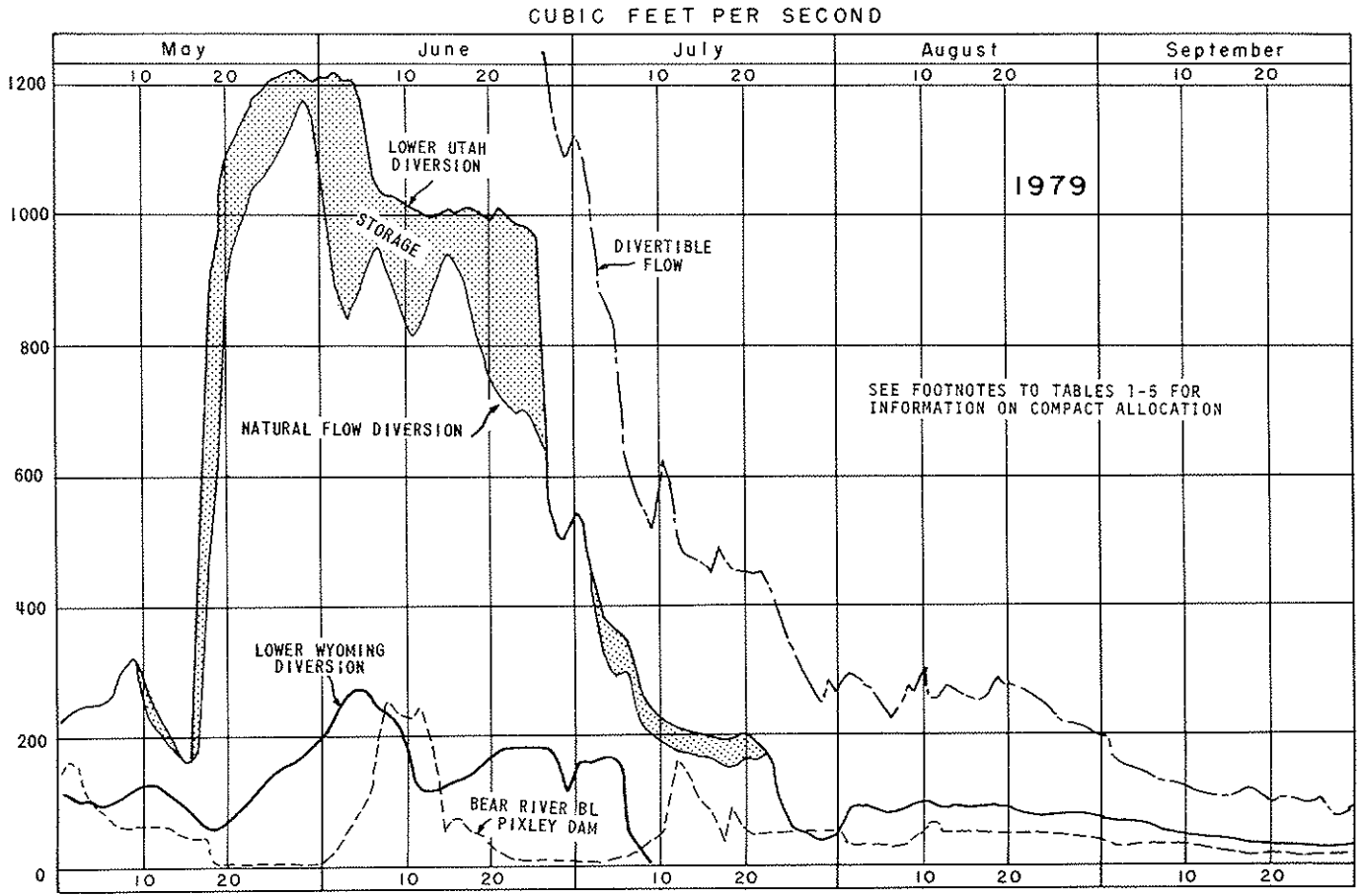

UPPER DIVISION - LOWER UTAH & LOWER WYOMING SECTIONS - 1979
CUBIC FEET PER SECOND
May
June
July
August
September
10
20
1200
1000
800
600
400
200
0
LOWER UTAH DIVERSION
STORAGE
DIVERTIBLE FLOW
1979
SEE FOOTNOTES TO TABLES 1-5 FOR INFORMATION ON COMPACT ALLOCATION
NATURAL FLOW DIVERSION
LOWER WYOMING DIVERSION
BEAR RIVER BL PIXLEY DAM

Figure 7

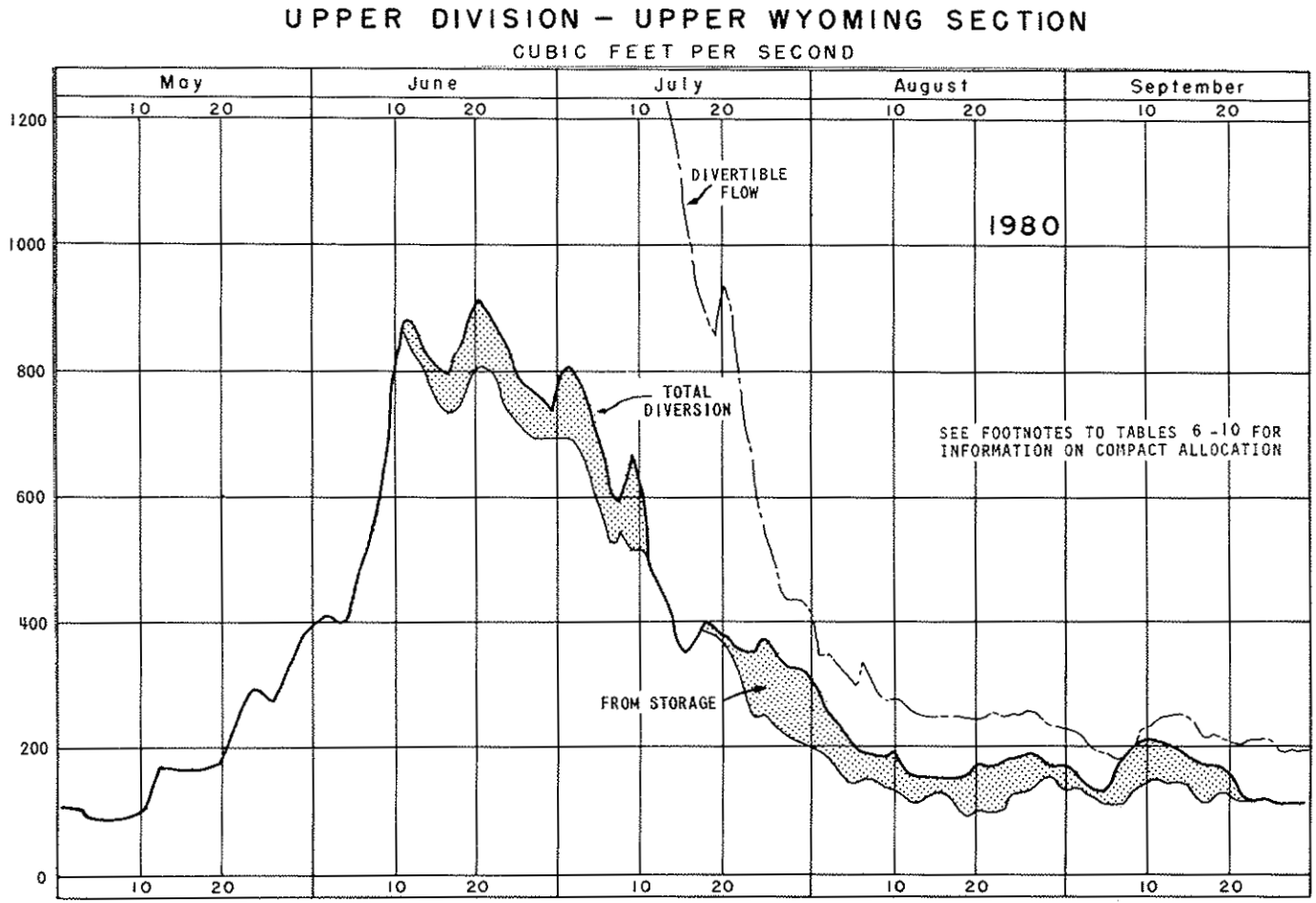

UPPER DIVISION – UPPER WYOMING SECTION
CUBIC FEET PER SECOND
May
June
July
August
September
10
20
1200
1000
800
600
400
200
0
DIVERTIBLE FLOW
1980
TOTAL DIVERSION
SEE FOOTNOTES TO TABLES 6 -10 FOR INFORMATION ON COMPACT ALLOCATION
FROM STORAGE

Figure 8

UPPER DIVISION - LOWER UTAH & LOWER WYOMING SECTIONS - 1980

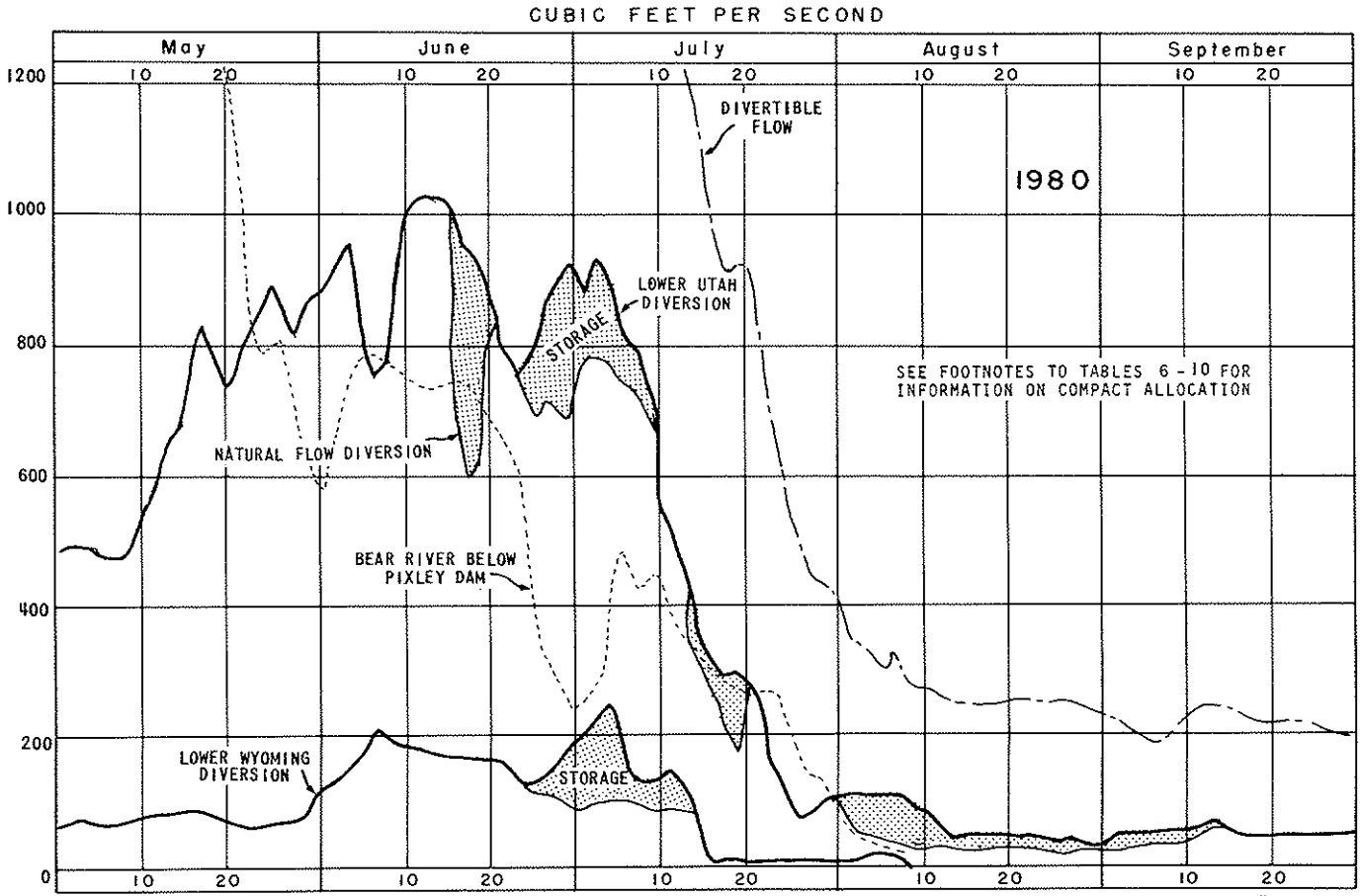


Figure 9

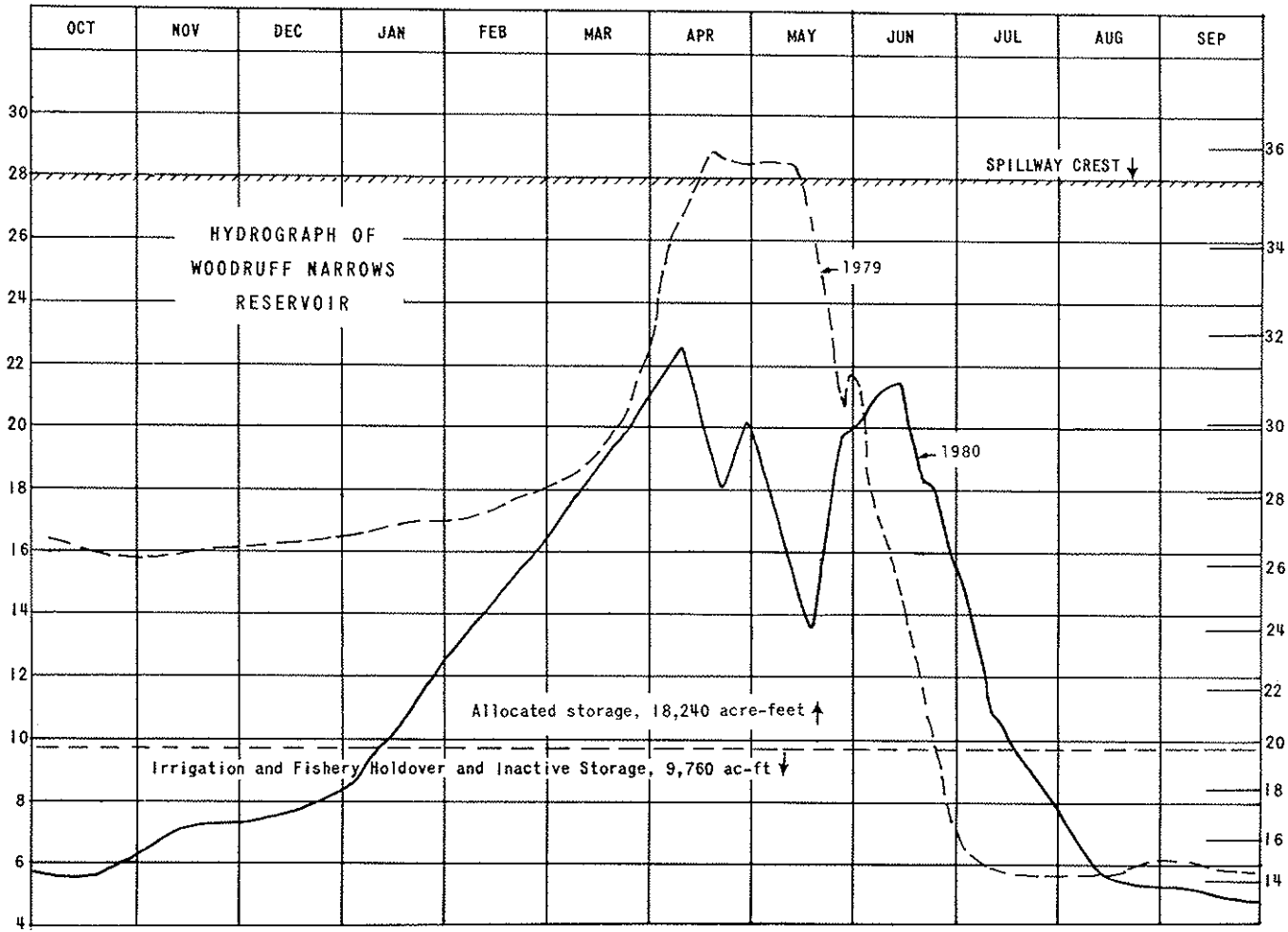

OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
HYDROGRAPH OF
WOODRUFF NARROWS
RESERVOIR
SPILLWAY CREST
1979
1980
Allocated storage, 18,240 acre-feet
Irrigation and Fishery Holdover and Inactive Storage, 9,760 ac-ft
30
28
26
24
22
20
18
16
14
12
10
8
6
4
36
34
32
30
28
26
24
22
20
18
16
14

Figure 10

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 (1979-80) are shown for the two sections in the Central Division in figures 11-14, and corresponding data for individual canals are included in tables 11-20 (pages 42-51). A water emergency in 1979, as defined above, occurred in the first half of May and from June 21 until September 30. Diversion in the Wyoming Section was less than the respective allocation excepting a few days in early July and in mid-August when diversion slightly exceeded allocation. For the period June 21 to September 30, diversion was 87 percent of allocation. Water Emergency in 1980, a year of plentiful supply, did not begin until July 26; after which, Wyoming diversion was well below the allocation (figure 13). Idaho diversion for irrigation (figure 14), as usual, was far less than the section allocation, but more than the difference was being diverted in the Rainbow Inlet Canal.

Effectiveness of interstate regulation in the dry years of 1961, 1966, 1977, and 1979 is indicated in the following table by the small spread in diversion rate per acre in the two sections. In wet 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
Wy.	2.16	5.82	5.06	4.48	4.96	3.32	4.78	4.02	4.24	4.25
Id.	1.72	3.26	3.28	2.91	2.87	2.95	3.05	3.39	3.48	3.50

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Wy.	4.39	4.74	4.24	5.68	4.39	4.12	1.50	4.29	3.27	4.31
Id.	3.33	3.35	3.09	3.81	3.43	3.32	1.26	3.19	3.13	2.85

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 any 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 1979 or 1980. (See Amended Bear River Compact, page 26.)

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 1979 or 1980.

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. (See Amended Compact, page 26.)

Reservoirs shown below have been constructed under additional storage provisions of the Compact. Allocation to Woodruff Narrows Reservoir includes 15,240 acre-feet from Utah.

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 VI 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 1979 and 1980, 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 in the original compact.

Maximum surface elevation of Bear Lake in 1979 occurred June 10-12 at elevation 5,919.64 feet with active content of 1,140,000 acre-feet. (See figure 5, page 17.) Minimum level occurred in early November and again at the end of the water year at elevation 5,916.99 feet, active content of 956,200 acre-feet. In 1980, maximum level occurred in late June and early July when the Lake was maintained (by releases) at 5,922.86 feet with content of 1,366,000 acre-feet. Without the release in June and early July, the Lake would have increased above the maximum of record. Minimum level was in mid-November at elevation 5,916.70 feet, content, 936,400 acre-feet.

APPLICATIONS FOR APPROPRIATION

Article XI of the Amended 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, nor shall any such application be approved if the effect thereof will be an increase in the depletion of the flow of the Bear River and its tributaries beyond the limits authorized in each State in Articles IV, V, and VI of this Compact. The official of each State in charge of water administration shall, at intervals and in the format established by the Commission, report on the status of use of the respective allocations."

Allowable depletion in Articles V and VI applies to water put to beneficial use on or after January 1, 1976. The following summary is for the period, January 1, 1976 through December 31, 1980. Adjudicated rights include not only filings for appropriation made after January 1, 1976 but also any rights with prior filings that were subsequently adjudicated and first put to beneficial use after January 1, 1976. Applications approved for adjudication include only those filed after January 1, 1976, the majority of which were not put to beneficial use prior to December 31, 1980.

January 1, 1976 - December 31, 1980

Adjudicated (Licensed, etc.)	Wyoming	Utah	Idaho
Surface Water	15 cfs	148 cfs	82 cfs
Ground Water	0 cfs	81 cfs	51 cfs
Approved for Adjudication			
Surface Water	5 cfs	165 cfs	522 cfs (1)
Ground Water	24 cfs	213 cfs	390 cfs
Storage			
Adjudicated	0	139 ac-ft	0
Approved (Valid) (2)	28,949 a.f.	2,503 ac-ft	18

(1) Includes 443 cfs for power.
(2) Woodruff Narrows Enlargement, 28,930 ac-ft.

AMMENDED BEAR RIVER COMPACT

Proposed amendments to the Bear River Compact were approved by the Commission in December 1979, and the Amended Compact became law February 8, 1980. Amendments provide for the following principal changes to the 1958 compact:

1. Direct-flow allocation of water in the two divisions above Bear Lake is unchanged. Allocation in the Lower Division is unchanged for water applied to beneficial use prior to January 1, 1976. All surface and ground water applied to beneficial use in the Lower Division after January 1, 1976 is divided on a depletion basis with Idaho being granted the first right to develop and deplete 125,000 acre-feet, Utah is granted the second right to 275,000 acre-feet, and the next 150,000 acre-feet is divided equally. Water in excess of the above allocations is divided with Idaho receiving 30 percent and Utah 70 percent.

2. Additional storage is granted above Bear Lake for 74,500 acre-feet, of which 4,500 acre-feet is granted to Idaho and 35,000 acre-feet each to Utah and Wyoming. This storage, plus water appropriated including ground water, applied to beneficial use after January 1, 1976 shall not result in an increase in depletion of more than 28,000 acre-feet in excess of that on January 1, 1976. Thirteen thousand (13,000) acre-feet of the additional depletion is allocated to each of Utah and Wyoming, and two thousand (2,000) acre-feet is allocated to Idaho.

3. Additional rights are granted to store water above Bear Lake that would otherwise be spilled or bypassed from Bear Lake when all other direct flow and storage rights are satisfied.

4. Additional diversion to storage as provided by amendments to the Compact shall not be permitted when Bear Lake level is below 5,911.00 feet, Utah Power & Light datum.

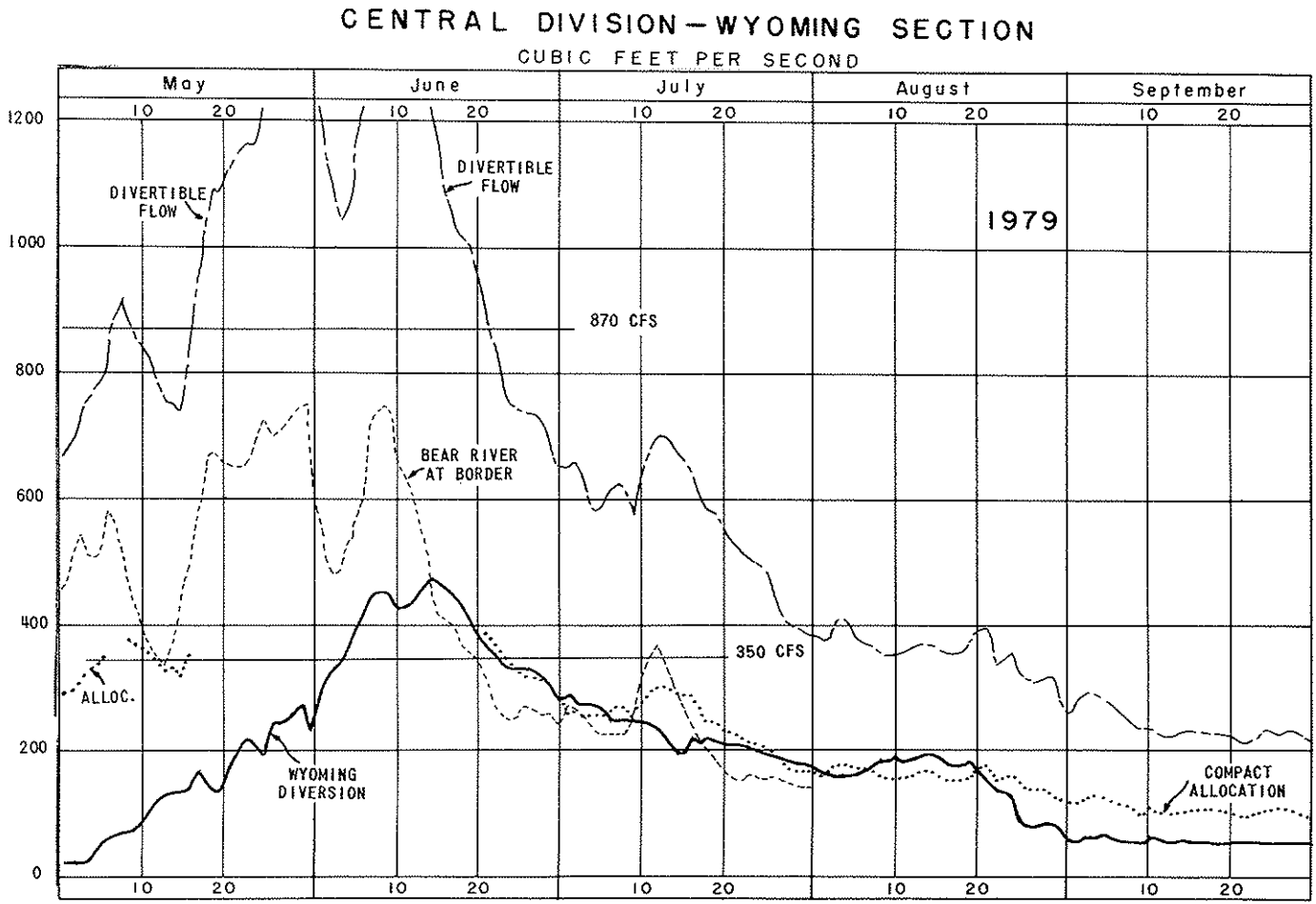

CENTRAL DIVISION—WYOMING SECTION
CUBIC FEET PER SECOND
May
June
July
August
September
1200
1000
800
600
400
200
0
10
20
DIVERTIBLE FLOW
DIVERTIBLE FLOW
1979
870 CFS
BEAR RIVER AT BORDER
350 CFS
ALLOC.
WYOMING DIVERSION
COMPACT ALLOCATION

Figure 11

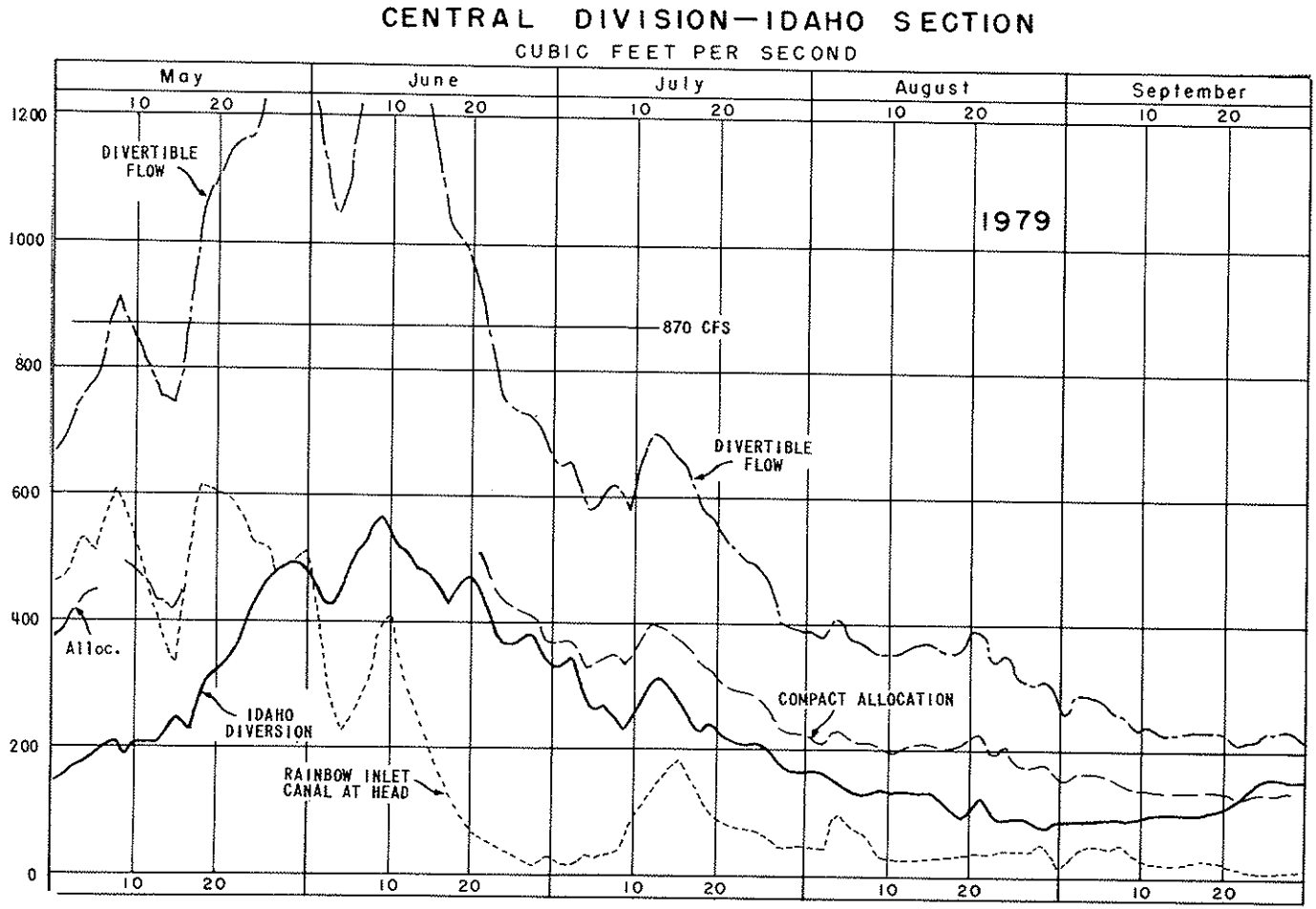

CENTRAL DIVISION—IDAHO SECTION
CUBIC FEET PER SECOND
May
June
July
August
September
10
20
1200
1000
800
600
400
200
0
1979
DIVERTIBLE FLOW
870 CFS
DIVERTIBLE FLOW
Alloc.
IDAHO DIVERSION
COMPACT ALLOCATION
RAINBOW INLET CANAL AT HEAD

Figure 12

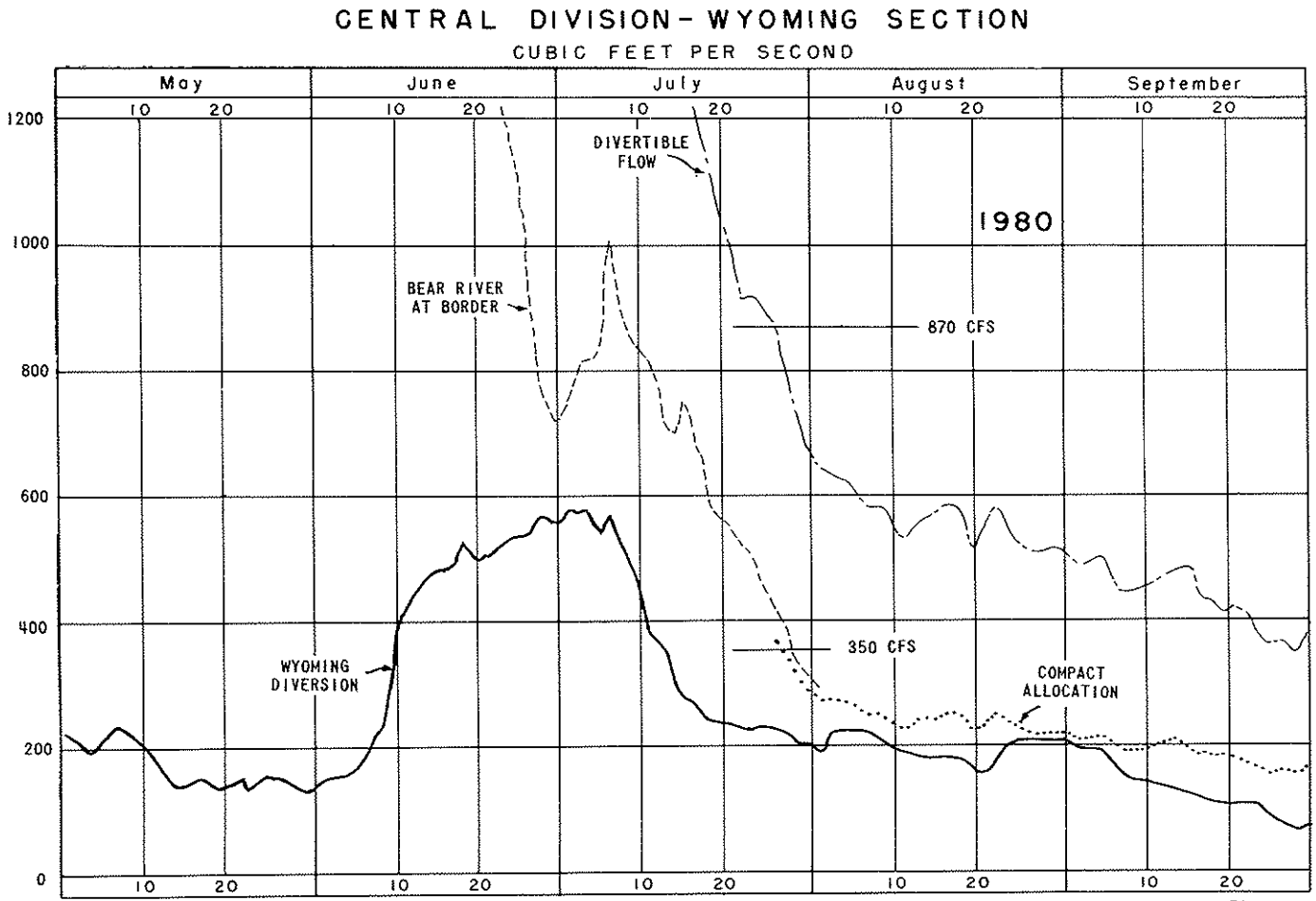

CENTRAL DIVISION - WYOMING SECTION
CUBIC FEET PER SECOND
May
June
July
August
September
10
20
1200
1000
800
600
400
200
0
1980
DIVERTIBLE FLOW
BEAR RIVER AT BORDER
870 CFS
350 CFS
WYOMING DIVERSION
COMPACT ALLOCATION

Figure 13

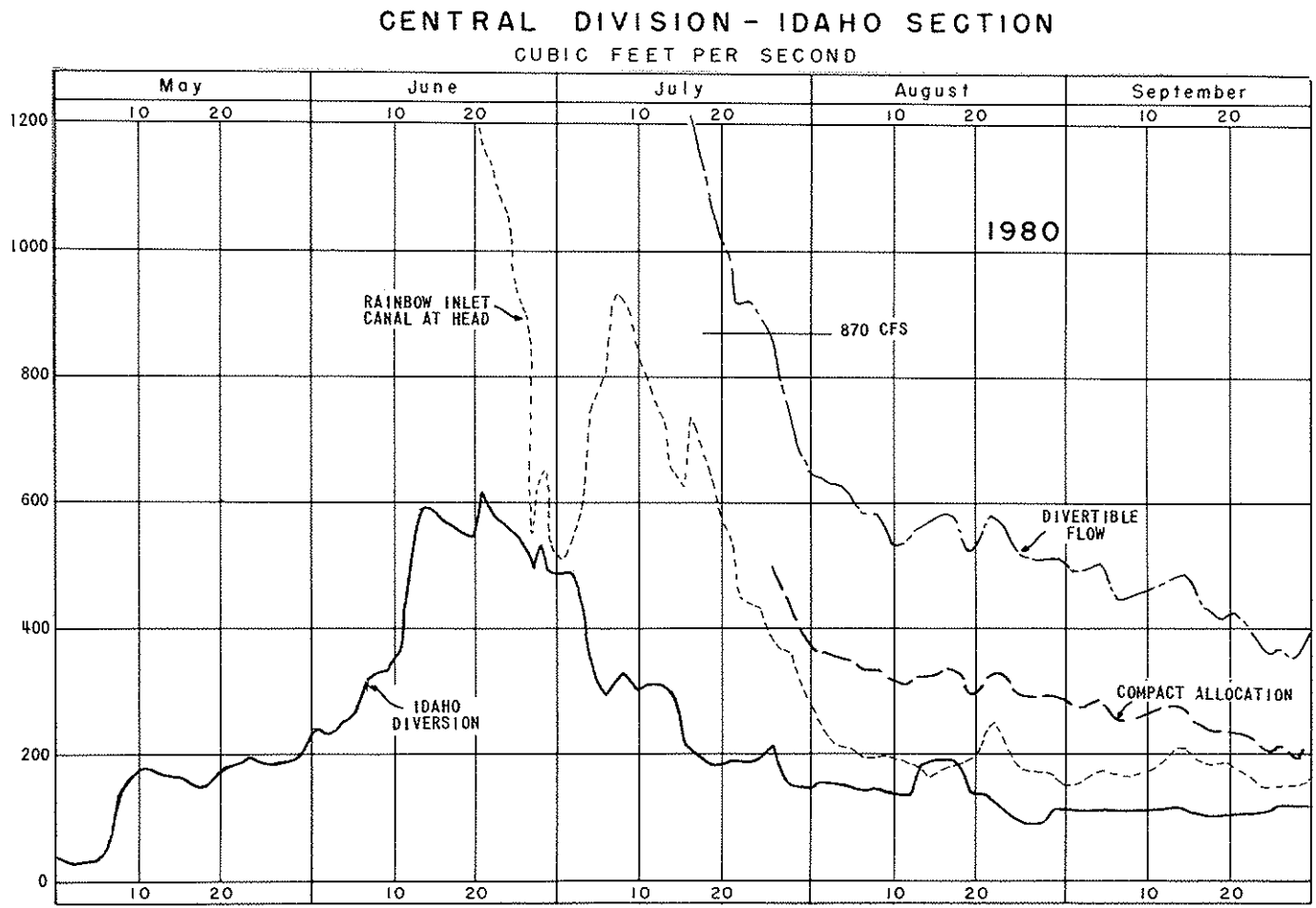

CENTRAL DIVISION - IDAHO SECTION
CUBIC FEET PER SECOND
May
June
July
August
September
10
20
1200
1000
800
600
400
200
0
1980
RAINBOW INLET CANAL AT HEAD
870 CFS
DIVERTIBLE FLOW
COMPACT ALLOCATION
IDAHO DIVERSION

Figure 14

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

MAY 1979	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																																
Novarka Canal (E. Fk)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	7	7	7	7	7	7	7	8	13	15	18	18	18	18	167
Compact Allocation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					7												
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	2	14	12	10	9	8	7	6	8	11	16	19	21	22	27	23	24	24	15	16	13	13	9	8	5	3	2	341
Hilliard West Side	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	10	10	9	8	8	7	9	17	18	20	27	24	22	27	358
Bear	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8	24	24	29	70	73	68	61	63	442
Tropic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	6	5	21
Danielson	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	24	26	26	26	32	32	27	31	220
Pine Grove & Crown	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	7	38	40	40	42	46	44	35	29	365
McGraw & Big Bend	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	4	5	5	5	5	12	21	30	30	37	32	34	37	295
Homer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	5	3	3	3	2	32
Lewis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	2	2	3	3	4	4	4	4	4	4	36
Lewis and Blanchard	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	37
Myers 2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	3	6	5	5	3	1	0	0	45
Ware	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	2	8	9	6	5	4	3	2	2	60
Coffman 1 & 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	2	3	3	3	4	5	2	1	26
Knoder	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	2	1	2	2	1	14
Myers 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	4	4	4	3	2	1	2	26
Myers Irrigating	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	10	10	10	10	8	8	10	12	12	8	6	5	120
Booth	0	0	0	0	2	2	2	1	1	0	0	0	0	1	8	7	6	5	4	4	3	3	4	5	13	16	25	23	18	14	12	180
Anel	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	1	2	1	1	1	1	1	76
Cornelison	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	3	4	5	6	6	6	7	7	8	8	8	8	8	7	7	7	110
Evanston Water Supply	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	4	8	17	17	18	19	18	17	15	159
Knight 1 & 2	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	3	1	7	14	15	14	12	12	11	10	119
State Hospital	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Evanston Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	29	25	25	22	22	22	22	16	192
Barton	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	7	9	13	13	12	11	10	9	9	8	7	7	6	6	6	139
Faulkner	7	7	7	7	6	5	5	6	6	5	5	5	5	4	5	6	7	8	8	9	11	13	15	16	18	18	18	18	19	19	19	307
Rocky Mountain-Blyth	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	19	19	19	20	20	20	20	19	19	19	19	18	18	18	18	17	308
Bennet	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	1	1	14
Bruce-Barton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	4	5	6	8	9	8	8	7	6	6	5	5	4	4	91
A.K. Sims	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	3	4	5	5	5	5	5	5	4	4	4	4	4	64
Junction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	2	3	3	3	3	27
Fearne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5	7	8	10	12	13	15	14	13	12	11	10	9	8	8	160
Thomas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	3	3	4	4	5	4	4	4	4	3	3	3	2	51
Saxton Irrigating	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	5	4	7	15	16	15	14	10	13	16	11	7	148
John Sims-So. Pacific	0	0	0	1	1	1	1	1	1	1	2	2	2	2	8	15	17	16	16	16	18	25	32	32	22	27	25	23	14	12	10	346
Ramsey	0	0	0	0	0	0	0	0	0	0	0	0	24	43	43	43	43	39	30	30	31	31	34	31	31	30	32	46	55	30	12	658
Alny	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	3	4	4	4	3	3	3	3	4	4	4	4	4	4	4	62
Sims-Blight-Turner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	19	19	19	18	18	18	18	17	17	173
Bowns-Russell	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	3	4	4	4	5	6	6	6	6	6	6	6	6	6	81
Turner	0	0	0	0	0	0	0	0	0	0	2	2	1	2	3	4	5	6	8	9	10	11	12	13	12	12	11	10	9	9	8	155
Chapman (and Bartlett)	26	27	30	29	29	31	31	31	49	64	62	60	58	60	63	71	95	104	113	139	123	128	147	142	141	140	145	145	160	145	145	2713
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	12	18	26	14	23	16	20	14	143
Bowns & Bruce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	6	10	16	26	25	22	22	24	30	35	30	25	275
Tunnel	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	10	25	25	24	24	25	29	38	36	37	281
Fowkes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	3	3	4	4	4	4	4	3	3	3	2	43
Christensen	0				0					0					0					0						0						
Upper Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	7	9	11	13	16	18	20	20	20	20	20	18	15	14	227
Blight Irrigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	1	1	1	1	1	1	17
Francis-Lee	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	43	58	63	63	62	62	62	62	63	63	63	65	69	70	70	71	1609
Bear River	14	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	69	69	69	69	69	69	69	69	69	69	69	70	69	68	68	1483
UPPER WYOMING TOTAL	107	123	126	126	130	145	147	140	156	168	166	164	191	222	261	304	400	432	452	476	497	547	656	775	807	830	868	925	921	825	769	12851
ADJUSTED FOR STORAGE	107	123	126	106	130	145	147	140	174	132	130	128	155	191	261	268	306	333	353	378	399	449	558	676	708	731	767	819	815	720	663	11081
COMPACT ALLOCATION	(See Footnote)																															
LOWER UTAH																																
Neville	2	2	2	2	7	2	2	2	2	2	2	2	2	3	2	4	11	9	8	6	8	7	7	6	6	6	6	6	6	6	6	141
Booth	28	28	28	28	28	28	28	28	28	28	28	28	28	25	23	25	53	58	52	47	46	45	44	44	46	46	45	46	46	45	45	1145
Rees Land & Livestock	0	0	0	0	0	0	0	0	0	18	28	25	22	20	18	26	104	108	69	103	102	102	102	102	102	101	101	102	102	104	105	1666
Crawford Thompson	10	11	13	14	16	17	21	23	34	32	21	16	12	11	8	10	224	253	252	253	265	254	253	253	253	253	253	255	255	255	256	4037
Randolph-Woodruff	50	55	60	65	68	77	107	117	117	101	73	59	46	36	29	31	209	244	252	261	275	280	285	290	296	302	298	293	301	301	299	5272
Dykens	15	15	15	15	15	15	17	19	17	13	7	6	5	5	4	5	22	33	36	36	37	36	37	37	37	37	37	37	38	38	39	724
Randolph-Sage Creek	90	90	90	90	80	76	77	83	82	73	62	63	60	58	54	52	74	109	124	130	136	138	152	166	167	165	165	167	168	169	173	3388
McKinn	21	21	21	21	21	20	20	20	22	20	19	17	16	15	11	10	10	20	25	29	30	32	33	34	36	39	40	40	40	40	40	784
Enberg	3	3	3	3	3	3	3	3	4	4	5	7	7	9	9	8	8	14	22	25	26	28	30	30	31	32	33	35	34	36	37	498
B.Q. West Side	16	16	16	16	16	13	13	14	15	15	13	11	10	10	6	3	2	37	122	156	220	231	238	238	238	236	249	254	232	210	212	3079
Adam Pump																																
LOWER UTAH TOTAL	235	241	248	254	249	242	283	309	321	305	263	234	206	192	164	174	717	885	963	1048	1125	1153	1182	1200	1212	1217	1227	1235	1222	1206	1212	20734
ADJUSTED FOR STORAGE	235	241	248	254	249	252	283	309	321	271	239	222	196	192	164	79	270	418	575	765	945	999	1097	1112	1039	1006	1072	1235	1222	1206	1152	17873
COMPACT ALLOCATION	(See Footnote)																															
LOWER WYOMING																																
B.Q. West Slough	52	52	50	52	48	46	48	46	42	48	49	44	38	34	29	24	20	17	14	17	22	25	29	38	44	52	56	56	61	72	79	1309
B.Q. East Side	35	35	36	38	36	35	37	38	38	39	40	38	36	32	28	23	20	17	14	16	19	23	27	32	36	42	47	48	49	55	60	1069
McFarland	7	7	6	6	6	6	6	6	6	6	8	7	5	5	4	2	2	1	0	1	3	4	5	8	10	12	12	12	13	14	14	205
Johnson Pumps	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	31
Pixley	15	12	6	4	4	4	9	27	30	33	34	33	30	27	25	24	22	21	28	30	30	30	30	33	34	36	38	42	38	34	50	801
East ditch ab Pixley	Included with Pixley Canal in 1979																															
LOWER WYOMING TOTAL	110	107	99	101	95	92	101	118	122	127	132	123	111	99	87	74	65	57	57	65	75	83	92	110	125	142	154	159	162	176	194	3415
ADJ. FOR STORAGE																																
COMPACT ALLOCATION																																
Bear River bl Pixley Dam	169	166	144	109	91	85	76	63	69	72	69	66	62	58	54	50	49	24	3	2	2	2	2	2	3	3	4	5	3	4	10	1499
DIVERTIBLE FLOW	60	637	617	568	565	574	602	630	636	602	570	539	524	540	566	471	690	832	986	1210	1421	1533	1749	1900	1875	1883	2002	2218	2202	2106	2019	33868

Table I

Note: During period of Compact Water Emergency, May 1-20, Upper Wyoming diverted less than allocation. Unused allocation available for use in other sections, so all sections diverted less than allocations.

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

JUNE 1979	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
UPPER UTAH															
Hovarka Canal (E. Fk)	18	18	18	18	18	18	17	17	16	14	12	8	8	8	7
Compact Allocation															
UPPER WYOMING															
Hilliard East Fork	0	0	0	0	0	0	0	0	0	0	0	6	27	30	29
Lannon	8	19	21	24	25	26	25	21	17	17	18	20	21	24	23
Hilliard West Side	28	29	29	30	30	30	24	23	22	21	22	22	25	33	33
Bear	75	62	78	92	99	100	98	88	82	79	87	84	75	76	76
Tropic	5	6	7	7	7	7	7	6	6	6	6	6	5	5	5
Danielson	17	14	16	21	22	23	22	17	12	11	12	8	4	2	4
Pine Grove & Crown	26	23	25	29	36	38	38	32	28	23	24	28	31	31	31
McGraw & Big Bend	34	32	33	36	40	42	40	35	30	29	31	23	18	18	18
Homer	3	3	3	4	4	3	3	3	3	3	3	3	2	2	2
Lewis	7	7	8	8	9	9	10	10	11	11	12	12	11	11	10
Lewis and Blanchard	3	3	4	4	4	4	4	4	4	4	4	4	4	3	3
Myers 2	0	0	0	0	0	1	5	9	8	8	8	9	11	11	10
Hare	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Coffman 1 & 2	1	1	1	1	2	2	2	3	1	1	5	7	5	8	7
Snoder	1	1	1	0	1	2	3	3	5	4	5	5	5	5	5
Myers 1	2	4	4	5	8	9	9	7	6	5	6	6	4	4	4
Myers Irrigating	4	4	4	5	11	11	12	10	8	7	7	6	5	10	10
Booth	10	8	8	11	17	23	21	18	17	18	20	22	24	24	23
Anel	1	1	1	1	1	2	4	5	7	8	10	10	8	7	7
Cornelison	7	6	6	6	6	6	5	5	5	5	4	4	3	3	3
Evanston Water Supply	14	14	14	14	20	26	21	14	14	13	13	19	22	22	23
Knight 1 & 2	10	10	13	16	17	17	17	17	16	16	17	15	9	9	9
State Hospital	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Evanston Water	22	22	17	37	29	32	29	32	28	25	27	28	27	21	20
Barton	5	5	5	4	4	4	3	3	3	2	2	2	1	1	1
Faulkner	19	20	20	20	20	19	18	16	15	14	13	11	7	5	5
Rocky Mountain-Blyth	17	17	16	16	16	16	16	15	14	12	12	13	11	10	10
Bennet	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
Bruce-Barton	3	2	2	1	1	2	3	4	5	6	8	6	4	4	4
A.M. Sims	4	4	4	3	3	4	4	4	4	5	5	4	3	3	3
Junction	4	4	4	4	5	5	5	5	5	5	5	4	3	4	4
Fearne	7	6	5	4	3	3	4	6	8	10	12	9	2	4	4
Thomas	2	2	2	3	3	4	4	3	3	3	3	2	2	2	2
Saxton Irrigating	5	2	2	2	0	1	1	1	1	1	12	6	7	15	15
John Sims-So. Pacific	9	8	8	12	15	14	14	12	13	14	13	12	20	13	14
Ramsey	30	26	28	30	31	32	33	26	25	22	25	24	27	28	26
Almy	4	4	4	4	4	4	4	4	4	4	4	4	4	7	2
Sims-Blight-Turner	16	16	16	16	15	15	16	26	17	17	18	18	19	12	5
Bowns-Russell	6	6	6	6	6	6	6	6	5	5	5	5	4	3	3
Turner	7	6	6	5	4	4	4	5	6	6	7	8	9	6	3
Chapman(and Bartlett)	144	144	143	142	142	142	142	133	124	115	115	124	133	134	131
Lower Morris	10	10	5	5	6	2	4	4	6	6	7	6	7	8	7
Bowns & Bruce	11	9	8	11	13	14	15	11	8	5	6	7	10	12	8
Tunnel	33	31	32	34	37	38	39	36	33	29	29	32	35	37	27
Fowkes	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1
Christensen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Upper Island	13	12	8	7	6	5	5	5	5	5	5	5	5	5	5
Blight Irrigation	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Francis-Lee	72	72	70	66	65	60	60	61	60	60	62	64	65	65	64
Bear River	66	68	66	66	70	67	66	66	65	64	62	62	62	61	61
UPPER WYOMING TOTAL	754	749	758	819	858	878	869	811	763	728	773	729	791	799	763
ADJUSTED FOR STORAGE	647	602	655	720	706	784	776	717	671	637	712	696	698	669	669
COMPACT ALLOCATION															
LOWER UTAH															
Neville	6	6	7	7	6	5	5	5	5	5	5	5	5	5	5
Booth	45	45	45	45	45	45	45	46	45	46	56	47	49	50	50
Bees Land & Livestock	105	105	103	103	77	74	74	74	75	73	72	71	71	71	72
Crawford Thompson	256	254	253	250	246	204	187	180	181	178	182	187	185	180	187
Randolph-Woodruff	293	297	301	296	284	225	258	297	298	299	280	277	272	280	283
Sykes	38	38	37	36	36	21	17	14	14	14	14	13	13	12	15
Randolph-Sage Creek	176	176	175	175	177	180	149	123	126	141	142	136	132	129	131
McKinnon	40	39	37	36	35	32	32	31	29	28	27	25	24	25	25
Enberg	36	38	36	36	35	33	28	27	24	22	20	19	16	15	18
B.Q. West Side	218	223	220	220	231	214	229	229	216	214	216	223	228	230	231
Adam Pump															
LOWER UTAH TOTAL	1213	1216	1204	1204	1182	1056	1024	1031	1023	1013	1004	998	995	997	1000
ADJUSTED FOR STORAGE	889	896	738	780	959	1006	1004	940	864	785	736	609	880	983	994
COMPACT ALLOCATION															
LOWER WYOMING															
B.Q. West Slough	86	95	101	101	102	87	76	70	62	53	36	37	43	46	46
B.Q. East Side	70	80	83	86	82	76	78	77	75	54	3	0	0	0	0
McFarland	15	15	16	16	16	14	14	13	11	9	5	5	2	6	6
Johnson Pumps	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Pixley	43	48	62	71	71	71	70	71	68	68	71	66	55	66	73
East Ditch ab Pixley	Included with Pixley Canal in 1979														
LOWER WYOMING TOTAL	216	243	264	276	273	253	240	233	218	186	117	110	107	119	127
ADJ. FOR STORAGE															
COMPACT ALLOCATION															
Bear River bl Pixley Dam	20	50	73	89	102	193	256	249	237	225	245	213	155	53	69
DIVERTIBLE FLOW	1790	1707	1748	1883	2058	2255	2291	2156	2006	1849	1822	1826	1849	1832	1865

JUNE 1979	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
UPPER UTAH																	
Hovarka Canal (E. Fk)	7	7	7	7	7	7	7	7	7	7	7	6	6	3	3	--	311
Compact Allocation													6	3	2		
UPPER WYOMING																	
Hilliard East Fork	26	28	26	19	19	19	19	19	19	19	21	22	22	22	22	--	428
Lannon	21	19	17	15	15	15	15	16	18	17	16	16	16	16	17	--	558
Hilliard West Side	31	31	30	28	27	27	26	26	26	27	28	28	26	27	26	--	815
Bear	73	69	68	63	69	60	61	63	61	60	61	60	59	59	58	--	2187
Tropic	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	--	161
Danielson	4	3	4	3	3	3	4	4	4	4	3	3	3	3	3	--	258
Pine Grove & Crown	23	23	23	20	30	34	35	35	32	35	34	35	37	38	40	--	921
McGraw & Big Bend	17	16	15	13	16	16	19	20	20	17	13	13	9	8	8	--	681
Homer	2	1	1	1	1	1	2	2	2	2	1	1	1	1	2	--	66
Lewis	10	9	9	9	9	10	10	10	11	10	8	9	9	7	8	--	284
Lewis and Blanchard	3	3	3	2	2	2	2	1	1	1	5	9	6	3	4	--	103
Myers 2	9	7	7	5	4	4	4	4	4	4	4	8	10	8	7	--	169
Hare	2	1	1	1	2	2	2	2	2	2	2	2	2	2	1	--	58
Coffman 1 & 2	7	6	5	4	5	7	8	8	7	8	4	4	4	4	2	--	127
Snoder	4	2	1	1	1	0	0	1	1	1	1	1	1	1	1	--	65
Myers 1	3	3	2	2	2	1	1	1	2	2	2	2	3	4	5	--	117
Myers Irrigating	9	8	5	3	2	2	4	6	6	5	5	4	2	2	2	--	179
Booth	21	17	14	14	12	12	12	12	11	15	24	23	22	16	16	--	505
Anel	6	6	5	5	5	5	5	5	5	5	5	4	4	4	3	--	145
Cornelison	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	--	93
Evanston Water Supply	19	4	4	3	6	9	9	9	9	10	12	12	12	11	11	--	402
Knight 1 & 2	8	7	7	6	6	7	8	8	8	8	8	6	6	6	2	--	309
State Hospital	0	0	0	0	0	0	0	2	4	4	4	4	3	2	2	--	25
Evanston Water	20	20	17	20	20	20	17	15	16	18	23	25	25	24	22	--	698
Barton	1	1	1	1	2	3	4	5	6	7	9	3	3	1	0	--	92
Faulkner	5	5	5	5	1	2	2	3	4	4	2	3	3	1	1	--	267
Rocky Mountain-Blyth	10	9	9	8	8	8	8	7	7	10	11	10	7	8	6	--	343
Bennet	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	--	22
Bruce-Barton	3	3	3	1	1	3	3	3	3	3	3	3	3	3	3	--	100
A.M. Sims	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	--	93
Junction	5	5	6	6	5	3	3	2	2	2	2	2	2	2	2	--	115
Fearne	4	5	5	6	4	3	3	3	4	4	4	3	2	2	2	--	143
Thomas	2	3	3	3	3	1	1	1	1	1	1	1	1	1	1	--	64
Saxton Irrigating	15	14	11	9	7	2	2	2	1	1	0	1	2	1	1	--	140
John Sims-So. Pacific	13	12	11	10	9	7	8	9	9	9	12	10	6	6	5	--	327
Ramsey	22	19	17	15	12	12	10	8	8	8	9	13	9	5	5	--	567
Almy	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	--	77
Sims-Blight-Turner	5	5	5	5	4	4	4	4	4	5	5	5	5	5	4	--	301
Bowns-Russell	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	--	110
Turner	3	3	3	2	2	2	4	5	7	8	10	7	6	5	5	--	152
Chapman(and Bartlett)	121	108	96	90	84	75	73	72	70	69	71	67	53	51	49	--	3160
Lower Morris	7	6	5	4	4	3	3	3	3	2	2	2	2	2	2	--	141
Bowns & Bruce	5	4	3	3	2	2	1	1	1	3	8	16	16	10	6	--	229
Tunnel	11	10	10	11	11	9	8	7	7	6	14	22	10	18	26	--	681
Fowkes	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	--	22
Christensen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0
Upper Island	4	4	3	2	2	1	0	0	0	0	0	0	0	0	0	--	112
Blight Irrigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	2
Francis-Lee	65	65	63	60	58	58	56	56	54	56	54	49	46	43	41	--	1790
Bear River	61	61	62	60	61	61	61	61	59	60	52	22	22	23	23	--	1712
UPPER WYOMING TOTAL	702	634	600	554	542	531	528	535	532	541	552	541	493	468	455	--	20,112
ADJUSTED FOR STORAGE	608	550	509	467	456	445	444	451	452	447	547	502	487	458	423	--	17,495
COMPACT ALLOCATION													487	458	423		
LOWER UTAH																	
Neville	4	4	5	5	5	5	5	5	4	5	4	1	1	1	1	--	138
Booth	51	52	57	57	52	51	50	50	48	49	43	18	16	15	15	--	1308
Bees Land & Livestock	72	72	71	71	70	69	68	66	66	64	51	16	15	15	15	--	2041
Crawford Thompson	181	180	177	177	177	173	172	168	165	162	143	57	46	43	44	--	5160
Randolph-Woodruff	284	286	285	287	290	284	283	275	270	236	256	216	98	92	91	--	7690
Sykes	13	12	12	11	12	11	11	11	10	10	10	6	5	5	5	--	478
Randolph-Sage Creek	136	138	134	133	136	136	135	136	140	142	141	134	132	111	103	--	4275
McKinnon	25	25	25	25	26	26	27	27	28	28	28	28	26	25	21	--	856
Enberg	20	22	24	26	26	27	27	22	28	28	28	26	25	21	24	--	779
B.Q. West Side	215	219	220	213	191	224	220	216	216	208	178	148	137	172	229	--	6358
Adam Pump																	
LOWER UTAH TOTAL	1005	1010	1005	1000	985	1006	996	976	976	972	882	550	501	503	548	--	29,083
ADJUSTED FOR STORAGE	991	866	809	779	736	723	687	675	685	702	770	550	501	503	526	--	23,677
COMPACT ALLOCATION													501	503	526		
LOWER WYOMING																	
B.Q. West Slough	46	55	60	59	57	61	59	55	53	53	54	55	49	43	39	--	1845
B.Q. East Side	0	0	11	50	47	47	45	45	45	45	46	46	45	43	42	--	1313
McFarland	6	8	8	7	7	7	6	5	5	5	4	3	2	1	0	--	241
Johnson Pumps	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	--	60
Pixley	73	71	69	62	59	64	68	70	73	73	73	74	40	22	77	--	1940
East Ditch ab Pixley																	
LOWER WYOMING TOTAL	122	136	150	170	172	161	179	178	177	177	179	180	138	111	159	--	5394
ADJ. FOR STORAGE													138	111	159		
COMPACT ALLOCATION																	
Bear River bl Pixley Dam	70	55	49	41	32	9	11	13	14	14	14	13	12	5	5	--	2576
DIVERTIBLE FLOW	1893	1614	1515	1464	1403	1165	1229	1124	1235	1347	1517	1251	1134	1080	1129	--	19457

Note: During period of Compact Water Emergency, June 28-30, Upper Wyoming diverted less than allocation. Unused allocation available for use in other sections, so all sections diverted less than allocations.

Table 2

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

JULY 1979	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 Canal (E. Fk)	2	2	2	2	3	3	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	124
Compact Allocation	2	2	2	2	3	3	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	124
UPPER WYOMING																																
Hilliard East Fork	22	22	22	21	21	21	21	20	20	19	19	19	23	24	24	28	27	27	27	27	28	28	28	26	24	22	21	20	18	9	0	678
Lannon	17	16	16	16	15	14	14	13	12	11	11	14	10	7	7	3	10	11	11	11	11	11	8	3	2	1	1	1	1	1	1	291
Hilliard West Side	26	26	26	25	24	27	27	26	26	25	24	23	24	29	31	30	26	20	19	19	19	19	19	20	19	19	19	18	19	19	1	684
Bear	59	60	56	56	53	47	45	43	26	16	16	15	16	52	53	48	56	59	58	59	58	61	50	9	9	9	9	9	9	8	8	1,130
Cropic	4	4	5	5	4	4	3	3	3	4	4	3	3	4	4	3	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	115
Danielson	3	3	2	4	5	4	4	4	4	4	4	4	4	7	7	6	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	76
Pine Grove & Crown	41	24	22	22	22	24	27	22	20	24	24	24	25	25	25	25	19	19	19	19	19	19	19	21	24	24	23	23	23	23	21	704
McGraw & Big Bend	7	9	11	11	11	10	9	8	8	6	5	5	5	5	5	5	4	3	3	3	3	3	5	11	10	10	10	10	10	7		214
Homer	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	0	1	1	2	1	1	1	1	36
Lewis	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8	6	7	7	8	9	9	9	4	4	4	5	5	5	7	8	239
Lewis and Blanchard	4	5	4	4	4	4	4	4	4	4	4	3	3	3	3	2	2	2	2	2	2	1	2	4	3	2	2	2	3	3	3	90
Myers 2	7	8	7	7	6	4	4	5	5	5	6	8	7	5	6	10	10	10	9	8	6	6	12	13	13	12	11	11	11	10	10	252
Hare	1	1	2	3	3	0	0	3	2	2	2	2	0	1	1	1	1	1	1	1	1	0	1	2	0	3	3	3	2	2	1	42
Coffman 1 & 2	2	1	3	3	2	2	2	2	2	2	2	5	4	5	5	5	4	4	6	5	5	6	6	5	4	4	3	3	2	2	2	108
Feeder	4	3	2	3	2	2	2	2	2	3	3	5	5	5	5	4	3	2	2	2	1	5	4	1	3	2	2	3	3	3	2	101
Myers 1	5	6	6	7	8	8	9	9	9	9	9	9	8	8	8	8	8	7	0	0	1	1	1	6	6	6	6	6	6	6	6	192
Myers Irrigating	2	3	4	5	4	6	8	8	8	8	8	7	7	4	2	4	7	7	6	6	6	6	6	6	4	2	1	1	1	1	1	149
Booth	15	13	14	14	14	15	15	13	11	12	12	6	7	10	17	15	15	16	17	15	11	14	13	12	12	12	11	11	10	9	7	369
Anel	3	2	2	2	1	0	0	2	3	4	4	1	3	3	2	2	2	3	4	4	5	6	6	6	5	5	5	4	4	4	4	103
Cornelison	2	2	2	2	2	2	2	1	3	4	4	1	3	3	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	1	68
Evanston Water Supply	10	10	11	12	11	9	7	6	5	10	8	5	3	9	12	8	7	10	11	11	13	14	14	15	11	10	11	11	10	10	10	304
Knight 1 & 2	6	6	6	5	5	5	5	4	5	6	6	6	6	8	9	8	7	8	8	8	8	8	9	9	8	8	7	7	6	6	6	209
State Hospital	1	1	0	0	0	0	0	0	0	0	0	1	1	2	2	3	3	3	3	3	2	2	2	2	1	1	1	1	0	0	0	35
Evanston Water	20	20	19	20	20	19	18	22	25	22	21	20	19	17	17	17	18	18	17	15	15	15	13	15	15	15	11	11	12	13	12	531
Barton	0	0	3	3	5	4	3	2	2	2	4	0	0	0	0	0	4	7	6	4	3	3	0	0	0	0	0	0	0	0	0	53
Faulkner	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	4	4	5	6	6	2	2	2	2	2	2	2	61
Rocky Mountain-Blyth	7	5	4	2	2	2	6	14	13	13	13	4	4	4	3	3	3	12	22	21	14	6	6	6	6	6	6	6	5	5	5	228
Bennet	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Bruce-Barton	3	3	3	2	2	2	2	2	2	2	3	2	2	3	3	3	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	53
A.M. Sims	2	2	2	2	2	2	2	2	1	1	2	1	1	2	2	2	2	2	2	2	1	1	1	0	0	0	0	0	0	0	0	38
Junction	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	14
Fearne	2	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	9
Thomas	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	31
Saxton Irrigating	1	2	1	1	1	1	1	0	1	1	1	0	0	0	1	2	3	3	3	3	4	4	5	5	6	5	3	2	2	2	4	68
John Sims-So. Pacific	6	12	13	14	12	10	9	9	9	6	4	4	4	4	4	4	4	4	4	4	6	9	9	11	8	6	8	8	8	8	10	232
Ramsey	6	5	3	2	3	3	2	1	1	3	10	9	9	9	9	10	8	7	5	6	6	5	6	9	6	3	3	4	4	5	6	167
Almy	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	35
Sims-Blight-Turner	4	4	4	4	4	4	3	2	2	1	1	2	2	3	4	5	5	6	6	5	5	3	2	1	0	0	0	0	0	0	0	82
Bowns-Russell	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	1	0	1	1	1	0	0	0	0	0	0	0	0	0	29
Tyree	4	3	2	2	1	1	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	22
Chapman (and Bartlett)	48	53	43	41	40	37	35	32	30	27	26	26	26	25	24	24	24	24	24	24	25	30	36	44	46	38	36	34	32	30	30	1,012
Lower Morris	2	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	0	0	0	6
Bowns & Bruce	5	3	2	2	3	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Tunnel	25	26	28	26	26	25	25	16	12	8	3	8	9	9	8	7	7	6	7	7	8	14	24	31	34	28	26	26	9	0	0	491
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
Christensen					0					0					0																	0
Upper Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blight Irrigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Francis-Lee	39	38	37	35	34	26	8	8	8	9	10	12	12	12	12	12	12	12	5	4	8	2	1	0	0	2	1	0	0	0	0	357
Bear River	24	25	26	27	28	14	11	15	16	17	18	19	20	21	21	22	22	23	23	23	20	5	1	1	0	0	0	1	4	4	6	455
UPPER WYOMING TOTAL	455	442	432	432	417	381	353	345	318	302	311	295	295	345	353	351	350	363	355	349	341	330	333	316	292	269	252	248	225	194	170	10,221
ADJUSTED FOR STORAGE	406	391	380	381	362	328	302	289	263	252	255	237	195	203	215	221	202	214	211	213	205	195	211	207	197	176	156	145	124	140	135	7,421
COMPACT ALLOCATION	406	391	380	381	362	328	302	269	263	252	255	237	155	203	215	221	202	214	211	213	205	195	211	207	197	176	156	145	124	140	135	7,411
LOWER UTAH																																
Neville	1	1	1	1	2	3	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	12
Booth	16	15	16	16	9	5	4	4	4	4	5	5	5	5	4	4	4	4	3	3	3	2	0	0	0	0	0	0	0	0	0	140
Rees Land & Livestock	16	16	16	16	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69
Crawford Thompson	46	47	49	51	58	54	28	26	24	22	22	21	20	20	20	20	19	21	26	32	32	28	10	8	3	3	2	4	4	4	3	727
Randolph-Woodruff	91	87	87	89	74	92	44	36	33	30	30	30	30	30	30	30	27	27	29	32	30	26	10	8	6	6	5	4	4	4	4	1,085
Dykens	5	4	4	4	4	4	3	2	2	3	3	1	0	0	2	2	2	0	0	0	1	0	0	1	1	1	1	1	2	2	2	57
Randolph-Sage Creek	102	98	98	98	96	98	98	98	97	96	96	95	95	95	95	95	94	94	95	95	94	95	78	26	26	26	25	26	24	24	23	2,394
McKinn	18	18	15	14	13	4	7	12	12	10	10	11	12	12	13	10	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	222
Enberg	27	19	14	13	13	13	12	10	9	8	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	141
B.Q. West Side	221	164	79	75	73	74	70	67	58	54	53	51	51	47	44	42	44	43	43	42	30	17	17	17	17	17	14	3	4	11	11	1,549
Adam Pump																																
LOWER UTAH TOTAL	538	469	379	377	367	347	267	251	238	227	225	215	214	209	208	203	194	192	198	207	192	170	117	62	55	55	49	39	40	47	45	6,396
ADJUSTED FOR STORAGE	508	427	317	303	291	302	233	213	200	188	186	175	174	169	169	164	154	152	159	168	160	170	117	62	55	55	49	39	40	47	45	5,391
COMPACT ALLOCATION	508	427	317	303	291	302	233	213	200	188	186	175	174	169	169	164	155	152	159	168	160	170	117	62	55	55	49	39	40	42	45	5,491
LOWER WYOMING																																
B.Q. West Slough	38	37	41	43	40	36	27	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	271
B.Q. East Side	43	43	46	46	45	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	234
McFarland	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	0	0	3
Johnson Pumps	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
Pixley	77	77	77	76	77	0	0	0	0	0	0	0	0	0	0	17	35	19	18	22	23	25	27	27	26	25	24	26	27	27	22	769
East ditch ab Pixley	Included with Pixley Canal in 1979																															
LOWER WYOMING TOTAL	161	160	168	169	161	50	30	12	3	3	3	3	3	3	3	20	38	22	21	25	26	28	30	30	29	28	27	29	30	30	25	1,370
ADJ. FOR STORAGE	161	160	168	169	161	50	30	12	3	3	3	3	3	3	3	20	38	22	22	25	26	28	30	30	29	28	27	29	30	30	25	1,370
COMPACT ALLOCATION	161	160	168	169	161	50	30	12	3	3	3	3	3	3	3	20	38	22	21	25	26	28	30	30	29	28	27	29	30	30	25	1,370
Bear River bl Pixley Dam	5	5	5	6	6	7	14	36	45	114	182	138	100	85	73	40	70	70	54	47	49	55	56	56	53	50	39	46	50	60	51	1,697
DIVERTIBLE FLOW	1082	985	872	861	823	690	583	554	515	561	630	556	477	465	565	450	489	565	450	456	445	452	418	359	338	313	285	263	248	281	260	16,093

Table 3

Note: Upper Wyoming diverted less than allocation (49.3% of divertible flow), each day in July. The excess allocation becomes available to other sections; thus, no section exceeded allocation.

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

AUGUST 1979	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 Canal (E. Fk)	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2	0	0	0	0	0	0	0	0	0	0	0	0	74
Compact Allocation	(See Footnote)																															
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	2	2	2	2	2	4	6	6	5	5	5	5	5	5	5	5	4	4	4	3	2	2	2	2	2	2	2	2	2	2	2	103
Hilliard West Side	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	59
Bear	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	10	12	12	12	12	12	11	9	9	9	9	8	261
Tropic	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	2	2	2	2	2	2	67
Danielson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Grove & Crown.	18	16	13	11	10	8	8	8	7	7	7	6	6	6	5	5	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	192
McGraw & Big Bend	6	5	4	4	4	3	6	8	8	7	7	7	7	7	6	6	6	7	7	7	6	6	5	5	5	5	4	5	5	5	5	178
Homer	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Lewis	7	7	6	6	5	5	6	6	6	6	6	6	6	5	5	5	5	5	6	6	6	6	6	5	6	6	6	6	6	6	6	180
Lewis and Blanchard	3	3	3	4	4	4	2	2	2	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	53
Myers 2	9	9	9	9	8	8	8	10	9	9	8	8	8	8	8	7	8	8	8	8	9	8	7	6	5	4	3	2	2	1	0	214
Hare	1	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	0	0	0	0	32
Coffman 1 & 2	2	2	3	3	3	2	2	3	2	2	2	2	2	2	2	2	2	3	2	2	1	1	1	2	1	1	1	1	1	1	1	56
Knoder	2	2	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	36
Myers 1	6	6	3	4	6	7	7	7	4	2	8	8	9	9	1	6	8	8	8	2	0	0	0	0	0	0	0	0	0	0	0	122
Myers Irrigating	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	4	5	5	5	2	0	0	0	0	0	0	0	0	0	0	0	75
Booth	7	8	8	6	5	5	5	9	9	9	8	8	9	9	10	6	6	6	5	6	6	5	4	4	4	4	3	2	2	1	2	178
Anel	4	3	3	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	0	0	0	0	43
Cornelison	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	0	7
Evanston Water Supply	7	8	8	6	5	5	5	9	9	9	8	8	9	9	10	11	11	13	13	8	4	4	3	4	3	3	2	2	2	2	3	199
Knight 1 & 2	5	5	5	5	5	5	6	6	6	6	6	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	7	7	7	7	7	208
State Hospital	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Evanston Water	11	10	10	12	12	10	10	11	13	14	14	14	14	15	14	11	11	10	11	10	10	9	9	9	8	8	7	7	6	6	5	321
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	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	6
Rocky Mountain-Blyth	5	5	5	5	5	5	6	7	7	7	7	7	6	6	6	4	4	4	4	3	3	3	3	4	2	2	2	2	1	2	4	136
Bennet	0	0	0	0	0	0	0	0	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.M. 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thomas	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	2	2	2	2		40
Saxton Irrigating	6	7	7	6	4	4	2	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
John Sims-So. Pacific	8	7	6	7	8	9	9	11	13	12	7	6	8	9	9	9	6	5	7	8	7	6	6	6	5	4	4	5	6	6	5	225
Ramsey	11	15	13	13	10	3	1	2	2	4	5	4	4	5	7	6	4	4	5	6	5	3	4	4	3	2	3	3	3	2	3	167
Almy	1	3	3	3	3	3	3	1	0	0	1	2	2	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Sims-Blight-Turner	0	0	0	0	0	0	0	0	2	4	5	7	8	5	5	5	4	4	4	3	3	3	2	2	1	1	0	0	0	0	0	68
Bowns-Russell	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	0	0	0	0	2
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 (and Bartlett)	28	26	25	23	23	21	21	21	21	22	22	22	22	22	24	26	26	28	28	30	31	32	29	26	25	25	24	24	23	22	22	764
Lower Morris	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2		37
Bowns & 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	6	21	16	23	21	20	18	15	13	13	12	11	10	5	204
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
Christensen																																0
Upper Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Blight Irrigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	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
UPPER WYOMING TOTAL	171	173	167	164	149	130	132	153	147	149	143	145	151	151	151	145	142	152	171	156	154	146	135	132	120	114	105	102	99	95	84	4,323
ADJUSTED FOR STORAGE	138	140	127	128	113	95	96	118	112	114	108	110	118	118	118	117	113	129	149	136	144	136	125	122	110	104	95	92	91	87	76	3,573
COMPACT ALLOCATION	(See Footnote)																		140	132	134	129	122	120								
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
Tooth	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bens 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	4	8	5	4	4	4	12	20	20	30	24	20	26	22	19	19	19	18	17	16	15	14	13	12	11	10	10	10	10	10	10	436
Randolph-Woodruff	3	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	0	0	0	0	10
Dykens	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	3	3	2	2	3	2	1	1	2	2	2	2	2	64
Randolph-Sage Creek	64	67	67	66	65	64	63	62	62	61	61	60	59	58	57	56	55	55	55	54	53	51	50	49	47	45	45	44	42	40	40	1,717
McMinn	2	2	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	45
Enberg	0	0	0	0	0	0	0	0	0	0	0	0	5	6	6	7	8	8	8	8	8	10	12	13	14	14	12	10	9	9	9	175
B.Q. West Side	11	11	10	11	8	3	3	2	2	2	2	3	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	2	6	6	86
Adam Pump																																
LOWER UTAH TOTAL	86	92	88	87	81	75	82	88	88	77	91	86	94	93	87	82	86	85	85	83	79	78	78	77	74	71	70	67	66	68	68	2,535
ADJUSTED FOR STORAGE																																
COMPACT ALLOCATION	(See Footnote)																															
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
Johnson Pumps	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
Pixley	18	19	18	18	18	18	18	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	136
East ditch ab Pixley	Included with Pixley Canal in 1979																															
LOWER WYOMING TOTAL	20	21	20	20	20	20	20	11	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	198
ADJ. FOR STORAGE																																
COMPACT ALLOCATION	(See Footnote)																															
Bear River bl Pixley Dam	36	32	35	31	24	27	38	51	57	83	46	50	59	52	47	43	48	45	46	47	47	46	43	43	48	48	37	47	46	40	33	1,382
DIVERTIBLE FLOW	284	289	274	270	242	220	240	274	263	299	251	257	277	267	258	249	249	265	284	268	272	262	248	244	234	225	214	208	205	197	179	7,762

Note: Basic allocation to Upper Wyoming (49.3% of Divertible Flow) was exceeded August 19-24 at which time unused allocation to Lower Wyoming was applied to offset the excess diversion.

Table 4

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

[illegible] 1979	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																																
[illegible] Canal (K. Pk)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Compact Allocation	(See Footnote)																															
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
Lannon	5	5	5	6	10	9	9	10	10	12	12	5	6	6	6	6	6	6	5	0	0	0	0	0	0	0	0	0	0	0	--	136
Hilliard West Side	2	2	2	2	2	3	2	2	3	2	2	2	2	3	4	4	4	4	3	2	2	2	3	3	2	3	2	3	3	2	--	80
Bear	10	6	6	6	6	6	6	5	5	4	4	4	4	4	4	15	14	14	12	7	7	7	7	7	7	7	6	6	6	6	--	211
Tipple	1	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	--	19
Danielson	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	--	17
Pine Grove & Crook	4	3	3	3	4	4	4	4	4	3	3	3	5	5	4	4	3	3	3	4	4	5	5	5	5	5	4	5	5	3	--	112
McGraw & Big Bend	4	4	4	4	4	4	4	4	3	2	2	2	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	0	1	--	64
Brewer	0	0	0	0	0	0	0	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	4	5	5	2	4	4	4	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	0	--	59
Lewis and Blanchard	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	0	0	0	0	--	2
Myers 2	0	0	0	0	0	0	0	0	0	0	4	4	4	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	19
Hary	0	0	0	0	0	0	0	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	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	0	0	--	12
Rhodes	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	0	0	0	0	--	30
Myers 1	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0
Myers Irrigating	0	0	0	0	0	0	0	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	2	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	3	3	0	2	3	2	0	--	24
Ancl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0
Cornelison	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0
Evanston Water Supply	1	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	--	18
Knight 1 & 2	7	6	6	6	6	6	5	5	5	4	4	4	4	4	4	4	3	3	3	3	3	3	3	2	2	2	2	2	2	2	--	114
State Hospital	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0
Evanston Water	6	7	6	6	6	6	5	5	5	5	5	4	5	5	5	5	5	4	4	4	4	4	4	4	4	4	2	2	2	2	--	135
Barton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0
Faulkner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0
Rocky Mountain-Blyth	4	4	4	4	4	4	4	4	3	3	2	2	2	3	3	3	3	3	3	3	2	3	3	4	3	2	2	2	2	2	--	88
Bennet	0	0	0	0	0	0	0	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	3	3	4	4	5	5	6	6	6	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	63
A.W. Sims	1	1	1	1	1	1	2	2	2	2	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	26
Johnston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0
Pearne	0	0	0	0	0	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	--	6
Thomas	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	--	34
Saxton Irrigating	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0
John Sims-So. Pacific	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	4	4	4	--	95
Ramsey	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	2	1	--	18
Almy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0
Sims-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
Downs-Russell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0
Turner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0
Chapman (and Bartlett)	5	9	7	7	7	6	6	6	6	5	6	5	5	5	5	5	5	5	8	8	7	7	7	7	6	6	6	6	6	6	--	182
Lower Morris	2	7	7	2	2	2	0	0	1	2	0	0	1	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	--	24
Downs & 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	3	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	11
Crocker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0
Christensen																																0
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	0	0	0	0	0	0	0	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 WYOMING TOTAL	73	73	64	66	67	66	64	63	64	59	61	61	62	63	56	63	59	56	51	41	39	42	44	42	38	34	33	35	34	30	--	1,606
ADJUSTED FOR STORAGE	64	61	52	54	55	54	53	52	53	48	52	49	44	45	39	51	47	44	40	32	30	34	35	34	30	27	26	28	27	26	--	1,286
COMPACT ALLOCATION	(See Footnote)																															
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0
Bees Land & Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0
Crawford Thompson	10	9	6	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	30
Randolph-Woodruff	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0
Sykes	2	2	2	2	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	16
Randolph-Sage Creek	39	38	36	35	33	32	31	31	30	29	29	29	29	28	28	27	27	26	26	25	25	24	24	24	23	23	23	22	22	22	--	840
McMinn	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	--	32
Enberg	11	14	18	21	15	7	7	8	8	7	7	7	7	8	8	9	9	4	2	0	0	0	0	0	0	0	0	0	0	0	--	175
B.Q. West Side	5	9	4	4	2	3	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	--	50
Adam Pump																																
LOWER UTAH TOTAL	68	68	67	67	56	45	44	44	41	39	39	39	39	39	39	37	37	32	30	27	27	25	25	25	24	24	24	23	23	23	--	1,142
ADJUSTED FOR STORAGE	(No Storage Diverted)																															
COMPACT ALLOCATION	(See Footnote)																															
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
Johnson Pumps	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	--	60
Pixley	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	9	10	10	--	49
Cent ditch ab Pixley	Included with Pixley Canal in 1979																															
LOWER WYOMING TOTAL	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	12	12	11	12	12	--	109
ADJ. FOR STORAGE																																
COMPACT ALLOCATION	(See Footnote)																															
Bear River bl Pixley Dam	28	25	25	26	24	24	24	22	22	23	22	22	22	21	22	21	22	25	25	24	42	34	31	31	28	2	5	25	20	23	--	698
DIVERTIBLE FLOW	162	156	146	147	137	125	123	120	120	112	115	112	107	107	102	111	108	103	97	85	101	95	93	92	84	65	67	77	82	84	--	3,235

Note: All Sections diverting less than allocation during month

Table 5

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

May 1980	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
UPPER UTAH															
Woracka Canal (E. Fk)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Compact Allocation	(See Footnote)														
UPPER WYOMING															
Hilliard East Fork	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Lennon	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Hilliard West Side	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Dear	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2
Tropic	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
Danielson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Grove & Crown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
McGraw & Big Bend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Homer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lewis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Lewis and Blanchard	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Myers 2	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
Coffman 1 & 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kinder	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1
Myers 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Myers Irrigating	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
Reel	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cornelison	0	0	0	0	0	1	1	2	2	3	3	4	4	5	5
Evanston Water Supply	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Knight 1 & 2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
State Hospital	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
Evanston Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Barton	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2
Faulkner	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
Rocky Mountain-Blyth	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Bennet	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
A.M. Sims	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
Pearne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thomas	7	7	7	7	7	7	6	6	6	6	6	6	5	5	5
Saxton Irrigating	4	4	4	3	0	0	0	0	1	3	1	0	0	0	0
John Sims-So. Pacific	6	6	5	4	4	4	4	4	4	4	4	3	3	3	3
Ramsey	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Almy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sims-Blight-Turner	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
Turner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chapman (and Bartlett)	35	35	35	35	35	35	35	35	35	34	58	81	81	81	76
Lower Morris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bowns & Bruce	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
Towkes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Christensen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Upper Island	20	20	20	20	20	19	19	19	18	18	18	18	17	17	17
Blight Irrigation	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
Bear River	1	1	1	1	1	1	1	1	1	1	1	22	24	25	24
UPPER WYOMING TOTAL	101	102	100	98	93	94	95	95	95	98	129	165	164	169	161
ADJUSTED FOR STORAGE	No Adjustment for Storage in May														
COMPACT ALLOCATION	(See Footnote)														
LOWER UTAH															
Neville	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Booth	95	97	97	92	85	83	82	75	78	78	78	69	43	35	32
Rees Land & Livestock	0	0	0	0	0	0	0	0	0	0	0	24	65	64	63
Crawford Thompson	63	62	60	58	59	56	53	51	53	54	53	81	142	196	195
Randolph-Woodruff	95	98	102	101	103	103	104	109	115	118	116	114	106	109	123
Dykens	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
Randolph-Sage Creek	160	160	165	165	162	160	165	165	170	175	173	171	168	161	160
McMinn	1	1	1	1	1	1	1	1	1	40	83	83	68	47	41
Enberg	8	9	9	9	9	9	9	9	9	8	6	7	7	6	6
B.Q. West Side	27	28	28	28	28	28	28	29	30	32	21	25	25	23	18
Adam Pump	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOWER UTAH TOTAL	487	493	495	490	485	476	480	477	494	529	556	612	662	665	677
ADJUSTED FOR STORAGE	No Adjustment for Storage in May														
COMPACT ALLOCATION	(See Footnote)														
LOWER WYOMING															
B.Q. West Slough	0	0	0	0	0	0	0	0	0	0	0	0	3	2	2
B.Q. East Side	23	28	36	36	36	35	36	36	37	38	39	39	38	38	37
McFarland	3	4	4	4	4	4	4	4	4	5	5	4	4	4	3
Johnson Pumps	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pixley	40	40	40	39	38	36	36	37	39	38	40	40	32	40	39
East ditch ab Pixley	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0
LOWER WYOMING TOTAL	62	72	80	79	78	75	76	77	79	81	84	82	82	84	81
ADJ. FOR STORAGE	No Adjustment for Storage in May														
COMPACT ALLOCATION	(See Footnote)														
Bear River bl Pixley Dam	1320	1320	1320	1310	1310	1300	1300	1300	1310	1310	1320	1320	1320	1350	1370
DIVERTIBLE FLOW	1974	1986	1995	1977	1968	1940	1950	1949	1978	2028	2089	2180	2230	2265	2289

May 1980	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
UPPER UTAH																	
Woracka Canal (E. Fk)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Compact Allocation																	
UPPER WYOMING																	
Hilliard East Fork	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	31
Lennon	14	13	13	14	14	13	12	13	13	12	11	12	11	12	10	10	393
Hilliard West Side	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	27
Dear	2	2	2	2	2	2	2	1	3	2	3	3	3	4	4	6	84
Tropic	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	[illegible]
Danielson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine Grove & Crown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
McGraw & Big Bend	0	0	0	0	0	0	0	0	1	3	2	6	19	29	27	17	124
Homer	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Lewis	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	19
Lewis and Blanchard	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	31
Myers 2	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
Coffman 1 & 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kinder	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	10
Myers 1	1	1	1	1	1	12	20	24	23	21	19	15	8	7	6	6	189
Myers Irrigating	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Booth	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	4	11
Reel	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	27
Cornelison	6	6	7	7	8	8	9	9	7	6	4	2	0	0	0	0	109
Evanston Water Supply	1	1	1	1	1	1	2	2	2	2	1	4	9	9	9	10	87
Knight 1 & 2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	31
State Hospital	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	16
Evanston Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Barton	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2	45
Faulkner	3	3	3	3	3	4	4	3	3	3	2	2	2	4	6	8	77
Rocky Mountain-Blyth	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	31
Bennet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bruce-Barton	0	0	1	1	2	3	3	4	4	5	6	6	7	8	7	6	63
A.M. Sims	0	0	0	1	1	1	1	1	1	1	2	2	3	3	3	4	26
Junction	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	9
Pearne	0	0	1	3	4	5	7	8	9	11	12	12	12	12	11	11	118
Thomas	6	5	5	6	7	7	8	8	9	10	10	11	11	12	11	10	229
Saxton Irrigating	0	0	1	0	2	13	13	13	13	13	13	12	10	4	9	9	150
John Sims-So. Pacific	3	3	2	2	3	3	3	2	2	2	2	1	1	1	9	12	116
Ramsey	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Almy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sims-Blight-Turner	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
Turner	1	1	1	2	2	3	3	4	4	5	5	6	5	6	7	8	63
Chapman (and Bartlett)	77	79	82	80	67	85	87	95	103	92	86	83	83	85	82	87	2,074
Lower Morris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bowns & Bruce	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	9	26	36	37	108
Towkes	0	0	1	2	3	4	5	6	7	7	8	9	10	11	12	10	95
Christensen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Upper Island	17	16	16	16	16	15	15	15	15	14	14	14	14	13	13	13	516
Blight Irrigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Francis-Lee	0	0	0	1	3	12	38	39	38	38	49	49	50	49	49	49	457
Bear River	24	24	24	24	24	25	25	25	25	25	25	35	65	65	65	65	665
UPPER WYOMING TOTAL	162	166	174	179	172	234	267	282	294	281	276	292	338	372	384	400	6,026
ADJUSTED FOR STORAGE																	
COMPACT ALLOCATION																	
LOWER UTAH																	
Neville	5	4	4	4	4	4	4	4	4	3	2	4	4	4	4	4	64
Booth	31	8	6	4	3	3	3	3	3	3	3	3	3	3	3	3	1,189
Rees Land & Livestock	61	57	57	53	46	49	58	60	60	62	62	62	60	60	60	60	1,143
Crawford Thompson	181	163	159	154	142	155	176	176	147	122	121	120	116	138	153	152	3,606
Randolph-Woodruff	182	180	181	170	138	184	225	316	340	343	330	308	295	311	302	312	5,727
Dykens	38	37	37	36	33	33	29	29	31	31	31	31	29	28	28	31	1,078
Randolph-Sage Creek	158	152	148	144	133	127	115	117	124	130	129	127	125	122	126	128	4,588
McMinn	40	23	4	3	2	2	2	2	2	2	2	2	17	48	46	44	605
Enberg	6	6	7	10	9	8	8	7	8	9	9	8	6	1	0	0	222
B.Q. West Side	103	105	125	124	122	166	139	124	129	126	168	157	156	138	136	135	2,902
Adam Pump	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOWER UTAH TOTAL	799	826	798	772	701	729	808	838	848	883	858	822	811	853	863	869	21,174
ADJUSTED FOR STORAGE																	
COMPACT ALLOCATION																	
LOWER WYOMING																	
B.Q. West Slough	3	4	4	5	2	1	0	0	0	0	0	0	0	0	0	1	24
B.Q. East Side	35	35	34	33	33	30	35	40	44	44	46	46	46	46	45	43	1,169
McFarland	3	3	3	2	1	0	0	2	4	4	4	4	4	3	1	0	95
Johnson Pumps	0	0	0	0	0	0	0	0	0	0	0	0	2	4	4	5	15
Pixley	40	44	44	45	40	32	25	17	14	14	14	14	32	72	76	71	1,174
East ditch ab Pixley	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	3	11
LOWER WYOMING TOTAL	82	86	85	84	76	63	61	59	62	67	64	66	86	128	129	122	3,690
ADJ. FOR STORAGE																	
COMPACT ALLOCATION																	
Bear River bl Pixley Dam	1370	1370	1370	1370	1340	1340	1030	853	793	793	798	806	713	634	625	599	35,584
DIVERTIBLE FLOW	2418	2448	2425	2405	2287	2260	2166	2032	1997	2107	1996	1987	1948	1987	2001	1990	65,174

Note: "Water Emergency" not in effect in May; divertible flow in excess of 1250 cfs

Table 6

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

JUNE 1980	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
UPPER UTAH																																
Hovarka Canal (E. Fk)	0	0	0	0	10	20	20	20	20	19	18	17	16	15	14	13	12	11	10	9	9	8	8	8	7	7	7	6	7	7		318
Compact Allocation	(See footnote)																															
UPPER WYOMING																																
Hilliard East Fork	1	1	0	0	0	0	1	3	3	2	2	2	2	3	5	8	2	14	17	16	9	9	10	9	13	21	29	33	33	29		276
Lannon	10	10	10	10	10	9	14	24	25	17	20	20	19	17	26	24	22	26	27	26	25	25	24	23	23	22	20	21	21	20		592
Hilliard West Side	0	0	0	0	0	0	0	5	13	14	13	16	26	26	29	24	36	30	32	32	29	27	26	26	24	22	21	13	21	29		534
Bear	8	17	17	19	33	29	30	40	44	50	54	55	63	59	54	55	62	64	70	75	73	79	78	74	71	70	68	58	56	76		1,584
Tropic	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	2	6	6	6	6	5	5	5	4	4	4		59
Danielson	0	0	0	0	0	1	1	1	2	23	28	30	32	30	29	26	27	29	29	30	28	27	21	13	13	13	12	10	9	9		463
Pine Grove & Crown	0	0	0	0	0	0	0	7	30	44	63	60	58	54	50	43	42	50	50	53	50	47	43	44	44	45	46	46	47	43		1,068
McGraw & Big Bend	28	27	29	31	33	36	28	20	23	26	29	28	24	24	21	22	33	34	34	37	37	36	34	29	29	28	27	26	25	22		860
Homer	0	0	0	0	0	3	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4		114
Lewis	0	0	1	1	1	1	1	1	1	1	2	3	4	5	5	6	6	6	6	6	6	6	5	6	7	7	8	8	9	9		129
Lewis and Blanchard	1	1	1	1	1	1	1	1	1	2	3	3	4	5	5	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5		116
Myers 2	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	0	0	0	0	1		13
Hare	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8	8	8	8	0	3	12	10	10	11		84
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	2	5	5	4	6	6	6	5		39
Hooder	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	2	6	5	8	6	5	5	4	4	4	4	4		77
Myers 1	7	6	6	6	6	5	5	4	4	4	3	3	2	2	2	2	3	3	4	4	5	6	7	7	6	5	4	4	7	9		143
Myers Irrigating	0	0	0	0	0	0	0	1	10	11	12	12	11	10	10	9	11	11	12	14	13	11	10	9	8	8	8	6	7	8		222
Booth	5	5	5	6	6	7	6	16	22	15	14	16	17	21	21	19	20	20	22	22	22	21	21	21	21	21	18	16	16	16		477
Anel	0	0	4	7	10	13	16	19	22	25	24	22	21	20	19	17	16	16	16	15	15	15	15	22	22	12	22	12	12	12		432
Cornelison	0	0	1	2	2	3	4	4	5	6	5	4	4	3	2	1	1	2	3	4	5	7	8	9	8	8	8	7	7	6		129
Evanston Water Supply	10	10	10	10	10	10	10	10	15	16	15	16	14	10	12	12	12	13	14	14	14	13	14	14	14	14	14	14	14	14		382
Knight 1 & 2	1	1	1	1	1	1	1	1	1	2	7	6	6	6	6	5	5	8	12	11	11	11	11	20	10	9	9	9	10	10		183
State Hospital	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1	3	1	1	1	1	1	1	1	1	1	0	0	0		16
Evanston Water	0	0	0	0	0	0	0	0	3	12	15	14	12	11	12	17	15	18	18	17	18	17	15	15	15	17	19	21	22	22		349
Barton	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	4	4	4	5	5	6	6	7		88
Faulkner	10	12	13	14	15	16	17	18	19	20	19	18	17	17	16	15	14	14	13	13	13	12	12	9	6	7	8	8	9	10		404
Rocky Mountain-Blyth	1	1	1	2	2	4	4	6	6	8	10	11	13	14	16	18	20	20	20	22	20	19	18	17	17	12	12	12	12	12		349
Bonnet	6	5	5	4	4	3	2	2	1	1	0	0	0	0	1	1	1	2	1	2	1	2	1	2	2	2	2	2	2	2		39
Bruce-Barton	5	5	5	4	4	4	3	3	2	2	2	2	3	3	4	3	2	2	3	3	4	4	4	5	5	5	5	5	5	5		92
A.H. Sims	1	1	1	2	3	4	5	7	8	9	10	10	10	9	8	4	5	5	5	5	5	5	5	5	5	5	4	4	3	3		119
Junction	11	11	11	11	10	10	9	9	8	8	8	8	9	9	10	8	7	7	7	6	6	6	6	6	5	5	6	7	7	8		185
Fearne	9	8	7	6	6	5	4	4	3	2	2	2	3	4	4	10	11	11	12	12	12	12	12	12	12	12	12	11	11	10		315
Thomas	9	8	7	6	6	5	5	4	4	3	2	2	3	4	4	5	5	6	7	7	7	6	5	4	3	2	2	3	3	3		137
Saxton Irrigating	9	9	10	10	9	8	8	7	7	10	10	10	10	9	8	8	9	8	5	8	9	10	10	10	9	8	10	10	9	9		266
John Sims-So. Pacific	16	16	16	16	17	21	21	24	31	35	33	26	16	21	26	29	28	28	27	27	27	26	26	26	26	24	20	33	29	25		744
Ramsey	0	0	0	0	20	12	32	32	33	34	34	34	33	32	37	26	28	28	28	28	29	28	27	26	26	25	23	17	11	14		691
Almy	0	0	0	0	1	1	2	2	3	4	4	4	4	3	3	3	3	3	2	2	2	3	3	4	4	5	3	4	4	4		80
Sims-Blight-Turner	0	0	0	0	2	4	6	8	9	11	13	15	14	13	13	12	12	11	11	10	9	8	8	7	6	5	7	9	10	12		245
Bowns-Russell	8	8	9	9	9	10	10	10	11	11	12	12	12	12	11	11	11	11	10	10	10	9	9	9	8	8	8	8	8	8		292
Turner	2	3	3	4	4	4	4	4	4	4	4	4	5	6	7	8	9	9	9	9	9	8	7	7	6	6	5	5	4	3		166
Chapman (and Bartlett)	82	83	83	86	90	91	96	124	128	150	168	148	128	124	121	115	113	115	116	125	131	127	127	126	126	127	123	123	108	109		3,517
Lower Morris	0	0	0	0	1	3	4	5	6	8	9	10	10	9	9	8	8	7	7	7	4	6	6	6	5	5	5	5	4	4		163
Bowns & Bruce	0	0	0	0	4	6	8	11	13	20	21	25	24	21	20	17	16	16	17	19	18	18	18	16	16	10	9	7	6	7		387
Tunnel	39	29	7	7	16	35	34	33	34	36	37	38	36	33	32	33	33	36	36	36	35	33	31	29	28	26	25	23	22	23		893
Fowkes	9	8	6	5	5	5	6	6	6	7	7	7	2	6	5	5	5	4	4	3	3	2	2	1	1	0	0	0	0	1		127
Christensen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Upper Island	14	14	15	15	15	16	16	17	17	17	18	18	18	17	17	16	16	15	15	14	13	12	10	9	8	7	6	6	6	6		403
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	49	49	48	47	50	58	60	60	62	65	63	60	60	62	64	63	62	46	59	58	59	59	59	58	50	43	40	39	38	44		1,634
Bear River	54	56	64	62	64	67	64	66	69	75	76	76	75	76	77	72	76	76	76	71	65	66	62	69	69	68	68	62	62	62		1,977
UPPER WYOMING TOTAL	408	406	391	396	455	506	542	624	716	810	878	858	838	817	823	797	830	842	877	905	888	874	854	825	792	769	717	746	726	762		23,733
ADJUSTED FOR STORAGE	326	406	391	396	455	506	542	607	666	710	878	858	838	773	716	691	726	753	776	810	872	793	762	732	707	691	703	679	660	693		20,124
COMPACT ALLOCATION	(See Footnote)																															
LOWER UTAH																																
Neville	4	4	4	3	3	3	4	3	4	4	4	4	4	4	4	4	4	4	4	3	3	2	2	3	3	2	2	2	3	2		99
Booth	3	3	3	3	3	3	3	3	4	15	14	14	13	12	10	10	9	9	7	5	3	3	3	3	3	3	2	2	2	2		172
Rees Land & Livestock	61	63	62	61	61	63	67	67	70	80	78	79	79	77	77	78	77	77	76	71	62	63	63	65	67	68	68	73	73	73		2,092
Crawford Thompson	155	135	96	79	69	68	71	71	122	172	169	168	167	166	164	163	163	162	160	155	150	138	135	140	149	150	163	163	165	165		4,184
Randolph-Woodruff	320	348	364	358	336	320	312	321	315	347	346	343	339	317	308	292	297	275	267	254	230	250	245	243	242	233	232	238	251	256		8,813
Sykes	29	31	32	32	31	31	32	31	30	34	36	26	11	10	10	10	10	11	11	11	9	9	9	10	10	10	11	10	11	11		559
Randolph-Sage Creek	132	141	152	151	144	142	142	143	143	148	157	158	158	159	158	158	159	158	153	150	133	118	113	110	108	105	102	106	117	118		4,132
McKinon	46	49	60	38	10	8	6	6	6	7	7	8	10	10	11	12	22	43	49	46	42	33	29	25	24	19	7	5	4	3		646
Enberg	0	0	1	1	0	0	0	0	0	0	0	0	2	25	27	27	26	26	25	23	22	18	14	11	13	20	20	22	25	27		375
B.Q. West Side	138	148	174	179	160	115	115	135	197	200	220	236	250	241	247	203	180	173	166	161	152	143	135	130	157	227	265	266	268	235		5,587
Adah Pump	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		47
LOWER UTAH TOTAL	887	923	954	893	798	754	773	782	922	1008	1032	1033	1021	1023	1018	957	949	940	918	881	803	779	751	743	778	839	874	889	921	895		26,718
ADJUSTED FOR STORAGE	887	923	954	992	798	756	773	782	902	1008	1032	1033	1021	1023	939	692	601	612	659	829	803	779	704	646	675	720	701	691	690	684		24,208
COMPACT ALLOCATION	(See Footnote)																															
LOWER WYOMING																																
B.Q. West Slough	3	3	8	10	21	56	54	51	51	51	50	50	50	50	51	52	52	51	51	50	46	27	21	23	32	17	20	41	53	53		1,152
B.Q. East Side	44	48	54	60	60	59	58	55	54	54	53	52	53	53	53	54	54	54	54	54	54	54	40	41	42	40	47	52	49	49		1,548
McFarland	0	2	5	6	7	6	5	4	5	4	4	3	3	3	4	4	4	3	3	2	2	1	0	0	0	0	0	1	1	1		83
Johnson Pumps	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	6	5	4	4	4	5	4	4	4	4		120
Pixley	73	73	78	87	93	89	80	74	73	73	69	66	65	64	63	64	63	60	58	56	61	64	56	51	47	82	80	73	74	69		2,074
East ditch ab Pixley	3	4	5	5	5	5	4	3	3	2	2	2	2	2	1	2	1	0	0	0	0	0	0	0	5	10	16	10	15	15		115
LOWER WYOMING TOTAL	125	134	154	172	188	219	205	191	190	186	182	177	177	176	176	179	178	172	170	166	167	150	121	119	130	153	161	181	194	189		5,082
ADJ. FOR STORAGE	125	134	154	172	188	219	205	191	190	186	182	177	177	176	176	179	178	172	170	166	167	150	121	119	113	120	165	100	95	90		4,689
COMPACT ALLOCATION	(See Footnote)																															
Bear River bl Pixley Dam	588	630	696	747	785	796	801	720	720	770	757	742	737	737	735	742	747	735	720	711	672	675	651	588	455	342	329	263	283	238		19,234
DIVERTIBLE FLOW	1962	2093	2195	2208	2236	2297	2341	2370	2526	2693	2867	2827	2789	2728	2580	2317	2264	2283	2335	2525	2523	2405	2246	2053	1959	1670	1645	1759	1725	1712		68,583

Note: "Water Emergency" not in effect; divertible flow in excess of 1250 cfs

Table 7

39

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

JULY 1986	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
UPPER UTAH															
Hovarka Canal (E. Fk)	8	9	10	11	12	16	16	14	12	10	8	6	5	5	7
Compact Allocation	(See Note)														
UPPER WYOMING															
Hilliard East Fork	38	31	29	27	30	34	29	24	24	24	24	24	24	25	24
Lannon	19	19	19	18	18	17	18	18	17	17	17	16	19	14	13
Hilliard West Side	46	44	44	42	38	36	33	30	29	28	27	25	21	20	15
Bear	78	75	74	68	61	59	57	59	55	53	52	45	40	38	34
Tropic	6	6	6	6	5	5	5	5	5	5	4	4	4	4	4
Danielson	8	7	4	4	7	12	10	8	4	3	3	5	6	5	5
Pine Grove & Crow	43	39	32	30	29	28	28	34	40	52	30	25	27	25	25
McGraw & Big Bend	19	19	19	18	27	19	20	19	17	17	16	13	17	13	15
Homer	4	4	3	3	3	3	3	2	2	2	2	1	1	1	1
Lewis	9	8	7	7	6	6	5	5	5	6	6	6	6	6	7
Lewis and Blanchard	5	6	3	3	3	3	3	3	3	3	3	3	3	3	3
Myers 2	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0
More	6	6	5	2	2	1	1	4	4	3	3	3	3	2	2
Coffman 1 & 2	3	3	3	3	3	3	3	4	4	4	4	3	3	3	3
Knoder	4	4	4	4	3	3	2	3	3	2	2	2	1	1	1
Myers 1	7	12	8	5	5	8	9	8	8	9	7	6	6	6	5
Myers Irrigating	7	7	7	3	0	0	0	0	1	8	7	7	6	6	4
Booth	16	17	15	15	11	9	7	8	8	9	8	7	6	5	6
Anel	12	11	11	10	9	8	8	7	6	6	5	5	4	4	3
Cornelison	5	5	4	4	4	3	3	3	3	2	2	2	2	1	1
Evanston Water Supply	12	12	11	10	10	10	12	10	10	11	12	13	13	14	10
Knight 1 & 2	6	8	8	8	8	7	7	7	8	9	9	9	9	9	8
State Hospital	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Evanston Water	25	27	27	25	25	24	24	24	24	22	22	21	21	21	21
Barton	5	5	2	2	2	2	1	1	1	1	1	0	0	0	0
Faulkner	8	6	6	6	7	7	7	7	7	6	5	3	4	4	2
Rocky Mountain-Blyth	36	23	15	15	12	12	11	10	8	4	4	2	1	1	0
Bennet	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2
Bruce-Barton	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4
A.M. Sims	2	3	2	2	3	3	3	4	4	4	4	4	3	3	3
Junction	8	9	8	8	7	7	7	6	6	5	5	4	4	4	3
Pearce	10	9	9	8	7	7	6	5	5	4	4	4	4	4	4
Thomas	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4
Saxton Irrigating	9	11	11	11	10	9	9	9	8	8	8	8	8	6	5
John Sims-So. Pacific	25	26	25	26	13	6	6	6	5	3	3	3	3	3	5
Ramsey	17	11	4	4	3	3	5	31	28	25	25	23	19	18	15
Almy	4	4	4	4	3	3	3	3	2	2	2	2	2	2	2
Sims-Blight-Turner	14	16	15	13	12	10	9	7	6	4	4	3	2	2	1
Bowns-Russell	8	8	7	7	6	6	5	5	5	4	4	3	2	2	1
Turner	3	3	3	2	2	2	3	3	1	4	3	3	2	2	1
Chapman(and Bartlett)	111	124	123	120	112	98	90	87	86	78	73	70	66	61	55
Lower Morris	4	3	3	3	3	3	3	3	3	3	2	2	2	2	2
Bowns & Bruce	9	10	12	11	10	7	5	6	6	5	4	3	3	2	1
Tunnel	23	27	24	22	21	16	13	13	9	1	0	0	0	0	0
Fowkes	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Christensen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Upper Island	6	6	6	5	4	3	3	2	1	0	0	0	0	0	0
Blight Irrigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Francis-Lee	59	58	57	56	52	59	61	63	57	43	40	39	22	9	9
Bear River	50	59	55	49	47	46	46	47	39	30	29	28	27	30	30
UPPER WYOMING TOTAL	803	792	745	700	651	615	598	614	578	537	493	463	419	390	358
ADJUSTED FOR STORAGE	718	710	667	630	581	543	525	540	516	538	493	463	410	384	353
COMPACT ALLOCATION	(See Note)														
LOWER UTAH															
Neville	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0
Booth	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Reem Land & Livestock	75	79	77	75	74	73	73	26	1	1	0	0	0	0	0
Crawford Thompson	163	166	162	158	135	85	85	85	60	60	60	60	60	58	58
Randolph-Woodruff	260	281	271	270	266	288	291	301	285	163	140	103	87	68	65
Dykens	12	14	14	14	15	14	14	15	15	8	4	1	0	0	0
Randolph-Sage Creek	113	124	128	124	118	112	111	119	121	95	81	76	72	72	69
Comine	2	5	7	8	13	13	12	12	13	12	8	7	7	5	3
Enberg	28	31	32	30	30	30	28	26	28	27	22	18	16	14	13
B.Q. West Side	212	219	229	209	191	186	183	186	193	183	212	222	206	154	128
Adam Pump	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
LOWER UTAH TOTAL	869	923	922	892	845	805	801	774	728	555	530	490	451	375	339
ADJUSTED FOR STORAGE	728	782	782	762	600	750	750	750	718	555	530	490	451	343	287
COMPACT ALLOCATION	(See Note)														
LOWER WYOMING															
B.Q. West Slough	51	59	69	72	78	72	64	59	52	67	55	52	48	26	0
B.Q. East Side	50	59	63	65	65	65	64	63	63	64	64	65	65	38	0
McFarland	1	2	3	3	4	3	3	3	3	4	3	2	1	0	0
Johnson Pumps	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3
Pixley	78	85	92	88	67	8	5	5	5	7	6	3	1	2	3
East ditch ab Pixley	20	20	20	20	10	0	0	0	0	0	0	0	0	0	0
LOWER WYOMING TOTAL	200	225	247	249	224	187	136	130	133	142	142	126	118	69	6
ADJ. FOR STORAGE	90	90	100	100	100	100	95	90	90	90	90	90	90	69	6
COMPACT ALLOCATION	(See Note)														
Bear River bl Pixley Dam	255	267	286	301	443	501	435	427	437	352	445	390	347	354	402
DIVERTIBLE FLOW	1799	1858	1845	1804	1942	1909	1821	1821	1773	1645	1566	1439	1302	1155	1055

JULY 1986	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
UPPER UTAH																	
Hovarka Canal (E. Fk)	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	6	252
Compact Allocation																	
UPPER WYOMING																	
Hilliard East Fork	32	35	34	34	34	32	32	32	32	30	31	30	29	25	28	32	907
Lannon	20	19	21	13	18	17	16	16	18	17	16	14	6	2	0	0	474
Hilliard West Side	11	8	17	39	37	34	35	30	28	28	28	28	28	26	28	26	912
Bear	28	41	70	51	50	48	49	49	63	59	59	56	57	54	27	6	1,608
Tropic	3	3	4	4	4	4	4	4	4	4	3	3	3	3	3	3	130
Danielson	4	3	2	2	2	8	10	10	9	9	8	5	5	4	4	4	180
Pine Grove & Crow	23	24	22	24	23	23	29	32	28	30	32	27	30	30	30	32	928
McGraw & Big Bend	18	14	12	15	14	10	9	6	10	10	10	9	6	3	6	12	412
Homer	1	1	1	0	0	0	2	4	5	4	3	2	1	1	1	2	62
Lewis	7	7	8	8	9	11	10	10	7	6	5	5	5	6	6	6	211
Lewis and Blanchard	3	3	3	3	3	3	4	5	4	4	4	4	4	3	3	3	103
Myers 2	6	19	15	13	13	14	13	12	11	8	8	6	6	10	10	10	181
More	2	5	3	2	2	2	3	2	4	2	2	2	0	4	7	6	94
Coffman 1 & 2	3	4	6	4	3	3	3	3	3	2	3	6	5	3	3	3	106
Knoder	1	4	6	4	4	3	3	2	1	1	0	0	0	0	0	0	68
Myers 1	5	3	4	9	9	9	8	7	8	10	9	8	9	9	10	10	236
Myers Irrigating	3	2	5	9	8	7	5	4	4	4	4	4	4	3	3	3	135
Booth	13	14	11	14	14	11	6	3	9	19	18	19	19	19	21	18	377
Anel	3	2	2	1	1	0	0	2	2	3	3	2	2	2	1	1	136
Cornelison	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	63
Evanston Water Supply	8	7	11	6	6	6	6	5	7	11	10	10	10	9	10	9	301
Knight 1 & 2	8	8	8	6	6	6	5	9	5	6	6	6	7	7	7	8	226
State Hospital	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	11
Evanston Water	20	20	11	9	9	10	12	11	12	15	11	12	14	17	17	17	572
Barton	2	9	14	10	9	5	5	3	4	5	6	6	7	9	7	6	131
Faulkner	2	2	2	1	1	1	1	2	2	2	2	2	1	1	1	1	111
Rocky Mountain-Blyth	0	0	0	2	12	13	12	12	11	11	10	10	9	7	6	7	276
Bennet	2	2	2	3	3	3	3	3	2	2	1	1	0	0	0	0	50
Bruce-Barton	4	4	4	4	5	5	4	1	1	0	0	0	0	0	0	0	99
A.M. Sims	3	3	3	3	3	2	2	1	1	1	0	0	0	0	0	0	67
Junction	3	3	3	3	3	3	4	4	4	4	3	2	3	3	0	0	133
Pearce	3	4	4	4	4	4	4	4	4	4	3	3	2	1	1	0	139
Thomas	4	4	3	3	3	3	3	2	2	2	1	1	1	1	1	1	81
Saxton Irrigating	5	5	5	5	5	5	4	4	4	3	1	1	1	1	1	1	182
John Sims-So. Pacific	6	6	3	3	3	2	6	6	11	9	7	7	9	2	12	11	265
Ramsey	12	9	12	16	11	10	13	12	11	11	10	9	9	7	7	8	398
Almy	2	2	1	1	1	1	0	0	0	0	0	0	1	1	1	1	54
Sims-Blight-Turner	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120
Bowns-Russell	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74
Turner	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Chapman(and Bartlett)	50	43	36	25	25	25	25	25	25	25	26	27	27	27	27	29	1,821
Lower Morris	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	44
Bowns & Bruce	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99
Tunnel	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	174
Fowkes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Christensen	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	36
Blight Irrigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Francis-Lee	9	9	6	6	6	9	8	7	5	4	3	1	0	0	0	0	761
Bear River	22	22	27	26	26	23	2	9	9	9	10	10	12	18	10	3	872
UPPER WYOMING TOTAL	366	381	406	394	389	337	350	350	372	376	358	340	334	333	301	280	14,460
ADJUSTED FOR STORAGE	361	379	391	377	372	339	295	254	243	248	233	222	216	214	201	205	12,621
COMPACT ALLOCATION																	
LOWER UTAH																	
Neville	0	0	0	0	0	1	0	0	0	1	2	2	2	2	3	3	33
Booth	2	1	1	1	2	1	1	1	1	1	1	0	0	0	0	0	43
Reem Land & Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	554
Crawford Thompson	54	51	50	50	49	49	21	13	6	3	2	2	1	11	19	26	1,862
Randolph-Woodruff	55	50	48	49	48	65	33	29	27	27	27	27	27	27	27	33	3,316
Dykens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	139
Randolph-Sage Creek	66	62	59	58	58	56	52	45	41	40	40	39	38	39	39	40	2,304
Comine	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	133
Enberg	12	13	13	13	12	8	2	5	0	0	0	0	0	0	0	0	464
B.Q. West Side	119	121	129	122	116	20	50	41	19	3	2	2	2	6	6	5	3,760
Adam Pump	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	21
LOWER UTAH TOTAL	311	291	302	295	286	252	159	129	95	76	75	73	71	81	94	109	12,989
ADJUSTED FOR STORAGE	268	221	198	172	286	252	159	129	95	76	75	73	71	81	94	109	11,838
COMPACT ALLOCATION																	
LOWER WYOMING																	
B.Q. West Slough	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	826
B.Q. East Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	853
McFarland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
Johnson Pumps	3	4	4	4	4	4	4	4	4	4	4	3	2	2	2	2	62
Pixley	2	2	2	10	5	4	3	4	2	2	3	2	4	4	2	3	511
East ditch ab Pixley	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	90
LOWER WYOMING TOTAL	5	6	6	14	9	8	9	8	6	6	7	5	6	6	4	5	2,404
ADJ. FOR STORAGE	5	6	6	14	9	8	9	8	6	6	7	5	6	6	4	5	1,460
COMPACT ALLOCATION																	
Bear River bl Pixley Dam	333	305	267	286	283	262	269	262	222	199	184	144	133	130	116	84	9,238
DIVERTIBLE FLOW	974	918	869	856	957	867	735	660	583	535	505	450	432	439	421	409	35,349

Note: All sections within allocation during "Water Emergency" (July 14-31)

Table 8

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

AUGUST 1980	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
UPPER UTAH																																
Hovarka Canal (E. Fk)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	148
Compact Allocation	(See Note)																															
UPPER WYOMING																																
Hilliard East Fork	33	32	32	30	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	187
Lannon	0	0	0	0	0	0	0	0	0	0	2	4	5	4	7	7	7	5	7	9	9	9	10	10	11	11	11	2	6	9	9	164
Hilliard West Side	25	24	23	21	15	8	8	8	8	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150
Bear	6	5	5	5	6	8	8	8	7	8	7	7	7	7	7	7	7	8	10	11	11	16	16	16	14	14	13	12	12	11	11	290
Tropic	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3	4	3	3	3	2	3	6	3	90
Danielson	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Pine Grove & Crown	30	28	27	23	21	22	22	24	22	20	12	5	4	7	9	8	7	10	12	12	11	10	13	9	6	4	3	6	8	10	10	414
McGraw & Big Bend	12	12	12	12	13	15	13	9	9	9	6	4	4	4	4	4	4	5	5	5	4	4	4	10	10	10	9	8	8	8	6	242
Homer	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	0	0	0	5
Lewis	6	6	6	7	7	6	7	7	7	7	6	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	3	3	3	161
Lewis and Blanchard	7	3	2	1	1	3	3	3	4	4	4	4	3	3	3	3	3	3	3	3	2	2	2	2	2	2	1	1	1	1	1	74
Myers 2	10	8	6	5	6	10	9	7	6	10	11	10	12	10	10	11	10	10	10	10	10	8	9	10	10	10	10	10	9	9	9	284
Hare	5	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	0	0	0	8
Coffman 1 & 2	3	3	4	5	5	5	5	5	5	5	5	5	5	5	5	2	1	1	3	1	1	0	0	0	4	4	5	5	6	0	8	108
Knoder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Myers 1	9	8	9	8	6	8	6	5	4	4	10	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81
Myers Irrigating	3	3	2	3	3	12	1	3	4	5	4	2	1	1	0	0	0	0	1	1	1	2	0	0	0	0	0	0	0	0	0	51
Booth	16	14	14	13	12	13	12	14	13	12	8	14	14	14	15	15	12	10	9	11	11	8	7	7	5	8	7	5	3	2	2	320
Axel	1	1	0	0	0	0	1	1	1	1	1	1	4	5	4	4	3	3	2	2	2	2	3	3	3	4	3	3	3	3	3	67
Cornelison	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	2	2	20
Evanston Water Supply	9	8	7	7	7	8	9	9	8	8	7	3	2	2	7	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	115
Knight 1 & 2	9	9	10	11	11	11	11	11	10	10	10	10	10	9	7	9	10	10	9	10	10	9	9	9	9	10	9	8	8	7	7	292
State Hospital	1	1	1	0	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	0	20
Evanston Water	17	16	15	14	14	13	12	12	11	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	11	11	10	8	8	8	8	338
Barton	5	4	2	1	1	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	29
Faulkner	3	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	1	1	1	1	1	24
Rocky Mountain-Blyth	8	8	8	8	8	8	7	7	7	7	6	5	6	8	8	5	4	4	4	8	5	5	6	7	7	7	6	4	4	4	4	193
Bennet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	28
Bruce-Barton	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	4	4	5	5	5	5	4	4	4	4	4	4	5	5	71
A.M. Sims	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	3	4	5	4	4	5	5	5	5	5	5	5	5	5	5	75
Junction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	2	2	2	1	1	2	2	2	3	30
Pearce	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	2	2	2	2	11
Thomas	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	31
Saxton Irrigating	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	1	1	2	2	1	3	11
John Sims-So. Pacific	10	10	9	8	6	7	7	7	7	7	7	9	10	9	10	9	9	8	9	9	8	7	7	7	7	8	8	9	8	7	6	252
Ramsey	5	5	3	4	5	5	5	5	5	4	9	6	9	5	6	6	6	3	2	7	7	7	8	10	10	14	12	5	5	4	4	190
Almy	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
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	3	3	3	9
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	0	0	0	0	0	0
Turner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chapman (and Bartlett)	30	31	29	28	27	27	26	25	25	25	25	24	23	23	23	23	25	24	25	25	25	25	25	24	24	24	26	24	23	23	23	779
Lower Morris	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	2	3	2	2	3	16
Bowne & 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	0	0	0	0
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
Christensen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Upper Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	3	6	6	6	6	7	7	7	7	8	7	7	7	7	7	6	6	6	6	6	6	7	141
Bear River	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	8	6	9	9	9	9	9	10	92
UPPER WYOMING TOTAL	270	253	238	224	192	199	183	181	173	176	166	165	155	149	156	151	142	147	153	167	161	164	172	180	180	190	183	165	164	161	166	5,591
ADJUSTED FOR STORAGE	197	184	176	162	136	157	141	141	137	140	130	131	118	118	125	120	116	107	107	121	115	119	126	135	135	147	149	132	132	129	135	4,198
COMPACT ALLOCATION	(See Note)																															
LOWER UTAH																																
Neville	3	3	4	3	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	3	1	2	1	1	1	1	36
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	26	25	24	23	24	24	26	32	5	5	4	1	0	0	0	0	0	1	1	3	2	1	1	0	0	0	0	0	0	0	0	212
Randolph-Woodruff	33	33	33	33	31	32	35	34	33	33	29	16	10	11	14	16	16	14	11	11	11	11	7	6	6	6	6	6	6	6	6	555
Dykens	0	0	0	0	0	0	0	0	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	41	42	42	39	39	39	40	41	42	42	41	39	34	33	33	33	33	33	32	33	33	33	33	32	32	33	34	32	31	31	31	1,104
McMion	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	0	0	0	0	0	1
Enberg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B.Q. West Side	6	5	5	5	5	5	5	5	5	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51
Adam Pump	0	0	0	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	17
LOWER UTAH TOTAL	109	107	103	102	101	103	108	94	87	85	77	58	46	45	48	50	50	50	51	51	47	48	42	40	39	40	42	39	38	38	38	1,978
ADJUSTED FOR STORAGE	51	50	48	42	50	39	42	29	23	22	33	35	21	20	25	27	28	30	31	29	29	32	25	31	19	22	30	25	24	20	19	934
COMPACT ALLOCATION	(See Note)																															
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
Johnson Pumps	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	3	4	5	5	4	4	4	4	5	4	5	5	4	3	3	3	69
Pixley	8	13	12	9	8	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	53
East ditch ab Pixley	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOWER WYOMING TOTAL	8	13	12	9	8	3	0	0	0	0	0	0	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	122
ADJ. FOR STORAGE	No Adjustment for Storage																															
COMPACT ALLOCATION	(See Note)																															
Bear River bl Pixley Dam	80	89	86	94	99	131	116	103	108	109	106	105	104	103	97	99	99	103	97	95	95	95	87	83	80	80	84	78	73	76	76	2,917
DIVERTIBLE FLOW	341	341	327	313	299	335	298	277	273	276	274	260	253	249	255	256	252	249	244	253	248	254	247	248	242	257	271	249	236	226	231	8,319

Table 9

Note: Unused allocation in any section available for use in other sections; thus, all sections diverted within allocation in August.

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

SEPTEMBER 1980	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																																
Hovorka Canal (E. Fk)	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2	0	0	0	0	0	0	0	0	0		82
Compact Allocation	(See Note)																															
UPPER WYOMING																																
Hilliard East Fork	2	2	2	2	2	6	15	16	17	22	20	22	22	19	18	17	17	17	17	11	2	2	2	2	2	2	7	7	7	7		306
Lannon	0	0	0	0	0	3	7	8	8	8	11	10	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		69
Hilliard West Side	0	0	0	1	1	8	28	29	29	32	31	33	29	27	25	25	24	24	24	13	4	6	10	13	13	2	2	3	3	3		441
Bear	9	8	8	9	11	10	9	8	8	8	7	7	14	29	29	22	33	25	25	19	10	10	9	9	9	9	9	9	9	9		395
Tropic	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		34
Danielson	0	0	0	0	0	1	8	8	8	8	8	9	7	3	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0		65
Pine Grove & Crown	8	4	2	5	5	5	17	18	18	19	19	19	13	9	10	11	12	15	15	16	17	18	17	16	15	14	13	12	12	12		386
McGraw & Big Bend	3	3	3	3	3	3	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	3	3	3	3	3		123
Homer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Lewis	1	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		35
Lewis and Blanchard	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
Myers 2	9	9	9	9	9	9	9	9	9	9	8	5	4	3	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0		117
Mare	0	0	0	0	0	0	0	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	3	3	3	3	3	3	3		21
Knoder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Myers 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Myers Irrigating	0	0	0	0	0	0	0	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	4	5	5	5	4	4	5	6	7	9	9	10	8	6	5	4	4	4	4	4	6	6	6	5	3	3	2	2	2	2		149
Anel	3	3	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		36
Cornelison	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Evanston Water Supply	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		35
Knight 1 & 2	8	8	8	7	5	4	4	4	4	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	3	3	3	3	3		122
State Hospital	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0		10
Evanston Water	8	8	8	7	7	7	8	9	9	9	9	9	9	8	8	7	7	7	7	7	7	6	7	6	6	6	6	6	6	6		220
Barton	1	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		18
Faulkner	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		24
Rocky Mountain-Blyth	3	4	3	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		37
Bennet	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		1
Bruce-Barton	5	5	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		15
A.N. Sims	5	5	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		15
Junction	3	3	2	0	1	2	2	3	3	4	4	5	5	5	5	4	5	4	3	3	3	2	2	2	1	1	1	1	1	1		79
Pearne	3	3	4	4	4	5	5	6	0	1	1	2	3	4	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0		51
Thomas	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 Irrigating	1	1	1	1	1	1	1	2	3	3	3	3	4	3	3	3	3	4	3	3	3	2	2	2	2	2	2	2	2	1		68
John Sims-So. Pacific	6	6	7	6	6	6	6	6	7	6	9	10	11	19	7	6	6	8	7	6	5	5	5	5	5	5	5	5	5	5		178
Ramsey	2	5	5	4	5	6	7	6	7	7	7	7	7	6	5	5	6	7	8	9	10	10	10	10	11	11	12	13	13	13		236
Almy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Sims-Blight-Turner	3	3	3	4	4	4	5	5	5	5	5	5	6	6	5	5	4	4	4	3	3	2	2	2	1	1	0	0	0	0		99
Downs-Russell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Turner	0	0	2	2	3	3	3	3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		43
Chapman(and Bartlett)	23	23	23	23	24	24	26	25	26	26	30	32	32	29	26	25	25	26	25	25	27	27	27	27	27	28	27	28	28	28		796
Lower Morris	3	3	3	3	3	2	2	2	2	2	3	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	2	2		49
Downs & 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
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
Christensen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Upper Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
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	2	2	5	4	3	3	3	2	2	3	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0		49
Bear River	10	10	11	11	12	13	16	16	14	13	8	5	4	4	3	3	2	2	3	3	3	2	2	2	1	1	1	0	0	0		177
UPPER WYOMING TOTAL	149	137	128	123	120	139	199	205	204	216	214	206	207	194	178	166	171	168	168	142	117	117	118	122	116	102	105	106	108	106		4,557
ADJUSTED FOR STORAGE	122	110	101	96	94	81	127	134	134	147	145	139	145	142	127	116	123	133	123	117	109	112	118	121	116	102	105	106	106	105		3,549
COMPACT ALLOCATION	(See Note)																															
LOWER UTAH																																
Neville	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		10
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
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
Crawford Thompson	1	1	1	3	6	5	13	15	15	15	16	17	11	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2		130
Randolph-Woodruff	7	8	8	8	3	5	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		97
Dykens	0	0	0	0	0	0	0	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	33	34	33	33	32	33	33	34	34	34	35	37	37	32	29	28	27	26	26	26	27	27	27	27	27	26	26	26	27	27		901
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
Roberg	0	0	0	0	0	0	0	0	0	0	1	11	14	15	16	16	16	15	13	11	14	14	14	14	11	13	13	13	12	12		261
O.Q. West Side	0	0	0	0	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		9
Adam Pump	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
LOWER UTAH TOTAL	45	44	43	45	50	52	52	52	52	52	54	67	64	52	49	46	45	43	41	42	43	43	43	43	42	41	41	41	42	41		1,409
ADJUSTED FOR STORAGE	26	24	23	26	31	33	33	38	39	41	54	67	64	52	49	46	45	43	42	42	43	43	43	43	42	41	41	41	42	43		1,237
COMPACT ALLOCATION	(See Note)																															
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
Johnson Pumps	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Pixley	0	0	0	0	0	0	0	0	0	0	3	13	22	28	30	31	31	32	32	32	32	33	33	33	34	34	34	35	35	35		592
East Ditch ab Pixley	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
LOWER WYOMING TOTAL	0	0	0	0	0	0	0	0	0	0	3	13	22	28	30	31	31	32	32	32	32	33	33	33	34	34	34	35	35	35		592
ADJ. FOR STORAGE	No water from storage diverted in September																															
COMPACT ALLOCATION	(See Note)																															
Bear River bl Pixley Dam	69	68	65	62	45	54	49	54	53	56	30	24	20	23	22	17	17	15	12	11	11	11	11	10	10	9	10	9	9	8		883
DIVERTIBLE FLOW	221	206	193	186	174	172	213	230	230	250	256	247	255	249	232	214	218	216	212	206	197	204	205	209	207	186	190	191	192	197		6,343

Note: Unused allocation in any section available for use in other sections; thus, all sections diverted within allocation in September.

Table 10

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

MAY 1979	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
Sughtis	8	10	11	9	9	12	11	9	7	5	4	4	4	5	8	11	14	17	16	15	14	14	16	18	18	19	22	23	26	26	19	404
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	1	1	1	1	1	1	1	1	1	42	42	42	42	50	50	610
Snyder	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	31
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	2	4	5	5	5	6	6	6	5	44
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	2	2	2	3	4	5	8	25
TRIBUTARY CANALS																																
Goodell Ca - Pine Cr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
V. H. Canal - Pine Cr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Collett Canal-Pine Cr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grade Creek Canal	0	0	0	0	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	81
Diamond C&P - At Brunne	0	0	0	0	0	0	0	0	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 Meat-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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMITHS FORK CANALS																																
Quinn-Bourne	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	9	2	6	17	16	8	4	18	14	4	111
Button Flat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	2	2	2	2	3	4	3	3	2	2	2	2	2	3	4	5	6	6	6	9	9	9	9	8	8	8	8	8	8	7	6	158
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	14	16	16	17	16	29	42	30	27	27	64	59	62	58	64	65	722
Covey Canal at Head	0	0	0	0	0	0	8	14	14	13	13	13	13	14	14	11	11	11	11	11	10	10	10	10	10	9	9	9	9	9	8	283
Covey Canal-Bruner Cr	0	0	0	0	13	13	13	13	13	13	12	12	12	12	12	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	141
Covey Canal-Spring Cr	0	0	0	0	0	6	6	6	6	5	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tanner, Hunt & Garrett	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	9	9	8	10	18	20	21	20	21	27	34	32	25	21	293
Whites Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
John Bourne-Collett Cr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	5	5	5	5	5	5	5	5	6	6	6	6	6	142
Torgeson (Collett Cr)	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	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	4	4	4	3	3	3	3	3	3	3	3	2	2	2	2	2	106
Morgan (South Branch)	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	54
Cokeville Water-So Br	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	297
Tanner 1 (South Br)	0	0	0	0	11	11	11	11	11	11	11	11	11	11	11	0	0	0	0	0	13	13	13	13	13	13	13	13	13	13	13	143
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 Fork	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	78	14	0	0	0	19	46	34	0	17	17	17	17	17	17	641
South Br 1-Smiths Fork	0	0	0	0	0	0	0	0	0	10	32	60	63	21	60																	
Igo Star Ditch																																
TOTAL WYO. DIVERSIONS	19	21	22	20	57	60	66	70	67	73	93	121	124	134	128	132	175	144	130	130	170	205	219	212	192	245	242	251	265	266	233	4,286
IDAHO DIVERSIONS																																
Miller Ditch	0	0	0	0	0	0	0	0	0	0	0	10	11	11	11	12	14	15	16	16	15	15	15	15	15	15	15	15	15	15	14	280
Nuffer Canal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	19	20	22	23	22	22	22	22	22	23	23	23	23	23	23	23	380
Sorensen Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0	10	11	11	12	13	14	14	14	14	14	14	14	14	14	10	0	0	0	193
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	16	24	24	24	24	24	15	11	254
Loyd Ditch	0	0	0	0	10	12	12	12	12	12	12	10	0	0	0	10	11	11	11	11	11	11	11	11	11	11	11	12	12	10	0	165
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	25	43	55	59	64	246
Ream Crockett Canal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	22	22	23	23	24	39	57	57	58	55	56	57	57	57	722
Black Otter Canal	0	0	0	0	0	0	0	0	0	0	10	12	10	11	15	15	0	31	85	84	84	85	88	94	94	93	87	88	91	91	90	1,184
Preston Montpelier Ca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	22	22	22	23	26	28	29	15	33	33	11	17	44	46	48	818
LaRocco Kent Canal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	10	17	17	17	17	17	17	12	0	0	0	124
West Fork Canal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	148	132	125	126	128	128	127	127	127	143	170	153	158	162	162	161	4,694
Pugmire Ditch	158	156	166	168	161	160	166	168	150	158	162	158	154	162	170	0	0	0	0	0	0	0	10	12	12	12	11	12	12	12	11	106
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	
TOTAL IDAHO DIVERSIONS	158	156	176	180	189	199	206	208	190	208	214	216	204	235	251	344	232	261	319	321	333	342	372	419	443	470	466	490	495	490	477	9,184
Rainbow Inlet Ca-Bear R.	463	472	506	534	511	508	578	614	587	538	485	430	400	363	332	440	529	614	613	604	600	588	561	526	520	518	470	477	489	503	506	15,879
Bear R bl Stewart Dam	25	25	25	24	24	24	23	23	23	22	22	22	21	21	21	22	23	25	25	25	25	24	24	24	24	23	23	23	23	21	20	719
Idaho Divertible Flow	646	653	707	738	724	731	807	845	800	768	721	668	625	619	604	706	784	900	957	950	958	956	957	969	987	1011	959	990	1007	1014	1003	25,762
Wyoming Divertible Flow	19	21	22	20	57	60	66	70	67	73	93	121	124	134	128	132	175	144	130	130	170	205	219	212	192	245	242	251	265	266	233	4,286
Total Divertible Flow	665	674	729	758	781	791	873	915	867	841	814	789	749	753	732	838	959	1044	1087	1080	1128	1159	1176	1181	1179	1256	1201	1241	1272	1280	1236	30,048
Wyoming Allocation (43%)	286	290	313	326	336	340			373	362	350	339	322	324	315	360	"Water Emergency" from May 1-6 and 9-16. See Divertible Flow															
Idaho Allocation (57%)	379	384	416	432	445	451			494	479	464	450	427	429	417	478																
Bear River At Border, WY	462	500	545	510	510	587	571	503	452	413	368	348	336	370	443	516	599	667	673	656	652	642	652	697	725	697	711	722	740	747	642	17,653

Table II

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

JUNE 1979	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	13	12	13	18	19	23	30	31	26	21	22	20	18	12	10	11	10	11	13	15	13	13	13	13	14	15	13	10	10	10		471
Wyman East	19	19	19	19	19	19	19	19	18	17	16	16	15	13	12	12	12	12	11	11	10	10	9	6	3	2	3	2	4	6		374
Wyman West	50	51	51	51	53	54	58	59	52	48	51	46	49	57	55	55	53	50	51	15	0	0	0	17	27	27	27	17	0	0		1,124
Snyder	24	44	44	47	48	51	55	49	51	48	48	55	43	39	36	37	35	34	34	33	31	29	27	21	16	16	16	16	17	16		1,050
Rocky Point	0	0	0	0	2	4	12	16	14	12	12	9	11	13	12	12	12	11	10	10	7	4	2	6	6	9	9	10	5	4		234
Cook	4	4	4	6	6	6	7	7	7	7	6	6	6	6	5	5	5	5	5	5	5	4	4	4	4	4	4	5	5	4		155
J. R. Richards	9	8	8	6	7	11	13	13	14	13	12	11	10	9	7	7	6	5	5	5	3	2	9	7	5	4	3	3	4	6		223
TRIBUTARY CANALS																																
Goodell Ca - Pine Cr	0	0	0	0	0	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7	8	8	8	8	8	9	9	8	8		172
V. H. Canal - Pine Cr	0	0	0	0	12	12	12	12	13	13	13	13	13	12	12	12	12	12	12	11	11	11	11	11	11	10	10	11	11	11		304
Collett Canal-Pine Cr	0	0	0	2	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		12
Grade Creek Canal	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3		103
Diamond C&P - #1 Bruner	4	4	3	4	4	4	3	3	2	2	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2		58
Haggerty West-Bruner	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	2	2	2	1	1	1	1	0	0	0		81
Sublette C at Thompson	0	0	0	0	0	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		50
SMITHS FORK CANALS																																
Quinn-Bourne	12	12	11	11	12	13	14	12	9	8	7	6	8	13	13	12	12	11	10	9	8	8	8	8	7	7	7	7	6	6		287
Button Flat	0	0	0	0	0	1	1	2	3	3	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	4		98
Progress	0	0	0	0	0	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	9	8	7	6	5	5	5	4		136
Emelle	0	2	6	11	16	16	19	20	19	18	19	18	25	32	38	36	29	29	29	27	23	23	22	20	27	26	25	24	24	23		651
Cooper	5	5	5	5	5	6	6	6	5	4	4	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	0		112
Wheelock	1	2	3	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	3	3	3	3	3	3	3		121
Covey Canal at Head	72	72	78	79	82	82	95	94	90	86	82	94	95	96	96	94	92	94	96	94	95	95	73	58	63	69	69	69	69	69		2,492
Covey Canal-Bruner Cr	8	8	8	8	7	8	8	8	9	9	9	10	11	12	12	13	14	15	15	14	12	11	9	7	6	4	3	1	2	4		265
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	4		149
Tanner, Hunt & Garrett	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	5	4	4	4	4	3	3		34
Whites Water	20	18	16	18	20	19	17	17	21	20	33	41	41	43	43	41	40	39	40	37	34	29	29	24	25	21	21	21	21	24		833
John Bourne-Collett Cr	6	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5	5	5		170
Forgeon (Collett Cr)	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	4	4	4	4	3	3	3	2		155
Stoner-Nichols (So Br)	0	0	1	4	8	8	8	8	8	8	7	7	8	8	8	8	8	8	9	9	8	8	8	8	8	8	8	8	8	8		213
Morgan (South Branch)	2	2	2	2	2	3	3	3	3	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3		95
Cokeville Water-So Br	0	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		55
Tanner 1 (South Br)	0	0	0	0	0	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		47
Smiths Fk Canal-So Br	13	13	13	13	13	12	12	12	12	12	12	12	12	12	11	10	9	8	7	6	5	4	3	2	2	2	2	2	2	2		250
South Br 2-Smiths Fork	0	0	0	0	1	2	2	3	3	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		115
South Br 1-Smiths Fork	17	17	16	16	16	16	16	16	20	19	18	23	28	31	31	28	28	27	26	25	32	36	35	40	38	36	35	35	32	28		781
Igo Star Ditch																																
TOTAL WYO. DIVERSIONS	297	319	327	349	385	412	454	453	443	421	430	438	455	476	464	457	442	436	439	390	359	354	331	318	326	323	317	305	278	270		11,468
IDAHO DIVERSIONS																																
Miller Ditch	13	11	10	10	11	11	12	14	14	14	13	13	13	12	9	8	8	8	8	6	8	8	7	7	7	7	8	7	7	7		293
Nuffer Canal	20	18	17	18	19	19	20	21	21	20	19	18	17	15	13	12	12	12	11	11	10	9	8	8	8	2	0	0	0	0		378
Sorensen Ditch	0	0	0	10	12	12	12	13	13	13	12	12	12	11	10	10	10	9	9	9	9	8	7	7	7	7	8	7	7	6		262
Jensen Ditch	11	11	10	11	11	11	11	11	10	9	0	0	0	0	0	0	0	0	9	8	10	9	8	8	8	8	8	8	8	8		188
Loyd Ditch	0	0	0	0	0	0	0	10	12	12	11	11	11	10	9	8	8	8	8	8	7	7	5	5	5	5	6	6	6	6		184
Dingle Irrig. Canal	51	43	40	45	58	58	62	64	68	67	64	62	60	57	52	68	67	66	67	68	68	64	62	57	56	56	59	54	48	39		1,750
Ream Crockett Canal	55	53	53	56	60	59	62	63	62	62	60	59	58	57	55	52	53	56	57	57	57	54	53	51	52	52	53	51	50	50		1,672
Black Otter Canal	86	80	78	79	82	89	96	101	114	114	110	107	103	101	97	89	88	88	88	88	86	82	79	79	79	80	81	80	79	79		2,682
Preston Montpelier Ca	54	54	51	54	62	64	66	73	71	60	53	52	49	51	50	40	37	51	58	59	54	53	52	54	53	56	60	55	51	51		1,648
LaRocco Kent Canal	0	4	6	6	6	6	5	2	7	10	11	11	12	12	11	11	11	10	9	9	8	7	5	5	4	4	7	7	8	10		223
West Fork Canal	148	148	154	156	168	168	164	176	163	159	151	153	147	142	152	148	125	135	142	139	130	108	97	86	85	95	97	97	83	78		3,968
Pugmire Ditch	9	9	9	9	9	9	9	10	10	10	9	9	9	9	8	7	7	7	7	7	6	5	2	0	0	0	0	0	0	0		185
TOTAL IDAHO DIVERSIONS	547	431	428	454	498	506	518	558	565	541	515	507	485	477	466	453	426	450	464	471	453	414	385	367	364	370	387	372	347	334		13,453
Rainbow Inlet Ca-Bear L.	436	337	270	233	260	274	295	376	401	410	338	281	253	217	186	153	129	107	81	71	61	57	49	41	34	26	18	21	24	23		5,464
Bear R bl Stewart Dam	19	18	17	15	24	33	42	51	60	69	78	87	92	115	27	26	25	23	22	20	19	17	16	14	12	13	13	14	14	15		1,009
Idaho Divertible Flow	902	786	715	702	782	813	855	985	1026	1020	933	875	830	809	681	632	580	580	567	562	533	488	450	422	410	409	418	407	385	371		19,926
Wyoming Divertible Flow	297	319	327	349	385	412	454	453	443	421	430	438	455	476	464	457	442	436	439	390	359	354	331	318	326	323	317	305	278	270		11,468
Total Divertible Flow	1199	1105	1042	1051	1167	1225	1309	1438	1469	1441	1361	1313	1285	1285	1145	1089	1022	1016	1006	952	892	842	781	740	736	732	735	712	663	641		31,394
Wyoming Allocation (43%)	"Water Emergency" began June 21. See Divertible Flow and Bear River at Border, Wy.																				384	362	336	318	316	315	316	306	285	276		
Idaho Allocation (57%)																					508	480	445	422	420	417	419	406	378	365		
Bear R at Border, Wy	548	478	481	537	564	612	722	740	729	659	629	593	535	478	413	411	399	370	360	355	315	271	255	252	269	269	262	255	264	241		13,261

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

JULY 1979	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	11	13	15	17	18	19	20	17	17	17	11	13	13	8	8	7	6	7	5	6	5	6	6	7	6	6	6	5	6	7	10	323
Wyman East	8	8	8	8	8	8	8	8	8	9	11	11	10	9	9	8	8	7	6	6	6	2	0	0	0	0	0	0	0	0	0	174
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
Sayder	18	18	16	17	16	16	16	16	17	18	20	20	18	18	17	16	15	15	14	14	14	14	14	14	13	13	13	13	12	4	0	456
Rocky Point	5	5	5	5	5	5	5	5	5	5	5	8	7	7	7	7	5	7	7	7	7	7	9	9	10	10	9	8	7	7	10	216
Cook	5	5	4	4	4	4	4	4	5	4	5	5	5	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	9	113
J. R. Richards	4	4	4	3	4	4	5	5	9	8	1	2	2	1	1	9	9	9	9	9	7	6	7	8	8	6	7	2	9	8	9	173
TRIBUTARY CANALS																																
Goodell Ca - Pine Cr	8	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	218
V. H. Canal - Pine Cr	12	12	13	11	10	9	8	7	6	5	6	6	7	8	8	9	10	10	11	11	11	11	11	11	11	11	11	11	11	11	11	300
Collett Canal-Pine Cr	0	0	0	0	0	0	3	7	7	7	7	7	7	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56
Grade Creek Canal	3	3	3	3	3	3	3	3	4	4	4	3	3	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	107
Diamond Cr - #1 Brunn	2	2	2	2	2	2	3	3	3	4	3	3	3	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38
Haggerty Weat-Brunor	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Sublette C at Thompson	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	31
SMITHS FORK CANALS																																
Quinn-Bourne	6	5	5	5	5	5	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	110
Button Flat	4	4	3	4	4	4	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	171
Progress	2	1	1	1	2	3	4	5	5	6	6	5	5	5	5	5	4	4	4	4	4	3	2	1	1	0	0	0	0	0	0	87
Enville	23	22	21	21	20	20	19	18	18	17	17	17	16	16	16	16	14	14	15	15	15	15	15	15	14	13	13	13	12	12	12	504
Cooper	5	5	5	4	4	4	4	5	3	3	3	3	3	3	3	2	2	2	3	3	4	4	3	3	3	3	3	3	3	3	3	104
Wheelock	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	67
Covey Canal at Head	68	68	66	66	64	64	62	62	61	61	61	58	30	22	30	61	62	68	65	58	57	57	57	56	56	56	56	54	52	52	52	1,752
Covey Canal-Brunner Cr	6	7	8	8	7	6	5	5	4	4	4	4	4	3	3	4	4	4	5	5	5	5	5	6	6	6	6	6	6	6	6	166
Covey Canal-Spring Cr	4	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	80
Tanner, Hunt & Garrett	3	3	3	3	3	3	3	2	2	2	2	3	4	5	5	2	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	69
Whites Water	27	27	25	26	23	16	16	15	15	15	15	12	13	15	14	13	13	14	15	15	15	16	15	14	11	10	11	11	11	11	10	478
John Bourne-Collett Cr	2	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	0	0	0	10
Ferguson (Collett Cr)	2	2	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	0	0	0	6
Stoner-Nichols (SO Br)	8	7	7	7	7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	2	2	2	2	2	2	112
Morgan (South Branch)	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	88
Cokeville Water-So Br	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	1	36
Tanner 1 (South Br)	1	1	1	1	1	1	1	2	2	3	3	3	4	4	3	3	3	3	3	3	2	2	2	1	1	1	1	1	1	1	1	64
Smiths FK Canal-So Br	2	3	4	5	5	5	5	4	4	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	95
South Br 2-Smiths Fork	4	4	4	4	4	4	4	4	4	4	4	4	4	3	2	2	2	2	2	2	2	1	1	1	1	1	0	0	0	0	0	25
South Br 1-Smiths Fork	27	27	25	25	25	14	14	14	14	14	14	14	15	16	16	15	15	15	14	15	15	15	15	15	14	14	13	12	11	10	9	491
Igo Star Ditch																																
TOTAL WYO. DIVERSIONS	282	277	270	270	263	241	243	242	244	245	243	231	208	196	195	221	214	219	218	213	211	203	201	199	193	186	179	174	174	166	167	6,788
IDAHO DIVERSIONS																																
Miller Ditch	10	11	11	10	9	9	8	8	8	8	9	9	9	9	8	5	2	2	2	2	2	2	2	2	1	1	0	0	0	0	0	159
Nuffer Canal	0	7	10	10	12	12	12	11	12	13	13	14	15	13	12	11	0	8	8	6	5	5	5	5	5	4	4	3	2	2	2	250
Sorensen Ditch	6	7	7	5	4	4	4	4	4	4	4	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58
Jensen Ditch	8	8	8	8	8	8	8	8	8	8	8	8	8	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116
Loyd Ditch	7	8	8	8	7	7	7	7	7	7	8	8	8	8	8	5	3	3	3	3	2	2	1	0	0	0	0	0	0	0	0	134
Dingle Irrig. Canal	32	32	32	32	31	36	41	41	41	47	46	46	44	42	42	41	40	44	51	52	56	56	53	53	53	52	53	61	61	60	63	1,427
Beam Crockett Canal	48	45	41	36	43	55	55	56	57	58	59	60	61	60	59	58	57	55	56	55	54	52	51	51	51	50	37	0	0	0	0	1,408
Black Otter Canal	79	80	80	78	77	77	77	76	77	79	83	84	82	78	77	73	70	75	54	38	37	37	38	39	37	37	37	37	37	37	18	1,944
Preston Montpelier Ca	20	55	56	52	48	47	38	0	0	19	43	61	54	48	62	38	32	32	40	40	41	39	39	42	40	37	37	39	40	38	37	1,221
LaRocco Kent Canal	10	12	12	12	12	12	17	20	20	21	21	22	22	15	9	8	8	7	0	0	10	12	12	12	12	12	12	12	12	12	12	404
West Fork Canal	77	81	35	8	7	7	2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	5	9	10	10	10	10	282
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	327	346	300	256	257	223	270	232	233	256	286	315	309	287	262	243	224	227	242	219	210	207	202	205	202	198	174	162	162	159	162	7,404
Rainbow Inlet Ca-Bear L.	20	19	24	29	26	34	35	43	71	101	118	131	160	168	182	167	139	113	95	89	78	79	73	70	62	53	43	44	45	44	42	2,394
Bear R bl Stewart Dam	15	15	16	16	37	57	78	99	24	25	24	23	23	23	22	22	22	22	21	21	21	20	20	20	20	19	19	19	18	18	18	816
Idaho Divertible Flow	362	380	340	304	320	164	382	172	328	381	428	469	492	478	466	432	385	356	358	329	309	306	295	295	284	270	236	226	225	221	222	10,614
Wyoming Divertible Flow	282	277	270	270	263	241	243	242	244	245	243	231	208	196	195	221	214	219	218	213	211	203	201	199	193	186	179	174	174	166	167	6,788
Total Divertible Flow	644	657	610	574	583	405	625	614	572	626	671	700	700	674	661	653	599	575	576	542	520	509	496	494	477	456	415	399	399	387	389	17,402
Wyoming Allocation (43%)	277	283	262	247	251	260	269	264	246	269	289	301	301	290	284	281	258	247	248	233	224	219	213	212	205	196	178	172	172	166	167	7,484
Idaho Allocation (57%)	367	374	348	327	332	345	356	350	326	357	382	399	399	384	377	372	341	328	328	309	296	290	283	282	272	260	237	227	227	221	222	9,918
Bear R. at Border, Wy.	274	279	250	241	234	232	232	227	252	286	343	351	317	286	259	238	183	198	181	167	154	159	162	158	151	146	141	136	136	136	144	6,650

Table 13

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

AUGUST 1979	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
WYOMING DIVERSIONS																
BEAR RIVER CANALS																
Garrett	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sights	6	6	5	4	4	4	4	0	0	0	0	0	0	0	0	0
Wyman East	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wyman West	0	0	0	0	3	18	25	25	26	26	26	27	27	27	27	26
Snyder	0	0	0	0	0	0	0	12	16	21	19	18	19	20	20	19
Rocky Point	9	6	5	4	2	3	3	5	1	3	2	8	2	2	5	0
Cook	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
J. R. Richards	5	2	1	4	4	0	0	0	0	0	0	0	2	4	0	0
TRIBUTARY CANALS																
Goodell Ca - Pine Cr	6	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5
V. H. Canal - Pine Cr	12	12	12	12	12	13	13	13	13	13	13	13	13	13	13	13
Collett Canal-Pine Cr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grade Creek Canal	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3
Diamond C&P - #1 Bruner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Haggerty West-Bruner	2	2	2	2	2	2	2	2	2	1	1	1	0	0	0	0
Sublette C at Thompson	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SMITHS FORK CANALS																
Quinn-Bourne	2	2	2	2	2	2	2	2	2	2	2	2	2	3	8	9
Button Flat	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Progress	0	1	2	3	4	5	5	5	5	4	3	2	1	1	1	1
Emelle	12	15	17	27	25	23	24	20	15	14	14	14	15	15	15	14
Cooper	3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1
Wheelock	1	1	2	2	2	3	3	3	3	3	2	2	1	1	1	1
Covey Canal at Head	50	50	52	46	44	44	44	42	39	39	38	37	38	38	32	27
Covey Canal-Bruner Cr	5	5	5	5	5	4	4	5	5	6	6	6	7	7	7	7
Covey Canal-Spring Cr	2	2	2	2	2	2	2	2	2	3	3	4	4	4	4	4
Tanner, Hunt & Garrett	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Whites Water	9	12	21	20	20	20	20	21	24	25	23	23	26	25	25	24
John Bourne-Collett Cr	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
Stoner-Nichols (So Br)	4	5	4	2	2	3	3	4	4	4	4	5	6	6	6	6
Morgan (South Branch)	2	2	2	2	1	1	0	0	0	0	1	1	1	2	2	2
Cokeville Water-So Br	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1
Tanner 1 (South Br)	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Smiths Fk Canal-So Br	2	2	2	2	1	1	0	0	0	0	0	0	0	0	0	1
South Br 2-Smiths Fork	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Br 1-Smiths Fork	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Igo Star Ditch																
TOTAL WYO. DIVERSIONS	156	158	156	159	154	167	173	182	178	185	177	183	183	188	186	174
IDAHO DIVERSIONS																
Miller Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nuffer Canal	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Sorensen Ditch	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	5
Loyd Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dingle Irrig. Canal	61	60	57	56	55	55	49	46	46	46	47	48	45	44	45	22
Ream Crockett Canal	0	0	0	0	0	0	20	31	10	0	0	0	0	0	0	0
Black Otter Canal	38	37	35	33	30	28	26	25	30	31	31	31	31	32	32	32
Preston Montpelier Ca	40	38	34	30	28	26	20	16	30	32	34	35	37	35	33	32
LaRocco Kent Canal	12	11	10	9	9	8	7	5	2	3	3	3	3	3	5	6
West Fork Canal	10	10	9	9	7	5	2	10	12	13	13	14	14	14	14	14
Pugmire Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL IDAHO DIVERSIONS	163	158	146	138	130	122	124	133	130	125	128	131	130	128	129	111
Rainbow Inlet Ca-Bear L.	43	38	89	94	78	70	68	26	27	28	29	27	32	32	30	37
Bear R bl Stewart Dam	18	17	17	17	16	16	16	15	15	15	18	21	24	23	22	33
Idaho Divertible Flow	224	213	252	249	224	208	208	174	172	168	175	179	186	183	181	181
Wyoming Divertible Flow	156	158	156	159	154	167	173	182	178	185	177	183	183	188	186	174
Total Divertible Flow	380	371	408	408	378	375	381	356	350	353	352	362	369	371	367	355
Wyoming Allocation (43%)	163	160	175	175	163	161	164	153	151	152	151	156	159	160	158	153
Idaho Allocation (57%)	217	211	233	233	215	214	217	203	199	201	201	206	210	211	209	202
Bear R. at Border, Wy.	141	133	120	116	110	95	89	92	98	105	122	99	106	114	120	116

AUGUST 1979	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
WYOMING DIVERSIONS																
BEAR RIVER CANALS																
Garrett	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	28
Wyman East	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wyman West	26	27	29	29	15	0	0	0	0	0	0	0	0	0	0	409
Snyder	19	20	21	15	14	14	14	14	14	14	14	14	14	15	14	394
Rocky Point	0	0	0	0	9	2	3	2	0	0	2	5	8	10	0	101
Cook	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	62
J. R. Richards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
TRIBUTARY CANALS																
Goodell Ca - Pine Cr	5	5	5	5	5	5	5	5	0	0	0	0	0	0	0	124
V. H. Canal - Pine Cr	13	13	13	13	13	13	13	13	0	0	0	0	0	0	0	307
Collett Canal-Pine Cr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grade Creek Canal	3	3	3	3	3	3	3	3	0	0	0	0	0	0	0	71
Diamond C&P - #1 Bruner	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	21
Sublette C at Thompson	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	24
SMITHS FORK CANALS																
Quinn-Bourne	9	9	9	9	9	8	8	8	8	8	8	8	7	2	5	161
Button Flat	6	6	5	5	5	5	5	4	0	0	0	0	0	0	0	137
Progress	2	2	2	3	3	4	4	4	0	0	0	0	0	0	0	67
Emelle	14	14	15	15	15	15	15	15	15	15	15	15	13	0	0	470
Cooper	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	32
Wheelock	1	1	2	2	2	2	2	3	0	0	0	0	0	0	0	46
Covey Canal at Head	23	17	17	17	17	16	15	16	16	16	16	16	16	16	16	911
Covey Canal-Bruner Cr	7	7	8	8	8	8	8	8	0	0	0	0	0	0	0	151
Covey Canal-Spring Cr	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	76
Tanner, Hunt & Garrett	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	31
Whites Water	25	25	26	21	14	14	14	14	14	14	13	13	13	12	8	578
John Bourne-Collett Cr	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
Stoner-Nichols (So Br)	7	8	8	7	3	3	3	3	3	3	4	7	6	6	6	145
Morgan (South Branch)	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	29
Cokeville Water-So Br	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	19
Tanner 1 (South Br)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Smiths Fk Canal-So Br	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	26
South Br 2-Smiths Fork	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Br 1-Smiths Fork	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Igo Star Ditch																
TOTAL WYO. DIVERSIONS	173	170	176	165	147	122	123	122	74	74	76	82	81	65	53	4,462
IDAHO DIVERSIONS																
Miller Ditch	0	0	0	0	0	0	0	3	5	5	6	6	6	6	6	43
Nuffer Canal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Sorensen Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jensen Ditch	7	8	8	8	8	8	8	7	6	6	6	6	6	6	4	107
Loyd Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dingle Irrig. Canal	0	0	0	25	47	13	0	10	15	15	15	16	16	16	16	986
Ream Crockett Canal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61
Black Otter Canal	34	34	34	34	34	35	35	35	35	35	35	35	35	42	49	1,043
Preston Montpelier Ca	38	27	18	18	18	17	19	15	11	11	10	8	8	8	8	734
LaRocco Kent Canal	8	9	10	10	10	10	11	11	11	11	5	0	0	0	0	205
West Fork Canal	14	14	14	14	14	13	12	7	7	5	5	6	5	4	3	307
Pugmire Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL IDAHO DIVERSIONS	101	92	84	109	131	96	85	88	90	88	82	77	76	82	86	3,493
Rainbow Inlet Ca-Bear L.	37	36	36	37	40	39	41	44	40	37	40	46	40	14	17	1,292
Bear R bl Stewart Dam	44	56	68	79	77	75	90	104	110	106	101	102	113	113	97	1,638
Idaho Divertible Flow	182	184	188	225	248	210	216	236	240	231	223	225	229	209	200	6,423
Wyoming Divertible Flow	173	170	176	165	147	122	123	122	74	74	76	82	81	65	53	4,462
Total Divertible Flow	355	354	364	390	395	332	339	358	314	305	299	307	310	274	253	10,885
Wyoming Allocation (43%)	153	152	157	168	170	143	146	154	135	131	129	132	133	118	109	4,684
Idaho Allocation (57%)	202	202	207	222	225	189	193	204	179	174	170	175	177	156	144	6,201
Bear R. at Border, Wy.	112	111	122	127	139	153	147	151	146	146	147	147	144	141	138	3,847

Table 14

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

SEPTEMBER 1979	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	0	0	0	0	0	0	0	0	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	472
Snyder	0	13	13	13	13	9	6	5	7	23	21	22	20	17	18	18	16	16	16	16	17	18	18	18	20	20	22	20	18	18	0	0
Rocky Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cook	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	2	2	51	51
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
V. H. Canal - Pine Cr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Collett Canal-Pine Cr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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 Cr - #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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMITHS FORK CANALS																																
Quinn-Bourne	7	6	5	5	5	3	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Button Flat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	8	8	8	8	8	8	8	8	8	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86
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	382
Covey Canal at Head	16	15	15	14	15	15	14	14	14	14	14	14	13	13	13	13	13	12	12	11	11	11	11	11	11	11	11	11	11	11	0	0
Covey Canal-Bruner 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
Covey Canal-Spring 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
Tanner, Hunt & Garrett	1	1	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	0	0	5	5
Whites Water	9	9	10	11	10	10	10	10	9	9	10	9	14	15	15	15	15	15	15	15	14	14	14	14	14	13	13	13	13	13	372	372
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	0
Stoner-Nichols (So Br)	7	6	6	6	5	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	154	154
Morgan (South Branch)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0
Tanner I (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 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
South Br 1-Smiths Fork	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Igo Star Ditch																																
TOTAL WYO. DIVERSIONS	50	60	59	61	57	50	48	59	45	61	54	50	53	50	53	53	51	50	50	49	50	51	51	50	52	51	53	51	50	50	1,561	1,561
IDAHO DIVERSIONS																																
Miller Ditch	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	6	6	192	192
Nuffer Canal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	9	9	9	9	9	9	9	10	10	88	88
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	16	16	16	16	16	16	16	17	31	30	30	30	30	30	30	30	30	30	30	30	30	37	42	42	42	42	44	44	36	32	881	881
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	36	36	36	36	36	240	240
Black Otter Canal	49	50	50	50	50	50	48	45	43	42	42	42	42	42	41	44	45	45	45	45	45	44	43	41	38	38	37	35	35	35	1,306	1,306
Preston Montpelier Ca	8	8	8	8	8	8	8	8	8	7	7	7	7	7	7	7	9	12	14	17	18	18	18	16	12	11	11	12	12	12	112	112
LaRocco Kent Canal	0	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	7	7
West Fork Canal	2	1	1	2	5	5	5	4	3	7	11	11	10	9	9	9	7	7	8	10	13	18	18	17	14	10	12	14	14	15	269	269
Fugmire 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	81	82	82	83	86	86	84	81	90	92	96	96	95	95	96	95	98	101	104	109	118	133	137	136	128	153	156	157	149	146	3,295	3,295
Rainbow Inlet Ca-Bear L.	34	48	53	51	47	47	51	29	26	23	17	15	18	23	22	22	20	21	21	15	9	8	8	8	9	9	8	8	8	8	686	686
Bear R bl Stewart Dam	99	95	90	86	78	70	66	65	64	63	57	57	57	57	56	56	56	51	47	42	26	21	17	12	12	12	12	12	12	12	1,460	1,460
Idaho Divertible Flow	214	225	225	220	211	203	201	175	180	178	170	168	170	175	174	173	174	173	172	168	153	162	162	156	179	174	176	177	169	166	5,441	5,441
Wyoming Divertible Flow	50	60	59	61	57	50	48	59	44	61	54	50	53	50	53	53	51	50	50	49	50	51	51	50	52	51	53	51	50	50	1,561	1,561
Total Divertible Flow	264	285	284	281	268	253	249	224	224	239	224	218	223	225	227	226	225	223	222	217	203	213	213	206	231	225	229	228	219	216	7,004	7,004
Wyoming Allocation (43%)	114	123	122	121	115	109	107	96	96	103	96	94	96	97	98	97	97	96	95	93	87	92	92	97	99	97	98	98	94	93	3,012	3,012
Idaho Allocation (57%)	150	162	162	160	153	144	142	128	128	136	128	124	127	128	129	129	128	127	127	124	116	121	121	129	132	128	131	130	125	123	3,992	3,992
Bear R. at Border, Wy.	138	128	123	119	119	119	116	114	114	111	114	111	112	110	101	101	95	94	94	94	94	108	99	95	95	102	91	85	85	91	3,172	3,172

Table 15

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

MAY 1980	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
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	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	11	11	11	11	11	11	11	11	26	45	33	28	23	20	19	17	447
Wyman East	16	15	14	13	16	16	17	19	19	19	17	16	14	9	8	9	13	13	10	9	9	9	9	3	2	5	0	0	0	0	0	303
Wyman West	20	20	20	20	20	22	23	23	24	23	22	21	21	19	19	19	20	19	19	19	19	18	0	0	0	0	0	0	0	0	0	449
Snyder	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	130
Rocky Point	5	4	4	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	112
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	0	0	0	0	0	0
J. R. Richards	9	9	9	8	8	9	10	11	12	12	11	11	10	8	7	7	9	8	3	0	0	0	0	0	0	0	0	0	0	0	0	171
TRIBUTARY CANALS																																
Goodell Ca - Pine Cr	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	4	4	4	4	104
V. H. Canal - Pine Cr	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	6	6	7	8	8	9	10	10	11	11	12	13	13	12	208
Collett Canal-Pine Cr	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	3	3	3	3	3	3	2	2	2	2	2	123
Grade Creek Canal	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	248
Diamond C&P - 41 Bruno	0	0	0	0	0	0	0	0	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	1	1	1	1	1	1	1	1	1	1	1	13
Sublette C at Thompson	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	8	8	8	8	7	7	7	7	7	6	6	6	272
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	16	16	16	16	16	80
Button Flat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Progress	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Emelie	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cooper	6	6	6	6	6	7	7	7	7	7	6	5	5	5	5	5	5	5	5	5	5	6	6	6	6	5	4	4	4	4	4	170
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	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	4	4	4	4	3	5	5	5	5	5	78
Covey Canal-Bruner Cr	15	15	15	15	15	14	14	14	14	14	14	14	14	14	14	14	14	14	13	13	13	13	13	13	13	13	13	13	13	13	12	425
Covey Canal-Spring Cr	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	200
Tanner, Hunt & Garrett	1	1	1	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	28
Whites Water	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	112
John Bourne-Collett Cr	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	1	83
Forgeon (Collett Cr)	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	8	8	8	8	7	7	7	7	7	6	6	275
Stonex-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)	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	23
Cokeville Water-So Br	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	3	1	1	1	1	1	1	1	1	1	1	1	31
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	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	10
South Br 2-Smiths Fork	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	6	6	5	5	5	4	4	4	4	214
South Br 1-Smiths Fork	77	72	63	52	60	70	80	70	60	50	41	22	7	2	2	2	2	2	2	2	2	18	20	20	20	20	16	12	9	8	5	890
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	224	218	209	196	205	220	231	226	218	206	191	169	151	138	140	142	148	144	138	136	135	149	129	142	158	145	150	143	137	127	132	5,199
IDAHO DIVERSIONS																																
Miller 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
Muffer 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
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	0	0	0	0	0	0	0	0	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	0	0	0	0	0
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	18	18
Preston Montpelier Co	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LaRocco Kent Canal	0	0	0	0	0	4	5	5	6	8	11	12	12	14	15	14	12	12	16	25	25	26	25	25	24	24	24	24	24	23	22	428
West Fork 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
Fughire Ditch	34	32	34	36	36	37	79	143	158	160	169	161	159	156	153	147	143	138	136	152	158	156	163	169	154	150	150	155	157	179	190	4,044
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	12	12	12	12	11	10	91
TOTAL IDAHO DIVERSIONS	34	32	34	36	36	41	84	148	164	168	180	173	171	170	168	161	155	150	152	177	183	182	189	204	190	186	186	191	193	213	240	4,591
Rainbow Inlet Ca-Bear R.	2580	2600	2640	2710	2740	2740	2790	2770	2820	2870	2920	2950	2940	2890	2790	2720	2680	2660	2660	2620	2560	2500	2510	2480	2420	2370	2380	2160	2070	1880	1770	60,090
Bear R bl Stewart Dam	12	12	13	13	15	15	20	2	3	5	10	15	15	14	13	13	12	11	11	12	13	14	15	15	14	13	12	11	12	13	12	381
Idaho Divertible Flow	2626	2644	2687	2759	2791	2796	2894	2894	2920	2987	3043	3110	3138	3074	2931	2892	2847	2821	2823	2809	2756	2696	2714	2699	2624	2569	2478	2362	2275	2100	2024	65,062
Wyoming Divertible Flow	224	218	209	196	205	220	233	226	218	206	191	169	151	138	140	142	148	144	138	136	135	149	129	142	158	145	150	143	137	127	132	5,199
Total Divertible Flow	2850	2862	2896	2955	2996	3016	3127	3146	3205	3249	3301	3307	3277	3212	3111	3039	2995	2965	2961	2945	2891	2845	2843	2841	2782	2714	2628	2505	2412	2227	2156	70,261
Wyoming Allocation (43%)	"Water Emergency" not in effect in May (See "Total divertible flow"																															
Idaho Allocation (57%)	and Bear R. at border flow.)																															
Bear R. at Border, Wy	2260	2350	2380	2350	2350	2420	2530	2580	2670	2680	2670	2610	2580	2450	2330	2290	2350	2350	2300	2250	2220	2180	2100	2020	1990	1900	1770	1670	1510	1440	1380	68,920

Table 16

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

JUNE 1980	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
WYOMING DIVERSIONS																																
BEAR RIVER CANALS																																
Garrett																																693
Sights	16	17	21	23	24	25	25	26	26	26	26	26	28	27	26	24	22	22	22	25	26	25	26	23	25	21	18	17	17	18		410
Wyman East	0	0	0	0	0	0	0	0	12	21	21	21	21	21	21	20	20	20	20	20	20	19	19	19	18	17	16	15	15	14		818
Wyman West	0	0	0	0	0	0	0	0	36	58	59	60	60	60	60	61	60	60	20	0	0	0	0	0	0	0	36	63	63	62		968
Snyder	3	3	3	3	3	4	4	4	4	47	47	47	48	48	49	49	47	47	47	24	46	45	44	42	39	39	40	48	47	46		539
Rocky Point	3	3	3	3	3	3	3	3	2	2	2	3	3	13	24	24	23	22	23	23	22	22	22	20	18	14	11	7	8	7		1,381
Cook	0	0	0	0	0	27	70	66	61	60	62	63	63	63	62	60	59	58	58	58	57	56	56	55	58	47	40	37	39	46		116
J. R. Richards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	10	10	11	11	11	10	9	8	11	12		
TRIBUTARY CANALS																																
Goodell Ca. - Pine Cr.	4	4	4	4	5	4	4	3	2	2	2	3	4	4	5	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7		157
V. H. Canal - Pine Cr	14	15	16	16	17	17	17	17	17	17	17	17	17	17	16	16	16	16	16	16	15	15	15	15	15	15	15	15	16	14		475
Collett Canal-Pine Cr	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
Grade Creek Canal	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	7	7	6	6	7	7	7	8	8	8	8	8	8	8	8		226
Diamond C&P - #1 Bruno	0	0	0	0	0	0	0	0	0	0	1	2	3	4	5	6	7	8	9	9	8	7	7	6	5	5	5	5	5	5		112
Haggerty West-Bruner	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2		20
Sublette C at Thompson	6	6	5	5	5	5	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2		99
SMITHS FORK CANALS																																
Quinn-Bourne	16	18	16	16	19	18	16	16	16	16	13	11	10	8	6	6	4	5	5	5	9	18	17	15	15	16	15	14	13	13		385
Button Flat	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	3	3	3	4	4	3	3	3	4	4	4	5	5	6	6		68
Progress	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	8	8	8	8	7	6	5	4	3		69
Emmile	0	0	0	0	0	0	0	0	0	0	0	2	5	6	4	4	8	9	9	9	8	8	14	18	19	29	19	27	15	35		296
Cooper	4	4	4	4	4	4	4	4	4	4	5	5	5	4	4	4	3	3	3	6	13	11	10	9	8	7	6	5	4	4		159
Wheelock	0	0	0	0	0	0	0	0	0	1	0	4	8	8	8	8	8	8	8	8	7	7	6	6	5	5	5	5	4	4		123
Covey Canal At Head	9	9	9	9	9	9	9	9	10	29	37	41	50	56	61	69	91	102	109	105	104	104	102	116	127	145	127	120	123			1,913
Covey Canal-Bruner Cr	12	12	12	12	12	12	12	12	12	12	11	10	9	8	8	7	6	5	4	4	4	4	4	4	4	4	4	4	4	4		232
Covey Canal-Spring Cr	7	7	7	7	7	7	7	6	6	6	6	5	5	5	5	4	4	4	4	4	4	4	5	5	5	5	6	6	7	7		166
Tanner, Hunt & Garrett	0	0	1	0	0	0	0	0	0	1	1	1	1	5	4	4	6	9	10	10	10	9	8	7	5	4	3	3	3	3		108
Whites Water	6	6	6	6	6	6	6	6	18	29	44	38	40	41	38	36	49	49	47	45	44	41	44	48	47	46	44	42	42	40		960
John Bourne-Collett Cr	1	1	1	1	1	2	3	4	5	6	7	7	8	8	8	9	9	10	10	9	9	8	8	7	7	6	6	5	5	5		176
Porgson (Collett Cr)	6	6	5	5	5	5	5	5	5	6	6	6	7	8	8	9	10	10	11	11	10	10	10	9	9	9	8	8	8	7		227
Stoner-Nichols (So Br)	18	18	18	18	18	18	18	19	18	19	19	20	20	20	19	17	17	18	18	18	18	17	17	19	18	17	15	15	14	14		532
Morgan (South Branch)	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	3	3	4	5	4	4	4	4	4	4	4	3	3	3	3		61
Cokeville Water-So Br	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2		42
Tanner 1 (South Br)	0	0	0	0	0	2	3	5	6	8	9	9	8	8	8	7	7	7	6	7	7	7	7	8	8	9	8	7	7	6		176
Smiths Fk Canal-So Br	0	0	0	0	0	0	0	0	0	0	5	10	10	10	9	9	9	8	8	8	7	7	6	6	5	5	2	6	6	6		145
South Br 2-Smiths Fork	3	3	3	3	2	2	2	2	2	2	2	1	1	2	3	3	4	4	5	5	5	5	5	5	6	5	4	4	5	4		100
South Br 1-Smiths Fork	8	8	8	8	8	7	3	2	2	11	7	20	25	12	8	6	5	7	6	6	6	5	28	35	33	30	27	26	25	25		406
Igo Star Ditch																																
TOTAL WYO. DIVERSIONS	147	151	153	154	159	188	225	223	277	378	414	442	465	474	480	478	496	525	503	480	509	497	529	532	538	529	566	563	555	558		12,188
IDAHO DIVERSIONS																																
Miller Ditch	0	0	0	0	0	0	0	0	0	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	8	6	6	6		194
Nuffer Canal	0	0	0	0	0	0	0	0	11	26	26	28	28	28	28	28	27	27	26	26	26	26	26	25	24	23	21	19	19	18		534
Sorensen Ditch	0	0	0	0	0	0	0	0	0	10	18	18	18	18	10	0	0	0	0	0	0	0	0	10	14	13	12	11	10	10		172
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
Loyd Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	13	13	13	12	13	13	13	13	13	13	12	12	12	12		188
Dingle Irrig. Canal	0	0	0	0	0	0	0	0	0	0	0	15	54	64	61	55	50	41	37	35	51	50	49	49	48	47	44	42	38	37		867
Ream Crockett Canal	37	36	37	38	38	38	38	38	38	50	59	74	74	74	74	74	73	72	70	65	64	63	63	62	60	57	53	50	45	44		1,658
Black Otter Canal	0	0	0	0	0	51	78	77	72	66	63	153	222	215	214	209	203	201	195	188	186	185	184	175	172	169	156	145	141	141		3,860
Preston Montpelier Ca	22	23	23	23	24	24	24	24	23	25	33	0	0	0	0	24	10	35	37	38	40	40	40	39	38	40	40	37	36	36		882
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
West Fork Canal	179	170	182	190	178	175	178	181	172	162	156	156	154	155	156	146	145	153	157	163	223	188	173	168	159	156	136	200	173	167		5,051
Pugmire Ditch	8	8	9	9	10	11	12	13	13	13	10	9	7	6	6	6	5	5	5	5	7	7	7	7	7	9	10	12	13	13		264
TOTAL IDAHO DIVERSIONS	246	237	251	260	250	299	330	333	330	361	366	482	589	582	581	562	557	557	550	544	620	583	565	558	545	536	492	534	492	484		13,686
Rainbow Inlet Ca-Bear L	1700	1660	1720	1830	1930	1910	1880	1840	1790	1710	1680	1690	1610	1590	1590	1570	1510	1420	1340	1220	1150	1120	1080	1040	918	896	532	642	563	511		41,662
Bear R bl Stewart Dam	12	34	54	58	60	58	58	57	55	53	52	51	49	49	49	49	48	50	51	52	62	60	54	52	50	46	37	37	34	33		1,464
Idaho Divertible Flow	1958	1931	2025	2148	2240	2267	2268	2230	2115	2136	2098	2223	2248	2231	2220	2181	2115	2027	1941	1816	1832	1763	1699	1650	1533	1478	1061	1211	1089	1028		56,812
Wyoming Divertible Flow	147	151	153	154	159	188	225	223	277	378	414	442	465	474	480	478	496	525	503	480	509	497	529	532	538	529	566	563	555	558		12,188
Total Divertible Flow	2105	2082	2178	2302	2399	2455	2493	2453	2452	2502	2512	2665	2713	2705	2700	2659	2611	2552	2444	2296	2341	2260	2228	2182	2071	2007	1627	1776	1644	1586		69,000
Wyoming Allocation (43%)	"Water Emergency" not in effect in June (See "Total divertible flow"																															
Idaho Allocation (57%)	and Bear R. at border flow																															
Bear R. at Border, Wy.	1330	1350	1570	1640	1660	1680	1660	1630	1590	1560	1610	1630	1630	1610	1550	1520	1480	1420	1390	1370	1320	1280	1260	1160	1110	952	823	754	733	704		40,986

Table 17

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

JULY 1980	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
WYOMING DIVERSIONS																																
BEAR RIVER CANALS																																
Garrett																																
Sighes	25	29	32	33	36	47	24	15	15	14	13	13	13	5	0	0	0	0	2	3	3	2	2	3	3	3	3	5	5	7	5	360
Wyman East	14	15	15	15	15	17	16	16	16	16	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	160
Wyman West	62	63	64	64	64	69	66	65	64	64	64	63	61	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	853
Snyder	47	49	51	52	53	61	57	55	54	24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	522
Rocky Point	8	10	11	11	11	16	13	11	11	10	10	9	9	14	15	13	10	10	8	9	8	7	7	8	12	11	9	4	3	4	3	295
Cook	46	48	48	41	42	49	44	43	42	41	40	38	35	35	37	35	12	2	2	2	2	2	2	2	2	2	2	2	3	10	9	728
J. R. Richards	13	13	14	14	14	15	15	15	10	9	8	8	7	7	7	7	6	6	6	6	6	6	6	6	1	0	0	0	0	0	0	225
TRIBUTARY CANALS																																
Goodell Ca. - Pine Cr.	7	8	7	7	7	7	7	7	6	6	7	8	8	8	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	234
V. H. Canal - Pine Cr	14	14	14	14	14	14	14	13	13	13	13	13	13	14	14	14	14	15	15	15	16	16	17	17	16	16	15	15	14	14	14	447
Collett Canal-Pine Cr	1	1	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	19
Grade Creek Canal	8	8	8	8	7	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	199
Diamond C&P - #1 Brunn	5	5	4	4	3	3	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	38
Haggerty West-Brunner	2	2	2	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	42
Sublette C at Thompson	2	3	3	2	2	2	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	51
SMITHS FORK CANALS																																
Quinn-Bourne	13	12	12	11	10	10	10	9	9	8	8	8	8	8	7	7	6	6	6	5	5	5	4	4	4	4	3	3	3	2	2	212
Button Flat	7	7	7	7	6	6	6	6	5	5	5	5	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	131
Progress	2	1	1	1	1	1	1	0	0	0	1	2	2	3	4	6	6	5	5	6	6	6	7	7	7	7	7	7	7	8	8	121
Emelie	6	14	22	28	23	21	21	21	20	19	18	13	10	10	9	9	7	7	7	7	7	6	6	6	6	5	5	7	7	8	8	421
Cooper	4	4	4	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	56
Wheelock	4	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2	2	2	2	2	79
Covey Canal at Head	130	120	124	113	102	100	100	98	88	87	86	84	83	82	92	100	102	99	99	98	94	91	96	99	86	82	82	74	54	52	52	2,849
Covey Canal-Bruner Cr	4	4	4	5	6	6	7	7	8	8	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	212
Covey Canal-Spring Cr	8	8	7	7	6	6	5	4	4	3	3	4	4	5	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	161
Tanner, Hunt & Garrett	4	4	6	6	6	5	4	4	4	3	3	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	75
Whites Water	43	42	39	39	39	37	36	36	36	35	34	34	23	15	16	16	15	17	20	19	19	18	18	17	17	16	18	22	25	23	23	807
John Bourne-Collett Cr	5	5	6	7	7	8	9	10	11	12	11	10	9	8	7	6	5	5	5	4	4	4	4	3	4	5	6	6	7	8	8	209
Forgeon (Collett Cr)	7	7	6	6	5	5	4	3	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	2	4	4	86
Stoner-Nichols (So Br)	15	14	13	12	12	11	10	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	5	10	11	8	8	9	10	169
Morgan (South Branch)	2	2	2	3	3	3	3	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	97
Cokeville Water-So Br	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	2	2	2	1	1	0	0	0	1	1	1	1	1	39
Tanner 1 (South Br)	5	4	4	4	4	4	4	4	4	4	4	4	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	75
Smiths Fk Canal-So Br	6	6	6	5	4	3	3	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	71
South Br 2-Smiths Fork	3	3	3	3	3	3	3	2	2	2	3	3	4	4	4	5	5	5	5	5	4	4	4	3	3	3	3	3	3	3	3	106
South Br 1-Smiths Fork	26	25	24	23	22	21	20	20	19	18	12	11	11	11	11	11	11	11	11	10	10	10	10	10	10	10	10	10	9	9	9	435
Igo Star Ditch																																
TOTAL WYO. DIVERSIONS	579	574	578	554	536	567	521	495	467	425	379	365	343	290	272	275	248	239	238	236	233	226	232	234	222	220	220	210	199	203	199	10,579
IDAHO DIVERSIONS																																
Miller Ditch	6	6	7	7	7	7	8	8	7	6	6	5	4	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	140
Hoffer Canal	18	18	19	18	18	18	19	18	16	15	14	14	13	12	12	12	12	11	10	10	9	9	9	9	9	9	9	8	8	8	8	389
Sorensen Ditch	10	10	11	11	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	6	0	0	0	0	0	0	0	0	0	0	191
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	12	12	12	12	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	58
Dingle Irrig. Canal	37	38	39	40	41	41	41	42	42	40	49	51	51	48	49	51	44	40	35	29	46	49	48	48	53	60	60	59	59	61	47	1,434
Beam Crockett Canal	42	42	42	42	42	43	43	44	41	40	41	42	42	45	51	55	54	53	52	52	52	50	51	51	57	61	62	0	0	0	0	1,252
Black Otter Canal	144	146	150	152	150	152	162	164	157	151	149	146	143	136	53	43	43	41	42	41	39	39	39	39	39	39	39	39	39	39	39	2,797
Preston Montpelier Ca	40	40	43	29	5	5	18	34	33	32	32	31	30	29	26	26	28	24	26	26	27	31	30	30	28	26	25	26	21	20	20	846
Lifeguard Kent Canal	0	0	0	0	0	0	0	0	0	0	0	10	12	12	12	10	7	7	7	6	6	6	6	9	12	13	12	13	11	11	10	193
West Fork Canal	163	164	86	9	9	9	9	8	8	7	7	7	6	6	6	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	575
Pugmire Ditch	13	13	12	12	11	11	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	82
TOTAL IDAHO DIVERSIONS	485	489	419	332	303	296	318	324	315	301	306	314	310	300	221	216	202	195	189	181	193	192	190	193	206	215	174	148	145	146	141	7,959
Rainbow Inlet Co-Bear L.	905	543	603	725	776	812	933	918	885	826	791	756	715	644	624	734	690	652	622	573	521	438	437	432	410	383	366	369	331	292	295	18,601
Bear R bl Stewart Dam	32	32	36	36	32	30	32	30	26	26	26	25	25	56	74	79	45	44	39	45	50	51	56	55	53	50	49	49	42	30	34	1,288
Idaho Divertible Flow	1022	1064	1058	1093	1116	1138	1283	1272	1226	1153	1123	1095	1050	1000	919	1029	937	891	850	799	764	681	683	680	669	648	589	566	518	468	470	27,848
Wyoming Divertible Flow	579	574	578	554	536	567	521	495	467	425	379	365	343	290	272	275	248	239	238	236	233	226	232	234	222	220	220	210	199	203	199	10,579
Total Divertible Flow	1601	1638	1636	1647	1652	1705	1804	1767	1693	1578	1502	1460	1393	1290	1191	1304	1185	1130	1088	1035	997	907	915	914	891	868	809	776	717	671	669	38,427
Wyoming Allocation (43%)	"Water Emergency" Began July 26 (See "Total Divertible Flow" and Bear R. at Border Flow.)																									373	348	334	308	289	288	
Idaho Allocation (57%)																										495	461	442	409	382	381	
Bear River at Border, Wy	725	769	818	818	833	1010	924	872	849	830	818	780	715	694	743	697	632	612	558	574	539	507	507	478	443	419	394	348	329	317	305	19,857

Table 18

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

AUGUST 1980	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
WYOMING DIVERSIONS																																
BEAR RIVER CANALS																																
Garrett																																
Sights	5	6	7	6	8	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
Wyman East	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	9	9	9	9	9	8	8	9	82
Wyman West	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	48	47	46	47	47	46	46	46	46	451
Snyder	0	27	27	27	28	28	28	27	27	27	26	26	26	26	25	27	28	27	28	29	28	24	22	21	20	22	21	21	21	21	21	756
Rocky Point	0	3	6	5	4	4	9	6	2	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	47
Cook	9	9	9	9	9	9	10	5	9	9	9	9	9	9	9	10	10	10	10	10	10	9	12	17	17	20	20	20	22	25	26	384
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	8	8	8	8	8	8	8	8	8	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	241
V. H. Canal - Pine Cr	14	14	14	14	14	14	13	12	11	10	9	8	9	9	10	10	11	12	12	12	11	11	10	9	9	8	8	7	7	7	7	326
Collett Canal-Pine Cr	0	0	0	0	0	0	1	1	1	2	2	3	2	2	2	1	1	1	0	1	1	1	1	2	2	2	2	2	2	2	2	39
Grade Creek Canal	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	127
Diamond C&P - #1 Bruner	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	31
Haggerty West-Bruner	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	62
Sublette C at Thompson	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	31
SMITHS FORK CANALS																																
Quinn-Bourne	2	2	4	5	4	4	3	2	3	4	3	2	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	2	3	2	1	57
Button Flat	4	4	4	4	4	4	3	3	3	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	97
Progress	9	10	10	11	11	12	10	8	6	4	2	0	0	0	0	0	0	0	0	0	1	2	2	3	4	4	5	4	4	4	3	129
Emelle	8	7	7	7	7	8	8	7	7	13	16	16	15	15	16	15	11	10	10	10	10	10	10	10	10	10	10	10	9	9	9	320
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	2	2	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	102
Covey Canal at Head	40	24	23	22	25	33	32	32	31	31	31	32	34	34	35	37	37	37	20	11	13	12	11	11	11	11	12	12	6	1	1	703
Covey Canal-Bruner Cr	6	6	6	6	6	6	6	6	5	5	5	5	5	6	7	7	8	9	9	9	9	9	9	8	8	8	8	8	8	8	8	219
Covey Canal-Spring Cr	5	6	6	6	6	6	6	5	5	5	4	4	4	5	5	6	6	6	7	7	6	6	6	6	6	5	5	5	5	5	5	170
Tanner, Hunt & Garrett	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	0	0	6
Whites Water	24	27	25	28	33	26	26	26	25	25	24	24	24	23	22	23	23	22	22	22	22	21	21	21	21	21	21	21	22	23	23	731
John Bourne-Collett Cr	7	7	7	6	6	6	6	6	5	5	5	5	5	4	4	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	90
Forgeon (Collett Cr)	4	5	5	5	5	6	5	4	4	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	63
Stoner-Nichols (So Br)	9	10	10	8	7	8	8	8	6	5	5	5	6	5	2	3	3	3	3	4	4	5	7	8	8	9	9	9	10	10	12	209
Morgan (South Branch)	3	4	4	4	4	5	4	4	4	3	3	3	3	3	4	4	5	5	6	3	5	4	4	3	3	2	2	2	1	1	1	106
Cokeville Water-So Br	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	3	3	2	2	2	1	1	2	1	0	0	0	0	0	22
Tanner I (South Br)	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	0	0	0	0	4
Smiths Fk Canal-So Br	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	0	0	0	5
South Br 2-Smiths Fork	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
South Br 1-Smiths Fork	13	26	26	25	25	20	19	19	18	18	17	17	16	13	11	8	5	3	0	2	3	5	6	8	10	11	13	13	13	13	13	409
Igo Star Ditch																																
TOTAL WYO. DIVERSIONS	187	223	226	224	231	225	220	209	195	193	186	184	183	179	178	181	177	174	154	146	149	179	202	207	208	211	213	211	207	207	209	6,078
IDAHO DIVERSIONS																																
Miller Ditch	3	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	9	9	9	8	8	8	8	8	8	8	9	108
Nuffer Canal	5	0	0	0	0	0	0	0	0	0	0	0	0	6	13	14	15	15	15	15	15	15	14	13	12	12	11	10	14	15	15	244
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	44	43	42	42	39	39	40	45	44	44	44	44	59	68	69	69	70	48	14	14	15	13	13	13	12	12	10	10	18	24	22	1,083
Ream Crockett Canal	0	0	0	0	0	0	0	0	0	0	0	0	24	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40
Black Otter Canal	38	37	37	36	35	34	33	34	34	34	34	34	34	35	35	36	36	35	35	35	35	35	35	34	33	32	32	32	32	32	32	1,065
Preston Montpelier Ca	50	54	54	57	54	52	49	50	48	41	41	40	37	38	52	41	38	40	41	39	26	17	17	16	15	15	19	21	21	20	19	1,112
LaRocco Kent Canal	12	14	13	13	11	10	10	10	8	9	9	9	8	8	10	11	12	12	13	14	15	9	0	0	0	0	0	0	1	1	1	243
West Fork Canal	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	4	4	4	4	129
Pugmire Ditch	0	0	0	0	0	0	0	0	0	0	0	0	10	10	11	11	10	10	10	10	10	10	9	7	6	6	6	6	6	6	6	160
TOTAL IDAHO DIVERSIONS	156	155	153	154	143	139	136	143	138	132	132	131	176	185	184	186	185	164	132	136	129	112	102	96	91	90	91	91	104	110	108	4,184
Rainbow Inlet Ca-Bear L.	249	232	216	214	206	188	190	198	193	193	182	181	172	159	172	180	186	188	189	198	238	250	225	194	180	167	162	164	163	152	144	5,925
Bear R bl Stewart Dam	34	31	30	34	36	32	31	34	31	29	29	35	34	35	35	35	36	37	37	37	37	39	38	37	37	36	36	36	35	34	34	1,090
Idaho Divertible Flow	438	418	399	402	385	359	357	375	362	354	343	347	382	379	391	401	407	389	358	371	404	401	365	327	308	293	289	291	302	296	286	11,179
Wyoming Divertible Flow	187	223	226	224	231	225	220	209	195	193	186	184	183	179	178	181	177	174	154	146	149	179	202	207	208	211	213	211	207	207	209	6,078
Total Divertible Flow	625	641	625	626	616	584	572	584	557	547	529	531	565	558	569	582	584	563	512	517	553	580	567	534	516	504	502	502	509	503	495	17,257
Wyoming Allocation (43%)	269	276	269	269	265	251	248	251	240	235	227	228	243	240	245	250	251	242	220	222	238	249	244	230	222	217	216	216	219	216	213	7,421
Idaho Allocation (57%)	356	365	356	357	351	333	329	333	317	312	302	303	322	318	324	332	333	321	292	295	315	331	323	304	294	287	286	286	290	287	282	9,836
Bear R. at Border, Wy.	269	269	279	269	250	247	274	255	245	243	238	236	234	232	224	255	269	255	257	276	262	231	194	176	172	180	183	178	176	172	174	7,187

Table 19

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

SEPTEMBER 1980	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
WYOMING DIVERSIONS																																
BEAR RIVER CANALS																																
Garrett											4	4	4	4	4	4	4	4	4	4	4	3	3	3	2	2	2	3	2	3		116
Sights	4	6	6	5	5	5	5	4	4	4	8	9	8	8	8	8	8	6	3	2	2	1	1	0	0	0	0	0	0	0		150
Wyman East	9	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		218
Wyman West	46	46	46	45	35	0	0	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	22	21	22	23	21	22	22	23	23	24	25	26	24	23	22	22	22	22	22	22	22	22	22	22	21	20	17	2	2	2		602
Rocky Point	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	0	0		5
Cook	27	27	28	27	26	28	27	27	28	28	29	32	29	27	26	25	26	27	27	26	26	26	26	16	1	1	1	1	11	13		669
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
TRIBUTARY CANALS																																
Goodwill Ca - Pine Cr	8	8	8	8	8	7	7	7	7	7	7	7	7	2	2	2	2	2	3	4	4	5	6	6	6	5	4	4	3	3		159
V. H. Canal - Pine Cr	7	7	7	8	8	9	10	11	11	11	11	11	11	15	15	15	15	15	14	14	13	13	12	12	11	11	11	11	11	11		341
Collett Canal-Pine Cr	2	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1		43
Grade Creek Canal	3	3	3	3	3	3	3	3	3	2	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0		37
Diamond Clp - #1 Bruner	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
Haggerty West-Bruner	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	0	0	0	0		2
Subletts C at Thompson	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	2	2	2		39
SMITHS FORK CANALS																																
Quinn-Bourne	1	0	0	0	0	1	1	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		9
Button Flat	4	4	4	4	4	4	3	3	3	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1		62
Progress	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	0	0	0	0	0		13
Emelie	8	6	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0		35
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
Wheelock	3	3	3	3	2	2	2	2	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0		30
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		30
Covey Canal-Bruner Cr	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9		244
Covey Canal-Spring Cr	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6		154
Tanner, Hunt & Garrett	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Whites Water	19	17	17	15	11	15	15	16	15	16	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		164
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
Pargeon (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
Stoner-Nichols (So Br)	14	11	13	15	17	15	15	15	16	10	13	15	15	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		197
Morgan (South Branch)	1	1	1	1	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		13
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
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
Smiths FK Canal-So Br	0	0	0	0	0	0	1	1	1	2	3	4	5	6	7	8	9	10	10	10	10	11	11	11	11	11	11	10	10	10		183
South Br 2-Smiths Fork	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
South Br 1-Smiths Fork	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Igo Star Ditch																																
TOTAL WYO. DIVERSIONS	197	192	190	190	169	139	138	139	139	136	131	131	125	116	105	105	102	104	101	100	100	103	103	92	75	72	69	54	62	66		3,545
IDAHO DIVERSIONS																																
Miller Ditch	9	9	9	9	8	8	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8	8		266
Huffer Canal	16	16	16	16	16	16	16	17	17	17	17	18	18	18	17	17	17	17	17	17	17	16	16	16	17	17	17	17	17	16		502
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	3	4	4	4	4		19
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
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
Dingle Irrig. Canal	20	21	21	21	22	23	24	25	25	25	25	27	28	27	26	25	25	25	26	25	24	24	24	24	24	24	23	24	23	24		725
Beam Crockett Canal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	4	4	4	4	4	4	4	4	4		41
Black Otter Canal	32	32	32	32	32	32	33	33	33	33	33	33	34	34	33	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32		972
Preston Montpelier Ca	15	11	12	12	12	12	11	11	11	11	11	11	11	11	11	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		325
LaMocco Kent Canal	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	9	9	8	7		51
West Fork Canal	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2		84
Pugmire Ditch	6	6	8	9	9	9	9	9	9	9	9	9	9	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		114
TOTAL IDAHO DIVERSIONS	103	102	103	103	103	104	105	107	107	107	107	111	112	106	99	96	96	96	97	97	99	97	97	97	101	110	111	111	109	106		3,099
Rainbow Inlet Ca-Bear L.	146	157	163	169	166	166	168	161	166	171	182	196	213	209	189	187	181	181	188	180	169	165	151	139	139	148	145	143	147	186		5,072
Bear R bl Stewart Dam	34	35	37	39	32	32	34	37	40	46	50	37	36	36	35	35	35	35	35	35	36	36	35	35	34	35	35	35	35	35		1,086
Idaho Divertible Flow	283	294	303	313	301	302	307	307	313	324	339	349	361	350	323	318	312	312	320	312	304	298	283	271	274	293	291	289	291	327		9,257
Wyoming Divertible Flow	197	192	190	190	169	139	138	139	139	136	131	131	125	116	105	105	102	104	101	100	100	103	103	92	75	72	69	54	62	66		3,555
Total Divertible Flow	480	486	493	503	470	441	445	446	452	460	470	475	486	466	428	423	414	416	421	412	404	401	386	363	349	365	360	343	353	393		12,812
Wyoming Allocation (43%)	206	209	212	215	202	199	191	192	194	198	202	206	209	200	184	182	178	179	181	177	174	172	166	156	150	157	155	147	152	169		5,503
Idaho Allocation (57%)	274	277	281	286	268	251	254	254	258	262	268	271	277	266	244	241	236	237	240	235	230	229	220	207	199	208	205	196	201	224		7,299
Bear R. at Border, Wy.	178	189	187	184	176	189	180	181	180	185	194	215	199	183	176	174	174	179	174	172	171	169	167	162	174	176	178	180	181	183		5,303

Table 20

GILCHRIST & CO., CPAs
A PROFESSIONAL CORPORATION

Bear River Commission
300 Empire Building
231 East 400 South
Salt Lake City, Utah 84111

We have examined the statements of revenue and expenditures and cash balance of the Bear River Commission for the years ended September 30, 1980 and 1979. Our examination was made in accordance with generally accepted auditing standards, and accordingly, included such tests of the accounting records as we considered necessary in the circumstances.

As described in note-1, the Company's policy is to prepare its financial statements on the basis of cash received and disbursed; consequently, certain revenue and the related assets are recognized when received rather than when earned, and certain expenses are recognized when paid rather than when the obligation is incurred. Accordingly, the accompanying financial statements are not intended to present financial position and results of operations in conformity with generally accepted accounting principles.

In our opinion the accompanying statements of revenue and expenditures and cash balance present fairly the cash transactions of the Bear River Commission for the years ended September 30, 1980 and 1979 on the basis of accounting described in note-1, which basis has been applied in a manner consistent with that of the preceding year.

Gilchrist & Co CPAs

December 5, 1980
Salt Lake City, Utah

435 EAST SECOND SOUTH • SUITE 4 • SALT LAKE CITY, UTAH 84111

BEAR RIVER COMMISSION
Statements of Revenue and Expenditures and Cash Balance

	Year Ended September 30, 1980	Year Ended September 30, 1979
REVENUE		
Assessments		
State of Idaho	$ 22,000	$ 20,000
State of Utah	22,000	20,000
State of Wyoming	22,000	20,000
Total	66,000	60,000
Interest income	12,465	2,158
Total revenue	78,465	62,158
EXPENDITURES		
Commission's portion of direct expenses of the stream gaging programming (note-2)		
Personal services	31,675	39,889
Travel and subsistence	2,701	3,300
Fiscal and administration	2,038	2,464
Washington office service	4,077	4,928
Rental	2,533	1,800
Digital recorders	964	1,170
Office, supplies, miscellaneous	1,312	1,209
Total	45,300	54,760
Administrative expenses		
Legal fees	314	926
Auditing fees	355	330
Annual report	968	862
Surety bond	50	50
Other	562	232
Total	2,249	2,400
Total expenditures	47,549	57,160
EXCESS (DEFICIT) OF REVENUE OVER EXPENDITURES	30,916	4,998
Funds available at the beginning of the period	17,182	12,184
Funds available at the end of the period	$ 48,098	$ 17,182
CASH BALANCE		
On hand or in bank	$ 11,302	$ 386
Time certificates of deposit	36,796	16,796
	$ 48,098	$ 17,182

The accompanying notes are an integral part of these financial statements.

GILCHRIST & CO., CPAs

BEAR RIVER COMMISSION
Comparison of Budgeted Revenue and Expenses to Actual
For Year Ended September 30, 1980

	Expected Revenue and Expenditures As Budgeted (Unaudited)	Actual Revenue and Expenditures	Increase (Decrease)
REVENUE			
Assessments			
State of Idaho	$ 22,000	$ 22,000	$ -0-
State of Utah	22,000	22,000	-0-
State of Wyoming	22,000	22,000	-0-
Total	66,000	66,000	-0-
Interest income	-0-	12,465	12,465
Total revenue	66,000	78,465	12,465
EXPENDITURES			
Commission's portion of direct expense of the stream gaging program (note-2)			
Personal service	31,675	31,675	-0-
Travel and subsistence	2,701	2,701	-0-
Fiscal and administration	2,038	2,038	-0-
Washington office service	4,077	4,077	-0-
Rental	2,533	2,533	-0-
Digital recorders	964	964	-0-
Office, supplies, miscellaneous	1,312	1,312	-0-
Total	45,300	45,300	-0-
Administrative expenses			
Legal fees	500	314	(186)
Auditing fees	300	355	55
Transcription of minutes	200	-0-	(200)
Annual reports	-0-	968	968
Surety bond	50	50	-0-
Other	60	562	502
Total	1,110	2,249	1,139
Total expenditures	46,410	47,549	1,139
EXCESS (DEFICIT) OF REVENUE OVER EXPENDITURES	$ 19,590	$ 30,916	$ 11,326

The accompanying notes are an integral part of these financial statements.

GILCHRIST & CO., CPAs

BEAR RIVER COMMISSION
Notes To Financial Statements
Year Ended September 30, 1980

Note-1 ACCOUNTING POLICY

As in the case of many organizations of this type, the accounts are maintained, and the statements of revenue and expenditures are presented, on a cash basis, reflecting only cash received and disbursed. Therefore, receivables and payables, accrued income and expenses which may be material in amount are not reflected and these statements are not intended to present the overall financial position or results of operations in conformity with generally accepted accounting principles.

Note-2 BEAR RIVER COMPACT

The Bear River Compact is a tri-state agreement between Wyoming, Idaho and Utah for the utilization and development of the waters of the Bear River. The Commission was organized April 5, 1958 and the by-laws were adopted April 26, 1958. The Commission is the administrative agency which carries out the provisions of the Bear River Compact. Three Commissioners from each of the three represented states, plus one non-voting Commissioner representing the United States, constitutes the ten member Commission. The United States representative acts as Chairman. All expenses of the Commission are shared by the three states on an equal basis.

The Commission enters into an annual agreement with the United States Geological Survey, Department of the Interior, for the operations and maintenance of gaging stations. Expenses for the gaging station program are shared equally by the Commission and the Geological Survey. Other expenses attributable to the Commission are paid by the Commission whether the expenses are incurred by the Geological Survey or the Salt Lake City office. The following table is a summary of expenditures paid by the Commission and the United States Geological Survey for the years ended September 30, 1979 and 1980:

Note-2 BEAR RIVER COMPACT (continued)

	Total	U.S. Geological Service	Bear River Commission
For the year ended September 30, 1979:			
Personal services	$70,490	$30,601	$39,889
Travel and subsistence	6,400	3,100	3,300
Fiscal and administration	4,422	1,958	2,464
Washington office service	8,844	3,916	4,928
Rental	3,600	1,800	1,800
Digital recorders	2,340	1,170	1,170
Office, supplies, miscellaneous	2,164	955	1,209
	$98,260	$43,500	$54,760
For the year ended September 30, 1980:			
Personal services	$56,105	$24,430	$31,675
Travel and subsistence	5,202	2,501	2,701
Fiscal and administration	3,671	1,633	2,038
Washington office service	7,344	3,267	4,077
Rental	5,066	2,533	2,533
Digital recorders	1,928	964	964
Office, supplies, miscellaneous	2,284	972	1,312
	$81,600	$36,300	$45,300

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 1979 and 1980 water years.

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.

In addition to the records described above, the following tabulation of 1979 and 1980 water-year observations is included for Whitney, Sulphur Creek, and Woodruff Creek Reservoirs. The observations include the date and total content of each reservoir as computed from observed gage readings. Similar information was first published in the 1977 report for all years of record through 1977 and in the 1978 report.

SULPHUR CREEK RESERVOIR

Date	Contents Ac-ft
10-24-78	3,130
04-10-79	5,700
05-16-79	6,730
06-26-79	7,020
08-01-79	4,400
09-06-79	3,080
10-11-79	2,290
11-21-79	2,400
04-17-80	2,330
04-29-80	7,100
06-04-80	6,970
06-17-80	6,800
07-23-80	6,730
08-26-80	3,950
10-06-80	2,620

(Spillway Crest 7,088)

WOODRUFF CREEK RESERVOIR

Date	Contents Ac-ft
10-26-78	811
04-11-79	3,129
05-14-79	3,980
05-25-79	3,960
06-25-79	2,535
07-30-79	450
09-04-79	540
10-09-79	442
11-20-79	430
04-24-80	3,960
04-30-80	3,960
06-04-80	4,030
06-18-80	3,980
07-21-80	2,190
08-25-80	650
11-17-80	438

(Spillway Crest 3,960)

WHITNEY RESERVOIR

Date	Contents Ac-ft
10-30-78	1,730
06-10-79	4,345
07-16-79	4,200
10-30-79	852
11-03-79	860
06-22-80	4,740
06-25-80	4,800
07-23-80	4,760
08-20-80	3,240

(Spillway Crest 4,743)

BEAR RIVER BASIN

10011200 West Fork Bear River At Whitney Dam, Near Oakley, UT

LOCATION.--Lat 40°50'30", long 110°55'35", in NE1/4 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 mi^2 (17.59 km^2).

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

REVISED RECORD.--WDR UT-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 except those for winter months and period of no gage-height record, which are fair. Flow regulated by Whitney Reservoir, total capacity, 4,700 acre-ft (5.80 hm^3) since July 1966.

AVERAGE DISCHARGE.--13 years (water years 1967-79), 7.90 ft^3/s (0.224 m^3/s), 5,720 acre-ft/yr (7.06 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 145 ft^3/s (4.11 m^3/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, 98 ft^3/s (2.78 m^3/s) July 13, gage height, 2.71 ft (0.826 m); minimum, 0.09 ft^3/s (0.003 m^3/s) Sept. 25, 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.49	.87	.77	.80	.80	.90	1.0	1.0	1.4	2.9	9.6	3.7
2	.49	.87	.80	.80	.80	.90	1.0	1.0	1.4	2.7	9.2	3.5
3	.44	.87	.80	.80	.80	.90	1.0	1.0	1.4	2.7	9.1	3.5
4	.49	.84	.80	.80	.80	.90	1.0	1.0	1.4	2.9	8.7	3.4
5	.52	.84	.80	.80	.80	.90	1.0	1.0	1.4	2.7	8.4	3.2
6	.47	.77	.80	.80	.80	.90	1.0	1.0	1.5	2.6	8.0	3.1
7	.47	.74	.80	.80	.80	.90	1.0	1.0	1.5	2.4	8.0	2.9
8	.47	.80	.80	.80	.80	.90	1.0	1.0	1.5	2.3	7.7	2.8
9	.49	.87	.80	.80	.80	.90	1.0	1.0	1.5	2.2	7.4	2.8
10	.52	.87	.80	.80	.80	.90	1.0	1.0	1.5	2.1	7.4	2.7
11	.52	.87	.80	.80	.80	.90	1.0	1.0	1.5	2.0	7.1	2.7
12	.49	.87	.80	.80	.80	.90	1.0	1.0	1.5	2.0	6.8	2.7
13	.47	.87	.80	.80	.80	.90	1.0	1.0	1.6	45	6.5	2.6
14	.47	.87	.80	.80	.80	.90	1.0	1.0	1.6	97	6.5	2.6
15	.47	.84	.80	.80	.80	.90	1.0	1.0	1.6	95	6.2	1.3
16	.47	.80	.80	.80	.80	.90	1.0	1.1	1.6	85	5.9	.17
17	.49	.80	.80	.80	.80	.90	1.0	1.1	2.5	91	5.9	.15
18	.49	.80	.80	.80	.80	.90	1.0	1.1	4.1	90	5.7	.15
19	.49	.80	.80	.80	.80	.90	1.0	1.1	5.2	89	5.5	.12
20	.49	.80	.80	.80	.80	.90	1.0	1.1	5.5	88	5.5	.11
21	.44	.80	.80	.80	.80	.90	1.0	1.2	5.0	88	5.2	.10
22	.42	.80	.80	.80	.80	.90	1.0	1.2	4.5	87	5.0	.10
23	.42	.80	.80	.80	.80	.90	1.0	1.2	4.4	88	5.0	.10
24	.40	.80	.80	.80	.80	.90	1.0	1.2	4.2	90	4.8	.10
25	.38	.77	.80	.80	.80	.90	1.0	1.2	3.9	88	4.6	.09
26	.38	.77	.80	.80	.80	.90	1.0	1.3	3.6	86	4.4	.11
27	.38	.77	.80	.80	.80	.90	1.0	1.3	3.4	84	4.4	.15
28	.38	.77	.80	.80	.80	.90	1.0	1.3	3.3	82	4.2	.16
29	.38	.77	.80	.80	---	.90	1.0	1.3	3.2	80	4.0	.16
30	.70	.77	.80	.80	---	.90	1.0	1.3	3.0	32	3.8	.16
31	.90	---	.80	.80	---	.90	---	1.3	---	10	3.8	---
TOTAL	14.88	24.48	24.77	24.80	22.40	27.90	30.0	34.3	79.7	1524.5	194.3	45.43
MEAN	.48	.82	.80	.80	.80	.90	1.00	1.11	2.66	49.2	6.27	1.51
MAX	.90	.87	.80	.80	.80	.90	1.0	1.3	5.5	97	9.6	3.7
MIN	.38	.74	.77	.80	.80	.90	1.0	1.0	1.4	2.0	3.8	.09
AC-FT	30	49	49	49	44	55	60	68	158	3020	385	90

CAL YR 1978 TOTAL 2673.20 MEAN 7.32 MAX 91 MIN .38 AC-FT 5300
WTR YR 1979 TOTAL 2047.46 MEAN 5.61 MAX 97 MIN .09 AC-FT 4060

BEAR RIVER BASIN

10011200 West Fork Bear River At Whitney Dam, Near Oakley, UT

LOCATION.--Lat 40°50'30", long 110°55'35", in NE1/4 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 mi^2 (17.59 km^2).

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

REVISED RECORD.--WDR UT-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 fair except those for winter months and period of no gage-height record, Nov. 14 to Apr. 14 and Apr. 23 to Aug. 19, which are poor. Flow regulated by Whitney Reservoir, total capacity, 4,700 acre-ft (5.80 hm^3) since July 1966.

AVERAGE DISCHARGE.--14 years (water years 1967-80), 7.86 ft^3/s (0.223 m^3/s), 5,690 acre-ft/yr (7.02 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 145 ft^3/s (4.11 m^3/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 daily discharge, 80 ft^3/s (2.27 m^3/s) July 24-29 (occurred during period of no gage-height record); minimum, 0.15 ft^3/s (0.004 m^3/s) several days during October.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.16	.31	.40	.50	.70	.90	1.1	1.2	2.5	46	29	5.1
2	.16	.31	.40	.50	.70	.90	1.1	1.3	2.5	48	28	5.1
3	.16	.28	.40	.50	.70	.90	1.1	1.3	2.5	39	27	5.2
4	.16	.28	.40	.50	.70	.90	1.1	1.4	2.6	41	26	5.2
5	.15	.28	.40	.50	.70	.90	1.1	1.4	2.6	25	20	5.2
6	.16	.28	.40	.50	.70	.90	1.1	1.5	2.6	20	6.0	36
7	.16	.28	.40	.50	.70	.90	1.1	1.5	2.7	19	6.0	51
8	.16	.28	.40	.50	.70	.90	1.1	1.6	2.7	18	6.0	50
9	.16	.28	.40	.50	.70	.90	1.1	1.6	2.7	17	6.0	49
10	.16	.29	.40	.50	.70	.90	1.1	1.7	2.8	16	6.0	48
11	.16	.31	.40	.50	.70	.90	1.2	1.7	2.8	15	5.5	48
12	.16	.31	.40	.50	.70	.90	1.2	1.8	2.9	13	5.5	46
13	.15	.31	.40	.50	.70	.90	1.2	1.8	2.9	12	5.5	45
14	.15	.30	.40	.50	.70	.90	1.2	1.9	2.9	11	5.5	44
15	.16	.30	.40	.50	.70	.90	1.2	1.9	3.0	10	5.5	43
16	.20	.30	.40	.60	.80	1.0	1.2	2.0	3.0	9.0	5.5	42
17	.22	.30	.40	.60	.80	1.0	1.2	2.0	3.1	8.0	5.5	40
18	.22	.30	.40	.60	.80	1.0	1.2	2.1	3.1	7.5	5.5	38
19	.23	.30	.40	.60	.80	1.0	1.2	2.1	3.1	7.0	5.5	37
20	.25	.30	.40	.60	.80	1.0	1.2	2.1	3.2	6.0	5.4	17
21	.20	.30	.40	.60	.80	1.0	1.2	2.1	3.2	5.5	5.3	.66
22	.20	.30	.40	.60	.80	1.0	1.2	2.1	17	5.0	5.3	.63
23	.20	.30	.40	.60	.80	1.0	1.2	2.2	60	35	5.3	.63
24	.22	.30	.40	.60	.80	1.0	1.2	2.2	68	80	5.3	.63
25	.20	.30	.40	.60	.80	1.0	1.2	2.2	65	80	5.3	.60
26	.20	.30	.40	.60	.80	1.0	1.2	2.3	60	80	5.3	.60
27	.29	.30	.40	.60	.80	1.0	1.2	2.3	56	80	5.2	.57
28	.28	.30	.40	.60	.80	1.0	1.2	2.3	52	80	5.1	.54
29	.25	.30	.40	.60	.80	1.0	1.2	2.4	49	80	5.1	.52
30	.36	.30	.40	.60	---	1.0	1.2	2.4	45	60	5.1	.49
31	.36	---	.40	.60	---	1.0	---	2.4	---	31	5.1	---
TOTAL	6.25	8.90	12.40	17.10	21.70	29.50	35.0	58.8	531.4	1004.0	272.3	665.67
MEAN	.20	.30	.40	.55	.75	.95	1.17	1.90	17.7	32.4	8.78	22.2
MAX	.36	.31	.40	.60	.80	1.0	1.2	2.4	68	80	29	51
MIN	.15	.28	.40	.50	.70	.90	1.1	1.2	2.5	5.0	5.1	.49
AC-FT	12	18	25	34	43	59	69	117	1050	1990	540	1320

CAL YR 1979 TOTAL 2010.88 MEAN 5.51 MAX 97 MIN .09 AC-FT 3990
WTR YR 1980 TOTAL 2663.02 MEAN 7.28 MAX 80 MIN .15 AC-FT 5280

BEAR RIVER BASIN

10011500 Bear River Near Utah-Wyoming State Line

LOCATION.--Lat 40°57'55", long 110°51'10", in SE1/4 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.

REVISED RECORDS.--WDR UT-1974: Drainage area.

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, total capacity, 4,700 acre-ft (5.80 hm^3) since 1966. Three diversions above station for irrigation of about 265 acres (1.07 km^2) above and 2,600 acres (10.5 km^2) below station.

AVERAGE DISCHARGE.--37 years, 188 ft^3/s (5.32 m^3/s), 136,200 acre-ft/yr (168 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, 1,820 ft^3/s (51.5 m^3/s) May 28, gage height, 3.80 ft (1.158 m), peak above base of 1,100 ft^3/s (31.2 m^3/s); minimum daily, 24 ft^3/s (0.680 m^3/s) Mar. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	38	36	32	31	30	28	126	586	312	82	53
2	43	41	34	32	31	26	30	110	560	277	78	50
3	43	44	33	32	31	28	28	105	640	255	74	47
4	43	40	33	31	31	28	30	132	766	252	70	46
5	43	38	33	32	31	28	29	176	848	207	67	44
6	43	31	34	34	31	26	29	224	890	188	68	43
7	43	31	34	33	30	28	36	164	827	176	74	41
8	43	36	34	32	30	30	34	145	640	164	88	40
9	43	34	34	31	30	26	40	127	530	153	76	38
10	41	34	34	31	30	28	34	117	530	145	74	38
11	41	31	35	31	30	30	34	108	628	134	68	38
12	41	37	35	31	30	30	31	100	754	130	67	38
13	40	37	35	31	30	29	30	117	814	134	74	38
14	40	37	35	31	30	28	30	161	848	197	80	38
15	40	37	35	31	30	30	53	256	778	188	78	38
16	40	37	35	31	30	30	70	364	652	173	82	35
17	40	37	35	31	30	24	82	445	550	176	98	32
18	41	37	35	31	30	26	84	510	505	173	112	31
19	41	37	35	31	30	26	74	575	435	170	112	31
20	41	37	35	31	30	26	68	640	372	173	120	32
21	46	37	35	31	30	26	70	706	356	170	100	31
22	44	38	35	31	30	32	82	784	376	185	90	30
23	40	38	35	31	30	28	90	855	380	179	86	29
24	39	38	35	31	30	28	96	814	360	179	78	28
25	40	38	35	31	30	29	90	820	376	161	74	28
26	36	38	35	31	30	29	90	890	390	150	70	32
27	36	38	35	31	30	30	100	1010	372	148	67	32
28	36	38	35	31	30	29	108	1560	356	140	63	30
29	38	37	34	31	---	31	112	1420	336	132	60	29
30	38	38	33	31	---	31	122	939	328	117	56	29
31	37	---	32	31	---	30	---	700	---	86	56	---
TOTAL	1264	1109	1068	971	846	880	1831	15196	16783	5424	2442	1089
MEAN	40.8	37.0	34.5	31.3	30.2	28.4	61.0	490	559	175	78.8	36.3
MAX	46	44	36	34	31	32	122	1560	890	312	120	53
MIN	36	31	32	31	30	24	28	100	328	86	56	28
AC-FT	2510	2200	2120	1930	1680	1750	3630	30140	33290	10760	4840	2160

CAL YR 1978 TOTAL 68522 MEAN 188 MAX 1800 MIN 31 AC-FT 135900
WTR YR 1979 TOTAL 48903 MEAN 134 MAX 1560 MIN 24 AC-FT 97000

BEAR RIVER BASIN

10011500 Bear River Near Utah-Wyoming State Line

LOCATION.--Lat 40°57'55", long 110°51'10", in SE1/4 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.

REVISED RECORDS.--WDR UT-1974: Drainage area.

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, total capacity, 4,700 acre-ft (5.80 hm^3) since 1966. Three diversions above station for irrigation of about 265 acres (1.07 km^2) above and 2,600 acres (10.5 km^2) below station.

AVERAGE DISCHARGE.--38 years, 187 ft^3/s (5.30 m^3/s), 135,500 acre-ft/yr (167 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, 12 ft^3/s (0.340 m^3/s) Nov. 9, 1979.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,100 ft^3/s (31.2 m^3/s), and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage Height (ft)	Gage Height (m)
May 23	2200	1180	33.4	3.17	0.966
June 12	0100	*1660	47.0	3.71	1.131
June 20	0100	1280	36.2	3.27	.997

Minimum discharge, 12 ft^3/s (0.340 m^3/s) Nov. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	33	26	27	31	31	30	280	565	758	107	64
2	29	33	28	27	30	31	30	276	558	746	100	60
3	27	33	30	29	29	31	30	313	578	663	94	58
4	27	33	30	28	28	31	30	383	710	618	90	58
5	27	33	30	28	28	32	30	451	848	536	94	56
6	27	33	30	28	29	32	30	457	869	479	90	82
7	27	33	30	29	29	32	29	515	777	463	86	128
8	27	33	30	29	27	32	31	563	890	448	82	127
9	26	32	30	29	26	32	31	550	1040	415	78	128
10	26	31	28	30	25	32	34	467	1200	401	76	143
11	25	30	26	28	26	32	30	371	1360	383	72	136
12	25	31	24	32	27	32	31	321	1350	347	69	134
13	25	32	26	33	28	32	34	283	1180	315	67	129
14	26	33	28	37	28	32	35	278	1040	278	68	120
15	27	34	29	35	28	31	40	306	950	245	78	119
16	31	35	29	36	29	29	41	315	876	221	72	115
17	30	36	29	36	29	27	46	300	939	197	68	113
18	34	35	29	36	30	28	55	300	1000	187	65	110
19	51	34	30	35	29	29	70	391	1060	177	63	106
20	71	33	29	34	31	30	93	514	1090	170	74	93
21	47	32	29	34	31	30	123	693	990	158	65	84
22	42	30	30	34	32	31	157	900	976	148	60	53
23	45	32	29	33	32	31	168	1120	946	156	61	51
24	44	35	28	32	31	31	151	905	911	210	60	50
25	46	37	30	31	30	31	166	659	863	191	70	49
26	47	39	28	31	32	30	193	531	855	185	100	48
27	40	36	26	31	34	30	207	515	815	176	71	48
28	37	31	25	30	34	30	223	542	692	173	61	47
29	41	28	25	30	32	30	279	568	692	167	55	46
30	37	25	25	29	---	30	326	509	752	156	54	45
31	34	---	26	30	---	30	---	542	---	113	60	---
TOTAL	1076	985	872	971	855	952	2773	15120	27392	9880	2310	2570
MEAN	34.7	32.8	28.1	31.3	29.5	30.7	92.4	488	913	319	74.5	85.7
MAX	71	39	30	37	34	32	326	1120	1360	758	107	143
MIN	25	25	24	27	25	27	29	276	558	113	54	45
AC-FT	2130	1950	1730	1930	1700	1890	5500	29990	54330	19600	4580	5100

CAL YR 1979 TOTAL 48395 MEAN 133 MAX 1360 MIN 24 AC-FT 95990
WTR YR 1980 TOTAL 65756 MEAN 180 MAX 1360 MIN 24 AC-FT 130400

BEAR RIVER BASIN

10015700 Sulphur Creek Above Reservoir, Near Evanston, WY

LOCATION.--Lat 41°08'38", long 110°48'19", in SE1/4SW1/4 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 mi^2 (166.3 km^2).

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

REVISED RECORDS.--WDR UT-1974: Drainage area.

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 fair. Several diversions for irrigation above station.

AVERAGE DISCHARGE.--22 years, 15.9 ft^3/s (0.450 m^3/s), 11,520 acre-ft/yr (14.2 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,220 ft^3/s (34.6 m^3/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, 235 ft^3/s (6.66 m^3/s) April 15, gage height, 4.05 ft (1.234 m); maximum gage height, 4.85 ft (1.478 m) April 7 (backwater from ice); no flow Sept. 3-30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.51	.76	2.2	2.0	1.0	4.5	30	18	4.7	.92	.09	.03
2	.51	.76	2.3	2.0	1.5	4.5	25	24	4.0	.76	.08	.03
3	.51	.92	2.4	2.0	2.0	4.5	20	27	4.3	.68	.07	.01
4	.54	.84	2.5	2.5	2.5	4.5	30	20	4.7	1.1	.06	.00
5	.54	.76	2.6	3.0	3.0	4.5	40	23	5.4	1.0	.05	.00
6	.54	.68	2.5	3.0	3.5	4.5	50	40	5.6	.57	.05	.00
7	.54	.68	2.5	3.0	4.0	5.0	60	32	6.7	1.0	.08	.00
8	.54	.76	2.5	3.0	4.0	5.0	70	30	8.3	.42	.16	.00
9	.54	.76	2.5	3.0	4.0	6.0	60	24	8.6	.28	.08	.00
10	.54	.68	2.5	3.0	4.5	6.0	45	16	6.4	.20	.08	.00
11	.57	.54	3.0	4.0	4.5	6.0	29	14	4.0	.20	.06	.00
12	.54	1.6	3.0	4.0	4.5	6.0	23	14	2.7	.16	.05	.00
13	.54	1.7	3.0	4.0	4.5	7.0	21	14	2.2	.14	.08	.00
14	.57	1.8	3.0	4.0	4.5	7.0	41	17	2.4	.10	.08	.00
15	.60	1.9	3.0	4.0	4.5	7.0	115	18	3.4	.10	.07	.00
16	.60	2.0	3.0	4.5	4.5	8.0	113	24	4.7	.16	.07	.00
17	.57	2.0	3.0	4.5	4.5	8.0	74	20	6.9	.12	.07	.00
18	.76	2.0	3.0	4.5	4.5	9.0	45	31	4.3	.10	.08	.00
19	.76	2.0	3.0	4.5	4.5	9.0	36	11	2.7	.09	.08	.00
20	.68	2.0	3.0	4.5	4.5	10	27	9.6	3.4	.09	.08	.00
21	.76	2.0	3.0	4.5	4.5	9.0	27	12	2.4	.10	.07	.00
22	.68	2.0	3.0	4.0	4.5	10	27	9.9	1.9	.51	.07	.00
23	.57	2.0	3.0	3.5	4.5	15	27	12	2.4	.60	.07	.00
24	.57	2.0	3.0	3.0	4.5	20	24	8.0	2.7	12	.06	.00
25	.76	2.0	3.0	2.5	4.5	25	23	6.4	1.7	1.2	.06	.00
26	.76	2.0	3.0	2.0	4.5	30	23	6.1	1.2	.36	.05	.00
27	.76	2.0	3.0	1.5	4.5	40	20	6.7	1.3	.24	.05	.00
28	.76	2.0	2.5	1.0	4.6	50	21	9.2	1.7	.18	.05	.00
29	.76	2.0	2.0	1.0	---	60	22	14	1.2	.16	.05	.00
30	.76	2.1	2.0	1.0	---	50	20	6.7	1.2	.14	.04	.00
31	.68	---	2.0	1.0	---	40	---	6.1	---	.12	.03	---
TOTAL	19.32	45.24	84.0	94.0	111.1	475.0	1188	523.7	113.1	23.80	2.12	.07
MEAN	.62	1.51	2.71	3.03	3.97	15.3	39.6	16.9	3.77	.77	.068	.002
MAX	.76	2.1	3.0	4.5	4.6	60	115	40	8.6	12	.16	.03
MIN	.51	.54	2.0	1.0	1.0	4.5	20	6.1	1.2	.09	.03	.00
AC-FT	38	90	167	186	220	942	2360	1040	224	47	4.2	.1

CAL YR 1978 TOTAL 5891.26 MEAN 16.1 MAX 170 MIN .02 AC-FT 11690
WTR YR 1979 TOTAL 2679.45 MEAN 7.34 MAX 115 MIN .00 AC-FT 5310

BEAR RIVER BASIN

10015700 Sulphur Creek Above Reservoir, Near Evanston, WY

LOCATION.--Lat 41°08'38", long 110°43'19", in SE1/4SW1/4 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 mi^2 (166.3 km^2).

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

REVISED RECORDS.--WDR UT-1974: Drainage area.

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 fair. Several diversions for irrigation above station.

AVERAGE DISCHARGE.--23 years, 15.9 ft^3/s (0.450 m^3/s), 11,520 acre-ft/yr (14.2 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,220 ft^3/s (34.6 m^3/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, 673 ft^3/s (19.1 m^3/s) April 25, gage height, 5.48 ft (1.670 m); maximum gage height, 6.17 ft (1.881 m) April 19 (backwater from ice); no flow Oct. 1-10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.88	.60	.60	4.5	5.0	5.2	202	41	6.4	2.0	.31
2	.00	.64	.60	.60	4.5	5.0	5.2	136	45	18	.96	.22
3	.00	.64	.60	.60	4.5	5.0	5.2	128	42	10	.64	.16
4	.00	.72	.60	.60	4.5	5.0	5.2	108	40	16	.56	.10
5	.00	1.0	.60	.60	4.5	5.2	5.2	131	47	10	.64	.09
6	.00	.96	.60	.60	4.5	5.2	5.2	126	43	3.6	.64	.08
7	.00	.80	.60	.60	4.5	5.2	5.2	138	31	2.1	.72	.13
8	.00	.70	.60	.60	4.5	5.2	5.2	129	22	4.0	.64	.22
9	.00	.60	.60	.60	4.5	5.2	5.5	129	30	6.4	.96	.31
10	.00	.50	.60	.60	4.5	5.2	6.0	109	28	6.4	.40	.80
11	.01	.48	.60	.60	4.5	5.2	6.0	78	26	4.5	.28	.80
12	.04	.31	.60	1.0	4.5	5.2	7.0	62	21	2.1	.25	.96
13	.06	.25	.60	4.0	4.5	5.2	8.0	80	14	1.5	.25	.80
14	.08	.22	.60	6.0	5.0	5.2	10	65	13	1.2	.19	.72
15	.10	.22	.60	6.0	5.0	5.2	12	52	14	.88	.25	.37
16	.16	.22	.60	5.5	5.0	5.2	13	59	13	1.2	.25	.34
17	.16	.25	.60	5.0	5.0	5.2	15	96	12	.80	.25	.28
18	.25	.28	.60	5.0	5.0	5.2	25	81	10	.56	.19	.25
19	.34	.34	.60	4.5	5.0	5.2	45	76	10	.56	.19	.19
20	1.1	.56	.60	4.5	5.0	5.2	80	99	13	.48	.34	.22
21	.80	.64	.60	4.5	5.0	5.2	140	129	19	1.2	.40	.25
22	.64	.80	.60	4.5	5.0	5.2	250	142	10	.48	.48	.28
23	.64	.96	.60	4.5	5.0	5.2	230	152	7.5	.64	.40	.34
24	.64	.96	.60	4.5	5.0	5.2	208	136	6.1	.88	.37	.34
25	.64	.96	.60	4.5	5.0	5.2	290	68	5.8	1.2	1.2	.34
26	.56	.80	.60	4.5	5.0	5.2	262	51	3.6	2.7	1.6	.31
27	.48	.70	.60	4.5	5.0	5.2	173	43	2.6	2.4	.88	.31
28	.48	.60	.60	4.5	5.0	5.2	153	36	2.4	1.5	.48	.28
29	.56	.60	.60	4.5	5.0	5.2	146	36	2.2	1.0	.72	.25
30	.72	.60	.60	4.5	---	5.2	219	39	2.9	.88	.56	.22
31	.72	---	.60	4.5	---	5.2	---	41	---	2.4	.34	---
TOTAL	9.18	18.19	18.60	97.60	138.5	160.4	2345.1	2957	577.1	111.96	18.03	10.27
MEAN	.30	.61	.60	3.15	4.78	5.17	78.2	95.4	19.2	3.61	.58	.34
MAX	1.1	1.0	.60	6.0	5.0	5.2	290	202	47	18	2.0	.96
MIN	.00	.22	.60	.60	4.5	5.0	5.2	36	2.2	.48	.19	.08
AC-FT	18	36	37	194	275	318	4650	5870	1140	222	36	20

CAL YR 1979 TOTAL 2576.86 MEAN 7.06 MAX 115 MIN .00 AC-FT 5110
WTR YR 1980 TOTAL 6461.93 MEAN 17.7 MAX 290 MIN .00 AC-FT 12820

BEAR RIVER BASIN

10015900 Sulphur Creek Below Reservoir, Near Evanston, WY

LOCATION.--Lat 41°09'21", long 110°50'05", in SE1/4SE1/4 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 mi^2 (179.2 km^2).

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

REVISED RECORDS.--WDR UT-1974: Drainage area.

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 hm^3). Records prior to 1965 do not include flow over spillway of the dam.

AVERAGE DISCHARGE.--15 years (water years 1965-79), 23.4 ft^3/s (0.663 m^3/s), 16,950 acre-ft/yr (20.9 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD (SINCE 1966).--Maximum discharge, 425 ft^3/s (12.0 m^3/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, 82 ft^3/s (2.32 m^3/s) Apr. 21, gage height, 1.98 ft (0.604 m); no flow on many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	20	.19	7.3	20	26	8.6
2	.00	.00	.00	.00	.00	.00	20	.00	10	22	26	12
3	.00	.00	.00	.00	.00	.00	20	.00	11	23	28	12
4	.00	.00	.00	.00	.00	.00	20	.00	12	23	30	12
5	.00	.00	.00	.00	.00	.00	20	.00	13	27	30	12
6	.00	.00	.00	.00	.00	.00	20	.00	14	47	30	12
7	.00	.00	.00	.00	.00	.00	20	.00	13	52	30	11
8	.00	.00	.00	.00	.00	.00	20	.00	14	56	30	11
9	.00	.00	.00	.00	.00	.00	20	.00	18	55	30	11
10	.00	.00	.00	.00	.00	.00	20	.00	21	55	30	11
11	.00	.00	.00	.00	.00	.00	12	.00	21	58	30	11
12	.00	.00	.00	.00	.00	.00	9.6	.00	21	58	30	12
13	.00	.00	.00	.00	.00	.00	9.1	.00	19	55	29	18
14	.00	.00	.00	.00	.00	.00	9.2	.00	14	45	29	18
15	.00	.00	.00	.00	.00	.00	9.8	.00	12	45	29	17
16	.00	.00	.00	.00	.00	.00	13	.00	12	47	29	12
17	.00	.00	.00	.00	.00	.00	28	.00	12	59	25	12
18	.00	.00	.00	.00	.00	.00	41	.00	11	61	19	12
19	.00	.00	.00	.00	.00	.00	59	.00	8.1	57	19	11
20	.00	.00	.00	.00	.00	.00	76	.00	5.4	50	17	8.6
21	.00	.00	.00	.00	.00	.00	79	.00	7.3	50	7.4	8.6
22	.00	.00	.00	.00	.00	.00	55	.00	8.1	50	7.4	8.6
23	.00	.00	.00	.00	.00	.00	44	.00	7.6	36	7.4	8.6
24	.00	.00	.00	.00	.00	.00	41	.00	7.4	21	7.4	8.4
25	.00	.00	.00	.00	.00	.00	40	.00	13	9.1	7.7	8.1
26	.00	.00	.00	.00	.00	.00	40	.00	43	9.1	7.6	7.0
27	.00	.00	.00	.00	.00	.00	40	.00	59	14	7.6	7.0
28	.00	.00	.00	.00	.00	.00	39	.00	61	23	7.5	7.0
29	.00	.00	.00	.00	---	.00	10	.34	36	23	7.4	7.0
30	.00	.00	.00	.00	---	.00	1.6	2.2	20	24	7.4	4.5
31	.00	---	.00	.00	---	20	---	4.0	---	27	7.4	---
TOTAL	.00	.00	.00	.00	.00	20.00	856.3	6.73	531.2	1201.2	628.2	319.0
MEAN	.000	.000	.000	.000	.000	.65	28.5	.22	17.7	38.7	20.3	10.6
MAX	.00	.00	.00	.00	.00	20	79	4.0	61	61	30	18
MIN	.00	.00	.00	.00	.00	.00	1.6	.00	5.4	9.1	7.4	4.5
AC-FT	.00	.00	.00	.00	.00	40	1700	13	1050	2380	1250	633

CAL YR 1978 TOTAL 4837.60 MEAN 13.3 MAX 108 MIN .00 AC-FT 9600
WTR YR 1979 TOTAL 3562.63 MEAN 9.76 MAX 79 MIN .00 AC-FT 7070

BEAR RIVER BASIN

10015900 Sulphur Creek Below Reservoir, Near Evanston, WY

LOCATION.--Lat 41°09'21", long 110°50'05", in SE1/4SE1/4 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 mi^2 (179.2 km^2).

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

REVISED RECORDS.--WDR UT-1974: Drainage area.

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 hm^3). Records prior to 1965 do not include flow over spillway of the dam.

AVERAGE DISCHARGE.--16 years (water years 1965-80), 23.5 ft^3/s (0.666 m^3/s), 17,030 acre-ft/yr (21.0 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD (SINCE 1966).--Maximum discharge, 425 ft^3/s (12.0 m^3/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, 271 ft^3/s (7.67 m^3/s) Apr. 28, gage height, 2.89 ft (0.881 m); no flow on many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	.00	.00	.00	.00	.00	49	250	62	.00	46	24
2	2.3	.00	.00	.00	.00	.00	49	219	74	.00	41	24
3	2.3	.00	.00	.00	.00	.00	49	195	74	.00	37	24
4	2.4	.00	.00	.00	.00	.00	49	187	74	.39	38	24
5	2.3	.00	.00	.00	.00	.00	49	187	74	2.2	38	23
6	2.3	.00	.00	.00	.00	.00	48	187	40	3.5	38	23
7	2.2	.00	.00	.00	.00	.00	48	187	20	4.1	38	23
8	2.2	.00	.00	.00	.00	.00	48	186	20	6.2	36	23
9	2.2	.00	.00	.00	.00	.00	48	187	20	10	32	23
10	2.2	.00	.00	.00	.00	15	48	186	20	12	32	23
11	2.3	.00	.00	.00	.00	30	47	186	20	11	32	23
12	2.2	.00	.00	.00	.00	30	47	184	20	9.3	30	23
13	2.2	.00	.00	.00	.00	30	47	184	20	6.9	27	19
14	1.9	.00	.00	.00	.00	30	47	66	20	5.9	27	9.6
15	.06	.00	.00	.00	.00	30	47	7.2	20	6.4	27	9.5
16	.00	.00	.00	.00	.00	30	46	7.3	20	7.5	27	9.5
17	.00	.00	.00	.00	.00	30	46	7.3	20	6.2	27	9.5
18	.00	.00	.00	.00	.00	30	46	7.5	20	11	36	9.5
19	.00	.00	.00	.00	.00	30	46	26	20	17	42	9.5
20	.00	.00	.00	.00	.00	30	47	47	20	17	42	9.5
21	.00	.00	.00	.00	.00	30	49	48	20	38	42	7.8
22	.00	.00	.00	.00	.00	30	52	49	20	55	42	.05
23	.00	.00	.00	.00	.00	30	54	53	7.0	63	42	.00
24	.00	.00	.00	.00	.00	30	56	82	.07	51	41	.00
25	.00	.00	.00	.00	.00	40	58	84	.03	50	41	.00
26	.00	.00	.00	.00	.00	50	80	73	.00	47	39	.00
27	.00	.00	.00	.00	.00	50	200	63	.00	40	28	.00
28	.00	.00	.00	.00	.00	50	247	56	.00	40	28	.00
29	.00	.00	.00	.00	.00	50	234	52	.00	41	28	.00
30	.00	.00	.00	.00	---	50	241	51	.00	42	28	.00
31	.00	---	.00	.00	---	50	---	50	---	46	27	---
TOTAL	31.36	.00	.00	.00	.00	775.00	2222	3354.3	725.10	649.59	1079	373.45
MEAN	1.01	.000	.000	.000	.000	25.0	74.1	108	24.2	21.0	34.8	12.4
MAX	2.4	.00	.00	.00	.00	50	247	250	74	63	46	24
MIN	.00	.00	.00	.00	.00	.00	46	7.2	.00	.00	27	.00
AC-FT	62	.00	.00	.00	.00	1540	4410	6650	1440	1290	2140	741

CAL YR 1979 TOTAL 3593.99 MEAN 9.85 MAX 79 MIN .00 AC-FT 7130
WTR YR 1980 TOTAL 9209.80 MEAN 25.2 MAX 250 MIN .00 AC-FT 18270

BEAR RIVER BASIN

10019500 Chapman Canal At State Line, Near Evanston, WY

LOCATION.--Lat 41°24'24", long 111°02'26", in SE1/4 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 good except for winter months, which are fair. Canal diverts water from Bear River in NW1/4 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.--35 years (water years 1945-79), 20.0 ft^3/s (0.566 m^3/s), 14,480 acre-ft/yr (17.8 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 143 ft^3/s (4.05 m^3/s) June 24, 1970; no flow at times each year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	18	.00	.00	.00	.00	36	26	50	16	16	6.3
2	19	18	.00	.00	.00	.00	40	36	54	19	14	6.0
3	18	18	.00	.00	.00	.00	44	46	50	22	12	5.7
4	19	18	.00	.00	.00	.00	49	75	50	19	10	2.3
5	19	17	.00	.00	.00	.00	54	76	51	21	9.6	.00
6	19	18	.00	.00	.00	.00	59	78	57	20	7.2	.00
7	19	17	.00	.00	.00	.00	64	80	82	20	6.9	.00
8	19	17	.00	.00	.00	.00	70	86	75	20	6.3	.00
9	19	18	.00	.00	.00	.00	76	68	65	20	9.0	.00
10	19	18	.00	.00	.00	.00	76	49	56	20	8.4	.00
11	20	18	.00	.00	.00	.00	58	49	58	20	6.6	.00
12	20	18	.00	.00	.00	.00	54	48	66	20	.92	.00
13	19	17	.00	.00	.00	.00	51	46	75	20	.00	.00
14	18	17	.00	.00	.00	10	52	47	68	20	1.1	.00
15	19	16	.00	.00	.00	11	70	62	62	20	6.0	.00
16	19	15	.00	.00	.00	12	80	79	55	8.0	7.8	.00
17	20	10	.00	.00	.00	13	84	98	50	8.0	9.6	.00
18	21	7.8	.00	.00	.00	14	78	102	43	8.0	11	.00
19	22	6.9	.00	.00	.00	15	74	111	37	8.0	12	.00
20	21	6.3	.00	.00	.00	16	70	116	32	17	11	.00
21	21	.87	.00	.00	.00	17	64	117	26	17	15	.00
22	21	.00	.00	.00	.00	18	57	114	26	17	11	.00
23	21	.00	.00	.00	.00	19	58	117	25	17	11	.00
24	21	.00	.00	.00	.00	20	65	126	24	17	11	.00
25	20	.00	.00	.00	.00	21	65	121	23	17	10	.00
26	19	.00	.00	.00	.00	22	63	120	24	17	9.9	.00
27	19	.00	.00	.00	.00	23	62	111	28	17	10	.00
28	18	.00	.00	.00	.00	24	66	97	21	17	11	.00
29	18	.00	.00	.00	---	26	68	75	21	17	9.9	.00
30	18	.00	.00	.00	---	29	12	92	17	17	8.7	.00
31	18	---	.00	.00	---	32	---	68	---	17	7.2	---
TOTAL	602	309.87	.00	.00	.00	342.00	1819	2532	1371	533.0	280.12	20.30
MEAN	19.4	10.3	.000	.000	.000	11.0	60.6	81.7	45.7	17.2	9.04	.68
MAX	22	18	.00	.00	.00	32	84	126	82	22	16	6.3
MIN	18	.00	.00	.00	.00	.00	12	26	17	8.0	.00	.00
AC-FT	1190	615	.00	.00	.00	678	3610	5020	2720	1060	556	40

CAL YR 1978 TOTAL 10089.44 MEAN 27.6 MAX 109 MIN .00 AC-FT 20010
WTR YR 1979 TOTAL 7809.29 MEAN 21.4 MAX 126 MIN .00 AC-FT 15490

BEAR RIVER BASIN

10019500 Chapman Canal At State Line, Near Evanston, WY

LOCATION.--Lat 41°24'24", long 111°02'26", in SE1/4 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 good except for winter months, which are fair. Canal diverts water from Bear River in NW1/4 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.--36 years (water years 1945-80), 19.9 ft^3/s (0.564 m^3/s), 14,420 acre-ft/yr (17.8 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 143 ft^3/s (4.05 m^3/s) June 24, 1970; no flow at times each year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	1.6	10	.00	.00	.00	13	42	43	48	11	6.6
2	1.0	1.6	10	.00	.00	.00	15	31	51	57	11	6.9
3	1.3	2.3	10	.00	.00	.00	15	28	58	59	9.9	9.6
4	1.3	2.1	10	.00	.00	.00	15	27	58	54	9.0	9.6
5	1.8	2.3	10	.00	.00	.00	15	27	57	46	8.4	8.4
6	1.3	2.3	10	.00	.00	.00	15	27	58	37	9.0	8.1
7	1.3	2.1	10	.00	.00	.00	15	28	54	26	7.8	9.3
8	1.0	1.3	10	.00	.00	.00	15	29	83	30	7.8	9.3
9	.26	1.3	10	.00	.00	.00	15	28	87	35	8.1	9.9
10	.26	.78	10	.00	.00	.00	15	28	87	34	6.6	14
11	.26	.78	10	.00	.00	.00	15	39	88	32	5.7	16
12	1.3	.78	5.0	.00	.00	6.0	15	71	79	30	4.3	19
13	1.6	1.0	.00	.00	.00	12	15	71	65	27	4.6	21
14	1.6	.78	.00	.00	.00	12	15	71	58	24	4.0	17
15	.26	1.5	.00	.00	.00	12	15	64	56	17	4.0	12
16	.00	5.0	.00	.00	.00	12	16	67	51	18	5.1	11
17	.26	10	.00	.00	.00	12	17	71	44	14	4.8	11
18	1.0	14	.00	.00	.00	12	18	74	48	10	4.6	12
19	2.9	14	.00	.00	.00	12	19	70	51	6.9	3.2	11
20	7.2	14	.00	.00	.00	12	20	74	54	4.8	6.3	13
21	13	14	.00	.00	.00	12	21	81	60	3.7	9.6	22
22	9.9	5.0	.00	.00	.00	12	23	83	58	2.9	9.0	23
23	8.1	10	.00	.00	.00	12	25	92	49	6.0	9.9	18
24	9.6	10	.00	.00	.00	13	27	134	48	7.2	9.0	17
25	3.2	10	.00	.00	.00	12	29	116	46	4.6	7.5	17
26	1.6	10	.00	.00	.00	12	31	86	50	7.2	9.3	16
27	1.8	10	.00	.00	.00	12	33	78	48	7.2	12	15
28	2.9	10	.00	.00	.00	13	35	74	46	6.3	10	15
29	2.6	10	.00	.00	.00	12	34	70	42	6.3	8.7	15
30	2.9	10	.00	.00	---	12	35	64	45	8.7	8.7	15
31	1.8	---	.00	.00	---	17	---	51	---	11	6.6	---
TOTAL	83.30	178.52	115.00	.00	.00	241.00	606	1896	1722	680.8	235.5	407.7
MEAN	2.69	5.95	3.71	.000	.000	7.77	20.2	61.2	57.4	22.0	7.60	13.6
MAX	13	14	10	.00	.00	17	35	134	88	59	12	23
MIN	.00	.78	.00	.00	.00	.00	13	27	42	2.9	3.2	6.6
AC-FT	165	354	228	.00	.00	478	1200	3760	3420	1350	467	809

CAL YR 1979 TOTAL 7274.24 MEAN 19.9 MAX 126 MIN .00 AC-FT 14430
WTR YR 1980 TOTAL 6165.82 MEAN 16.8 MAX 134 MIN .00 AC-FT 12230

BEAR RIVER BASIN

10020100 Bear River Above Reservoir Near Woodruff, UT

LOCATION.--Lat 41°26'04", long 111°01'01", in NW1/4NW1/4 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 mi^2 (1,948 km^2).

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

REVISED RECORDS.--WDR UT-1974: Drainage area.

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 km^2) above station.

AVERAGE DISCHARGE.--18 years, 230 ft^3/s (6.51 m^3/s), 166,600 acre-ft/yr (205 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,340 ft^3/s (94.6 m^3/s) June 13, 1965, gage height, 5.89 ft (1,795 m); minimum, 0.1 ft^3/s (0.003 m^3/s) Aug. 24, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,550 ft^3/s (43.9 m^3/s) May 29; gage height, 4.64 ft (1.414 m); minimum, 1.4 ft^3/s (0.040 m^3/s) Sept. 15, 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	21	35	40	40	53	87	189	456	64	14	6.0
2	26	20	35	40	40	50	76	198	320	51	12	5.7
3	26	22	35	40	40	50	67	206	297	30	8.0	5.5
4	26	24	35	40	40	50	67	176	330	18	7.4	5.0
5	26	21	35	40	40	50	93	186	382	15	6.4	5.0
6	25	21	35	40	40	55	126	266	420	15	5.7	3.9
7	26	22	35	40	45	60	158	320	450	12	5.5	3.1
8	26	21	35	45	45	65	226	270	376	8.3	5.0	3.1
9	25	23	35	45	45	70	297	234	306	7.0	5.0	2.8
10	26	23	35	45	50	65	288	167	234	6.4	8.0	2.6
11	25	27	35	45	50	60	186	142	216	5.7	8.3	2.1
12	26	27	35	45	50	60	164	128	258	5.5	8.3	2.6
13	23	19	35	45	50	60	144	109	325	4.8	7.4	2.6
14	20	18	35	45	50	65	153	109	387	5.2	7.4	2.1
15	23	24	35	45	50	70	246	153	420	5.2	12	1.8
16	25	24	35	45	50	75	355	234	360	4.8	18	2.1
17	26	26	35	45	50	80	414	320	284	4.3	26	2.8
18	28	30	40	45	50	85	376	387	220	4.3	29	3.9
19	30	30	40	45	50	90	315	456	198	4.1	24	3.1
20	32	30	40	45	50	90	270	545	164	4.1	27	2.6
21	31	30	40	45	50	95	226	642	121	7.0	41	2.3
22	30	30	40	45	50	100	192	662	87	8.3	31	2.3
23	33	30	40	45	50	110	173	727	83	15	21	2.3
24	31	30	40	40	50	120	180	720	83	30	18	2.0
25	29	30	40	40	50	130	180	630	80	49	15	1.8
26	26	30	40	40	50	140	167	584	72	29	13	1.8
27	26	30	40	40	50	140	158	636	89	20	12	1.8
28	23	30	40	40	50	130	167	831	121	17	11	2.0
29	22	30	40	40	---	120	156	1390	116	16	9.5	2.0
30	22	30	40	40	---	110	183	1230	81	17	8.0	2.0
31	22	---	40	40	---	104	---	727	---	15	6.7	---
TOTAL	811	773	1155	1320	1325	2602	5890	13574	7336	498.0	430.6	88.7
MEAN	26.2	25.8	37.3	42.6	47.3	83.9	196	438	245	16.1	13.9	2.96
MAX	33	30	40	45	50	140	414	1390	456	64	41	6.0
MIN	20	18	35	40	40	50	67	109	72	4.1	5.0	1.8
AC-FT	1610	1530	2290	2620	2630	5160	11680	26920	14550	988	854	176

CAL YR 1978 TOTAL 73260.0 MEAN 201 MAX 1660 MIN 5.7 AC-FT 145300
WTR YR 1979 TOTAL 35803.3 MEAN 98.1 MAX 1390 MIN 1.8 AC-FT 71020

BEAR RIVER BASIN

10020100 Bear River Above Reservoir Near Woodruff, UT

LOCATION.--Lat 41°26'04", long 111°01'01", in NW1/4NW1/4 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 mi^2 (1,948 km^2).

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

REVISED RECORDS.--WDR UT-1974: Drainage area.

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 km^2) above station.

AVERAGE DISCHARGE.--19 years, 231 (ft^3/s (6.54 m^3/s), 167,400 acre-ft/yr (206 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,340 ft^3/s (94.6 m^3/s) June 13, 1965, gage height, 5.89 ft (1,795 m); minimum, 0.1 ft^3/s (0.003 m^3/s) Aug. 24, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,790 ft^3/s (50.7 m^3/s) Apr. 22; gage height, 5.10 ft (1.554 m); minimum, 2.0 ft^3/s (0.057 m^3/s) Oct. 3-5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	29	11	29	30	60	74	1570	734	398	18	6.0
2	2.6	28	11	36	40	70	74	1250	792	584	19	5.5
3	2.3	29	12	37	50	75	67	1070	805	519	18	6.0
4	2.1	31	13	38	60	78	74	1020	890	480	13	7.4
5	2.3	34	15	39	55	80	109	1080	1030	432	10	7.0
6	2.3	36	16	36	60	85	144	1110	1140	320	9.5	7.4
7	2.6	32	17	28	60	90	114	1180	1030	262	9.0	9.0
8	2.4	32	19	30	40	90	96	1270	883	274	8.3	12
9	2.4	33	21	34	30	95	124	1330	928	292	8.3	13
10	2.4	30	23	30	30	100	198	1290	1060	262	8.7	14
11	2.3	27	23	28	35	105	186	1080	1200	230	7.7	20
12	2.3	25	20	39	40	105	192	883	1350	220	7.0	29
13	2.4	23	17	55	50	109	161	818	1330	189	6.4	31
14	2.4	20	18	65	60	150	198	714	1120	161	6.0	27
15	2.4	17	20	75	70	195	302	493	954	134	6.7	16
16	2.3	15	24	75	70	173	398	526	779	107	7.0	12
17	2.4	13	27	75	70	156	444	636	688	81	8.0	10
18	2.6	14	28	75	70	118	552	694	714	49	10	10
19	5.2	19	28	72	70	87	792	616	760	32	10	12
20	21	13	29	70	70	116	1140	727	831	24	9.0	9.5
21	45	11	30	66	70	96	1530	922	812	17	13	10
22	36	10	33	64	65	85	1720	1210	740	16	14	14
23	26	9.5	31	62	60	85	1620	1480	688	16	12	18
24	26	10	26	65	55	85	1460	1690	636	18	10	15
25	30	11	27	70	50	85	1290	1440	604	15	8.3	14
26	32	14	31	70	52	96	1510	994	552	12	8.7	14
27	36	13	29	60	54	62	1500	818	486	15	12	13
28	36	12	24	50	56	64	1310	792	432	13	16	12
29	30	11	23	40	58	57	1180	812	370	12	12	12
30	30	10	23	30	---	67	1340	779	365	12	7.7	12
31	30	---	23	25	---	72	---	694	---	14	6.7	---
TOTAL	426.1	611.5	692	1568	1580	2991	19899	30988	24703	5210	320.0	397.8
MEAN	13.7	20.4	22.3	50.6	54.5	96.5	663	1000	823	168	10.3	13.3
MAX	45	36	33	75	70	195	1720	1690	1350	584	19	31
MIN	2.1	9.5	11	25	30	57	67	493	365	12	6.0	5.5
AC-FT	845	1210	1370	3110	3130	5930	39470	61460	49000	10330	635	789

CAL YR 1979 TOTAL 34793.9 MEAN 95.3 MAX 1390 MIN 1.8 AC-FT 69010
WTR YR 1980 TOTAL 89386.4 MEAN 244 MAX 1720 MIN 2.1 AC-FT 177300

BEAR RIVER BASIN

10020200 Woodruff Narrows Reservoir Near Woodruff, UT

LOCATION.--Lat 41°30'10", long 111°00'55", in sec.32, T.18 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 mi^2 (2,031 km^2).

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

REVISED RECORDS.--WOR UT-1974: Drainage area.

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 hm^3) below spillway crest, which includes 18,240 acre-ft (22.5 hm^3) of Compact allocation for irrigation, 4,260 acre-ft (5.25 hm^3) of irrigation holdover, 4,000 acre-ft (4.93 hm^3) for winter release for fish propogation in Utah, and 1,500 acre-ft (1.85 hm^3) 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 hm^3) May 11, 1974, June 10, 1975, gage height, 38.3 ft (11.67 m); minimum observed, 880 acre-ft (1.09 hm^3) Sept. 15-25, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 28,860 acre-ft (35.5 hm^3) Apr. 19, 20, 21, May 7, 8, 9, gage height, 35.9 ft (10.942 m); minimum, 5,440 acre-ft (6.71 hm^3) Aug. 3-15.

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

4	680	16	6,780	28	17,770
6	1,300	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

RESERVOIR STORAGE (AC-FT), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16370	15890	16240	16810	17230	18130	22590	28560	21180	7160	5500	6050
2	16370	15890	16240	16810	17230	18260	22490	28560	20060	7010	5500	6050
3	16370	15890	16240	16810	17230	18260	23160	28710	19120	6860	5440	6050
4	16370	15780	16240	16810	17230	18260	23410	28710	18130	6560	5440	6050
5	16240	15780	16240	16810	17230	18390	23640	28560	17550	6340	5440	6050
6	16240	15780	16370	16810	17330	18390	23890	28710	17330	6190	5440	6050
7	16240	15780	16370	16810	17330	18510	24140	28860	17130	6190	5440	6050
8	16240	15780	16370	16810	17330	18510	24410	28860	16920	6120	5440	5980
9	16240	15780	16370	16810	17330	18640	24710	28860	16600	6050	5440	5980
10	16120	15780	16370	16810	17440	18760	25010	28710	16000	5980	5440	5980
11	16120	15890	16370	16920	17440	18880	25340	28560	15450	5910	5440	5980
12	16120	15890	16490	16920	17440	19000	25650	28560	14900	5770	5440	5910
13	16120	15890	16490	16920	17550	19120	26140	28410	14480	5710	5440	5910
14	16120	15890	16490	16920	17550	19240	26490	28410	14260	5640	5440	5910
15	16000	15890	16490	16920	17550	19360	27020	28410	14140	5570	5440	5910
16	16000	15890	16490	16920	17660	19480	27690	28260	13800	5570	5500	5910
17	16000	16000	16490	16920	17660	19600	28410	27200	13470	5570	5500	5840
18	16000	16000	16600	16920	17660	19720	28710	25970	12900	5570	5570	5840
19	16000	16000	16600	16920	17770	19840	28860	25010	12410	5570	5640	5840
20	16000	16000	16600	16920	17770	19960	28860	24260	11870	5500	5710	5840
21	16000	16000	16600	17020	17770	20060	28860	23760	11270	5500	5770	5770
22	16000	16000	16600	17020	17890	20180	28710	23290	10530	5500	5840	5770
23	16000	16000	16600	17020	17890	20270	28710	22890	9950	5500	5910	5770
24	16000	16120	16600	17020	17890	20360	28560	22450	9210	5500	5910	5770
25	16000	16120	16710	17020	18000	20510	28560	21880	8440	5500	5980	5770
26	16000	16120	16710	17020	18000	20890	28560	21320	7790	5500	5980	5710
27	16000	16120	16710	17130	18000	21180	28560	20700	7470	5500	5980	5710
28	15890	16120	16710	17130	18130	21460	28560	20510	7470	5500	6050	5710
29	15890	16120	16710	17130	---	21740	28560	21320	7390	5500	6050	5640
30	15890	16120	16710	17130	---	22020	28560	22020	7320	5500	6050	5640
31	15890	---	16710	17130	---	22310	---	21880	---	5500	6050	---
MEAN	16090	15940	16500	16940	17590	19650	26570	25880	13480	5850	5652	5881
MAX	16370	16120	16710	17130	18130	22310	28860	28860	21180	7160	6050	6050
MIN	15890	15780	16240	16810	17230	18130	22590	20510	7320	5500	5440	5640

WTR YR 1979 MEAN 15490 MAX 28860 MIN 5440

BEAR RIVER BASIN

10020200 Woodruff Narrows Reservoir Near Woodruff, UT

LOCATION.--Lat 41°30'10", long 111°00'55", in sec.32, T.18 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 mi^2 (2,031 km^2).

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

REVISED RECORDS.--WDR UT-1974: Drainage area.

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

REMARKS.--Records good except those for period of no gage-height record, Jan. 10 to Apr. 10, Apr. 15 to June 3, and Aug. 20 to Sept. 30, which are fair. Reservoir formed by earthfill,rock-faced dam. Lower portion of spillway cut in natural rock. Storage began Jan. 5, 1962. Total capacity, 28,000 acre-ft (34.5 hm^3) below spillway crest, which includes 18,240 acre-ft (22.5 hm^3) of Compact allocation for irrigation, 4,260 acre-ft (5.25 hm^3) of irrigation holdover, 4,000 acre-ft (4.93 hm^3) for winter release for fish propogation in Utah, and 1,500 acre-ft (1.85 hm^3) 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 hm^3) May 11, 1974, June 10, 1975, gage height, 38.3 ft (11.67 m); minimum observed, 880 acre-ft (1.09 hm^3) Sept. 15-25, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 22,740 acre-ft (28.0 hm^3) Apr. 11, gage height, 31.8 ft (9.693 m); minimum, 4,790 acre-ft (5.91 hm^3) Sept. 29.

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

12	4,120	24	13,360
14	5,370	26	15,570
16	6,780	28	17,770
18	8,360	30	20,180
20	10,000	32	23,040
22	11,600		

RESERVOIR STORAGE (AC-FT), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5640	6340	7240	8530	12600	16600	21300	19700	19960	14900	7630	5200
2	5570	6410	7300	8530	12740	16700	21500	19400	19960	14700	7550	5200
3	5570	6480	7300	8610	12800	16900	21600	19000	19960	14480	7390	5200
4	5570	6480	7300	8700	13000	17000	21900	18800	20060	14030	7240	5200
5	5570	6560	7400	8780	13100	17100	22000	18400	20270	13580	7090	5200
6	5570	6630	7400	8780	13200	17300	22200	18000	20890	12820	6930	5200
7	5500	6700	7400	8870	13300	17400	22300	17700	21320	12250	6780	5200
8	5500	6780	7400	8950	13500	17600	22500	17300	21600	11520	6630	5200
9	5500	6780	7500	9040	13600	17800	22600	17000	21600	10920	6480	5100
10	5500	6860	7500	9200	13700	17900	22700	16700	21180	10840	6340	5100
11	5500	6860	7500	9400	13800	18000	22740	16400	21030	10760	6190	5100
12	5440	6930	7550	9700	14000	18300	22170	16000	21180	10680	6120	5100
13	5440	6930	7550	9900	14100	18400	21460	15700	21460	10610	6050	5000
14	5440	7010	7550	10100	14300	18500	21030	15300	21600	10450	5980	5000
15	5440	7010	7600	10200	14500	18600	20500	15100	21460	10300	5910	5000
16	5370	7090	7600	10500	14600	18900	20200	14800	21030	10160	5910	5000
17	5370	7090	7600	10800	14700	19000	19800	14500	20180	10000	5840	5000
18	5370	7090	7700	10900	14900	19100	19500	14100	19480	9830	5770	5000
19	5440	7090	7790	11200	15000	19400	19100	13800	18760	9560	5710	5000
20	5640	7090	7790	11400	15100	19600	18800	13500	18260	9210	5600	5000
21	5710	7090	7870	11600	15300	19700	18400	13800	18390	8950	5600	4900
22	5770	7090	7950	11900	15400	19800	18000	14480	18390	8700	5600	4900
23	5840	7090	8030	12000	15600	20000	18400	16300	18260	8530	5500	4900
24	5910	7090	8030	12200	15700	20100	18800	16200	18000	8440	5500	4900
25	5910	7160	8110	12300	15900	20200	19000	17100	17770	8440	5400	4800
26	5980	7160	8190	12400	16000	20400	19400	18000	17550	8360	5400	4800
27	6050	7160	8280	12500	16100	20500	19700	19000	17130	8280	5370	4800
28	6120	7160	8280	12570	16400	20700	20100	19960	16710	8190	5300	4800
29	6190	7200	8360	12570	16490	20900	20360	19600	16120	8110	5300	4800
30	6190	7240	8360	12570	---	21000	20060	19960	15570	7950	5300	4790
31	6260	---	8440	12570	---	21180	---	19960	---	7790	5300	---
MAX	6260	7240	8440	12570	16490	21180	22740	19960	21600	14900	7630	5200
MIN	5370	6340	7240	8530	12600	16600	18000	13580	15570	7790	5300	4790

CAL YR 1979 MAX 28860 MIN 5370
WTR YR 1980 MAX 22740 MIN 4790

BEAR RIVER BASIN

10020300 Bear River Below Reservoir, Near Woodruff, UT

LOCATION.--Lat 41°30'20", long 111°00'50", in NW1/4NW1/4 sec.32, T.18 N., R.120 W., Uinta County, Wyoming, Hydrologic Unit 16010101, on right bank 1,100 ft (340 m) downstream from Woodruff Narrows Dam, 1.6 mi (2.6 km) upstream from Salt Creek, 5.4 mi (8.7 km) upstream from Wyoming-Utah State line, and 7.7 mi (12.4 km) east of Woodruff.

DRAINAGE AREA.--784 mi^2 (2,031 km^2).

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

REVISED RECORD.--WDR UT-1974: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 6,398.96 ft (1,950.403 m) National Geodetic Vertical Datum of 1929 (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 good. Flow regulated by Woodruff Narrows Reservoir (station 10020200) beginning January 1962. Diversions for irrigation of about 43,500 acres (176 km^2) above station.

AVERAGE DISCHARGE.--18 years, 225 ft^3/s (6.37 m^3/s), 163,000 acre-ft/yr (201 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,000 ft^3/s (85.0 m^3/s) June 14, 1965, gage height, 7.88 ft (2.402 m); no flow July 4, 5, 1962, Aug. 30, 31, Sept. 1, 2, 6, 7, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 966 ft^3/s (27.4 m^3/s) May 17, gage height, 5.87 ft (1.789 m); no flow Aug. 30, 31, Sept. 1, 2, 6, 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	26	27	28	29	31	33	179	887	124	5.4	.00
2	26	26	27	28	29	31	33	188	877	123	5.6	.66
3	26	26	27	28	29	31	33	197	866	122	5.7	1.1
4	27	26	27	28	29	31	33	198	853	121	5.7	.60
5	27	26	27	28	29	31	33	197	757	120	5.9	.60
6	27	26	27	28	29	31	33	203	564	67	5.4	.21
7	26	26	27	28	29	31	33	252	562	46	4.9	.30
8	26	26	27	28	29	31	34	270	561	46	4.9	.96
9	26	26	27	28	29	31	34	266	557	45	4.6	1.8
10	26	26	27	28	29	31	34	237	553	45	4.5	3.5
11	26	26	27	28	30	31	35	202	545	45	4.5	3.6
12	26	27	27	29	30	31	35	176	540	45	4.2	4.5
13	26	27	27	29	30	31	35	155	535	45	4.1	3.8
14	26	27	27	29	30	31	35	140	531	45	3.8	3.5
15	26	27	27	29	30	31	35	136	528	44	3.7	3.1
16	26	27	27	29	30	31	35	368	526	44	4.1	2.8
17	26	27	27	29	30	32	61	861	522	44	4.7	4.3
18	26	27	27	29	30	32	167	953	516	44	5.2	5.6
19	26	27	27	29	30	32	248	943	506	43	3.5	6.0
20	26	27	27	29	30	32	277	927	499	43	3.0	5.8
21	26	27	27	29	30	32	268	920	490	39	2.7	5.4
22	26	27	27	29	30	32	252	914	480	2.6	2.8	5.4
23	26	27	27	29	30	32	227	910	468	2.1	2.9	5.4
24	26	27	27	29	30	32	199	906	454	1.8	3.1	4.3
25	26	27	27	29	30	32	191	901	444	1.7	2.9	5.8
26	26	27	27	29	30	32	187	894	289	1.4	3.0	5.6
27	26	27	27	30	30	32	179	887	128	2.1	4.4	5.8
28	26	27	27	30	31	32	175	875	127	5.4	4.2	6.2
29	26	27	28	30	---	33	174	879	126	5.1	1.3	6.2
30	26	27	28	29	---	33	172	890	125	5.4	.36	6.8
31	26	---	28	29	---	33	---	893	---	5.2	.03	---
TOTAL	809	799	840	891	831	979	3320	16917	15416	1372.8	121.09	109.63
MEAN	26.1	26.6	27.1	28.7	29.7	31.6	111	546	514	44.3	3.91	3.65
MAX	27	27	28	30	31	33	277	953	887	124	5.9	6.8
MIN	26	26	27	28	29	31	33	136	125	1.4	.03	.00
AC-FT	1600	1580	1670	1770	1650	1940	6590	33550	30580	2720	240	217

CAL YR 1978 TOTAL 60905.90 MEAN 167 MAX 1480 MIN 3.9 AC-FT 120800
WTR YR 1979 TOTAL 42405.52 MEAN 116 MAX 953 MIN .00 AC-FT 84110

BEAR RIVER BASIN

10020300 Bear River Below Reservoir, Near Woodruff, UT

LOCATION.--Lat 41°30'20", long 111°00'50", in NW1/4NW1/4 sec.32, T.18 N., R.120 W., Uinta County, Wyoming, Hydrologic Unit 16010101, on right bank 1,100 ft (340 m) downstream from Woodruff Narrows Dam, 1.6 mi (2.6 km) upstream from Salt Creek, 5.4 mi (8.7 km) upstream from Wyoming-Utah State line, and 7.7 mi (12.4 km) east of Woodruff.

DRAINAGE AREA.--784 mi^2 (2,031 km^2).

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

REVISED RECORD.--WDR UT-1974: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 6,398.96 ft (1,950.403 m) National Geodetic Vertical Datum of 1929 (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 good. Flow regulated by Woodruff Narrows Reservoir (station 10020200) beginning January 1962. Diversions for irrigation of about 43,500 acres (176 km^2) above station.

AVERAGE DISCHARGE.--19 years, 226 ft^3/s (6.40 m^3/s), 163,700 acre-ft/yr (202 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,000 ft^3/s (85.0 m^3/s) June 14, 1965, gage height, 7.88 ft (2.402 m); no flow July 4, 5, 1962, Aug. 30, 31, Sept. 1, 2, 6, 7, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,260 ft^3/s (35.7 m^3/s) Apr. 18, 23, gage height, 5.92 ft (1.804 m); minimum 0.30 ft^3/s (0.008 m^3/s) Mar. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	6.8	6.2	5.9	9.4	9.7	25	1240	780	714	76	26
2	6.3	6.8	6.1	6.1	9.6	9.7	24	1250	779	700	76	26
3	6.6	6.7	6.1	6.2	9.5	9.7	24	1250	782	689	75	26
4	6.6	6.5	6.1	6.1	9.6	9.7	24	1250	786	678	73	26
5	6.6	6.5	6.3	6.3	10	9.8	24	1240	789	667	71	26
6	6.6	6.3	6.2	6.1	12	10	24	1240	855	657	74	26
7	6.6	6.3	5.9	6.1	14	10	24	1230	905	645	75	26
8	6.6	6.4	5.7	6.2	16	10	25	1230	900	627	74	26
9	6.8	6.4	5.7	7.3	16	10	16	1230	1000	432	72	26
10	6.6	6.3	5.7	8.6	16	10	10	1230	1160	229	72	25
11	6.6	6.3	5.8	6.6	16	10	197	1230	1160	209	52	19
12	6.5	6.3	5.7	9.5	16	10	499	1220	1170	198	31	8.1
13	6.4	6.2	5.7	9.7	16	10	492	1210	1160	198	31	7.7
14	6.3	6.2	5.7	9.0	16	10	486	1200	1160	198	31	7.5
15	6.3	6.5	5.7	10	16	10	549	1180	1140	191	30	7.3
16	6.2	6.5	5.7	7.4	16	10	648	1070	1150	165	30	7.2
17	6.2	6.5	5.7	5.1	17	10	723	1000	1140	153	30	7.3
18	6.4	6.5	5.8	12	13	10	1140	996	1130	155	30	6.6
19	6.4	6.6	6.0	22	8.3	10	1250	871	1120	155	30	3.8
20	6.3	6.7	6.1	5.2	10	12	1240	737	978	159	31	3.5
21	6.5	6.6	6.1	5.6	9.9	19	1240	738	828	124	31	3.5
22	6.6	6.8	6.1	8.8	9.8	20	1240	743	821	54	30	3.8
23	6.5	6.8	6.1	8.8	9.6	20	1250	758	823	38	29	3.9
24	6.3	6.7	6.1	8.7	9.8	20	1250	774	826	37	29	4.2
25	6.4	6.4	6.1	11	9.9	20	1240	794	807	36	28	6.5
26	6.5	6.3	6.1	11	10	21	1250	801	792	36	27	9.3
27	6.2	6.3	6.3	10	10	25	1250	794	788	37	26	9.6
28	6.4	6.3	6.2	10	10	25	1250	786	778	48	26	9.6
29	6.5	6.1	6.2	10	10	24	1240	785	766	77	26	9.6
30	6.6	6.2	6.0	15	---	24	1240	786	744	76	26	9.6
31	6.6	---	5.9	13	---	24	---	779	---	76	26	---
TOTAL	200.1	193.8	185.1	273.3	355.4	442.6	19894	31642	28017	8458	1388	406.6
MEAN	6.45	6.46	5.97	8.82	12.3	14.3	663	1021	934	273	44.1	13.6
MAX	6.8	6.8	6.3	22	17	25	1250	1250	1170	714	76	26
MIN	6.1	6.1	5.7	5.1	8.3	9.7	10	737	744	36	26	3.5
AC-FT	397	384	367	542	705	878	39460	62760	55570	16780	2710	806

CAL YR 1979 TOTAL 40536.52 MEAN 111 MAX 953 MIN .00 AC-FT 80400
WTR YR 1980 TOTAL 91435.90 MEAN 250 MAX 1250 MIN 3.5 AC-FT 181400

BEAR RIVER BASIN

10028500 Bear River Below Pixley Dam, Near Cokeville, WY

LOCATION.--Lat 41°56'20", long 110°59'05", in SE1/4SE1/4 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 mi^2 (5,263 km^2).

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.

REVISED RECORD.--WDR UT-1974: Drainage area.

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 irrigated areas, and regulation by upstream reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,300 ft^3/s (65.1 m^3/s) Mar. 25, 1956; minimum daily recorded, 0.3 ft^3/s (0.008 m^3/s) Aug. 21, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 254 ft^3/s (7.19 m^3/s) June 7; minimum daily, 1.3 ft^3/s (0.037 m^3/s) May 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---	149	20	5.4	36	28
2							---	166	40	5.4	32	25
3							---	144	73	5.4	35	25
4							---	109	89	5.9	31	24
5							---	91	102	6.3	24	24
6							---	85	194	7.2	27	24
7							---	76	254	14	38	24
8							---	63	249	36	53	22
9							---	69	237	45	57	22
10							---	72	225	114	82	23
11							---	69	245	182	46	22
12							---	66	213	138	50	22
13							---	62	156	100	59	22
14							---	58	53	85	52	21
15							---	54	69	73	47	22
16							---	50	70	40	43	21
17							---	49	55	90	44	22
18							218	24	49	70	45	25
19							216	1.3	41	54	46	25
20							192	1.8	32	47	47	24
21							206	1.8	9.1	49	47	42
22							212	1.7	11	55	46	34
23							165	1.6	13	56	43	31
24							189	1.6	14	56	43	31
25							194	2.8	14	53	48	28
26							158	3.4	14	50	48	2.1
27							157	4.1	13	49	47	5.4
28							157	5.4	12	46	47	15
29							157	3.4	5.4	50	46	20
30							149	4.4	5.4	60	40	23
31							---	9.5	---	51	33	---
TOTAL							---	1498.6	2576.9	1698.6	1382	698.5
MEAN							---	48.3	85.9	54.8	44.6	23.3
MAX							---	166	254	182	82	42
MIN							---	1.3	5.4	5.4	24	2.1
AC-FT							---	2970	5110	3370	2740	1390

BEAR RIVER BASIN

10028500 Bear River Below Pixley Dam, Near Cokeville, WY

LOCATION.--Lat 41°56'20", long 110°59'05", in SE1/4SE1/4 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 mi^2 (5,263 km^2).

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.

REVISED RECORD.--WDR UT-1974: Drainage area.

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 irrigated areas, and regulation by upstream reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,300 ft^3/s (65.1 m^3/s) Mar. 25, 1956; minimum daily recorded, 0.3 ft^3/s (0.008 m^3/s) Aug. 21, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum recorded discharge, 1,370 ft^3/s (38.8 m^3/s) May 15-19; minimum recorded, 8.2 ft^3/s (0.232 m^3/s) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								1320	588	255	80	69
2								1320	630	267	89	68
3								1320	696	286	86	65
4								1310	747	301	94	60
5								1310	785	449	99	45
6								1300	798	501	131	54
7								1300	801	435	110	49
8								1300	770	427	103	54
9								1310	770	437	108	53
10								1310	770	453	109	58
11								1320	757	445	106	50
12								1320	742	390	109	24
13								1320	737	347	105	20
14								1350	737	354	103	23
15								1370	735	402	97	21
16								1370	742	333	99	17
17								1370	747	305	99	17
18								1370	735	267	103	15
19								1370	720	286	97	12
20								1340	711	283	95	11
21								1240	672	262	95	11
22								1030	675	269	95	11
23								853	651	262	87	11
24								793	588	232	83	9.5
25								793	455	199	80	9.5
26								798	342	184	80	9.1
27								806	329	144	84	9.5
28								713	283	133	78	8.6
29								634	283	130	73	8.6
30								625	238	116	70	8.2
31								599	---	84	70	---
TOTAL								35484	19234	9238	2917	881.0
MEAN								1145	641	298	94.1	29.4
MAX								1370	801	501	131	69
MIN								599	238	84	70	8.2
AC-FT								70380	38150	18320	5790	1750

BEAR RIVER BASIN

10032000 Smiths Fork Near Border, WY

LOCATION.--Lat 42°17'16", long 110°52'14", in NW1/4 sec.33, T.27 N., R.118 W., Lincoln County, Hydrologic Unit 16010102, on left bank 4.5 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 mi^2 (427 km^2).

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 m^2) above station.

AVERAGE DISCHARGE.--37 years, 196 ft^3/s (5.55 m^3/s), 142,000 acre-ft/yr (175 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,610 ft^3/s (45.6 m^3/s) June 18, 1971, gage height, 5.61 ft (1.710 m); minimum, 21 ft^3/s (0.595 m^3/s) Mar. 29, 1975, Jan. 24, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 911 ft^3/s (25.8 m^3/s) May 29, gage height, 4.37 ft (1.332 m) minimum, 30 ft^3/s (0.850 m^3/s) Mar. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116	86	76	62	60	60	61	240	561	304	152	100
2	113	86	74	60	60	61	61	267	525	291	150	97
3	112	84	78	60	60	55	58	255	514	284	146	96
4	111	84	80	60	60	57	62	273	524	279	143	94
5	110	83	78	60	60	60	61	330	559	270	140	93
6	110	80	70	60	60	60	65	425	596	263	136	93
7	108	81	70	60	60	60	73	324	619	257	137	91
8	107	81	68	60	60	61	73	283	586	247	145	87
9	106	84	70	60	60	55	74	246	530	241	140	87
10	103	78	70	60	60	56	75	225	495	233	140	87
11	102	80	70	60	60	59	72	210	473	229	133	86
12	101	83	70	60	60	58	69	201	477	225	134	88
13	100	81	70	60	60	59	68	213	495	220	140	89
14	100	72	70	60	60	57	68	260	512	214	131	89
15	98	70	70	60	60	59	75	317	521	210	128	88
16	98	70	70	60	60	60	89	422	495	206	122	87
17	97	75	70	60	60	60	107	517	473	202	120	86
18	97	80	70	60	60	59	116	582	457	199	119	85
19	95	78	70	60	60	58	108	591	451	195	119	85
20	95	77	70	60	60	57	99	609	437	194	121	84
21	95	76	70	60	60	57	104	623	410	191	117	85
22	93	76	70	60	60	59	121	665	394	195	114	84
23	92	76	70	60	60	59	142	707	386	193	111	83
24	92	76	70	60	60	59	141	766	373	185	109	83
25	90	76	70	60	60	62	136	761	362	177	108	83
26	89	76	70	60	60	61	138	811	350	175	107	89
27	89	76	70	60	60	63	157	832	337	168	106	87
28	89	76	70	60	60	64	187	868	331	166	103	84
29	87	76	68	60	---	62	222	886	320	162	102	84
30	84	77	66	60	---	63	239	775	312	158	102	83
31	86	---	64	60	---	59	---	651	---	156	102	---
TOTAL	3065	2354	2192	1862	1680	1839	3126	15135	13875	6689	3877	2637
MEAN	98.9	78.5	70.7	60.1	60.0	59.3	104	488	463	216	125	87.9
MAX	116	86	80	62	60	64	239	886	619	304	152	100
MIN	84	70	64	60	60	55	58	201	312	156	102	83
AC-FT	6080	4670	4350	3690	3330	3650	6200	30020	27520	13270	7690	5230

CAL YR 1978 TOTAL 92943 MEAN 255 MAX 1220 MIN 39 AC-FT 184400
WTR YR 1979 TOTAL 58331 MEAN 160 MAX 886 MIN 55 AC-FT 115700

BEAR RIVER BASIN

10032000 Smiths Fork Near Border, WY

LOCATION.--Lat 42°17'16", long 110°52'14", in NW1/4 sec.33, T.27 N., R.118 W., Lincoln County, Hydrologic Unit 16010102, on left bank 4.5 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 mi^2 (427 km^2).

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 m^2) above station.

AVERAGE DISCHARGE.--38 years, 196 ft^3/s (5.55 m^3/s), 142,000 acre-ft/yr (175 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,610 ft^3/s (45.6 m^3/s) June 18, 1971, gage height, 5.61 ft (1.710 m); minimum, 21 ft^3/s (0.595 m^3/s) Mar. 29, 1975, Jan. 24, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 998 ft^3/s (28.3 m^3/s) May 24, gage height, 4.51 ft (1.375 m); minimum, 23 (ft^3/s (0.651 m^3/s) Mar. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82	74	45	55	45	52	50	773	577	515	213	131
2	81	80	48	60	50	56	48	782	602	483	208	128
3	80	76	50	60	60	54	49	761	685	464	202	125
4	80	76	55	60	70	53	49	786	696	441	197	124
5	80	75	60	62	65	52	52	858	702	417	193	122
6	79	71	65	58	65	52	56	868	695	397	188	120
7	79	72	66	60	70	48	51	916	686	382	184	121
8	80	70	66	65	73	51	47	916	683	376	181	121
9	79	70	64	65	50	51	52	911	716	361	178	120
10	79	71	60	70	45	50	54	839	798	346	172	120
11	79	73	55	60	45	49	50	746	874	334	169	131
12	78	72	50	50	45	51	52	686	918	323	168	136
13	78	70	50	50	50	50	50	626	913	315	166	123
14	77	70	55	55	55	50	54	586	884	305	164	118
15	78	70	55	60	58	52	62	568	824	297	172	115
16	84	70	60	60	58	50	68	578	751	288	177	112
17	80	70	65	62	56	43	73	571	719	279	165	111
18	80	72	65	84	58	58	85	557	718	274	158	109
19	122	69	65	102	58	51	104	577	718	274	156	108
20	109	71	65	91	57	51	135	606	735	264	156	108
21	89	70	65	91	63	50	170	702	723	258	151	109
22	85	70	64	70	54	49	223	822	697	253	146	108
23	84	70	68	65	54	50	327	917	678	247	143	106
24	83	70	65	65	52	49	350	953	657	245	141	105
25	82	75	60	70	50	50	312	873	627	242	143	103
26	82	73	65	75	63	49	371	775	601	235	157	102
27	80	77	60	80	54	47	409	708	578	230	141	101
28	79	65	60	70	53	48	467	660	543	225	139	100
29	78	50	55	60	53	50	554	644	511	222	132	99
30	75	45	50	50	---	51	777	608	493	220	131	98
31	73	---	50	45	---	52	---	598	---	216	134	---
TOTAL	2554	2107	1826	2030	1629	1569	5201	22771	21002	9728	5125	3434
MEAN	82.4	70.2	58.9	65.5	56.2	50.6	173	735	700	314	165	114
MAX	122	80	68	102	73	58	777	953	918	515	213	136
MIN	73	45	45	45	45	43	47	557	493	216	131	98
AC-FT	5070	4180	3620	4030	3230	3110	10320	45170	41660	19300	10170	6810

CAL YR 1979 TOTAL 57207 MEAN 157 MAX 886 MIN 45 AC-FT 113500
WTR YR 1980 TOTAL 78976 MEAN 216 MAX 953 MIN 43 AC-FT 156600

BEAR RIVER BASIN

10039500 Bear River At Border, WY

LOCATION.--Lat 42°12'40", long 111°03'11", in NE1/4NE1/4 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 Wyoming-Idaho 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 mi^2 (6,439 km^2).

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

REVISED RECORDS.--WDR UT-1974: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,051.63 ft (1,844.537 m) National Geodetic Vertical Datum of 1929, 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.--42 years, 419 ft^3/s (11.9 m^3/s), 303,600 acre-ft/yr (374 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,680 ft^3/s (104 m^3/s) May 11, 1952, gage height, 8.89 ft (2.710 m); minimum, 24 ft^3/s (0.68 m^3/s) Apr. 29, 30, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 773 ft^3/s (21.9 m^3/s) May 30, gage height, 3.98 ft (1.213 m); minimum, 82 ft^3/s (2.322 m^3/s) Sept. 28, 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	209	174	135	130	140	185	416	462	548	274	141	138
2	213	190	135	130	140	186	443	500	478	279	133	128
3	199	183	135	130	140	190	452	545	481	250	120	123
4	201	189	135	130	140	190	440	510	532	241	116	119
5	205	183	135	130	140	190	452	510	564	234	110	119
6	201	183	135	135	140	190	428	587	612	232	95	119
7	199	178	136	135	145	200	491	571	722	232	89	116
8	199	183	135	135	145	200	558	503	740	227	92	114
9	198	190	135	140	145	210	567	452	729	252	98	114
10	190	198	130	140	145	210	542	413	659	286	105	111
11	190	195	130	140	150	210	510	368	629	343	122	114
12	194	195	130	145	150	210	450	346	593	353	99	111
13	189	190	130	145	150	210	410	336	535	317	106	112
14	183	190	130	145	160	210	380	370	478	286	114	110
15	180	190	130	150	160	210	360	443	413	259	120	101
16	178	180	130	150	165	220	400	516	411	238	116	101
17	174	170	130	150	165	230	450	599	399	183	112	95
18	174	160	130	150	165	240	449	662	370	198	111	94
19	181	160	130	147	170	240	428	673	360	181	122	94
20	189	160	130	145	170	240	391	656	355	167	127	94
21	185	160	130	145	170	240	365	652	315	154	139	94
22	185	150	130	140	170	250	411	642	271	154	153	108
23	185	150	130	140	175	260	394	652	255	162	147	99
24	183	150	130	140	175	270	399	697	252	158	151	95
25	183	140	130	140	180	290	404	725	269	151	146	95
26	181	140	130	140	180	312	405	697	269	146	146	102
27	181	140	130	140	180	334	397	711	262	141	147	91
28	176	140	130	140	185	388	413	722	255	136	147	85
29	174	140	130	140	---	455	449	740	264	136	144	85
30	171	140	130	140	---	494	471	747	241	136	141	91
31	169	---	130	140	---	452	---	642	---	144	138	---
TOTAL	5819	5091	4076	4347	4440	7916	13124	17651	13261	6650	3847	3172
MEAN	188	170	131	140	159	255	436	569	442	215	124	106
MAX	213	198	136	150	185	494	567	747	740	353	153	138
MIN	169	140	130	130	140	185	360	336	241	136	89	85
AC-FT	11540	10100	8080	8620	8810	15700	26040	35010	26300	13190	7630	6290

CAL YR 1978 TOTAL 147492 MEAN 404 MAX 1860 MIN 110 AC-FT 292600
WTR YR 1979 TOTAL 89399 MEAN 245 MAX 747 MIN 85 AC-FT 177300

BEAR RIVER BASIN

10039500 Bear River At Border, WY

LOCATION.--Lat 42°12'40", long 111°03'11", in NE1/4NE1/4 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 Wyoming-Idaho 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 mi^2 (6,439 km^2).

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

REVISED RECORDS.--WDR UT-1974: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,051.63 ft (1,844.537 m) National Geodetic Vertical Datum of 1929, 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.--43 years, 422 ft^3/s (12.0 m^3/s), 305,700 acre-ft/yr (377 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,680 ft^3/s (104 m^3/s) May 11, 1952, gage height, 8.89 ft (2.710 m); minimum, 24 ft^3/s (0.68 m^3/s) Apr. 29, 30, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,700 ft^3/s (76.5 m^3/s) May 10, gage height, 8.10 ft (2.469 m); minimum, 78 ft^3/s (2.21 m^3/s) Oct. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	162	90	110	90	450	300	2260	1330	725	269	178
2	92	153	95	120	110	400	286	2350	1350	769	269	185
3	92	154	100	120	140	380	279	2380	1570	818	279	187
4	94	154	110	120	160	380	279	2350	1640	818	269	181
5	94	158	120	120	140	360	288	2350	1660	833	250	176
6	95	156	130	120	150	360	331	2420	1680	1010	247	189
7	95	151	140	110	160	370	368	2530	1660	924	274	180
8	94	149	150	110	130	380	339	2580	1630	872	255	181
9	94	156	150	120	110	380	327	2670	1590	849	245	180
10	85	139	140	130	100	370	324	2680	1560	830	243	185
11	84	156	120	100	100	360	355	2670	1610	818	238	194
12	82	140	100	100	100	350	381	2610	1630	780	236	215
13	84	140	100	110	120	360	411	2580	1630	715	234	199
14	81	140	110	150	130	350	478	2440	1610	694	232	183
15	80	140	110	200	140	400	725	2330	1550	743	234	176
16	82	140	110	500	140	465	888	2290	1520	697	255	174
17	85	150	120	800	140	503	1030	2350	1480	632	269	174
18	81	176	120	800	140	428	1220	2350	1420	612	255	179
19	95	160	120	750	160	410	1360	2300	1390	558	257	174
20	151	150	120	450	210	370	1450	2250	1370	574	276	172
21	163	150	120	250	300	363	1450	2220	1320	539	262	171
22	174	140	130	230	450	341	1600	2180	1280	507	234	169
23	198	140	130	240	550	336	1780	2100	1260	507	194	167
24	180	140	120	250	600	329	1970	2020	1160	478	176	162
25	172	150	110	260	700	365	2130	1990	1110	443	172	174
26	171	160	120	270	750	355	2210	1900	952	419	180	176
27	163	130	110	200	800	329	2300	1770	833	394	183	178
28	156	110	100	150	600	310	2230	1670	754	348	178	180
29	153	95	100	130	500	295	2170	1510	733	329	176	181
30	151	90	95	110	---	300	2150	1440	704	317	172	183
31	153	---	95	90	---	307	---	1380	---	305	174	---
TOTAL	3666	4329	3585	7320	7920	11456	31409	68920	40986	19857	7187	5403
MEAN	118	144	116	236	273	370	1047	2223	1366	641	232	180
MAX	198	176	150	800	800	503	2300	2680	1680	1010	279	215
MIN	80	90	90	90	90	295	279	1380	704	305	172	162
AC-FT	7270	8590	7110	14520	15710	22720	62300	136700	81300	39390	14260	10720

CAL YR 1979 TOTAL 85993 MEAN 236 MAX 747 MIN 80 AC-FT 170600
WTR YR 1980 TOTAL 212038 MEAN 579 MAX 2680 MIN 80 AC-FT 420600

BEAR RIVER BASIN

1004600 Rainbow Inlet Canal Near Dingle, ID

LOCATION.--Lat 42°13'48", long 111°17'43", in SE1/4 sec.3, T.14 S., R.44 E., Bear Lake County, Hydrologic Unit 16010201, on right 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) National Geodetic Vertical Datum of 1929 (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 NE1/4 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 ccaeral supervision of Geological Survey, in connection with a Federal Power Commission project.

AVERAGE DISCHARGE.--57 years, 337 ft^3/s (9.55 m^3/s), 244,200 acre-ft/yr (301 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,180 ft^3/s (118 m^3/s) *May 7, 1952*, gage height, *8.62 ft (2.627 m); no flow Apr. 28, 1977.*

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 680 ft^3/s (19.3 m^3/s) Apr. 10, gage height, 3.07 ft (0.936 m); minimum, 6.9 ft^3/s (0.195 m^3/s) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	263	171	219	137	134	144	509	463	436	20	43	34
2	246	187	219	125	134	155	477	472	337	19	38	48
3	249	205	259	128	131	249	504	506	270	24	89	53
4	236	204	189	139	128	229	511	534	233	29	94	51
5	232	202	144	134	124	163	497	511	260	26	78	47
6	231	202	159	135	124	169	530	508	274	34	70	47
7	207	203	183	138	120	183	535	578	295	34	68	51
8	214	255	128	138	123	155	590	614	376	41	26	29
9	221	212	122	138	119	167	649	587	401	71	27	26
10	215	227	124	141	117	185	667	538	410	101	28	23
11	210	216	137	146	116	193	613	485	338	118	29	17
12	205	204	149	138	124	207	570	430	281	131	27	15
13	211	205	151	119	122	232	548	400	253	160	32	18
14	204	212	149	98	131	203	523	363	217	168	32	23
15	190	159	151	118	142	227	504	332	188	182	30	22
16	186	164	138	123	166	256	498	440	153	167	37	22
17	187	193	137	128	164	216	519	529	129	139	37	20
18	189	199	146	135	167	226	545	614	107	113	36	21
19	188	195	157	138	142	231	591	613	81	95	36	21
20	191	200	167	137	142	366	563	604	71	89	37	15
21	195	219	157	132	130	264	517	600	61	78	40	8.9
22	195	209	159	134	125	288	508	588	57	79	39	8.0
23	188	176	170	145	136	281	529	561	49	73	41	8.1
24	183	172	175	149	148	315	490	526	41	70	44	8.2
25	176	142	174	148	149	298	520	520	34	62	40	8.8
26	175	144	168	141	143	317	531	518	26	53	37	8.6
27	171	209	152	143	141	355	531	470	18	43	40	8.1
28	170	202	160	136	142	416	523	477	21	44	46	8.2
29	168	209	140	133	---	451	526	489	24	45	40	8.3
30	164	224	161	136	---	511	474	503	23	44	14	8.2
31	166	---	161	132	---	548	---	506	---	42	17	---
TOTAL	6226	5921	5005	4162	3784	8200	16092	15879	5464	2394	1292	686.4
MEAN	201	197	161	134	135	265	534	512	182	77.2	41.7	22.9
MAX	263	255	259	149	167	548	667	614	436	182	94	5.
MIN	164	142	122	98	116	144	474	332	18	19	14	8.1
AC-FT	12350	11740	9930	8260	7510	16260	31920	31500	10840	4750	2560	136

CAL YR 1978 TOTAL 149886.0 MEAN 411 MAX 1530 MIN 47 AC-FT 297300
WTR YR 1979 TOTAL 75105.4 MEAN 206 MAX 667 MIN 8.0 AC-FT 149000

BEAR RIVER BASIN

1004600 Rainbow Inlet Canal Near Dingle, ID

LOCATION.--Lat 42°13'48", long 111°17'43", in SE1/4 sec.3, T.14 S., R.44 E., Bear Lake County, Hydrologic Unit 16010201, on right 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) National Geodetic Vertical Datum of 1929 (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 NE1/4 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.--58 years, 341 ft^3/s (9.66 m^3/s), 247,100 acre-ft/yr (305 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,180 ft^3/s (118 m^3/s) May 7, 1952, gage height, 8.62 ft (2.627 m); no flow Apr. 28, 1977 and Oct. 1, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,950 ft^3/s (33.5 m^3/s) Apr. 10, gage height, 7.42 ft (2.262 m); no flow Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.5	62	87	83	124	443	317	2580	1700	505	249	146
2	17	121	89	87	125	457	300	2600	1660	543	232	157
3	17	124	100	92	125	413	285	2640	1720	603	216	163
4	16	130	116	95	132	409	281	2710	1830	725	214	169
5	11	132	120	94	137	403	293	2740	1930	776	206	166
6	9.6	136	123	101	129	389	317	2740	1910	812	188	166
7	6.4	144	126	103	123	381	344	2790	1880	933	190	163
8	6.3	160	130	100	145	362	379	2770	1840	918	198	168
9	12	151	137	91	138	411	349	2820	1790	885	193	166
10	8.4	159	165	108	133	418	341	2870	1710	826	193	171
11	10	137	160	93	120	404	339	2920	1680	791	182	182
12	18	136	80	84	114	329	372	2950	1690	756	181	196
13	27	120	81	95	112	301	404	2940	1610	715	172	213
14	35	98	98	114	114	374	444	2890	1590	644	159	208
15	11	130	97	130	119	320	560	2790	1590	624	172	189
16	6.3	130	96	155	126	363	821	2720	1570	734	180	187
17	8.4	136	106	176	131	345	1030	2680	1510	690	186	181
18	2.0	171	99	237	141	461	1220	2660	1420	652	188	181
19	13	170	89	359	153	473	1370	2660	1340	622	189	188
20	40	135	91	358	164	429	1510	2620	1220	573	198	180
21	57	129	103	349	187	386	1640	2560	1150	521	238	169
22	68	127	97	315	212	397	1760	2500	1120	438	250	165
23	39	119	108	300	249	380	1880	2510	1080	437	225	151
24	25	114	101	270	309	363	2040	2480	1040	432	194	139
25	30	110	71	255	445	348	2210	2420	938	410	180	139
26	29	109	81	208	473	362	2340	2370	896	383	167	148
27	29	112	88	171	461	366	2390	2280	532	366	162	145
28	29	94	77	139	529	339	2470	2160	642	369	164	143
29	26	83	75	140	512	325	2520	2070	563	331	163	147
30	19	81	76	136	---	319	2460	1880	511	292	152	146
31	15	---	83	132	---	320	---	1770	---	295	144	---
TOTAL	648.9	3760	3150	5170	5982	11790	32986	80090	41662	18601	5925	5032
MEAN	20.9	125	102	167	206	380	1100	2584	1389	600	191	168
MAX	68	171	165	359	529	473	2520	2950	1930	933	250	213
MIN	2.0	62	71	83	112	301	281	1770	511	292	144	139
AC-FT	1290	7460	6250	10250	11870	23390	65430	158900	82640	36900	11750	9980

CAL YR 1979 TOTAL 65512.3 MEAN 179 MAX 667 MIN 2.0 AC-FT 129900
WTR YR 1980 TOTAL 214796.9 MEAN 587 MAX 2950 MIN 2.0 AC-FT 426000

BEAR RIVER BASIN

10046500 Bear River Below Stewart Dam, Near Montpelier, ID

LOCATION.--Lat 42°15'14", long 111°17'35", in NE1/4 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 mi^2 (7,389 km^2).

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

REVISED RECORDS.--WDR UT-1974: Drainage area.

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.--57 years, 43.9 ft^3/s (1.30 m^3/s), 33,250 acre-ft/yr (41.0 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 3,050 ft^3/s (86.4 m^3/s) June 3, 1923; no flow July 15, 1956, July 13, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 115 ft^3/s (3.26 m^3/s) June 14, gage height, 2.94 ft (0.896 m); minimum, 1.00 ft^3/s (0.028 m^3/s) Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	12	22	32	28	38	19	25	19	15	18	99
2	1.3	12	22	33	30	37	19	25	18	15	17	95
3	1.7	12	22	33	31	37	19	25	17	16	17	90
4	2.0	13	23	33	33	37	19	24	15	16	17	86
5	2.4	13	23	34	34	37	19	24	24	37	16	78
6	2.7	13	23	34	36	22	19	24	33	57	16	70
7	3.0	14	24	34	39	23	20	23	42	78	16	66
8	3.4	14	24	35	43	23	20	23	51	99	15	65
9	3.7	14	24	35	46	23	20	23	60	24	15	64
10	4.1	15	25	35	48	24	20	22	69	24	15	63
11	4.4	15	25	36	49	24	19	22	78	24	18	57
12	4.7	15	25	36	50	25	19	22	87	23	21	57
13	5.1	16	26	36	51	24	18	21	92	23	24	57
14	5.4	16	26	37	48	24	18	21	115	23	23	57
15	5.8	16	26	37	39	24	18	21	27	22	22	56
16	6.1	17	27	32	40	24	17	22	26	22	33	56
17	6.4	17	27	26	42	24	18	23	25	22	44	56
18	6.8	17	27	21	43	24	18	25	23	22	56	51
19	7.1	18	28	21	45	24	19	25	22	21	68	47
20	7.5	18	28	21	46	24	19	25	20	21	79	42
21	7.8	18	29	20	47	24	20	25	19	21	77	26
22	8.1	19	29	20	48	24	20	24	17	20	75	21
23	8.5	19	29	21	49	24	21	24	16	20	90	17
24	8.8	19	30	21	49	24	21	24	14	20	104	12
25	9.2	20	30	22	49	24	22	24	12	20	110	12
26	9.5	20	30	23	48	23	23	23	13	19	106	12
27	9.8	20	31	23	38	23	23	23	13	19	101	12
28	10	21	31	24	38	22	24	23	14	19	102	12
29	11	21	31	24	---	21	24	23	14	18	113	12
30	11	21	32	25	---	21	25	21	14	18	113	12
31	11	---	32	27	---	20	---	20	---	18	97	---
TOTAL	189.3	495	831	891	1187	792	600	719	1009	816	1638	1460
MEAN	6.11	16.5	26.8	28.7	42.4	25.5	20.0	23.2	33.6	26.3	52.8	48.7
MAX	11	21	32	37	51	38	26	25	115	99	113	99
MIN	1.0	12	22	20	28	20	17	20	12	15	15	12
AC-FT	375	982	1650	1770	2350	1570	1190	1430	2000	1620	3250	2900

CAL YR 1978 TOTAL 3251.44 MEAN 8.91 MAX 32 MIN .30 AC-FT 6450
WTR YR 1979 TOTAL 10627.30 MEAN 29.1 MAX 115 MIN 1.0 AC-FT 21080

BEAR RIVER BASIN

10046500 Bear River Below Stewart Dam, Near Montpelier, ID

LOCATION.--Lat 42°15'19", long 111°17'35", in NE1/4 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 mi^2 (7,389 km^2).

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

REVISED RECORDS.--WDR UT-1974: Drainage area.

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.--58 years, 45.5 ft^3/s (1.29 m^3/s), 32,960 acre-ft/yr (40.6 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 3,050 ft^3/s (86.4 m^3/s) June 3, 1923; no flow July 15, 1956, July 13, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 143 ft^3/s (4.05 m^3/s) Oct. 27, gage height, 2.60 ft (0.792 m); minimum, 3.0 ft^3/s (0.085 m^3/s) Jan. 2-4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	53	3.4	3.1	4.9	5.0	3.9	12	12	32	33	34
2	5.9	22	3.5	3.0	4.9	4.6	4.0	12	34	32	31	35
3	6.3	19	3.5	3.0	5.0	4.1	4.0	13	54	36	30	37
4	6.8	19	3.5	3.0	5.2	3.7	4.1	13	58	36	34	39
5	7.5	19	3.5	3.2	5.3	3.7	4.1	15	60	31	36	32
6	8.0	18	3.5	3.5	5.5	3.7	4.2	15	58	30	32	32
7	8.6	20	3.5	3.8	5.7	3.7	4.0	15	58	32	31	34
8	9.0	19	3.5	4.2	5.9	3.8	4.2	13	57	30	34	37
9	9.5	19	3.5	4.5	6.0	3.8	4.5	13	55	26	31	40
10	9.9	19	3.6	4.9	6.1	3.8	4.7	13	53	26	29	46
11	10	18	3.6	4.9	6.3	3.8	5.0	15	52	26	29	50
12	9.6	18	3.6	5.0	6.4	3.9	5.3	15	51	25	35	37
13	9.2	17	3.6	5.0	6.8	3.9	5.6	15	49	25	34	36
14	9.2	15	3.7	5.1	6.7	3.9	6.0	14	49	56	35	36
15	9.3	11	3.6	5.1	6.5	4.0	8.2	13	49	74	35	35
16	9.2	6.4	3.6	5.2	6.3	4.3	19	12	49	79	35	35
17	9.2	5.9	3.5	5.2	6.1	4.4	17	12	48	45	36	35
18	9.5	5.5	3.5	5.3	6.0	4.4	13	11	50	44	37	35
19	9.6	5.5	3.4	6.2	5.8	4.1	12	11	51	39	37	35
20	9.3	5.1	3.3	6.1	5.6	3.9	13	12	52	45	37	35
21	15	4.8	3.3	6.0	5.9	3.7	13	13	62	50	37	36
22	37	4.5	3.2	5.6	6.3	3.5	11	14	60	51	39	36
23	84	4.2	3.1	5.3	6.8	3.3	11	15	54	56	38	35
24	131	3.9	3.3	5.0	9.2	3.2	11	15	52	55	37	35
25	130	3.7	3.4	5.0	9.9	3.1	10	14	50	53	37	34
26	138	3.5	3.3	4.8	7.5	3.2	9.8	13	46	50	36	35
27	140	3.4	3.3	4.5	7.4	3.3	9.3	12	37	49	36	35
28	138	3.4	3.3	4.3	7.1	3.4	10	11	37	49	36	35
29	139	3.4	3.2	4.4	5.9	3.6	11	12	34	42	35	35
30	139	3.4	3.2	4.5	---	3.7	12	13	33	30	34	35
31	109	---	3.1	4.6	---	3.9	---	14	---	34	34	---
TOTAL	1371.2	372.6	106.1	143.3	182.9	118.4	253.9	410	1464	1288	1070	1086
MEAN	44.2	12.4	3.42	4.62	6.31	3.82	8.46	13.2	48.8	41.5	34.5	36.2
MAX	140	53	3.7	6.2	9.9	5.0	19	15	62	79	39	50
MIN	5.6	3.4	3.1	3.0	4.8	3.1	3.9	11	12	25	29	32
AC-FT	2720	739	210	284	363	235	504	813	2900	2550	2120	2150

CAL YR 1979 TOTAL 10961.9 MEAN 30.0 MAX 140 MIN 3.1 AC-FT 21740
WTR YR 1980 TOTAL 7866.4 MEAN 21.5 MAX 140 MIN 3.0 AC-FT 15600

BEAR RIVER BASIN

10055500 Bear Lake At Lifton, Near St. Charles, ID

LOCATION.--Lat 42°07'160", long 111°18'52", in NE1/4 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 mi^2 (1,127 km^2), 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. Altitude of gage is 5,900 ft (1,798.3 m) 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 km^3) 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 herein given 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 (175 km^3) 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, 1,140,000 acre-ft (141 km^3) June 10, elevation, 5,919.64 ft (1,804.306 m); minimum, 956,200 acre-ft (1.18 km^3) Nov. 3.

RESERVOIR STORAGE (AC-FT), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	959000	956900	960400	978200	1006000	1026000	1040000	1093000	1134000	1124000	1034000	999600
2	959000	956900	961000	978200	1006000	1027000	1042000	1095000	1135000	1122000	1032000	998900
3	959000	956200	961700	978900	1007000	1028000	1043000	1097000	1136000	1118000	1029000	997500
4	959000	956200	962400	979600	1008000	1029000	1045000	1098000	1136000	1113000	1028000	996100
5	959000	956200	962400	980300	1009000	1029000	1047000	1099000	1137000	1108000	1026000	994800
6	959000	956200	963100	981000	1009000	1029000	1048000	1101000	1138000	1104000	1024000	993400
7	959000	956200	963100	981600	1010000	1029000	1050000	1102000	1138000	1099000	1023000	992700
8	959000	956200	963800	982300	1011000	1029000	1051000	1103000	1139000	1094000	1021000	992000
9	959000	956200	964500	982300	1012000	1029000	1054000	1104000	1139000	1090000	1019000	991300
10	959000	956200	965200	983000	1012000	1030000	1056000	1106000	1140000	1086000	1017000	990600
11	959000	956200	965800	984400	1013000	1030000	1057000	1108000	1140000	1083000	1015000	987800
12	959000	956900	966500	985100	1014000	1030000	1058000	1109000	1140000	1079000	1013000	985100
13	959000	956900	966500	985800	1014000	1030000	1060000	1110000	1139000	1076000	1012000	982300
14	958300	956900	967200	987200	1015000	1030000	1062000	1112000	1139000	1072000	1011000	978900
15	958300	956900	967200	988500	1016000	1030000	1064000	1113000	1139000	1068000	1010000	974000
16	958300	956900	967900	989900	1017000	1031000	1065000	1113000	1138000	1065000	1009000	972700
17	958300	956900	967900	990600	1018000	1031000	1067000	1115000	1138000	1061000	1008000	970600
18	958300	956900	968600	992000	1018000	1031300	1069000	1116000	1138000	1060000	1008000	969200
19	958300	957600	969200	993400	1019000	1032000	1071000	1118000	1137000	1057000	1007000	967900
20	958300	957600	970600	994800	1020000	1033000	1073000	1118000	1137000	1055000	1007000	966500
21	958300	957600	971300	995400	1020000	1033000	1074000	1119000	1136000	1052000	1006000	965200
22	958300	958300	972000	996800	1021000	1033000	1076000	1120000	1135000	1049000	1006000	963800
23	958300	958300	973400	998200	1022000	1034000	1078000	1122000	1134000	1047000	1006000	962400
24	958300	958300	974000	998900	1022000	1034000	1079000	1123000	1133000	1045000	1005000	960400
25	958300	959000	974700	999600	1023000	1035000	1081000	1124000	1132000	1042000	1005000	959700
26	958300	959000	975400	1000000	1024000	1036000	1083000	1127000	1131000	1042000	1004000	959600
27	958300	959000	976100	1001000	1024000	1036000	1085000	1129000	1131000	1041000	1003000	958300
28	957600	959000	976800	1002000	1026000	1037000	1088000	1130000	1129000	1041000	1002000	958300
29	957600	959700	977500	1002000	---	1038000	1090000	1131000	1128000	1040000	1002000	957600
30	956900	959700	977500	1004000	---	1038000	1092000	1133000	1127000	1040000	1002000	956200
31	956900	---	977500	1005000	---	1039000	---	1134000	---	1036000	1000000	---
MEAN	958500	957400	968700	990300	1016000	1032000	1065000	1114000	1136000	1071000	1013000	976800
MAX	959000	959700	977500	1005000	1026000	1039000	1092000	1134000	1140000	1124000	1034000	999600
MIN	956900	956200	960400	978200	1006000	1026000	1040000	1093000	1127000	1036000	1000000	956200

WTR YR 1979 MEAN 1025000 MAX 1140000 MIN 956200

BEAR RIVER BASIN

10055500 Bear Lake At Lifton, Near St. Charles, ID

.OCATION.--Lat 42°07'160", long 111°18'52", in NE1/4 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.

)RAINAGE AREA.--435 mi^2 (1,127 km^2), approximately (does not include Mud Lake drainage).

'ERIOD 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.

:AGE.--Water-stage recorder. Altitude of gage is 5,900 ft (1,798.3 m) Utah Power & Light Company datum.

:EMARKS.--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 km^3) 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 herein given represent usable contents.

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

:XTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,423,000 acre-ft (1.75 km^3) June 10, 1923, elevation, 5,923.68 ft (1,805.538 m); no usable contents Nov. 9-19, 1935.

:XTREMES FOR CURRENT YEAR.--Maximum contents, 1,366,000 acre-ft (1.68 km^3) June 25, elevation, 5,922.86 ft (1,805.288 m); minimum, 936,400 acre-ft (1.15 km^3) Nov. 11.

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

5,916	888,600	5,920	1,165,000
5,917	956,900	5,921	1,235,000
5,918	1,026,000	5,922	1,305,000
5,919	1,095,000		

RESERVOIR STORAGE (AC-FT), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	954200	946700	937100	939100	974800	1007000	1033000	1123000	1323000	1366000	1347000	1254000
2	952100	946700	937100	939100	976900	1008000	1033000	1130000	1329000	1366000	1345000	1250000
3	951500	946700	937100	939800	978900	1009000	1034000	1137000	1335000	1366000	1342000	1247000
4	950800	946700	937100	939800	981000	1011000	1035000	1144000	1340000	1366000	1339000	1244000
5	949400	946700	937100	939800	982400	1013000	1036000	1151000	1343000	1366000	1335000	1241000
6	948700	946700	937100	939800	983800	1014000	1037000	1158000	1345000	1366000	1330000	1238000
7	948000	945300	937100	940500	984400	1015000	1038000	1165000	1347000	1366000	1325000	1238000
8	947300	943900	937100	940500	985100	1017000	1040000	1173000	1349000	1366000	1320000	1237000
9	946700	941900	937100	941200	985100	1018000	1041000	1182000	1351000	1366000	1315000	1235000
10	946000	939100	937100	941900	985800	1020000	1042000	1190000	1353000	1366000	1311000	1233000
11	945300	936400	937100	941900	985800	1021000	1043000	1198000	1354000	1366000	1309000	1231000
12	945300	936400	937100	942600	985800	1022000	1044000	1208000	1356000	1366000	1307000	1230000
13	944600	936400	937100	943900	985800	1022000	1045000	1215000	1357000	1366000	1305000	1228000
14	944600	936400	937100	945300	985800	1022000	1045000	1221000	1359000	1365000	1303000	1227000
15	944600	936400	937100	946700	986500	1023000	1046000	1228000	1360000	1364000	1302000	1225000
16	944600	936400	937100	948000	986500	1023000	1046000	1236000	1361000	1364000	1299000	1223000
17	944600	936400	937100	949400	986500	1024000	1050000	1245000	1361000	1363000	1297000	1221000
18	944600	936400	937100	950800	987200	1024000	1052000	1252000	1362000	1363000	1295000	1218000
19	944600	937100	937100	952100	989300	1026000	1055000	1258000	1363000	1363000	1291000	1215000
20	944600	937100	937100	953500	991300	1027000	1058000	1263000	1363000	1362000	1288000	1213000
21	946000	937100	937800	954900	993400	1028000	1063000	1266000	1364000	1361000	1284000	1210000
22	946700	937100	937800	956300	995500	1029000	1071000	1271000	1365000	1360000	1281000	1207000
23	947300	937100	937800	957600	997500	1030000	1078000	1277000	1365000	1360000	1278000	1204000
24	947300	937100	937800	959000	999600	1031000	1085000	1283000	1365000	1360000	1276000	1201000
25	947300	937100	937800	961100	1001000	1032000	1092000	1290000	1366000	1359000	1273000	1197000
26	947300	937100	937800	963100	1002000	1032000	1095000	1295000	1366000	1358000	1271000	1194000
27	947300	937100	938400	965200	1002000	1033000	1099000	1298000	1366000	1356000	1268000	1191000
28	947300	937100	938400	967200	1004000	1033000	1106000	1302000	1366000	1355000	1265000	1188000
29	947300	937100	938400	969300	1005000	1033000	1109000	1306000	1366000	1353000	1262000	1185000
30	946700	937100	938400	970700	---	1033000	1114000	1314000	1366000	1351000	1259000	1182000
31	946700	---	938400	972700	---	1033000	---	1317000	---	1349000	1257000	---
MX	954200	946700	938400	972700	1005000	1033000	1114000	1317000	1366000	1366000	1347000	1254000
MN	944600	936400	937100	939100	974800	1007000	1033000	1123000	1323000	1349000	1257000	1182000
†)	5916.85	5916.71	5916.73	5917.23	5917.70	5918.10	5919.27	5922.17	5922.86	5922.62	5921.31	5920.25
‡)	-9500	-9600	+1300	+34300	+32300	+28000	+81000	+203000	+49000	-17000	-92000	-75000

AL YR . . . . . (‡) -39100
:R YR . . . . . (‡) +225800

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

BEAR RIVER BASIN

10059500 Bear Lake Outlet Canal Near Paris, ID

LOCATION.--Lat 42°13'00", long 111°20'35", in SW1/4 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.

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

GAGE.--Water-stage recorder. *Datum of gage is 5,912.6 ft (1,802.16 m)* National Geodetic Vertical Datum of 1929, unadjusted,

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.--57 years, 369 ft^3/s (10.5 m^3/s), 267,300 acre-ft/yr (330 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, 1977, 1978.*

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,440 ft^3/s (40.8 m^3/s) July 19, gage height, 18.65 (5.685 m); minimum daily, 1.5 ft^3/s (0.46 m^3/s) Nov. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	3.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1400	718	88
2	10	3.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1380	697	85
3	10	3.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1370	723	85
4	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1390	748	91
5	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1410	724	80
6	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1420	720	84
7	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1430	728	83
8	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1400	681	82
9	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1390	695	78
10	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1370	695	156
11	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1420	711	252
12	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	272	1420	708	314
13	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	261	1430	730	267
14	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	284	1410	702	88
15	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	373	1420	673	119
16	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	368	1430	683	180
17	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	364	1430	638	314
18	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	346	1430	620	460
19	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	343	1440	608	490
20	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	387	1440	525	490
21	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	481	1430	376	455
22	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	597	1430	261	417
23	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	589	1340	110	419
24	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	581	1230	100	420
25	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	637	1060	96	310
26	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	715	760	92	183
27	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	803	733	99	178
28	10	1.5	1.5	1.5	1.5	1.5	1.5	1.5	988	716	102	161
29	10	1.5	1.5	1.5	---	1.5	1.5	1.5	1280	697	92	155
30	3.3	1.5	1.5	1.5	---	1.5	1.5	1.5	1430	690	89	98
31	3.3	---	1.5	1.5	---	1.5	---	1.5	---	737	90	---
TOTAL	296.6	50.4	46.5	46.5	42.0	46.5	45.0	46.5	11115.5	39053	15234	6682
MEAN	9.57	1.68	1.50	1.50	1.50	1.50	1.50	1.50	371	1260	491	223
MAX	10	3.3	1.5	1.5	1.5	1.5	1.5	1.5	1430	1440	748	490
MIN	3.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	690	89	7[illegible]
AC-FT	588	100	92	92	83	92	89	92	22050	77460	30220	13250

CAL YR 1978 TOTAL 48254.5 MEAN 132 MAX 1230 MIN 1.0 AC-FT 95710
WTR YR 1979 TOTAL 72704.5 MEAN 199 MAX 1440 MIN 1.5 AC-FT 144200

BEAR RIVER BASIN

10059500 Bear Lake Outlet Canal Near Paris, ID

LOCATION.--Lat 42°13'00", long 111°20'35", in SW1/4 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.

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

GAGE.--Water-stage recorder. Datum of gage is 5,912.6 ft (1,802.16 m) National Geodetic Vertical Datum of 1929, unadjusted.

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.--58 years, 370 ft^3/s (10.5 m^3/s), 268,100 acre-ft/yr (331 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, 1977, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,690 ft^3/s (47.9 m^3/s) July 23, gage height, 19.27 (5.873 m); minimum daily, 3.0 ft^3/s (0.085 m^3/s) many days during the year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	112	3.0	3.0	3.0	3.0	3.0	12	8.0	1070	1260	1300
2	71	124	3.0	3.0	3.0	3.0	3.0	12	8.0	1170	1250	1290
3	104	48	3.0	3.0	3.0	3.0	3.0	12	484	1140	1250	1300
4	172	44	3.0	3.0	3.0	3.0	3.0	12	620	1150	1250	1340
5	170	20	3.0	3.0	3.0	3.0	3.0	12	874	1130	1310	1330
6	167	38	3.0	3.0	3.0	3.0	3.0	12	920	1120	1360	1320
7	161	38	3.0	3.0	3.0	3.0	3.0	8.0	1010	1100	1380	1310
8	161	19	3.0	3.0	3.0	3.0	3.0	8.0	1040	1150	1360	1300
9	156	3.0	3.0	3.0	3.0	3.0	3.0	8.0	1050	1130	1360	1300
10	152	3.0	3.0	3.0	3.0	3.0	3.0	8.0	1070	1140	1350	1280
11	147	3.0	3.0	3.0	3.0	3.0	3.0	8.0	1030	1200	1350	1310
12	142	3.0	3.0	3.0	3.0	3.0	3.0	8.0	998	1260	1350	1340
13	137	3.0	3.0	3.0	3.0	3.0	3.0	8.0	1030	1270	1350	1320
14	133	3.0	3.0	3.0	3.0	3.0	3.0	8.0	1040	1250	1320	1300
15	128	3.0	3.0	3.0	3.0	3.0	3.0	8.0	1040	1280	1310	1270
16	124	3.0	3.0	3.0	3.0	3.0	3.0	8.0	1050	1360	1350	1230
17	120	3.0	3.0	3.0	3.0	3.0	3.0	8.0	1030	1300	1370	1230
18	171	3.0	3.0	3.0	3.0	3.0	3.0	8.0	1010	1310	1380	1260
19	264	3.0	3.0	3.0	3.0	3.0	3.0	8.0	968	1320	1370	1250
20	409	3.0	3.0	3.0	3.0	3.0	3.0	8.0	965	1280	1360	1240
21	290	3.0	3.0	3.0	3.0	3.0	12	8.0	927	1280	1360	1230
22	269	3.0	3.0	3.0	3.0	3.0	12	8.0	909	1310	1370	1230
23	237	3.0	3.0	3.0	3.0	3.0	12	8.0	900	1430	1360	1230
24	194	3.0	3.0	3.0	3.0	3.0	12	8.0	893	1590	1340	1220
25	179	3.0	3.0	3.0	3.0	3.0	12	8.0	742	1330	1330	1210
26	161	3.0	3.0	3.0	3.0	3.0	12	8.0	807	1320	1340	1200
27	134	3.0	3.0	3.0	3.0	3.0	12	8.0	804	1260	1320	1190
28	136	3.0	3.0	3.0	3.0	3.0	12	8.0	792	1240	1310	1180
29	145	3.0	3.0	3.0	3.0	3.0	12	8.0	783	1340	1330	1170
30	122	3.0	3.0	3.0	---	3.0	12	8.0	873	1290	1330	1170
31	105	---	3.0	3.0	---	3.0	---	8.0	---	1290	1310	---
TOTAL	5122	509.0	93.0	93.0	87.0	93.0	180.0	272.0	25785.0	38810	41340	37850
MEAN	165	17.0	3.00	3.00	3.00	3.00	6.00	8.77	860	1252	1334	1262
MAX	409	124	3.0	3.0	3.0	3.0	12	12	1070	1590	1380	1340
MIN	61	3.0	3.0	3.0	3.0	3.0	3.0	8.0	8.0	1070	1250	1170
AC-FT	10160	1010	184	184	173	184	357	540	51140	76980	82000	75080

CAL YR 1979 TOTAL 78035.0 MEAN 214 MAX 1440 MIN 1.5 AC-FT 154800
WTR YR 1980 TOTAL 150234.0 MEAN 410 MAX 1590 MIN 3.0 AC-FT 298000

BEAR RIVER BASIN

10092700 Bear River At Idaho-Utah State Line

LOCATION.--Lat 42°00'47", long 111°55'14", in NW1/4NE1/4 sec.29, T.16 S., R.39 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 mi^2 (12,642 km^2).

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

REVISED RECORDS.--WDR UT-1974: Drainage area.

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

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

AVERAGE DISCHARGE.--9 years, *1,214 ft^3/s (34.4 m^3/s), 879,500 acre-ft/yr (1.08 km^3/yr).*

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,190 ft^3/s (119 m^3/s) June 12, 1971, gage height, 8.25 ft (2.515 m); minimum observed, 73 ft^3/s (2.07 m^3/s) June 29, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,770 ft^3/s (78.4 m^3/s) Apr. 17, gage height, 5.36 ft (1.634 m); minimum daily, 100 ft^3/s (2.83 m^3/s) June 18, 19, 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	547	519	392	980	540	1000	1150	1210	416	959	433	380
2	402	580	575	660	610	370	829	1190	947	849	727	359
3	412	551	855	980	530	440	986	1180	613	656	532	300
4	600	567	660	230	570	450	647	1170	300	824	730	372
5	577	400	467	480	520	550	1230	1170	930	1210	863	400
6	492	600	600	880	560	500	1090	1240	345	1200	643	403
7	619	499	350	720	530	610	1080	1250	600	984	672	500
8	371	428	600	630	630	784	945	813	250	1300	300	420
9	511	599	600	530	610	949	1520	534	160	944	442	330
10	476	675	860	530	730	1250	1620	629	210	960	628	300
11	858	676	550	480	510	730	1000	1790	150	648	877	280
12	622	524	500	480	750	856	378	842	150	1040	482	403
13	584	396	650	630	380	817	715	466	220	875	787	345
14	492	709	500	560	940	547	1640	934	600	1040	500	737
15	330	749	550	490	620	732	1250	631	200	910	884	413
16	597	600	800	490	1300	879	1400	1160	200	1060	150	400
17	610	616	1100	490	410	1200	1830	1200	150	942	150	450
18	583	486	800	480	440	831	1970	1350	100	1010	700	452
19	656	389	600	580	680	1010	1340	674	100	875	729	496
20	424	349	400	490	400	1090	1500	1340	100	1030	900	580
21	622	450	400	490	350	1400	1140	546	200	676	850	580
22	426	400	200	500	470	931	1480	1120	560	972	469	600
23	350	709	500	1040	450	800	1120	462	420	723	794	696
24	516	899	560	980	530	730	1610	1090	300	1180	898	500
25	439	515	500	580	730	983	1420	616	300	504	914	460
26	999	600	540	780	440	851	1380	684	580	600	560	360
27	751	570	680	530	640	1260	1110	532	250	348	550	320
28	619	690	510	330	580	1420	1210	1420	655	150	550	800
29	840	210	650	630	---	902	1210	457	1030	200	600	250
30	683	520	650	600	---	1300	1210	817	817	350	450	400
31	534	---	650	530	---	1210	---	672	---	398	425	---
TOTAL	17542	16475	18249	18780	16450	27382	37010	29189	11853	25417	19189	13286
MEAN	566	549	589	606	588	883	1234	942	395	820	619	443
MAX	999	899	1100	1040	1300	1420	1970	1790	1030	1300	914	800
MIN	330	210	200	230	350	370	378	457	100	150	150	250
AC-FT	34790	32680	36200	37250	32630	54310	73410	57900	23510	50410	38060	26350

CAL YR 1978 TOTAL 308366 MEAN 845 MAX 2360 MIN 150 AC-FT 611600
WTR YR 1979 TOTAL 250822 MEAN 687 MAX 1970 MIN 100 AC-FT 497500

BEAR RIVER BASIN

10092700 Bear River At Idaho-Utah State Line

LOCATION.--Lat 42°00'47", long 111°55'14", in NW1/4NE1/4 sec.29, T.16 S., R.39 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 mi^2 (12,642 km^2).

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

REVISED RECORDS.--WDR UT-1974: Drainage area.

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

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

AVERAGE DISCHARGE.--10 years, 1,205 ft^3/s (34.1 m^3/s), 873,000 acre-ft/yr (1.08 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,190 ft^3/s (119 m^3/s) June 12, 1971, gage height, 8.25 ft (2.515 m); minimum observed, 73 ft^3/s (2.07 m^3/s) June 29, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,050 ft^3/s (115 m^3/s) June 4, gage height, 7.33 ft (2.234 m); minimum observed, 106 ft^3/s (3.00 m^3/s) Sept. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	400	710	300	260	450	1010	600	1240	2090	665	1190	1910
2	350	1150	300	200	450	843	802	2150	2260	1240	1020	1400
3	900	325	220	360	400	859	741	2120	3280	1070	1000	1890
4	450	430	200	630	550	1070	550	1240	3920	900	950	2260
5	670	700	375	300	450	972	970	2280	3440	1250	670	1680
6	380	725	150	550	510	1090	675	1300	3250	1710	1200	1830
7	360	939	320	450	320	973	980	2160	3570	1150	800	1560
8	360	250	150	500	680	892	702	1300	3440	1290	700	1830
9	390	400	460	400	620	575	725	1930	3890	1350	1100	1300
10	450	500	650	350	725	780	600	2240	3720	900	1090	120
11	210	560	440	500	400	977	1270	2130	3570	1100	1150	120
12	380	753	235	752	420	650	380	2540	3470	1160	1270	1100
13	210	810	470	2020	430	1050	590	2490	3190	580	650	2630
14	150	490	180	3520	580	445	691	2020	3150	1120	1380	2680
15	400	520	270	2600	1220	996	663	2330	2930	870	1000	2010
16	170	370	150	1050	911	624	1190	2020	2990	1290	1420	2100
17	430	440	300	1010	1120	603	938	2370	2700	1100	1260	125
18	320	190	150	938	1570	640	1730	2840	2790	880	1450	125
19	934	480	300	1130	2350	630	2080	2360	2730	870	1330	1600
20	1100	290	250	671	1910	460	1720	1980	2210	1280	1420	1740
21	300	175	275	840	989	390	1710	2260	1970	1100	1410	1960
22	770	320	420	778	865	470	2060	2070	1880	680	1660	2450
23	711	115	768	430	986	460	2770	1730	2130	1400	1420	745
24	730	485	525	1000	754	590	3170	2090	1710	875	1550	1050
25	1280	115	700	400	690	720	2630	2560	1880	910	1200	1240
26	485	220	155	760	419	820	2290	2100	1410	560	1310	1650
27	540	195	270	900	603	515	2550	2080	720	1040	1440	1380
28	938	290	350	700	465	430	2200	1790	1550	850	1490	2010
29	907	390	480	700	980	530	1740	2230	1020	1000	1510	2270
30	540	240	250	450	---	460	2220	2020	1320	830	1280	1120
31	300	---	180	420	---	420	---	1870	---	945	1570	---
TOTAL	16515	13577	10243	25569	22817	21944	41857	63860	78180	31865	37910	46485
MEAN	533	453	330	825	787	708	1395	2060	2606	1028	1223	1550
MAX	1280	1150	768	3520	2350	1090	3170	2840	3920	1710	1660	2680
MIN	150	115	150	200	320	390	300	1240	720	560	650	120
AC-FT	32760	26930	20320	50720	45260	43530	83020	126700	155100	63200	75190	92200

CAL YR 1979 TOTAL 238891 MEAN 654 MAX 1970 MIN 100 AC-FT 473800
WTR YR 1980 TOTAL 410822 MEAN 1122 MAX 3920 MIN 115 AC-FT 814900

BEAR RIVER BASIN

10109000 Logan River Above State Dam, Near Logan, UT

LOCATION.--Lat 41°44'40", long 111°47'00", in NE1/4 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 mi^2 (554 km^2).

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.

REVISED RECORDS.--WDR UT-1974: Drainage area.

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 datums. 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: 66 years (water years 1914-79), 125 ft^3/s (3.54 m^3/s), 90,560 acre-ft/yr (112 hm^3/yr). Combined river and canal: 83 years, 272 ft^3/s (7.70 m^3/s), 197,100 acre-ft/yr (243 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--River only: Maximum discharge, 2,000 ft^3/s (56.6 m^3/s) Mar. 21, 1916, gage height, 5.6 ft (1.71 m), datum then in use, from rating curve extended above 1,000 ft^3/s (28.3 m^3/s); minimum daily, 6 ft^3/s (0.17 m^3/s) Nov. 7, 1940.
Combined river and canal: Maximum discharge observed, 2,480 ft^3/s (70.2 m^3/s) May 24, 1907; minimum daily, 50 ft^3/s (1.42 m^3/s) Jan. 21, 1935.

EXTREMES FOR CURRENT YEAR.--River only: Maximum discharge, 880 ft^3/s (24.9 m^3/s) May 29, gage height, 4.71 ft (1.436 m); minimum, 46 ft^3/s (1.30 m^3/s) Dec. 16.
Combined river and canal: Maximum daily discharge, 913 ft^3/s (25.9 m^3/s) May 28; minimum daily, 83 ft^3/s (2.35 m^3/s) Jan. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	147	118	131	83	104	93	111	325	537	278	156	123
2	147	125	127	90	101	93	109	322	494	259	152	116
3	145	125	125	109	91	87	107	318	490	250	149	114
4	145	123	127	116	97	88	105	336	507	241	149	118
5	143	121	129	116	94	93	107	395	524	230	145	120
6	141	118	116	104	94	93	116	524	546	221	141	120
7	141	121	114	97	97	97	135	452	554	218	141	118
8	139	123	97	97	97	102	137	391	516	210	141	114
9	137	131	121	112	94	99	149	339	465	202	141	111
10	137	135	121	112	94	97	143	311	444	199	139	112
11	137	133	112	114	96	97	139	288	444	194	135	111
12	137	135	118	120	96	101	135	272	457	189	135	111
13	135	133	107	111	97	101	131	278	473	186	141	111
14	135	129	109	107	104	105	143	325	490	181	137	111
15	135	131	112	109	102	107	167	407	490	179	133	107
16	133	127	97	107	96	111	213	524	465	174	135	107
17	133	127	105	104	97	109	256	619	436	177	135	107
18	131	129	114	105	96	105	259	655	427	177	135	105
19	133	129	116	102	97	107	224	665	423	179	135	101
20	129	127	114	102	96	104	199	674	391	174	135	97
21	129	127	111	102	96	104	210	678	368	169	133	97
22	129	129	111	104	96	104	232	711	364	177	129	97
23	129	129	111	90	94	107	256	744	357	174	127	94
24	127	125	109	97	94	105	241	768	353	167	129	94
25	127	125	109	107	91	112	241	773	339	165	129	94
26	127	125	104	101	94	112	241	797	332	160	127	93
27	125	120	102	96	94	114	250	816	308	158	127	93
28	125	120	105	99	93	118	259	855	301	156	125	90
29	125	121	102	94	---	120	275	846	291	154	125	90
30	125	125	90	94	---	116	314	740	285	154	123	90
31	125	---	87	93	---	112	---	628	---	156	123	---
TOTAL	4153	3786	3453	3194	2692	3213	5604	16776	12871	5908	4207	3166
MEAN	134	126	111	103	96.1	104	187	541	429	191	136	106
MAX	147	135	131	120	104	120	314	855	554	278	156	123
MIN	125	118	87	83	91	87	105	272	285	154	123	90
AC-FT	8240	7510	6850	6340	5340	6370	11120	33280	25530	11720	8340	6280

CAL YR 1978 TOTAL 93996 MEAN 258 MAX 995 MIN 66 AC-FT 186400
WTR YR 1979 TOTAL 69023 MEAN 189 MAX 855 MIN 83 AC-FT 136900

BEAR RIVER BASIN

10109000 Logan River Above State Dam, Near Logan, UT

LOCATION.--Lat 41°44'40", long 111°47'00", in NE1/4 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 mi^2 (554 km^2).

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.

REVISED RECORDS.--WDR UT-1974: Drainage area.

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 datums. 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: 67 years (water years 1914-80), 127 ft^3/s (3.60 m^3/s), 92,010 acre-ft/yr (113 hm^3/yr).
Combined river and canal: 34 years, 272 ft^3/s (7.70 m^3/s), 197,100 acre-ft/yr (243 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--River only: Maximum discharge, 2,000 ft^3/s (56.6 m^3/s) Mar. 21, 1916, gage height, 5.6 ft (1.71 m), datum then in use, from rating curve extended above 1,000 ft^3/s (28.3 m^3/s); minimum daily, 6 ft^3/s (0.17 m^3/s) Nov. 7, 1940.
Combined river and canal: Maximum discharge observed, 2,480 ft^3/s (70.2 m^3/s) May 24, 1907; minimum daily, 50 ft^3/s (1.42 m^3/s) Jan. 21, 1935.

EXTREMES FOR CURRENT YEAR.--River only: Maximum discharge, 903 ft^3/s (25.6 m^3/s) May 23, June 13, gage height, 4.64 ft (1.414 m); minimum, 67 ft^3/s (1.90 m^3/s) Jan. 31.
Combined river and canal: Maximum daily discharge, 916 ft^3/s (25.9 m^3/s) June 13; minimum daily, 89 ft^3/s (2.52 m^3/s) Jan. 11, Feb. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	116	94	96	90	104	105	808	606	559	215	147
2	93	114	104	96	91	104	105	808	675	554	207	145
3	93	114	105	96	91	109	105	736	782	529	207	145
4	93	114	102	94	93	112	107	741	768	508	204	145
5	93	114	102	96	88	111	107	768	768	496	199	145
6	93	114	102	96	91	111	116	777	759	469	196	143
7	93	114	104	91	91	109	116	772	732	453	191	145
8	91	114	104	93	88	105	111	764	728	431	189	145
9	93	111	102	96	85	105	111	840	768	412	189	141
10	91	111	101	101	88	104	114	786	813	394	186	141
11	91	109	101	87	88	104	114	686	849	384	181	149
12	91	107	87	112	91	107	114	628	872	362	177	156
13	88	107	96	143	91	105	121	559	876	348	177	143
14	85	107	99	167	91	105	137	529	858	338	174	137
15	84	107	96	127	94	107	158	533	818	325	172	136
16	83	107	99	114	96	107	194	546	768	314	179	154
17	81	107	97	109	99	104	224	525	754	304	172	154
18	83	109	96	107	121	107	262	500	759	291	165	154
19	118	107	96	101	129	107	321	512	764	285	160	154
20	141	105	96	94	121	102	405	585	764	275	160	149
21	121	104	97	97	114	107	453	666	750	269	158	154
22	116	99	97	93	112	107	480	764	728	266	156	154
23	116	104	96	93	109	107	537	840	705	259	154	154
24	118	104	96	96	102	105	546	858	684	253	149	145
25	121	104	97	96	102	107	517	768	658	247	149	143
26	121	104	96	93	102	105	546	686	632	238	149	143
27	118	102	91	90	102	104	554	628	606	235	149	141
28	116	93	91	88	104	104	567	610	576	230	149	139
29	116	92	91	93	107	101	636	610	546	224	149	139
30	116	91	91	88	---	107	679	585	533	221	149	137
31	118	---	94	87	---	105	---	593	---	218	147	---
TOTAL	3150	3205	3020	3130	2871	3288	8662	21015	21899	10691	5358	4397
MEAN	102	107	97.4	101	99.0	106	289	678	730	345	173	147
MAX	141	116	105	167	129	112	679	858	876	559	215	156
MIN	81	91	87	87	85	101	105	500	533	218	147	137
AC-FT	6290	6360	5990	6210	5690	6520	17180	41680	43440	21210	10630	8720

CAL YR 1979 TOTAL 67025 MEAN 184 MAX 855 MIN 81 AC-FT 132900
WTR YR 1980 TOTAL 90705 MEAN 248 MAX 876 MIN 81 AC-FT 179900

10109001 Logan River Above State Dam, Near Logan, UT--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 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	172	143	132	83	104	94	112	351	584	353	203	161
2	172	145	128	90	101	94	110	346	542	334	199	153
3	170	145	126	109	91	88	108	344	550	325	196	151
4	170	143	128	116	97	89	106	362	567	316	196	154
5	168	141	130	116	94	94	108	422	585	305	192	154
6	166	138	117	104	94	94	117	550	608	300	188	154
7	166	139	115	97	97	98	136	476	616	297	188	152
8	164	139	98	97	97	103	138	414	577	288	188	148
9	162	140	122	112	94	100	150	361	525	280	188	145
10	162	136	122	112	94	98	144	333	503	277	186	146
11	162	134	113	114	96	98	140	310	503	273	181	145
12	162	136	119	120	96	102	136	293	516	268	181	145
13	160	134	108	111	97	102	132	299	534	265	187	145
14	160	130	110	107	104	106	144	347	554	260	183	145
15	160	132	113	109	102	108	168	431	553	257	179	141
16	158	129	98	107	96	112	214	552	530	252	179	141
17	158	128	106	104	97	110	256	653	508	247	177	141
18	156	130	115	105	96	106	260	697	500	239	177	139
19	158	130	117	102	97	108	224	709	494	240	177	135
20	154	128	115	102	96	105	199	724	460	234	177	131
21	154	128	112	102	96	105	210	727	436	229	175	131
22	154	130	112	104	96	105	233	766	432	237	171	131
23	154	130	112	90	94	108	257	806	424	234	170	128
24	152	126	110	97	94	106	242	830	420	227	170	128
25	152	126	110	107	92	113	242	835	408	225	167	128
26	152	126	104	101	95	113	244	859	403	220	165	126
27	150	121	102	96	95	115	256	881	382	218	165	127
28	150	121	105	99	94	119	270	913	376	216	163	123
29	150	122	102	94	---	121	289	897	366	213	163	123
30	150	126	90	94	---	117	332	790	360	206	161	123
31	150	---	87	93	---	113	---	676	---	203	161	---
TOTAL	4928	3976	3478	3194	2696	3244	5677	17956	14816	8038	5553	4194
MEAN	159	133	112	103	96.3	105	189	579	494	259	179	140
MAX	172	145	132	120	104	121	332	913	616	353	203	161
MIN	150	121	87	83	91	88	106	293	360	203	161	123
AC-FT	9770	7890	6900	6340	5350	6430	11260	35620	29390	15940	11010	8320

CAL YR 1978 TOTAL 103520 MEAN 284 MAX 1050 MIN 70 AC-FT 205300
WTR YR 1979 TOTAL 77750 MEAN 213 MAX 913 MIN 83 AC-FT 154200

10109001 Logan River Above State Dam, Near Logan, UT--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 1979 TO SEPTEMBER 1980

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	126	117	99	99	94	108	105	808	646	632	285	214
2	123	115	108	99	96	108	105	808	715	627	276	212
3	123	115	109	99	96	113	105	736	822	601	276	212
4	123	115	106	97	98	116	107	741	808	574	273	212
5	124	115	106	99	93	115	107	782	808	552	267	211
6	123	115	106	99	96	115	116	802	799	533	264	209
7	123	115	108	94	95	113	116	797	772	517	262	211
8	121	115	108	96	92	109	111	789	768	495	258	211
9	123	115	106	99	89	109	111	865	808	481	258	207
10	121	118	105	103	92	108	114	811	853	462	256	207
11	121	117	105	89	92	108	114	728	889	452	250	223
12	121	115	91	114	95	110	114	668	912	434	246	229
13	122	113	100	144	95	107	121	599	916	425	246	212
14	124	113	103	168	95	107	137	569	908	415	243	204
15	122	112	100	128	98	109	158	573	868	401	243	194
16	120	112	103	115	100	109	194	586	818	390	250	192
17	118	112	101	110	103	106	224	565	804	380	243	192
18	120	114	100	108	125	109	256	540	810	370	234	192
19	141	112	100	102	133	109	320	552	824	364	233	192
20	150	110	100	95	125	104	402	625	833	353	233	187
21	130	109	101	98	118	109	453	706	820	346	230	192
22	125	104	101	94	116	109	484	804	802	338	227	192
23	125	109	100	94	113	109	537	880	779	329	227	187
24	124	109	100	97	104	107	546	898	758	323	222	190
25	123	109	101	98	106	109	517	808	732	316	222	188
26	122	109	100	96	106	107	546	728	706	307	222	188
27	119	107	95	93	106	106	554	668	678	304	222	185
28	117	98	95	91	108	106	567	650	648	299	215	183
29	117	97	94	96	111	102	636	650	624	293	214	183
30	117	96	94	91	---	107	679	625	617	291	214	181
31	117	---	97	91	---	105	---	633	---	288	214	---
TOTAL	3825	3332	3142	3196	2992	3368	8656	21994	23545	12892	7525	5992
MEAN	123	111	101	103	103	109	289	709	785	416	243	200
MAX	150	118	109	168	133	116	679	898	916	632	285	229
MIN	117	96	91	89	89	102	105	540	617	288	214	181
AC-FT	7590	6610	6230	6340	5930	6680	17170	43630	46700	25570	14930	11890

CAL YR 1979 TOTAL 75667 MEAN 207 MAX 913 MIN 83 AC-FT 150100
WTR YR 1980 TOTAL 100459 MEAN 274 MAX 916 MIN 89 AC-FT 199300

BEAR RIVER BASIN

10126000 Bear River Near Corinne, UT

LOCATION.--Lat 41°34'35", long 112°06'00", in SE1/4NE1/4 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 mi^2 (18,205 km^2).

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR UT-1974: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,204.6 ft (1,281.56 km), unadjusted. Auxiliary noncecording 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.--24 years, 1,719 ft^3/s (48.7 m^3/s), 1,245,000 acre-ft/yr (1.54 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,370 ft^3/s (209 m^3/s) June 17, 1971, gage height, 15.12 ft (4.609 m); minimum daily, 72 ft^3/s (2.04 m^3/s) Aug. 20, 21, 26, Sept. 8, 1964, July 5, 1970.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,970 ft^3/s (112 m^3/s) Mar. 20, gage height, 10.71 ft (3.264 m); minimum daily, 108 ft^3/s (3.06 m^3/s) Aug. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	690	850	825	1230	600	1520	2900	2160	1900	150	108	149
2	873	757	1100	900	1050	1100	2640	2230	1470	149	112	159
3	966	722	1650	1050	1230	2350	2610	2350	1240	147	112	157
4	967	774	1500	500	850	1100	2620	2400	820	145	111	148
5	1030	860	1320	1240	1280	1850	1680	2080	1060	145	110	150
6	707	1060	1300	1280	1050	900	2240	2020	940	143	111	151
7	762	970	1250	1140	1200	1530	1540	2260	780	143	113	159
8	564	1090	1050	1430	1000	1100	2440	2750	540	143	124	156
9	328	1330	1380	825	1130	2300	2030	2900	280	141	143	158
10	743	1310	900	1220	1450	1800	1760	2720	380	141	153	172
11	951	1390	980	825	1230	2160	2460	2290	160	139	146	147
12	899	1350	830	980	900	2150	2790	1960	160	138	149	159
13	889	857	800	1200	1280	2080	2130	1960	158	137	174	166
14	781	990	1300	1500	1100	2170	2710	1960	155	135	192	171
15	464	1080	1380	1250	1480	2410	1620	1600	144	135	192	172
16	299	1400	800	1100	1550	2010	1950	1450	138	133	183	159
17	613	1180	1450	1180	1800	2640	2530	1350	133	133	192	159
18	820	1050	1330	1220	1850	3380	2560	1350	133	133	185	174
19	966	990	1550	1340	1850	3630	2570	1500	145	132	179	172
20	966	1130	1080	750	1850	3900	3000	1620	171	129	184	172
21	876	1030	1630	1230	1650	3730	3130	1790	183	123	169	172
22	998	1100	1600	1100	1150	3760	2930	1700	182	137	168	169
23	463	1280	1030	1230	1500	3630	2630	1750	178	166	163	159
24	718	1000	780	1340	1100	3340	2870	1330	175	179	163	170
25	748	1100	1180	900	1450	3510	2430	780	173	192	162	171
26	806	1500	950	1280	1130	3050	2810	850	169	198	131	179
27	731	1250	1230	1040	1150	2960	2900	1700	164	196	137	187
28	877	1580	1050	1200	1130	2980	2880	1300	160	179	133	193
29	911	1100	1250	1440	---	3080	2530	1120	156	150	138	188
30	660	1180	1050	675	---	3090	2460	1900	154	128	144	168
31	899	---	1100	1200	---	2910	---	1350	---	115	143	---
TOTAL	23965	33260	36625	34795	35990	78120	74350	56480	12601	4554	4624	4966
MEAN	773	1109	1181	1122	1285	2520	2478	1822	420	147	149	166
MAX	1030	1580	1650	1500	1850	3900	3130	2900	1900	198	192	193
MIN	299	722	780	500	600	900	1540	780	133	115	108	147
AC-FT	47530	65970	72650	69020	71390	155000	147500	112000	24990	9030	9170	9850

CAL YR 1978 TOTAL 504495 MEAN 1382 MAX 4010 MIN 119 AC-FT 1001000
WTR YR 1979 TOTAL 400330 MEAN 1097 MAX 3900 MIN 108 AC-FT 794100

BEAR RIVER BASIN

10126000 Bear River Near Corinne, UT

LOCATION.--Lat 41°34'35", long 112°06'00", in SE1/4NE1/4 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 mi^2 (18,205 km^2).

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR UT-1974: Drainage area.

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 and period of no gage-height record, Dec. 14 to Jan., 16, which are fair. Natural flow of stream *affected by upstream reservoirs, power developments, diversions for irrigation, and return flow from irrigated areas.*

AVERAGE DISCHARGE.--25 years, 1,731 ft^3/s (49.0 m^3/s), 1,254,000 acre-ft/yr (1.55 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,880 ft^3/s (223 m^3/s) June 8, 1980, gage height, 15.87 ft (4.837 m); minimum daily, 72 ft^3/s (2.04 m^3/s) Aug. 20, 21, 26, Sept. 8, 1964, July 5, 1970.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,880 ft^3/s (223 m^3/s) June 8, gage height, 15.87 ft (4.837 m); minimum, 151 ft^3/s (4.28 m^3/s) Nov. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	166	180	700	700	800	1490	1630	4740	4100	1190	481	1200
2	160	660	900	250	1200	1710	1420	4800	4130	1350	780	1290
3	529	1720	750	1500	1400	1570	1480	4710	4600	1330	478	1580
4	804	1120	650	1300	1700	2110	1620	4580	5530	1200	395	1290
5	842	1390	800	700	1300	2150	1780	4700	6230	1360	511	1260
6	420	1120	657	650	1200	2430	1770	4880	6860	948	368	1490
7	261	1620	748	850	1300	2590	1840	4660	7460	1280	559	1670
8	242	988	668	1200	1000	2300	1530	4420	7850	1570	502	1590
9	598	804	1250	1400	1400	2380	1450	4400	7660	1590	428	1440
10	405	720	1360	1700	1200	2740	1600	4530	7320	1260	325	1400
11	258	762	750	1600	1200	2620	1930	4640	6960	1340	514	1280
12	233	1070	1200	1800	800	1340	1540	4760	6670	1060	769	1780
13	229	1410	1100	3200	850	1880	1740	4960	6390	646	460	1510
14	224	1360	600	5500	900	1580	1670	5190	6080	382	481	1550
15	233	968	800	6500	1900	1860	1940	5360	5740	964	532	1150
16	247	1220	950	6500	1000	1370	1480	5450	5360	853	598	1520
17	247	1420	700	6870	1370	1220	1770	5370	4920	916	1230	2280
18	254	944	850	6290	3110	1140	2380	5180	4350	864	1140	2520
19	280	1060	850	5050	3950	1360	2560	4940	4130	996	822	2710
20	988	968	1200	3650	4190	1330	2490	4640	4000	514	1420	2350
21	1170	1010	400	3240	4660	1960	2850	4520	3800	580	1320	1670
22	1730	1100	1300	2810	4800	2480	3190	4500	3620	678	1720	1240
23	2200	1000	1500	2270	4780	1700	3580	4380	3400	1600	1120	2270
24	1140	853	800	2020	4600	1650	3760	4290	3650	904	1270	2350
25	1940	850	1100	688	3940	1660	3850	4330	3650	720	832	1860
26	2580	626	450	1700	2920	1580	3890	4270	3050	832	1120	1620
27	1840	744	1000	1300	2940	972	3920	4330	2560	783	956	1480
28	980	500	700	1200	1980	1990	3920	4580	2300	671	1680	1850
29	310	800	1100	1700	2280	1880	3970	4730	1580	818	769	1590
30	213	650	700	800	---	1570	4430	4550	678	348	1130	1330
31	205	---	500	950	---	1510	---	4240	---	523	1040	---
TOTAL	21928	25537	27033	75888	64670	56122	72980	145630	144628	30070	25750	50120
MEAN	707	982	872	2448	2230	1810	2433	4698	4821	970	831	1671
MAX	2580	1720	1500	6870	4800	2740	4430	5450	7850	1600	1720	2710
MIN	160	180	400	250	800	972	1420	4240	678	348	325	1150
AC-FT	43490	58780	53620	150500	128300	111300	144800	288900	286900	59640	51080	99410

CAL YR 1979 TOTAL 385078 MEAN 1055 MAX 3900 MIN 108 AC-FT 763800
WTR YR 1980 TOTAL 744456 MEAN 2034 MAX 7850 MIN 160 AC-FT 1477000