USGS
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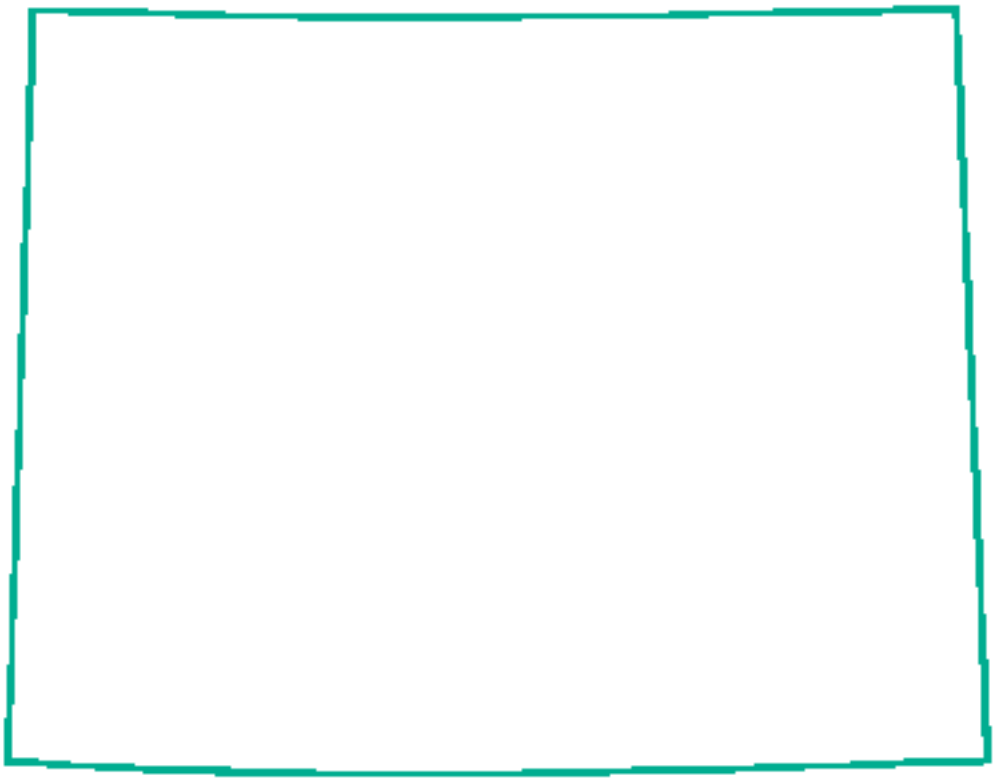
Water Resources Data
Wyoming
Water Year 2000

Volume 1. Surface Water

Water-Data Report WY-00-1



U.S. Department of the Interior
U.S. Geological Survey

Prepared in cooperation with the
Wyoming State Engineer and
with other State and local agencies

CALENDAR FOR WATER YEAR 2000

1999

OCTOBER

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2000

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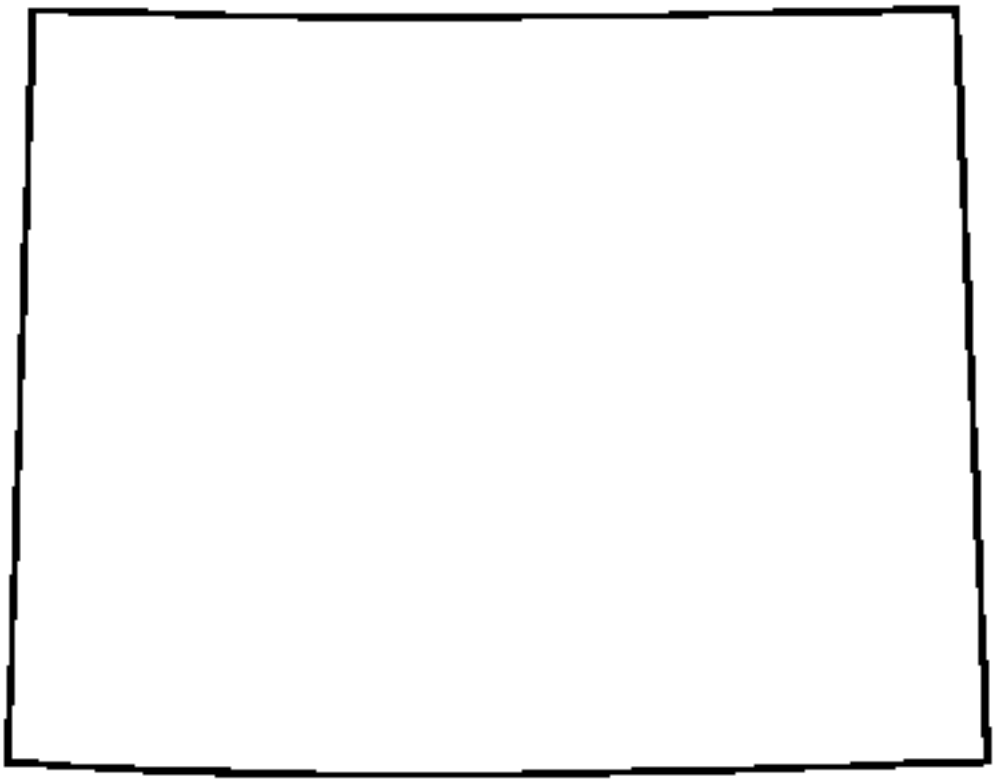
U.S. Department of the Interior
U.S. Geological Survey

Water Resources Data Wyoming Water Year 2000

Volume 1. Surface Water

By R.B. Swanson, M.L. Smalley, R.E. Woodruff, M.L. Clark

Water-Data Report WY-00-1



Prepared in cooperation with the
State of Wyoming and with other agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

GALE A NORTON, Secretary

GEOLOGICAL SURVEY

Charles G. Groat, Director

For information on the water program in Wyoming write to
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2001

PREFACE

This annual hydrologic data report of Wyoming is one of a series of annual reports that documents hydrologic data gathered from the U.S. Geological Survey's surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and the quality of water provide the hydrologic information needed by Federal, State, and local agencies, and the private sector for administrating, developing, and managing our Nation's land and water resources. These records are contained in 2 volumes:

Volume 1. Surface-Water Data
Volume 2. Ground-Water Data

These reports are the culmination of a concerted effort by personnel of the U.S. Geological Survey of the Wyoming District who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. The authors had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to U.S. Geological Survey policies and guidelines.

Most of the data were collected, computed, and processed from the Casper Field Headquarters, R. E. Woodruff, Chief and from the Riverton Field Headquarters, M. L. Smalley, Chief . The following personnel are recognized for their significant contributions to this report:

E. J. Blajszczak	K. J. Hedmark	L. Littau	W. J. Sadler
J. R. Elliott	G. A Laidlaw	G. Payne	K. R. Watson
N. Friday	T. J. Leman	T. A. Pointon	J. Wheeler
S. L. Green			

L. Littau, K. R. Watson, and S. L. Green typed and assembled the report; S. C. Roberts provided the illustrations.

This report was prepared under the general supervision of Myron H. Brooks, District Chief, Wyoming, and in cooperation with the State of Wyoming and with other agencies.

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13. ABSTRACT *(Maximum 200 words)*

Water resources data for the 2000 water year for Wyoming consists of records of stage, discharge and water quality of streams; stage and contents of lakes and reservoirs, and water levels and water quality of ground water. Volume 1 of this report contains discharge records for 141 gaging stations; stage and contents for 15 lakes and reservoirs; and water quality for 22 gaging stations and 21 ungaged stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements. These data together with the data in Volume 2 represent part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Wyoming.

14. SUBJECT TERMS
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CONTENTS

ILLUSTRATIONS

SURFACE-WATER STATIONS, IN DOWNSTREAM ORDER, FOR WHICH
RECORDS ARE PUBLISHED IN THIS VOLUME

[Letters after station names designate type of data: (d) discharge, (c) chemical, (m) microbiological, (s) sediment, (t) daily water temperature, (e) elevation, (v) contents]

DISCONTINUED AND ACTIVE SURFACE-WATER DISCHARGE, WATER-QUALITY, SEDIMENT, AND BIOLOGICAL STATIONS

The following surface-water, water-quality, sediment, and biological stations have been operated in and adjacent to Wyoming. The listing includes both discontinued and currently (2000) active stations. Reservoir stations also are included. Records have been collected and published for the period of record, expressed in calendar years, shown for each station. The listing is limited to those stations that have been part of systematic data-collection monitoring networks. Miscellaneous sites are not included. [--, drainage area not determined or no record available]

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN							
MADISON RIVER BASIN							
Firehole River (head of Madison River) near West Yellowstone, Mont	06036905	282	1983-95.	--	1983-93.	1988-93.	--
Gibbon River near West Yellowstone, Mont	06037000	118	1913-16;1983-95.	--	1983-93.	1988-93.	--
Madison River near West Yellowstone, Mont	06037500	420	1913-73;1983-86;1988-	--	1983-86; 1989-96.	1989-96.	--
GALLATIN RIVER BASIN							
Gallatin (West Gallatin) River near Gallatin Gateway (Bozeman), Mont	06043500	825	1889-94;1930-81;1984-	--	--	--	--
YELLOWSTONE RIVER BASIN							
Yellowstone Lake at Bridge Bay (Lake Hotel), Yellowstone National Park	06186000	1,006	1921a-82a.	--	--	--	--
Yellowstone River at Yellowstone Lake outlet, Yellowstone National Park	06186500	1,006	1922-86;1988-	--	--	--	--
Tower Creek at Tower Falls, Yellowstone National Park	06187500	50.4	1922-43.	--	--	--	--
Yellowstone River at Tower Junction, Yellowstone National Park, near	06187550	1,342	1983-86.	--	--	--	--
Soda Butte Creek at Yellowstone National Park boundary, near Silver Gate, Mont	06187915	28.2	1998-	--	1999-	1999-	1999-
Soda Butte Creek near Lamar Ranger Station, Yellowstone National Park	06187950	99.0	1988-	--	1988-89.	1988-89.	--
Lamar River near Tower Falls Ranger Station, Yellowstone National Park	06188000	660	1922-69;1985-86;1988-	--	1985-86; 1988-92.	1988-92.	--
Blacktail Deer Creek:							
East Fork Blacktail Deer Creek near Mammoth, Yellowstone National Park	06188500	10.3	1937-41.	--	--	--	--
Blacktail Deer Creek near Mammoth, Yellowstone National Park	06189000	14.3	1937-45;1988-93.	--	1988-89.	1988-89.	--

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
YELLOWSTONE RIVER BASIN--continued							
Gardner River:							
Lava Creek:							
Lupine Creek near Mammoth, Yellowstone National Park	06190000	4.67	1937-41.	--	--	--	--
Gardner River above Mammoth Springs outflow near Mammoth, Yellowstone National Park	06190370	--	--	--	1988-93.	--	--
Mammoth Springs outflow at Mammoth, Yellowstone National Park	06190415	--	--	--	1988-94.	--	--
Gardner River at Mammoth (Hotel) (near Mammoth Hot Springs), Yellowstone National Park	06190500	200	1922-38.	--	--	--	--
Gardner River Sinkhole Diversion near Mammoth, Yellowstone National Park	06190525	--	--	--	1988-92.	--	--
Hot River:							
Clematic Creek at Mammoth, Yellowstone National Park	06190530	--	--	--	1990-92.	--	--
Hot River at Mammoth, Yellowstone National Park	06190540	--	1988-95.	--	1988-94.	--	--
Gardner River near Mammoth, Yellowstone National Park	06191000	202	1938-72;1984-	--	1984-85; 1987-93.	1988-93.	--
LaDuke (Corwin) Hot Springs near Corwin Springs, Mont	06191400	--	--	--	1987-94.	--	--
Yellowstone River at Corwin Springs (Horr), Mont	06191500	2,623	1889-1893;1910-	--	1988-92, 1999-	1985-92, 1999-	1999-
Clarks Fork Yellowstone River at Montana-Wyoming State line, near Cooke City, Mont	06205450	--	--	--	1975-77; 1990-	1975-77.	--
Clarks Fork Yellowstone River (Clarks Fork) above Squaw Creek, near Painter	06205500	194	1945-51.	--	--	--	--
Crandall Creek:							
Lodgepole Creek at mouth, near Painter	06205950	8.51	1989.	--	--	--	--
Clarks Fork Yellowstone River (Clarks Fork) below Crandall Creek, near Painter	06206000	446	1929-32;1949-57.	--	--	--	--
Sunlight Creek near Painter	06206500	135	1929-32;1945-71.	--	--	--	--

Footnotes at end of table.

DISCONTINUED AND ACTIVE SURFACE-WATER DISCHARGE, WATER-QUALITY, SEDIMENT, AND BIOLOGICAL STATIONS--Continued

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
YELLOWSTONE RIVER BASIN--continued							
Clarks Fork Yellowstone River above Paint Creek, near Clark	06206600	--	--	--	1975-77.	1975-77.	--
Clarks Fork Yellowstone River (Clarks Fork) near Clark	06207000	912	1918-24.	--	--	--	--
Clarks Fork Yellowstone River (Clarks Fork) near Belfry (at Chance), Mont	06207500	1,154	1921-	--	1965-88.	1965;1971; 1984.	--
Big Sand Coulee above State ditch, near Badger Basin	06207507	98.3	1973-77.	--	1977.	1973-77.	--
Big Sand Coulee at Wyoming-Montana State line	06207510	134	1973-81.	--	1976-81.	1973-81.	--
Silver Tip Creek near Belfry, Mont	06207540	88.0	1967-75.	--	--	--	--
Wind River (head of Bighorn River) near Dubois	06218500	232	1945-92.	--	1947-50; 1953; 1965-86.	1970;1980.	1973-82.
Wagon Gulch near Dubois	06218700	4.89	--	1961-84.	--	--	--
Warm Spring Creek near Dubois	06219000	85.8	1911-12a.	--	1965.	--	--
Horse Creek at Dubois	06219500	120	1910-12.	--	--	--	--
Wind River at Dubois	06220000	486	1910-12.	--	1948-49.	--	--
East (North) Fork Wind River near Dubois	06220500	427	1950-57;1975-97.	--	1975-86; 1990.	1975-86.	--
Wind River above Red Creek, near Dubois	06220800	1,073	1990-	--	1986-92.	--	--
Red Creek near Dubois	06221000	--	1909a.	--	--	--	--
Wind River tributary near Burris	06221200	4.71	--	1961-72.	--	--	--
Dinwoody Creek above lakes, near Burris	06221400	88.2	1957-78;1988-	--	1988-92.	1970.	--
Dinwoody Creek near Burris (Crowheart, Lenore)	06221500	100	1909;1918-30;1950-58.	--	--	--	--
Wind River near Burris	06222000	1,236	1946-53.	--	--	--	--
Upper Wind River A Canal at Headworks, near Burris	06222100	--	1997-99.	--	--	--	--
Dry Creek near Burris, (at Crowheart) (near Lenore)	06222500	53.7	1909a;1921-40;1988-	--	1990.	--	--
Dry Creek Canal at headgate, near Burris	06222510	--	1989-99.	--	--	1990.	--
Crow Creek near Tipperary	06222700	30.2	1962-93.	--	1974-93.	--	--
Meadow Creek near Lenore (near J. K. Ranch Post Office)	06223000	41.7	1909a;1921-23.	--	--	--	--
Willow Creek near Crowheart (at J. K. Ranch Post Office) (near Lenore)	06223500	55.4	1909;1921-23; 1925-40;1988-	--	1990.	--	--

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
YELLOWSTONE RIVER BASIN--continued							
Wind River--continued							
Sand Draw near Crowheart	06223700	12.8	--	1961-77.	--	--	--
Wind River above Bull Lake Creek, near Crowheart	06223750	--	--	--	1990-91.	1990-91.	--
Wind River tributary No. 2 near Crowheart	06223800	3.16	--	1961-81.	--	--	--
Bull Lake Creek above Bull Lake (Bull Lake Reservoir)	06224000	187	1941-53;1966-	--	1974-	--	--
Bull Lake (Bull Lake Reservoir) near Lenore	06224500	b210	1938-a	--	--	--	--
Bull Lake Creek near Lenore	06225000	b213	1918-	--	1990.	--	--
Wind River near Crowheart	06225500	1,891	1945-	--	1976;1978; 1987-92.	1970-82; 1990-92.	--
Wyoming Canal near Lenore	06226000	--	1941-45;1949-82;1988-	--	1988.	1974-82; 1988.	--
Dry Creek:							
Little Dry Creek near Crowheart	06226200	10.5	--	1961-81.	--	--	--
Dry Creek near Crowheart	06226300	97.9	--	1959; 1961-81.	--	--	--
Pilot Canal:							
Pilot wasteway near Morton	06226500	--	1949-53.	--	--	--	--
Pilot Canal near Morton	06227000	--	1949-53.	--	1977.	--	--
Wyoming Canal below Pilot diversion, near Morton	06227500	--	1949-53.	--	--	1975-82.	--
Johnstown Ditch at Headworks, near Kinnear	06227596	--	1991-99.	--	--	--	--
Wind River near Kinnear	06227600	2,194	1974-79;1991-	--	1985-92.	1990-92.	--
LeClair Canal near Riverton	06227700	--	--	--	--	1976-77.	--
Lefthand Ditch at Headworks, near Riverton	06227810	--	1991-99.	--	--	--	--
Wind (Big Wind) River at (near) Riverton (near Arapahoe Agency)	06228000	2,309	1906-8;1911-	--	1947-50; 1965-95.	1949-51; 1959-65; 1971;1977; 1985-95.	1973-78; 1986-95.
South Fork Little Wind River above Washakie Reservoir, near Fort Washakie	06228350	90.3	1976-	--	1976-92.	--	--
South Fork Little Wind River below Washakie Reservoir, near Fort Washakie	06228450	93.5	1988-	--	1990.	--	--

Footnotes at end of table.

DISCONTINUED AND ACTIVE SURFACE-WATER DISCHARGE, WATER-QUALITY, SEDIMENT, AND BIOLOGICAL STATIONS--Continued

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
YELLOWSTONE RIVER BASIN--continued							
Wind River--continued							
(South Fork) Little Wind River near Fort Washakie ..	06228500	117	1921-40.	--	--	--	--
Ray Canal at headworks, near Fort Washakie	06228510	--	1989-99.	--	--	--	--
North Fork Little Wind River near Fort Washakie .	06228800	112	1988-	--	1990.	--	--
North Fork Little Wind River at Fort Washakie	06229000	128	1921-40.	--	--	--	--
Little Wind River at Fort Washakie.....	06229500	249	1908-9.	--	--	--	--
Sage Creek above Norkok Meadows Creek, near Fort Washakie.....	06229680	118	1990-95.	--	1990.	--	--
Norkok Meadows Creek near Fort Washakie.....	06229700	15.4	--	1965-81.	--	--	--
Sand Draw near Fort Washakie	06229800	99	--	1961-81.	--	--	--
Trout Creek near Fort Washakie.....	06229900	16.1	1990-	1961-68; 1970-84.	1990.	--	--
Trout Creek at Wind River	06230000	33.6	1909.	--	--	--	--
Mill Creek above Ray Lake outlet canal, near Fort Washakie.....	06230190	15.8	1990-96.	--	1990.	--	--
Ray Lake near outlet, near Fort Washakie.....	06230300	--	--	--	1960-70.	--	--
Little Wind River near Arapahoe	06230500	618	1950-53.	--	1992.	--	1992.
Little Wind River tributary near Hudson.....	06230800	2.98	--	1961-71.	--	--	--
Little Wind River above Arapahoe (Agency).....	06231000	660	1906-9;1911-18; 1979-95.	--	1966-92.	--	1973-77; 1989-92.
Middle (Middle Fork) Popo Agie River (Popo Agie River) near Lander.....	06231500	86.5	1911-12;1918-24.	--	--	--	--
Middle Popo Agie River below The Sinks, near Lander.....	06231600	87.5	1959-68.	1969-74.	--	1965.	--
Baldwin Creek below Dickinson Creek, at Lander.....	06231930	--	--	--	1989-	1989-	--
Little Dickinson Creek at Lander (formerly Baldwin Creek at Lander).....	06231950	--	--	--	1981.	--	1981.
North Popo Agie River near Milford.....	06232000	98.4	1945-63.	--	1990.	--	--
North (North Fork) Popo Agie River near Lander	06232500	134	1938-53.	--	--	--	--
Popo Agie River at Hudson Siding, near Lander ...	06232600	--	--	--	1983-	--	1983-89.
Little Popo Agie River near Atlantic City	06232800	5.99	1957-73.	--	--	--	--
Little Popo Agie River near Lander.....	06233000	125	1946-	--	--	--	--

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
YELLOWSTONE RIVER BASIN--continued							
Wind River--continued							
Little Wind River--continued							
Popo Agie River--continued							
Little Popo Agie River--continued							
Government Draw:							
Monument Draw at upper station, near Hudson	06233340	5.50	--	1965-72.	--	--	--
Monument Draw at lower station, near Hudson	06233360	8.38	--	1965-84.	--	--	--
Coal Mine Draw:							
Coal Mine Draw tributary near Hudson	06233440	63	--	1965-72.	--	--	--
Little Popo Agie River at Hudson	06233500	384	1907-9;1911-17; 1938-53.	--	--	--	--
Popo Agie River at Hudson	06233600	--	--	--	1966-69; 1984.	--	--
Popo Agie River near Arapahoe	06233900	796	1979-95.	--	1980-92.	--	1983; 1989.
Little Wind (Popo Agie) River below Arapahoe (Agency)	06234000	1,464	1906-9;1911-18.	--	--	--	--
Beaver Creek near Lander	06234500	113	1938-41.	--	--	--	--
South Fork Hall Creek near Lander	06234700	3.88	--	1960-72.	--	--	--
Big Sand Draw:							
Bobcat Draw near Sand Draw	06234800	b2.89	--	1969; 1971-81.	--	--	--
Beaver Creek near Arapahoe	06235000	354	1950-53.	--	1951; 1967-81; 1985-92.	1989-92.	--
Little Wind River (Popo Agie River) near Riverton	06235500	1,904	1941-	--	1953-54; 1965-	1959-65; 1971; 1989-93.	1987-
Haymaker Creek near Riverton	06235700	9.52	--	1961-64; 1966-73.	--	--	--
Kirby Draw near Riverton	06236000	129	1951-53.	1961-84.	--	--	--
Wind River above Boysen Reservoir, near Shoshoni	06236100	4,390	1990-	--	1973-93.	1991-	1974-89.

Footnotes at end of table.

DISCONTINUED AND ACTIVE SURFACE-WATER DISCHARGE, WATER-QUALITY, SEDIMENT, AND BIOLOGICAL STATIONS--Continued

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
YELLOWSTONE RIVER BASIN--continued							
Wind River--continued							
Muskrat Creek:							
Lower Fraser diversion reservoir (on Fraser Draw)	06236500	27.4	1953-67c.	--	--	--	--
Mahoney Reservoir (on Mahoney Draw)	06237000	9.82	1952-57d.	--	--	--	--
Conant Creek:							
Horseshoe Creek:							
Signor Reservoir (on Signor Draw)	06237500	7.15	1952-60d.	--	--	--	--
Rongis Reservoir (on Logan Draw)	06238000	37.0	1954-60d;1961-70c.	--	--	--	--
Rongis Reservoir Canal	06238500	--	1953-67c.	--	--	--	--
Dry Cheyenne Creek:							
West Fork Dry Cheyenne Creek at upper station, near Riverton	06238760	.69	--	1965-84.	--	--	--
West Fork Dry Cheyenne Creek tributary near Riverton	06238780	1.85	--	1965-72.	--	--	--
West Fork Dry Cheyenne Creek near Riverton	06238790	3.52	--	1965-70.	--	--	--
Muskrat Creek near Shoshoni	06239000	733	1950-73.	--	--	1950;1961; 1964; 1967-68; 1971-73.	--
Maverick Springs Draw (head of Fivemile Creek):							
Coal Draw:							
Reservoir No. 9 (on Paintrock Draw)	06239500	.64	1953-60d.	--	--	--	--
Reservoir No. 8	06240000	1.00	1953-60d.	--	--	--	--
Reservoir No. 7	06240500	4.57	1952-56d.	--	--	--	--
Reservoir No. 10	06241000	.13	1954-60d.	--	--	--	--
Reservoir No. 6	06241500	5.07	1954-57d.	--	--	--	--
Reservoir No. 5	06242000	5.14	1954-60d.	--	--	--	--
Reservoir No. 4	06242500	5.77	1954-57d.	--	--	--	--
Reservoir No. 3	06243000	5.84	1952-57d.	--	--	--	--
Reservoir No. 1	06243500	5.91	1954-57d.	--	--	--	--
Fivemile Creek Reservoir	06244000	72.8	1956-70c.	--	--	--	--
Lower Teapot Reservoir (on Teapot Draw)	06244200	13.5	1954-65c.	--	--	--	--

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
YELLOWSTONE RIVER BASIN--continued							
Wind River--continued							
Fivemile Creek above Wyoming Canal, near Pavillion	06244500	118	1949-75;1988-	--	1949-51; 1969; 1974-75; 1987-92.	1949-51; 1960-61; 1964-68; 1970-75; 1989-92.	--
Fivemile Creek near Pavillion	06245000	118	1948-49.	--	--	--	--
Powerline wasteway near Pavillion	06245500	--	1949-50.	--	--	1950.	--
Pavillion drain near Pavillion	06246000	--	1948-50.	--	1988.	1949-50; 1988.	--
Ocean drain at Ocean Lake outlet, near Pavillion	06246500	--	1948-53;1978-83.	--	1950-51; 1978-83; 1986;1988.	1950-51.	--
Ocean drain near Midvale	06246800	--	1979-82.	--	--	1979-82.	--
Ocean drain near Pavillion	06247000	--	1948-53.	--	--	1949-50.	--
Dudley wasteway near Pavillion	06247500	--	1949-50.	--	--	--	--
Kellett drain near Pavillion	06248000	--	1948-50.	--	--	1950.	--
Dewey drain near Pavillion	06248500	--	1948-50.	--	--	--	--
Fivemile 76 drain near Riverton	06249000	--	1949-50.	--	--	--	--
Sand Gulch drain and wasteway near Riverton	06249500	--	1949-50.	--	--	--	--
Fivemile Creek near Riverton	06250000	b356	1949-65.	--	1950-51.	1949-51; 1959-61; 1963-65.	--
Lost Wells Butte drain near Riverton	06250500	--	1949-50.	--	--	--	--
Coleman drain near Shoshoni	06251000	--	1948-50.	--	--	1950.	--
Sand Gulch near Shoshoni	06251500	18.6	1948-53.	--	1988.	1949-50; 1988.	--
Eagle drain near Shoshoni	06252000	--	1948-50.	--	--	--	--
Lateral P-34.9 wasteway near Shoshoni	06252500	--	1949-50.	--	--	--	--

Footnotes at end of table.

DISCONTINUED AND ACTIVE SURFACE-WATER DISCHARGE, WATER-QUALITY, SEDIMENT, AND BIOLOGICAL STATIONS--Continued

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
YELLOWSTONE RIVER BASIN--continued							
Wind River--continued							
Fivemile Creek near Shoshoni	06253000	b418	1941-42;1948-83;1988-	--	1948-51; 1953; 1965-86; 1988.	1949-51; 1959-61; 1963-68; 1972; 1974-75; 1978-85; 1988.	--
Lateral P-36.8 wasteway near Shoshoni	06253500	--	1949-50.	--	--	--	--
Poison Creek:							
Graham Draw:							
East Fork Reservoir	06254000	.81	1949-60d.	--	--	--	--
West Fork Reservoir	06254500	.38	1947-60d.	--	--	--	--
Graham Reservoir	06255000	3.12	1947-60d.	--	--	--	--
Dead Man Gulch:							
Dead Man Gulch tributary near Lysite	06255160	.54	--	1965-68; 1970-72.	--	--	--
Dead Man Gulch near Lysite	06255190	4.11	--	1965-73.	--	--	--
Dead Man Gulch near Moneta	06255200	4.46	--	1958-69.	--	1966.	--
Poison Creek tributary near Shoshoni	06255300	.39	--	1959-81.	--	--	--
Poison Creek near Shoshoni	06255500	500	1949-53;1955-56.	1961-68.	1951.	1949-51; 1964.	--
Badwater Creek at Lybyer Ranch, near Lost Cabin	06256000	131	1948-68.	--	--	--	--
Badwater Creek at Lost Cabin	06256500	166	1945-48.	--	--	--	--
Alkali Creek:							
E-K Creek:							
E-K Creek tributary near Arminto	06256550	.14	--	1960-68.	--	--	--
Red Creek near Arminto	06256600	7.15	--	1963-81.	--	1965.	--
Badwater Creek at Lysite	06256650	415	1965-73.	--	--	1966-68; 1970-73.	--
Badwater Creek tributary near Lysite	06256670	5.86	--	1966-73.	--	--	--
Bridger Creek:							
South Bridger Creek near Lysite	06256700	10.0	--	1960-81.	--	--	--

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
YELLOWSTONE RIVER BASIN--continued							
Wind River--continued							
Badwater Creek--continued							
Bridger Creek near Lysite	06256800	182	1965-73.	--	--	1966-68; 1970-73.	--
Dry Creek near Bonneville	06256900	52.6	1965-81.	--	1976-81.	1966-68; 1970-81.	--
Badwater Creek at Bonneville	06257000	808	1947-73.	--	--	1949-51; 1960-61; 1963-68; 1970-73.	--
Muddy Creek:							
Holland Creek:							
Warm Springs Creek near Pavillion	06257200	5.44	--	1961-69.	--	--	--
Shotgun Creek:							
Shotgun Creek tributary near Pavillion	06257300	2.57	--	1961-81.	--	--	--
Muddy Creek near Pavillion	06257500	267	1949-73.	--	1949-51; 1988-92.	1949-51; 1961; 1964-68; 1970-72.	--
Muddy Creek near Shoshoni	06258000	332	1949-68;1972-83.	--	1953; 1982-84; 1986;1988.	1949-51; 1960-61; 1964-68; 1982-85; 1988.	--
Cottonwood Creek drain near Shoshoni	06258010	--	--	--	--	1979-82.	--
Birdseye Creek near Shoshoni	06258400	13.2	--	1959-72.	--	--	--
Cottonwood (Dry Cottonwood) Creek near Bonneville	06258500	165	1949-53.	--	1949-50; 1976.	--	--
Boysen Reservoir	06258900	7,700	1951-a	--	--	--	--
Wind River below Boysen Reservoir	06259000	7,701	1951-	--	1953-54; 1956; 1960-92.	1979-86.	1973-87.

Footnotes at end of table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
YELLOWSTONE RIVER BASIN--continued							
Bighorn River at (near) Thermopolis	06259500	8,020	1900-5;1910-53.	--	1949-51; 1953-54; 1969-70.	1949-53.	--
South Fork Owl Creek near Anchor	06260000	85.5	1932;1939-43;1959-85; 1991-95.	--	1974-85.	1965; 1977-78.	1977-78.
Middle Fork Owl Creek above Anchor Reservoir	06260200	33.6	1959-65.	--	--	--	--
Anchor Reservoir	06260300	131	1960-a	--	--	--	--
South Fork Owl Creek below Anchor Reservoir	06260400	131	1959-	--	1974-86.	--	--
South Fork Owl Creek above Curtis Ranch, near Thermopolis	06260500	144	1943-59.	--	--	--	--
South Fork Owl Creek at Curtis Ranch, near Thermopolis	06261000	149	1931-32;1938-43.	--	--	--	--
South Fork Owl Creek near Thermopolis (Owl Creek near Embar)	06261500	180	1921-22;1929-32.	--	--	--	--
North Fork Owl Creek near Anchor	06262000	54.8	1941-62.	--	--	--	--
North Fork Owl Creek above Basin Ranch (below Cup Creek), near Anchor	06262300	e61	1962-75;1991-95.	--	--	--	--
North Fork Owl Creek at Crann Ranch, near Thermopolis	06262500	94.2	1938-39.	--	--	--	--
North Fork Owl Creek near Thermopolis	06263000	102	1930-32.	--	--	--	--
Mud Creek near Thermopolis	06263500	101	1938-39.	--	--	--	--
Owl Creek near Thermopolis	06264000	478	1910-17;1931-32; 1938-69.	--	1976.	1965.	1975.
Owl Creek near Lucerne	06264500	509	1932-33;1938-53.	--	--	--	--
Bighorn River at Lucerne	06264700	--	--	--	1966-	1990-92.	1978-
Kirby Creek near Lucerne	06265000	199	1941-45.	--	--	--	--
Sand Draw near Thermopolis	06265200	6.33	--	1960-81.	--	--	--
Cottonwood Creek at High Island Ranch (at county bridge), near Hamilton Dome	06265337	81.4	1993-	--	1977-78.	1977-78.	1977-78.
Cottonwood Creek at State Highway 120, near Hamilton Dome	06265410	--	--	--	1977-78.	1977-78.	1977-78.
Grass Creek above Little Grass Creek, near Grass Creek	06265435	--	--	--	1977-78.	1977-78.	1977-78.
Grass Creek near mouth, near Hamilton Dome	06265492	--	--	--	1977-78.	1977-78.	1977-78.

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
YELLOWSTONE RIVER BASIN--continued							
Bighorn River--continued							
Cottonwood Creek at Winchester	06265500	416	1941-49;1977-78.	--	1977-78.	1965-66; 1977-78.	1977-78.
Tie Down Gulch near Worland	06265600	1.78	--	1961-84.	--	--	--
Gooseberry Creek at Dickie	06265800	95	1957-78.	--	1977-78.	1977-78.	1977-78.
Gooseberry Creek near Grass Creek	06266000	142	1945-57.	--	--	--	--
Gillies Draw:							
Gillies Draw tributary near Grass Creek	06266320	1.30	--	1965-73.	--	--	--
Gooseberry Creek at State Highway 431, near Grass Creek	06266450	--	1977-78.	--	1977-78.	1977-78.	1977-78.
Murphy Draw near Grass Creek	06266460	2.32	--	1965-81.	--	--	--
Gooseberry Creek near Dickie	06266500	289	1938-41.	--	1983.	--	--
Gooseberry Creek at Neiber (Pulliam)	06267000	361	1941-53.	--	--	1965-66.	--
Bighorn River at Neiber	06267050	--	--	--	1965-69; 1976.	--	--
Nowater Creek:							
East Fork Nowater Creek:							
North Prong East Fork Nowater Creek near Worland	06267260	3.77	--	1964-84.	--	--	--
North Prong East Fork Nowater Creek tributary near Worland	06267270	2.11	--	1965-73.	--	--	--
Denver Jake Reservoir (on unnamed tributary of East Fork)	06267300	--	1958-67f.	--	--	--	--
East Fork Nowater Creek near Colter	06267400	149	1971-91.	--	1977-81.	1977-81.	--
Fifteenmile Creek:							
Red Spires Reservoir (on Rock Waterhole Creek)	06267500	5.24	1954-59d;1960-67c.	--	--	--	--
Middle Fork Fifteenmile Creek near Worland	06267900	--	--	--	1978-82.	1978-82.	1978-82.
Big Gin Reservoir (on unnamed tributary)	06268000	.94	1954-59d;1960-67c.	--	--	--	--

Footnotes at end of table.

DISCONTINUED AND ACTIVE SURFACE-WATER DISCHARGE, WATER-QUALITY, SEDIMENT, AND BIOLOGICAL STATIONS--Continued

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
YELLOWSTONE RIVER BASIN--continued							
Bighorn River--continued							
Fifteenmile Creek near Worland	06268500	518	1951-72;1978-86.	1973-78.	1965; 1978-81; 1983-86; 1989-92.	1949-51; 1959-61; 1963-68; 1970-72; 1978-86; 1989-92.	1978-81.
Bighorn River at Worland	06268600	10,810	1965-69.	--	1964-86.	1965-68.	
Slick Creek near Worland	06268640	--	--	--	1981-86.	--	--
Bighorn River near Manderson	06269000	11,020	1949-53;1955-56.	--	1950-51; 1966-71.	1949-51.	--
Bighorn River at Manderson	06269500	11,048	1941-49.	--	1976.	--	--
Nowood River:							
Spring Creek near Ten Sleep	06269700	57.9	--	1961-74.	--	1967.	--
Nowood River (Creek) tributary near Ten Sleep	06269750	.42	--	1960-81.	--	--	--
Nowood River (Creek) near Ten Sleep	06270000	803	1938-43;1950-55; 1972-92.	--	1967-86.	1971-82.	--
Tensleep Creek:							
Leigh Creek near Ten Sleep	06270200	2.54	--	1961-74.	--	--	--
Canyon Creek:							
Canyon Creek tributary near Ten Sleep	06270300	.52	--	1961-74.	--	--	--
Canyon Creek below Cooks Canyon, near Ten Sleep	06270450	72	1969-71.	--	1969-71.	1969-71.	--
Canyon Creek near Ten Sleep	06270500	86.1	1939-44.	--	--	--	--
Tensleep Creek near Ten Sleep	06271000	247	1910-12;1914-24; 1943-72.	--	1967.	--	--
Brokenback Creek near Ten Sleep	06271200	55.0	--	1961-70.	--	--	--
Paintrock Creek below Lake Solitude	06271500	16.0	1946-53.	--	--	--	--
Paintrock Creek at Longview ranger station, near Hyattville	06272000	79.9	1911-12a.	--	--	--	--
Paintrock Creek near Hyattville	06272500	164	1920-27;1941-53.	--	1951.	--	--
Medicine Lodge Creek near Hyattville	06273000	86.8	1942-73.	--	1951;1968.	--	--

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
YELLOWSTONE RIVER BASIN--continued							
Bighorn River--continued							
Nowood River--continued							
Paint Rock Creek near mouth (near Bonanza), below Hyattville	06273500	376	1910-13;1915-22.	--	1951-53; 1967-84.	--	--
Nowood River (Creek) at Bonanza	06274000	1,730	1910-28.	--	--	--	--
Sand Creek:							
East Fork Sand Creek near Worland	06274100	19.1	--	1960-71.	--	--	--
Nowood River tributary No. 2 near Basin	06274190	1.51	--	1965-84.	--	--	--
Nowood River tributary No. 2 near Manderson	06274200	1.59	--	1961-71.	1978.	1967.	--
Nowood River at Manderson	06274220	e2,000	--	--	1965-86.	1950; 1965-67.	--
Elk Creek near Basin	06274250	96.9	--	1959-81.	--	1967.	--
Bighorn River at Basin	06274300	13,223	1983-	--	1983-	1989-92.	1983-
Greybull River near Pitchfork	06274500	282	1946-49;1951-71.	--	--	--	--
Wood River near Kirwin	06274800	7.66	1970-75.	--	--	1975.	--
Wood River at Kirwin	06274810	11.4	1970-78.	--	--	1975.	--
Wood River at Sunshine	06275000	e194	1945-92.	--	--	1975.	--
Wood River near Meeteetse	06275500	211	1910-12;1914-17; 1929-49.	--	--	--	--
Greybull River near Meeteetse	06276000	659	1910-12;1915-16;1920.	--	--	--	--
Greybull River at Meeteetse	06276500	681	1897;1903;1920-	--	1996-	1975.	--
Bench Canal near Burlington	06277000	--	1930-38.	--	--	--	--
Greybull River near Basin	06277500	1,115	1930-73.	--	1951-53; 1965-92.	1950; 1965-66; 1972; 1989-92.	--
Dry Creek:							
Twentyfour Mile Creek near Emblem	06277700	12.8	--	1960-81.	--	--	--
Dry Creek tributary near Emblem	06277750	.65	--	1960-68; 1970-81.	--	--	--
Dry Creek near Greybull	06277950	432	1979-81.	--	1979-81.	1979-80.	1979-81.

Footnotes at end of table.

DISCONTINUED AND ACTIVE SURFACE-WATER DISCHARGE, WATER-QUALITY, SEDIMENT, AND BIOLOGICAL STATIONS--Continued

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
YELLOWSTONE RIVER BASIN--continued							
Bighorn River--continued							
Dry Creek at Greybull	06278000	433	1951-53;1955-60.	--	1950-51; 1957-60; 1965; 1979-80.	1949-51; 1959-60; 1979-80.	1979-80.
Shell Creek above Shell (Creek) Reservoir	06278300	23.1	1956-	--	--	--	--
Granite Creek near Shell Creek ranger station, near Shell (formerly Granite Creek near Shell ranger station, near Shell)	06278400	11.1	--	1961-74.	--	--	--
Shell Creek near Shell	06278500	145	1940-	--	1951;1976; 1982.	1967.	--
Shell Creek at Shell	06279000	256	1911-23.	--	--	--	1973-74.
Red Gulch near Shell	06279020	47.8	--	1967; 1970-81.	--	--	--
Shell Creek at Porter Gulch, near Greybull	06279050	--	--	--	1983-89.	--	1989-90.
Shell Creek near Greybull	06279090	e560	--	--	1951; 1965-86.	1965-67.	1973-78.
Bighorn River at Kane	06279500	15,765	1928-	--	1947-53; 1955-57; 1960-97, 1999-	1949-51; 1959-61; 1964; 1969-92, 1999-	1972-81; 1984-89, 1999-
Willow Creek near Kane	06279700	14.0	--	1961-75.	--	--	--
North Fork Shoshone River:							
Jones Creek at mouth, near Pahaska	06279790	24.8	1989-93.	--	1989-93.	1989-93.	--
Crow Creek at mouth, near Pahaska	06279795	19.1	1989-93.	--	1989-93.	1989-93.	--
North Fork Shoshone River at Pahaska	06279800	108	1989-90.	--	--	--	--
Middle Creek at East Entrance, Yellowstone National Park	06279850	32.6	1981-84.	--	1968-70.	--	--
North Fork Shoshone River at Wapiti	06279940	669	1990-	--	1989-90.	--	1989-90.
Trout Creek near Wapiti	06279950	49.4	--	1961-74.	--	--	--
North Fork Shoshone River near Wapiti	06280000	775	1921-26;1979-89.	--	1981-86.	--	--
South Fork Shoshone River near Valley	06280300	297	1956-	--	1984.	1958-64.	--
South Fork Shoshone River (Shoshone River) near Ishawooa	06280500	541	1915-24.	--	--	--	--

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
YELLOWSTONE RIVER BASIN--continued							
Bighorn River--continued							
Shoshone River--continued							
South Fork Shoshone River (Shoshone River) above Buffalo Bill Reservoir (at Marquette)	06281000	585	1903;1905-8;1921-26; 1973-	--	1982-92.	--	--
Diamond Creek near mouth, near Cody	06281400	7.34	1980-92.	--	--	--	--
Buffalo Bill (Shoshone) Reservoir near Cody	06281500	1,498	1909-	--	--	--	--
Shoshone River above Demaris Springs, near Cody	06281700	--	--	--	1987-	1989.	1989.
Shoshone River below Buffalo Bill (Shoshone) Reservoir	06282000	1,538	1921-	--	1947-49; 1964-86.	--	1973-78.
Shoshone River at (near) Cody	06282500	1,603	1902-9.	--	--	--	--
Cottonwood Creek:							
Cottonwood Creek tributary near Cody	06282700	.76	--	1961-73.	--	--	--
Shoshone River above Dry Creek, near Cody	06282900	--	--	--	1974-89.	--	1974-89.
Shoshone River at Corbett Dam	06283000	1,793	1908-25.	--	--	--	--
Garland Canal (Corbett Tunnel) at Corbett Dam	06283500	--	1909-20;1922-26.	--	--	--	--
Shoshone River above Willwood Dam, near Willwood	06283800	1,830	1979-82.	--	--	1979-82.	--
Shoshone River at Willwood Dam	06284000	1,833	1925-26.	--	--	--	--
Willwood Canal near Ralston	06284005	--	--	--	--	1981-83.	--
Shoshone River below Willwood Dam, near Ralston	06284010	--	--	--	--	1972; 1981-83.	--
Shoshone River at Willwood	06284200	1,980	1974-79.	--	1976.	--	--
Roan Wash near Garland	06284380	--		--	1985-92.	--	--
Shoshone River near Garland	06284400	2,036	1958-79.	--	1958-59; 1967-71; 1974-92.	--	--
Bitter Creek below sewage lagoon, near Powell	06284450	--	--	--	1981-92.	--	1981-89.
Bitter Creek near Garland	06284500	80.5	1951-53;1958-61; 1969-87.	--	1949-53; 1958-60; 1969-	1950-51.	1973-78; 1984-89; 1993-
Whistle Creek near Garland	06284800	101	1958-60;1968-87.	--	1959-60; 1969-87.	--	--

Footnotes at end of table.

DISCONTINUED AND ACTIVE SURFACE-WATER DISCHARGE, WATER-QUALITY, SEDIMENT, AND BIOLOGICAL STATIONS--Continued

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
YELLOWSTONE RIVER BASIN--continued							
Bighorn River--continued							
Shoshone River at Byron	06285000	2,345	1929-66.	--	1964-66; 1976.	1950.	--
Shoshone River near Lovell	06285100	e2,350	1966-	--	1966-97.	1971-82; 1990-92.	1978-81; 1987-89.
Sage Creek at Sidon Canal, near Deaver	06285400	341	1958-60;1968-87.	--	1958-60; 1969-87.	--	--
Sage Creek near Lovell	06285500	381	1951-60.	--	1965;1967; 1969-71.	--	--
Shoshone River at Lovell	06286000	2,832	1897-98;1899a.	--	1999-	--	--
Shoshone River at Kane	06286200	2,989	1957-58.	--	1958-68; 1976-89, 1999.	1959-61; 1964, 1999.	1982-89, 1999.
Bighorn River near Lovell	06286250	e18,900	1964-66.	--	--	--	--
Crooked Creek:							
Big Coulee near Lovell	06286258	30.1	1970-78.	--	--	1970-74; 1976-77.	--
Crooked Creek near Lovell	06286260	e119	1964-67.	--	--	--	--
Porcupine Creek near Lovell.	06286270	e135	1964-67.	--	--	--	--
Bighorn Lake (Yellowtail Reservoir) near St. Xavier, Mont	06286400	19,626	1965-	--	--	--	--
Bighorn River near St. Xavier, Mont	06287000	19,667	1934-	--	1966-81.	--	--
Little Bighorn River below Dayton Gulch, near Burgess Junction	06288600	15.9	1982-87.	--	--	--	--
Dry Fork below Lick Creek, near Burgess Junction	06288700	54.1	1982-87;1992-95.	--	--	--	--
Little Bighorn River near Parkman	06288960	137	1969-72.	--	--	--	--
Elkhorn Creek above Fuller Ranch Ditch, near Parkman	06288975	4.58	1982-87.	--	--	--	--
West Fork Little Bighorn River near Parkman	06288990	38.6	1969-72;1982-87.	--	--	--	--
Little Bighorn (Little Horn) River at State line, near Wyola, Mont	06289000	193	1939-	--	1992-	1992-	1992-
Powers Upper Ditch (Spring Creek):							
Red Canyon Creek near Parkman	06289100	3.20	1983-90.	--	--	--	--
Little Bighorn (Little Horn) River near Wyola, Mont	06289500	251	1911-24.	--	--	--	--

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
YELLOWSTONE RIVER BASIN--continued							
Bighorn River--continued							
Little Bighorn River--continued							
Pass Creek:							
West Pass Creek near Parkman	06289600	15.4	1982-	--	--	--	--
East Pass Creek near Parkman	06289800	11.6	1974-76.	--	--	--	--
East Pass Creek near Dayton	06289820	21.7	1982-	--	--	--	--
Twin Creek near Parkman	06289870	27.0	1982-90.	--	--	--	--
Pass Creek near Wyola, Mont	06290000	111	1935-56.	--	--	--	--
Little Bighorn (Little Horn) River below Pass Creek, near Wyola, Mont	06290500	428	1939-75.	--	--	--	--
Lodge Grass Creek at State line, near Wyola, Mont	06291200	16.7	1982-89.	--	--	--	--
North Tongue River:							
Hideout Creek near Dayton	06296400	2.89	--	1961-67.	--	--	--
North (Fork) Tongue River near Dayton	06296500	32.4	1945-57.	--	--	--	--
Big Willow Creek near Dayton	06296700	7.08	--	1961-73.	--	--	--
South (Fork) Tongue River near Dayton	06297000	85	1945-72.	--	--	--	--
Tongue River at Tongue Canyon Campground, near Dayton	06297480	202	1974-79.	--	--	--	--
Highland ditch near Dayton	06297500	--	1919-23;1940-	--	--	--	--
Tongue River near Dayton	06298000	204	1918-29;1940-	--	1966-81; 1987-88, 1999-	1999-	1973-77; 1980, 1999-
Little Tongue River at Steamboat Point, near Dayton	06298480	11.4	1974-76.	--	--	--	--
Little Tongue River above South Fork Little Tongue River, near Dayton.	06298490	14.1	1975-76.	--	--	--	--
Little Tongue River near Dayton	06298500	25.1	1951-53;1955-74.	--	1971.	--	--
Tongue River at Dayton	06299000	259	1903.	--	--	--	--
Wolf Creek below Alden Creek, near Wolf	06299480	32.8	1974-76.	--	--	--	--
Wolf Creek above Red Canyon Creek, at Wolf	06299490	33.8	1974-76.	--	--	--	--
Wolf Creek at Wolf	06299500	37.8	1945-	--	1985.	--	--
Slater Creek near Monarch	06299900	18.0	--	1967-81.	--	1967.	--
Tongue River at Monarch	06299980	--	--	--	1974-80; 1982-83.	1976-77.	1976-80; 1982-83.

Footnotes at end of table.

DISCONTINUED AND ACTIVE SURFACE-WATER DISCHARGE, WATER-QUALITY, SEDIMENT, AND BIOLOGICAL STATIONS--Continued

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
YELLOWSTONE RIVER BASIN--continued							
Tongue River at Carneyville	06300000	495	1911-13;1915-17.	--	--	--	--
East Fork Big Goose (East Goose) Creek near Big Horn	06300500	20.1	1953-	--	--	--	--
Cross Creek above Big Horn Reservoir, near Big Horn	06300900	9.29	1960-71.	--	--	--	--
Cross Creek near Big Horn	06301000	9.63	1953-60.	--	--	--	--
West Fork Big Goose Creek:							
Coney Creek above Twin Lakes, near Big Horn	06301480	3.41	1990-	--	--	--	--
Lost Lake Creek near Big Horn	06301485	2.14	1990-93.	--	--	--	--
Snail Creek near Big Horn	06301490	1.36	1990-93.	--	--	--	--
Coney Creek below Twin Lakes, near Big Horn	06301495	8.07	1990-94;1995-	--	--	--	--
West Fork Big Goose (West Goose) Creek near Big Horn	06301500	24.4	1953-	--	--	--	--
Big Goose (Goose) Creek near Sheridan	06302000	120	1929-	--	1987-89.	1989-92.	1989-99.
Big Goose Creek above Park Creek, near Sheridan	06302200	--	1999-	--	1999-2000.	--	1999-2000.
Goose Creek at Sheridan	06302500	182	1909-13;1915-16.	--	--	--	--
Little Goose Creek:							
Willow Creek near Big Horn	06303000	2.99	1953-55.	--	--	--	--
Little Goose Creek in canyon, near Big Horn	06303500	51.6	1941-	--	--	--	--
Little Goose Creek above Davis Creek, near Big Horn	06303700	--	1999-	--	--	--	--
Little Goose Creek near Big Horn	06304000	71	1919-21.	--	--	--	--
Little Goose Creek at Sheridan	06304500	159	1896-97;1911-12.	--	1979-	1990-92.	1979-
Goose (Big Goose) Creek below Little Goose Creek, at Sheridan	06305000	341	1895;1896-97.	--	--	--	--
Goose Creek below Sheridan	06305500	392	1941-84.	--	1959-64; 1967-	1971-82; 1989-92.	1973-
Goose Creek near Acme	06305700	411	1984-	--	1983-89.	--	1983-87.
Tongue River near Acme	06306000	894	1938-57.	--	--	--	--
Squirrel Creek near Decker, Mont	06306100	33.6	1975-85.	--	1975-85.	--	--
Prairie Dog Creek near Acme	06306250	358	1970-79; 2000-	--	1976-92; 2000-	1976-77.	1976-77.
Tongue River at State line, near Decker, Mont	06306300	1,477	1960-	--	1965-	1976-77; 1979-83; 2000-	1973-89.

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
YELLOWSTONE RIVER BASIN--continued							
Middle Fork Powder River--continued							
Deer Creek near Decker, Mont	06306800	38.3	--	--	1975-77.	1975-76.	--
Middle Fork Powder River near Barnum	06309200	45.2	1961-	--	--	--	--
Buffalo Creek above North Fork Buffalo Creek, near Arminto	06309260	8.80	1974-79.	--	--	--	--
North Fork Buffalo Creek near Arminto	06309270	8.10	1974-79.	--	--	--	--
Buffalo Creek below North Fork Buffalo Creek, near Arminto	06309280	18.6	1974-79.	--	--	--	--
Beaver Creek below Bayer Creek, near Barnum	06309450	10.9	1974-89.	--	--	--	--
Beaver Creek above White Panther Ditch, near Barnum	06309460	24.2	1974-89.	--	--	--	--
Middle Fork Powder River above Kaycee	06309500	e450	1949-70;1984-92.	--	1949; 1952-54; 1984-92.	1966-68; 1970.	1984-92.
Red Fork near Barnum	06310000	e142	1929-32;1950-53.	--	1988-89.	--	--
Middle Fork Powder River at Kaycee	06310500	647	1911-12;1929-32.	--	1977.	--	--
North Fork Powder River near Hazelton	06311000	24.5	1946-	--	--	--	--
North Fork Powder River below Bull Creek, near Hazelton	06311060	32.3	1974-92.	--	1970-71.	--	--
North Fork Powder River below Pass Creek, near Mayoworth	06311400	100	1973-	--	--	--	--
North Fork Powder River near Mayoworth	06311500	106	1940-73.	--	1971.	--	--
North Fork Powder River near Kaycee	06312000	244	1911;1929-32.	--	1988-89.	--	--
Powder River near Kaycee	06312500	e980	1933-35;1938-71.	--	1946; 1949-50; 1952-54; 1968-91.	--	1973-89.
South Fork Powder River near Powder River	06312700	262	--	1961-84.	--	--	--
Cottonwood Creek:							
North Fork Cottonwood Creek:							
Sanchez Creek above reservoir, near Arminto	06312795	5.53	--	1970-81.	--	--	--
Sanchez Creek near Arminto	06312800	5.95	--	1961-76.	--	--	--

Footnotes at end of table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
YELLOWSTONE RIVER BASIN--continued							
Powder River--continued							
Dead Horse Creek:							
Dead Horse Creek tributary near Midwest	06312910	1.53	--	1965-72.	--	--	--
Dead Horse Creek tributary No. 2 near Midwest	06312920	1.34	--	1965-72.	--	--	--
South Fork Powder River near Kaycee	06313000	e1,150	1911;1938-40; 1950-69; 1978-80; 1983-84.	--	1949; 1951-53; 1968-81; 1983-89; 1992.	1950-51; 1983-84; 1986-87.	1975-80.
Salt Creek:							
Bobcat Creek near Edgerton	06313020	8.29	--	1965-81.	--	--	--
Coopers Draw near Edgerton	06313030	1.11	--	1965-73.	--	--	--
Seven L Creek near Edgerton	06313040	7.10	--	1965-73.	--	--	--
Teapot Creek:							
East Teapot Creek near Edgerton	06313050	5.44	--	1965-72; 1974-79.	--	--	--
Coal Draw near Midwest	06313100	11.4	--	1961-84.	--	--	--
Dugout Creek:							
Dugout Creek tributary near Midwest	06313180	b.8	1975-83.	1965-74.	--	1982-83.	--
Hay Draw near Midwest	06313200	1.60	--	1958-70.	--	--	--
Salt Creek near Sussex	06313400	769	1976-81;1982-93.	--	1967-	1975-81; 1983-87.	1976-77; 1980.
North Spring Draw near Sussex	06313450	5.21	--	1980-81.	--	--	--
Powder River at Sussex	06313500	e3,090	1938-40;1950-57; 1977-84; 1985-98.	--	1966-68; 1976-	1967; 1976-87.	1976-81.
Bugher Draw near Buffalo	06313600	4.57	--	1961-71.	--	--	--
Van Houten Draw near Buffalo	06313630	10.8	--	1971-81.	--	--	--
Powder River above Dead Horse Creek, near Buffalo (formerly 441252106090801)	06313665	--	--	--	1978; 1988-89.	--	--
Dead Horse Creek near Buffalo	06313700	151	1971-90; 2000-	1958-71.	1976; 1980-81; 1989; 2000-	1976.	1976; 1978.
North Fork Crazy Woman Creek:							
Caribou Creek near Buffalo	06313900	5.08	--	1961-74.	--	--	--

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
YELLOWSTONE RIVER BASIN--continued							
Powder River--continued							
North Fork Crazy Woman Creek below Pole Creek, near Buffalo	06313950	43.4	1973-84.	--	--	--	--
North Fork Crazy Woman Creek near Buffalo	06314000	44.9	1942-49;1973-84.	--	--	--	--
North Fork Crazy Woman Creek below Spring Draw, near Buffalo	06314500	51.7	1949-79.	--	--	--	--
North Fork Crazy Woman Creek near Greub	06315000	174	1950-68.	--	--	1966-68.	1978.
Middle Fork Crazy Woman Creek:							
Poison Creek below Tetley Spring, near Mayoworth	06315480	19.0	1974-76.	--	--	--	--
Poison Creek near Mayoworth	06315490	24.7	1974-76.	--	--	--	--
Middle Fork Crazy Woman Creek near Greub	06315500	82.7	1942-72.	--	--	--	1983.
Crazy Woman Creek near Buffalo	06316000	464	1929-32.	--	--	--	1976-81
Crazy Woman Creek at upper station, near Arvada	06316400	e945	1963-70;1977-81.	--	1949-50; 1966-	1950; 1966-67; 1976-81; 1990-	1976-81.
Headgate Draw at upper station, near Buffalo	06316480	3.1	--	1965-73.	--	--	--
Headgate Draw at lower station, near Buffalo	06316490	e2.6	--	1965-73.	--	--	--
Crazy Woman Creek near Arvada	06316500	956	1939-43;1950-64.	--	--	--	--
Coal Draw near Buffalo (formerly Powder River tributary near Buffalo)	06316700	1.64	--	1965-84.	--	--	--
Powder River at Arvada	06317000	e6,050	1919-	--	1946; 1948-53; 1955;1967-	1968; 1970-79; 1983-84; 1986-87.	1972-82.
Wild Horse Creek at Arvada	06317020		2000-		2000-		
Spotted Horse Creek:							
Spotted Horse Creek tributary near Spotted Horse	06317050	3.98	--	1961-81.	--	--	--
Powder River near Arvada	06317100	e6,580	1915-19.	--	--	--	--
Clear Creek:							
Sourdough Creek near Buffalo	06317300	5.80	1985-90.	--	--	--	--
Little Sourdough Creek near Buffalo	06317340	4.53	1985-88.	--	--	--	--
North Fork Clear Creek near Buffalo	06317500	29.0	1949-68.	--	--	--	--
Clear Creek at Camp Comfort, near Buffalo	06318000	e110	1911-12a.	--	--	--	--

Footnotes at end of table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
YELLOWSTONE RIVER BASIN--continued							
Powder River--continued							
Clear Creek near (at) Buffalo	06318500	120	1894;1896-99;1917-27; 1938-92.	--	1977-78.	1977-78.	1976-78.
Clear Creek at Buffalo	06319000	e130	1902a;1903-4;1911-12.	--	--	--	--
Bull Creek:							
Sand Creek near Buffalo	06319100	10.8	--	1969-84.	--	--	--
South Rock Creek (head of Rock Creek) at forest boundary, near Buffalo	06319470	40.3	1974-76.	--	--	--	--
South Rock Creek above Red Canyon, near Buffalo	06319480	40.5	1974-76.	--	--	--	--
South Fork Rock Creek near Buffalo	06319500	43.8	1941-43;1950-53.	--	--	--	--
Rock Creek near Buffalo	06320000	60.0	1941-	--	1978.	--	--
Clear Creek below Rock Creek, near Buffalo	06320200	322	1971-81.	--	1975-91.	1975-81.	1976-89.
Clear Creek near Kumer Draw, near Buffalo	06320210	--	--	--	1993-	--	1993-
Clear Creek at Ucross	06320400	409	1976-81.	--	1975-81; 1983-92.	1975-81.	1976; 1978.
South Piney Creek (head of Piney Creek) at Willow Park	06320500	33.6	1945-57;1959-	--	--	--	--
South Piney Creek near Story	06321000	69.4	1951-80.	--	--	--	--
Mead-Coffeen ditch above fish hatchery, near Story	06321020	--	1974-79.	--	--	--	--
Mead-Coffeen ditch below fish hatchery, near Story	06321040	--	1974-79.	--	--	--	--
South Piney Creek below Mead-Coffeen ditch, near Story	06321100	69.5	1974-79.	--	--	--	--
North Piney Creek near Story	06321500	36.8	1951-82.	--	1976-77.	1976-78.	1976.
Spring Creek near Story	06321800	--	1974-79.	--	--	--	--
Cruez ditch near Story	06322000	--	1903a.	--	--	--	--
Prairie Dog ditch near Story	06322500	--	1903a.	--	--	--	--
Piney Creek at Kearney	06323000	118	1902-6;1910-17; 1919-23;1940-	--	1975-78.	1976-78.	1975-76; 1978.
Piney Creek at Ucross	06323500	267	1917-23;1950-82.	--	1975-92.	1976-78.	1975-80.
Clear Creek near Arvada	06324000	e1,110	1915-19;1928-29; 1939-82.	--	1949-54; 1966-92.	1966-67; 1975-83.	1975-80.

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
YELLOWSTONE RIVER BASIN--continued							
Powder River at Moorhead, Mont	06324500	8,088	1929-72;1974-	--	1950-53; 1955-57; 1968-72; 1974-92.	1974-97.	--
Little Powder River:							
Little Powder River tributary near Gillette	06324800	.81	--	1960-81.	--	--	--
Rawhide Creek:							
Box Draw:							
Box Draw tributary near Gillette	06324810	.5	--	1965-72.	--	--	--
Rawhide Creek tributary near Gillette	06324820	2.6	--	1965-72.	--	--	--
Little Powder River below Corral Creek, near Weston	06324890	204	1975;1977-83.	--	1975-83.	1975-83.	1976-82.
Cedar Draw near Gillette (formerly Little Powder River tributary No. 2 near Gillette)	06324900	3.45	--	1959-81.	--	--	--
Cow Creek:							
Cow Creek tributary near Weston	06324910	.72	--	1971-84.	--	--	--
Little Powder River near Weston	06324925	540	1977-81.	--	1969; 1975-81.	1975-81.	1975-81.
Little Powder River above Dry Creek, near Weston. .	06324970	1,235	1972-	--	1975-82; 1985-	1975-82, 1999-	1975-82, 1999-
Little Powder River near Wyoming-Montana State line	06324985	--	--	--	1969-70.	--	--
LITTLE MISSOURI RIVER BASIN							
Little Missouri River near New Haven	06332800	--	--	--	1976-77.	--	1976-77.
CHEYENNE RIVER BASIN							
Antelope Creek (head of Cheyenne River):							
Wind Creek:							
Reservoir No. 13	06361500	.60	1951-54g.	--	--	--	--
Sand Creek:							
Reservoir No. 35A	06362000	.61	1952-54g.	--	--	--	--
Reservoir No. 13A	06363000	.28	1952-54g.	--	--	--	--

Footnotes at end of table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
CHEYENNE RIVER BASIN--continued							
Antelope Creek--continued							
Porcupine Creek:							
Reservoir No. 10B	06363500	0.20	1952-54.	--	--	--	--
Porcupine Creek near Turnercrest	06363700	31.5	--	1959-76.	--	--	--
Reservoir No. 10A	06364000	.43	1952-54g.	--	--	--	--
Reservoir No. 11	06364500	2.46	1951-54g.	--	--	--	--
Antelope Creek near Teckla	06364700	959	1977-81.	--	1977-81.	1977-81.	1977-81.
Dry Fork:							
Reservoir No. 40	06365000	.71	1951-54g.	--	--	--	--
Bear Creek:							
Reservoir No. 36	06365200	.48	1951-54g.	--	--	--	--
Dry Fork Cheyenne River near Bill	06365300	128	1976-81;1985-87.	--	1977-81; 1987.	1977-81; 1987.	1979.
Reservoir No. 33A	06365500	.44	1952-54g.	--	--	--	--
Cheyenne River near Dull Center	06365900	1,527	1976-81;1985-87.	--	1975-81; 1987.	1975-81; 1987.	1978-81.
Reservoir No. 14	06366000	10.9	1950-51g;1953-54g.	--	--	--	--
Reservoir No. 31	06366500	.35	1951-52g.	--	--	--	--
Reservoir No. 30	06367000	1.31	1951-52g.	--	--	--	--
Reservoir No. 32	06367500	.59	1951-52g.	--	--	--	--
Reservoir No. 26	06368000	1.51	1951-52g.	--	--	--	--
Reservoir No. 22	06368500	.02	1951g.	--	--	--	--
Reservoir No. 28	06369000	.68	1951-52g.	--	--	--	--
Reservoir No. 27	06369500	1.09	1951-52g.	--	--	--	--
Reservoir No. 24	06370000	.52	1951-52g.	--	--	--	--
Reservoir No. 23	06370500	2.67	1951-52g.	--	--	--	--
Reservoir No. 21	06371000	.31	1951-52g.	--	--	--	--
Reservoir No. 18	06371500	.30	1951-52g.	--	--	--	--
Reservoir No. 17	06372000	.06	1951-54g.	--	--	--	--
Reservoir No. 25	06372500	.56	1951-54g.	--	--	--	--
Reservoir No. 20	06373000	.11	1951-52g.	--	--	--	--
Reservoir No. 19	06373500	.92	1951-54g.	--	--	--	--
Reservoir No. 16	06374000	.18	1951-52g.	--	--	--	--
Reservoir No. 15	06374500	9.58	1951-54g.	--	--	--	--

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
CHEYENNE RIVER BASIN--continued							
Cheyenne River--continued							
Black Thunder Creek:							
Little Thunder Creek:							
Reservoir No. 10	06375000	0.66	1951-54g.	--	--	--	--
Reservoir No. 12	06375500	.28	1951-52g.	--	--	--	--
Little Thunder Creek near Hampshire	06375600	234	1977-81;1987-97.	--	1977-81; 1988; 1990-97.	1977-81; 1988; 1990-97.	1977-81.
Reservoir No. 7A	06376000	.23	1952-54g.	--	--	--	--
Black Thunder Creek near Hampshire	06376300	e535	1972-90.	--	1980-81.	1980-81; 1986-87; 1989.	1980-81.
Lodgepole Creek:							
Reservoir No. 9	06376500	.94	1951-54g.	--	--	--	--
Reservoir No. 7	06377000	2.68	1951-54g.	--	--	--	--
Reservoir No. 8	06377500	.10	1951-54g.	--	--	--	--
Reservoir No. 7B	06378000	1.40	1952-54g.	--	--	--	--
Lodgepole Creek near Hampshire	06378300	354	1977-81.	--	1978-81.	1978-81.	1978-81.
Boggy Creek:							
Reservoir No. 35	06378500	7.52	1950-54g.	--	--	--	--
Lance Creek:							
Lance Creek tributary near Lance Creek	06378640	1.20	--	1965-73.	--	--	--
Lightning Creek:							
Reservoir No. 55	06379000	.05	1953-54g.	--	--	--	--
Box Creek:							
Reservoir No. 41	06379500	1.27	1951-54g.	--	--	--	--
Box Creek near Bill	06379600	112	1956-58.	1959; 1961-81.	--	--	--
Walker Creek:							
Reservoir No. 56	06380000	.70	1953-54g.	--	--	--	--
Reservoir No. 57	06380500	.21	1953-54g.	--	--	--	--
Dry Creek:							
Reservoir No. 36A	06381000	.41	1953-54g.	--	--	--	--

Footnotes at end of table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
CHEYENNE RIVER BASIN--continued							
Lance Creek--continued							
Lightning Creek--continued							
Twentymile Creek--continued							
Reservoir No. 58	06381500	0.07	1953-54g.	--	--	--	--
Reservoir No. 42 (on Twentymile Draw)	06382000	.33	1951-54g.	--	--	--	--
Pritchard Draw near Lance Creek	06382200	5.10	--	1964-81.	--	--	--
Cow Creek:							
Reservoir No. 34	06382500	.34	1951-54g.	--	--	--	--
Reservoir No. 37	06383000	2.47	1951-54g.	--	--	--	--
Reservoir No. 38	06383500	1.70	1951-54g.	--	--	--	--
Dogie Creek:							
Reservoir No. 33	06384000	.73	1951-54g.	--	--	--	--
Crazy Woman Creek:							
Reservoir No. 43	06384500	1.26	1951-54g.	--	--	--	--
Reservoir No. 43A	06385000	.18	1953-54g.	--	--	--	--
Old Woman Creek:							
Sage Creek:							
Cottonwood Creek at Hat Creek	06385400	14.5	--	1972-79.	--	--	--
Reservoir No. 44	06385500	.92	1951-54g.	--	--	--	--
Lance Creek (at Spencer) near Riverview	06386000	e2,070	1948-54;1956-83.	--	1975-83.	1971; 1975-83.	1978.
Reservoir No. 39	06386200	.52	1951-54g.	--	--	--	--
Cheyenne River at Riverview	06386400	e5,160	--	--	1980-92.	1981-82.	1980-82.
(South Fork) Cheyenne River near Spencer	06386500	e5,270	1948-74.	--	1969-70; 1975-80.	1971-74.	1975-80.
Beaver Creek:							
Turner Creek near Osage	06387500	47.8	--	1959-84.	--	--	--
Reservoir No. 3	06388000	.25	1951-54g.	--	--	--	--
Stockade Beaver Creek:							
Reservoir No. 1	06388200	.08	1951-54g.	--	--	--	--
Skull Creek:							
Oil Creek:							
Reservoir No. 4	06388500	.11	1951-54g.	--	--	--	--

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
CHEYENNE RIVER BASIN--continued							
Cheyenne River--continued							
Beaver Creek--continued							
Blacktail Creek:							
Blacktail Creek tributary near Newcastle	06388800	0.25	--	1960-81.	--	--	--
Reservoir No. 6	06389000	3.80	1951-54g.	--	--	--	--
Reservoir No. 6A	06389500	.44	1952-54g.	--	--	--	--
Reservoir No. 6C	06390000	.16	1954g.	--	--	--	--
Reservoir No. 6B	06390500	1.52	1953-54g.	--	--	--	--
Reservoir No. 5A	06391500	1.39	1953-54g.	--	--	--	--
Reservoir No. 2	06392000	6.06	1951-53g.	--	--	--	--
Reservoir No. 5	06392500	.54	1951-54g.	--	--	--	--
Beaver Creek at Mallo Camp, near Four Corners.	06392900	10.3	1974-82;1991-	--	--	--	--
Stockade Beaver Creek near Newcastle.	06392950	107	1974-82;1991-	--	--	--	--
Redbird Canyon:							
Gillette Canyon:							
Reservoir No. 45, S. Dak	06393000	1.02	1951-54.	--	--	--	--
Beaver Creek near Newcastle	06394000	e1,320	1943;1945-97.	--	1946-47; 1949-53; 1967-86.	1977-78.	1978.
Beaver Creek near Burdock (Edgemont), S. Dak	06394500	e1,540	1904-6;1928-32.	--	--	--	--
Reservoir No. 39A	06394700	.12	1953-54g.	--	--	--	--
Reservoir No. 46, S. Dak	06394800	.30	1951-54g.	--	--	--	--
Cheyenne River at Edgemont, S. Dak	06395000	7,143	1903-6;1928-33;1946-	--	--	--	--
Cottonwood Creek:							
Reservoir No. 47B	06395500	.05	1952-54g.	--	--	--	--
Reservoir No. 47A, S. Dak	06396000	.05	1952-54g.	--	--	--	--
Belle Fourche River:							
Belle Fourche River tributary near Turnercrest	06425700	.35	--	1961-71.	--	--	--
Belle Fourche River below Rattlesnake Creek, near Piney	06425720	495	1975-83.	--	1975-83.	1976-79; 1981-83.	1976-77; 1980-82.
Coal Creek near Piney	06425750	71.8	1980-83.	--	1981-83.	1981-83.	1981.
Belle Fourche River above Dry Creek, near Piney	06425780	594	1975-83.	--	1975-83.	1976-83.	1976-77; 1980-82.

Footnotes at end of table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
CHEYENNE RIVER BASIN--continued							
Belle Fourche River--continued							
Caballo Creek near Gillette	06425800	122	--	1959-69.	--	--	--
Caballo Creek at mouth, near Piney	06425900	260	1977-83.	--	1977-80; 1982-83.	1977-80; 1982-83.	1978-80.
Raven Creek near Moorcroft	06425950	76	1977-83.	--	1978-80.	1977-79.	1978-79.
Belle Fourche River near Moorcroft	06426000	e1,380	1923-33.	--	--	--	--
Donkey Creek:							
Stonepile Creek:							
Burlington Lake Ditch at Gillette	06426095	--	1988-90.	--	--	--	--
Stonepile Creek at Gillette	06426100	11.2	1988-92.	--	1988-92.	1988-92.	1988-92.
Donkey Creek near Gillette	06426130	63.4	2000-				
Stonepile Creek at mouth, near Gillette	06426160	14.5	2000-				
Donkey Creek tributary above reservoir, near Gillette	06426195	.2	--	1970-84.	--	--	--
Donkey Creek tributary near Gillette	06426200	.28	--	1960-76.	--	--	--
Donkey Creek near Moorcroft	06426400	246	1977-81.	--	1977-89.	1977-81.	1977-81; 1983-89.
Belle Fourche River below Moorcroft	06426500	1,690	1943-70;1975-83; 1985-87;1990-	--	1975-93; 1995-	1976-83; 1986-87; 1990-93.	1975-93; 1995-
Keyhole Reservoir near Moorcroft	06427000	1,953	1952-	--	--	--	--
Belle Fourche River below Keyhole Reservoir	06427500	1,954	1951-95.	--	1969; 1984-90.	--	--
Inyan Kara Creek near Upton	06427700	96.5	--	1959-84.	1968;1974.	--	--
Belle Fourche River at Devils Tower	06427850	--	--	--	1967-92.	--	1973-77.
Barlow Creek near Devils Tower	06427880	21.9	--	1971-76.	--	--	--
Blacktail Creek near Hulett	06427900	42.3	--	1962-69.	--	--	--
Belle Fourche River at Hulett	06428000	e2,800	1929-32;1938-51.	--	--	--	--
Belle Fourche River below Hulett	06428050	--	--	--	1981-	--	1981-89; 1993-
Belle Fourche River tributary No. 2 near Hulett	06428100	10.2	--	1962-84.	--	--	--
Belle Fourche River near Alva	06428200	2,948	1988-98.	--	--	--	--
Belle Fourche River at Wyoming-South Dakota State line	06428500	e3,280	1946-	--	1960; 1965-88.	1960.	1970-81.

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
CHEYENNE RIVER BASIN--continued							
Belle Fourche River--continued							
Redwater Creek:							
Rocky Ford Creek:							
Ogden Creek near Sundance	06429300	8.42	--	1962-81.	--	--	--
Sundance Creek:							
Sundance Creek tributary above forest boundary, at Sundance	06429375	.76	--	1969-72.	--	--	--
Sundance Creek tributary at Sundance	06429380	1.40	--	1965-68.	--	--	--
Sundance Creek tributary near Sundance	06429400	1.80	--	1962-71.	--	--	--
Cold Springs Creek (head of Sand Creek) at Buckhorn	06429500	19.0	1974-82;1991-	--	--	--	--
Sand Creek above Ranch A, near Beulah	06429898	--	--	--	1987-91.	--	--
Sand Creek at Ranch A, near Beulah	06429900	260	1974-76.	--	1987-91.	--	--
Sand Creek near Ranch A, near Beulah	06429905	267	1976-83;1991-	--	1981-83.	--	1981-83.
Murray ditch above headgate, at Wyoming-South Dakota State line	06429997	--	1987-	--	--	--	--
Murray ditch at Wyoming-South Dakota State line	06430000	--	1954-87.	--	--	--	--
Redwater Creek at Wyoming-South Dakota State line	06430500	471	1929-31;1936-37;1954-	--	1969-70.	1971-83.	--
NIOBRARA RIVER BASIN							
Niobrara River at Wyoming-Nebraska State line	06454000	e450	1955-94.	--	--	--	--
PLATTE RIVER BASIN							
North Platte River near Northgate (Pinkhampton), Colo	06620000	1,431	1904;1915-	--	1965-86.	1971-74.	1973-82.
Douglas Creek above Keystone	06620400	22.1	1955-65.	--	--	--	--
Douglas Creek near Keystone	06620500	25.6	1912;1914-16.	--	--	--	--
Douglas Creek near Foxpark	06621000	120	1946-72.	--	--	--	--
Mullen Creek:							
North Fork Mullen (Mullen) Creek near French	06621500	--	1911a.	--	--	--	--
Big Creek at Big Creek ranger station (near Downington, Big Creek)	06622000	106	1911a;1912-24.	--	--	--	--
French Creek near French	06622500	59.6	1909-24.	--	--	--	--
North Brush Creek near Saratoga	06622700	37.4	1960-	--	--	--	--
South Brush Creek near Saratoga	06622900	22.8	1960-74;1976-77;1979-	--	--	--	--

Footnotes at end of table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
PLATTE RIVER BASIN--continued							
North Platte River--continued							
Brush Creek at upper station, near Saratoga (near Saratoga)	06623000	77.0	1941-47.	--	--	--	--
Brush Creek at lower station, near Saratoga (near Saratoga)	06623500	107	1909-15.	--	--	--	--
Encampment River above East Fork, near Encampment	06623750	--	--	--	1991-92.	1991-92	1991-92.
East Fork Encampment River at mouth, near Encampment	06623790	--	--	--	1991-92.	1991-92.	1991-92.
Encampment River above Hog Park Creek, near Encampment	06623800	72.7	1964-	--	1964-96.	1970-96.	1973-96.
Encampment River near Encampment	06623900	105	1956-64.	--	--	--	--
Encampment River above Encampment	06624000	207	1940-44.	--	--	--	--
Encampment River (Grand Encampment Creek) at Encampment (Perym's ranch)	06624500	211	1900;1909-24;1928-32.	--	--	--	--
Encampment River at mouth, near Encampment	06625000	265	1940-	--	1965-89.	--	1973-78; 1982-83; 1987-89.
Cow Creek near Saratoga	06625500	58.9	1911-12.	--	--	--	--
North Platte River at Highway 130, near Saratoga (formerly 412117106433201)	06625650	--	--	--	1977; 1984-91.	--	--
Spring Creek:							
North Spring Creek near Saratoga	06626000	24.5	1913-15.	--	--	--	--
Spring Creek near Saratoga	06626500	114	1911-12.	--	--	--	--
North Platte River at Saratoga	06627000	2,840	1903-6;1909-70.	--	1967.	--	--
Jack Creek at Jack Creek Park, near Saratoga	06627300	12.2	1966-68.	--	--	--	--
Jack Creek at Matheson Ranch, near Saratoga	06627500	41.2	1913-24.	--	--	--	--
Jack Creek below Little Jack (Willow) Creek, near Saratoga	06627600	98.2	1956-58;1966-68.	--	--	--	--
Jack Creek above Coyote Draw, near Saratoga	06627800	109	1989-	--	--	--	--
Jack Creek at Blydenburgh's ranch, near Saratoga	06628000	113	1912-14.	--	--	--	--
Jack Creek near Saratoga	06628500	138	1911-12.	--	--	--	--
North Platte River near Saratoga	06628550	--	--	--	1971-74.	--	--

MISSOURI RIVER BASIN--continued

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
PLATTE RIVER BASIN--continued							
North Platte River--continued							
Sage Creek below Adams Reservoir, near Rawlins	06628700	24.3	1966-68.	--	--	--	--
Sage Creek near Rawlins	06628750	52.0	1966-68.	--	--	--	--
Sage Creek near Saratoga	06628800	263	1973-81.	--	1972-81.	1972-81.	--
Pass Creek near Elk Mountain	06628900	91.5	1957-	--	1983.	--	--
Pass Creek near Saratoga	06629000	106	1929-32.	--	--	--	--
Rattlesnake Creek near Walcott	06629100	13.9	--	1962-74.	1983.	--	--
Coal Bank Draw:							
Coal Bank Draw tributary near Walcott	06629150	3.65	--	1962-81.	--	--	--
Coal Bank Draw tributary No. 2 near Walcott	06629200	2.41	--	1962-81.	--	--	--
Pass Creek tributary near Walcott	06629300	.66	--	1963-67.	--	--	--
Pass Creek near Walcott	06629500	230	1911.	--	--	--	--
St. Mary Creek:							
St. Mary Creek tributary No. 2 near Hanna	06629600	3.90	--	1963-67.	--	--	--
Kenny Creek near Hanna	06629650	.46	--	1963-67.	--	--	--
St. Mary Creek tributary near Sinclair	06629700	.46	--	1959-71.	--	--	--
Sugar Creek:							
Coal Creek near Rawlins	06629800	7.32	--	1959-81.	--	--	--
Great Divide basin:							
Delaney Draw near Red Desert	06629850	32.8	--	1961-75.	--	--	--
North Platte River above Seminoe Reservoir, near Sinclair (Parco)	06630000	b4,175	1939-	--	1960-	1974; 1986-94.	1973-99.
Big Ditch:							
Big Ditch tributary near Hanna	06630200	7.42	--	1959-81.	--	--	--
Big Ditch near Coyote Springs	06630300	110	1975-81.	--	1976; 1978-81.	1976; 1978-81.	--
North Ditch near Coyote Springs	06630330	22.6	1976-81.	--	1976; 1978-81.	1976;1980.	--
Medicine Bow River at Bow Ranger Station, near Elk Mountain	06630440	28.7	1972-75.	--	--	--	--
East Fork Medicine Bow River near Elk Mountain	06630480	17.8	1972-75.	--	--	--	--
Medicine Bow River near Elk Mountain	06630500	65.6	1946-47.	--	--	--	--
Mill Creek near Elk Mountain	06630600	25.8	--	1963-65.	--	--	--
Bear Creek near Elk Mountain	06630800	8.93	--	1962-74.	--	--	--

Footnotes at end of table.

DISCONTINUED AND ACTIVE SURFACE-WATER DISCHARGE, WATER-QUALITY, SEDIMENT, AND BIOLOGICAL STATIONS--Continued

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
PLATTE RIVER BASIN--continued							
North Platte River--continued							
Medicine Bow River near Medicine Bow	06631000	190	1911-17;1919-24.	--	--	--	--
Wagonhound Creek near Elk Mountain	06631100	25.6	--	1962-74.	--	--	--
Third Sand Creek:							
Third Sand Creek tributary near Medicine Bow	06631140	.78	--	1965-73.	--	--	--
Third Sand Creek near Medicine Bow	06631150	10.8	--	1965-81.	--	--	--
Foote Creek near Arlington	06631200	5.49	--	1962-69.	--	--	--
Foote Creek tributary No. 2 near Arlington	06631230	1.43	--	1962-65.	--	--	--
Foote Creek tributary near Arlington	06631260	2.10	--	1962-70.	--	--	--
Medicine Bow River above Rock Creek, near Medicine Bow	06631500	b436	1951-63.	--	--	--	--
Rock Creek:							
Deep Creek near Arlington	06632000	3.13	1914-18.	--	--	--	--
Carlson Creek ditch near Arlington	06632050	--	1992-95.	--	--	--	--
Carlson Creek ditch above Wagonhound Creek, near Arlington	06632055	--	1994-95.	--	--	--	--
Rock Creek above King Canyon Canal, near Arlington	06632400	62.9	1965-	--	1967.	--	--
Rock Creek at (near) Arlington	06632500	64.5	1910-18;1939-65.	--	--	--	--
Threemile Creek near Arlington	06632600	6.31	--	1962-74.	--	--	--
Onemile Creek near Arlington	06632700	3.59	--	1962-74.	--	--	--
Rock Creek near Rock River	06633000	187	1911-12;1928-33.	--	--	--	--
Rock Creek below Rock River	06633500	218	1940-42;1951-68.	--	1965-68.	--	--
Medicine Bow River at Medicine Bow	06634000	1,030	1901.	--	--	--	--
Little Medicine Bow River at Heward Ranch	06634030	--	--	--	1972-73.	--	--
Little Medicine Bow River near Shirley Basin	06634100	--	--	--	1972-73.	--	--
Sheep Creek near Marshall	06634200	61.0	--	1961-81.	--	--	--
Sheep Creek near Medicine Bow	06634300	174	--	1961-81.	--	--	--
Muddy Creek near Shirley	06634500	76.6	1915-16.	--	--	--	--
Little Medicine Bow River near Medicine Bow	06634600	963	1973-84.	--	1965-84.	1971-82.	--
Little Medicine Bow River at Boles Spring, near Medicine Bow	06634620	969	1973-	--	1985-89.	--	--
Medicine Bow River tributary near Hanna	06634910	3.01	--	1965-84.	--	--	--

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
PLATTE RIVER BASIN--continued							
North Platte River--continued							
Medicine Bow River--continued							
Willow Springs Draw:							
Willow Springs Draw tributary near Hanna	06634950	1.98	--	1965-73.	--	--	--
Hanna Draw near Hanna	06634990	21.6	1975-81.	--	1975-81.	1975-81.	--
Medicine Bow River above Seminoe Reservoir, near Hanna	06635000	b2,338	1939-	--	1965-93.	1971-82; 1987-89.	--
Seminoe Reservoir near Leo	06635500	b7,230	1939-	--	1972-78h.	--	1975-78h.
North Platte River above Pathfinder Reservoir	06636000	b7,241	1913-39;1950-59.	--	1969-82; 1987-89.	1987-89.	
Sage Creek above Pathfinder Reservoir	06636500	190	1915-25.	--	--	--	--
Deweese Creek near Alcova	06637000	16.4	1918;1923-24.	--	--	--	--
Sand Creek near Alcova	06637500	51.0	1915-24.	--	--	--	--
Sweetwater River near South Pass City	06637550	177	1958-73.	1974-81.	1975-78.	1975-78.	--
Willow Creek near Atlantic City	06637600	3.08	1957-58.	--	--	--	--
Willow Creek near South Pass City	06637700	9.21	1957-58.	--	--	--	--
Sweetwater River above Rock Creek, near Atlantic City	06637740	--	--	--	--	1981.	--
Rock Creek above Rock Creek Reservoir	06637750	e9.2	1962-95.	--	1978.	1975.	--
Rock Creek near South Pass City	06637800	9.87	1957-60.	--	--	--	--
Rock Creek near Atlantic City	06637850	14.6	1957.	--	--	--	--
Slate Creek near Atlantic City	06637900	5.92	1957-73.	--	--	--	--
Rock Creek at Atlantic City	06637910	21.3	1957-76.	--	1957-59; 1966-67; 1969-71; 1976.	1964-66; 1968; 1971-72; 1976.	--
Rock Creek at Oregon Trail Crossing, near Atlantic City	06637950	--	--	--	--	1981.	--
Sweetwater River near Atlantic City	06638000	438	1946-51.	--	--	--	--
Sweetwater River near Sweetwater Station	06638090	849	1973-92.	--	--	--	--
Sweetwater River at Sweetwater Station, near Lander	06638100	889	--	1965-73.	--	--	--
Crooks Creek:							
West Fork Crooks Creek near Jeffrey City	06638300	11.6	--	1961-81.	1976-78.	1976-78.	--

Footnotes at end of table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
PLATTE RIVER BASIN--continued							
North Platte River--continued							
Sweetwater River--continued							
Muddy Creek:							
Coal Creek near Muddy Gap	06638350	6.08	--	1961-81.	--	--	--
Cherry Creek near Lamont	06638400	29.4	--	1960-70.	--	--	--
Sweetwater River at Devils Gate, near Splitrock (near Splitrock)	06638500	2,290	1902-3.	--	--	--	--
Sweetwater River near Alcova	06639000	2,327	1913-24;1938-	--	1964-90.	1975-82. 1973-82.	
Horse Creek at Highway 220, near Alcova	06639480	--	--	--	1982-90.	--	--
Horse Creek near Alcova	06639500	117	1915-20;1923-24.	--	--	--	--
Canyon Creek near Alcova	06640000	97.1	1915-24.	--	--	--	--
Pathfinder Reservoir near Alcova	06640500	b10,711	1909-	--	1975-77h.	--.	1975-77h.
North Platte River below Pathfinder Reservoir (at Pathfinder)	06641000	b14,671	1905-60.	--	--	--	--
Bear Springs Creek near Alcova	06641400	9.33	--	1960-84.	--	--	--
Alcova Reservoir at Alcova	06641500	b10,766	1938-	--	1975-76h.	--	1975-76h.
North Platte River at Alcova	06642000	b10,812	1904-5;1934-98.	--	1965-88; 1992-95.	1976; 1980-86; 1988.	1973-87.
Bates Creek near Freeland	06642500	118	1940-41;1945-51.	--	1981-86.	--	--
Stinking Creek near Alcova	06642650	91.8	1983-84.	--	1983-84.	1983-84.	--
Lawn Creek near Alcova	06642700	11.5	--	1961-84.	--		--
Stinking Creek tributary near Alcova	06642730	1.34	--	1961-71.	--	--	--
Stinking Creek near Alcova	06642760	117	--	1961-81.	--	--	--
Bates Creek near Alcova (Casper)	06643000	393	1916-24;1935-61.	--	1965; 1968-86; 1988; 1993.	1988.	--
Coal Creek near Goose Egg	06643300	5.39	--	1960-84.	--	--	--
North Platte River near Goose Egg (Casper)	06643500	b11,423	1917-19;1924;1947; 1950-60;1983-86; 1988-95.	--	1957-60. 1985-87; 1989.	1985-87.	1987.
North Platte River near Goose Egg	06643510	--	--	--	1977-79; 1982-89; 1992-95.	1983;1988.	1977-79; 1982-87.

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
PLATTE RIVER BASIN--continued							
North Platte River--continued							
Poison Spider Creek near Goose Egg	06644000	301	1950-56.	--	1965; 1967-70; 1979;1986; 1988; 1992-95.	1988.	--
North Platte River at Mills	06644085	--	--	--	1970-89.	1988.	1974-77; 1982-87.
Casper Creek:							
Middle Fork Casper Creek near Bucknam	06644120	--	--	--	1967-75; 1988; 1992-94.	--	--
South Fork Casper Creek:							
Clarks Gulch near Natrona	06644200	2.64	--	1961-72.	--	--	--
Casper Creek at Casper	06644500	668	1946-56.	--	1965; 1967-88; 1992-95.	1988.	1974; 1982-87.
North Platte River at Casper	06644550	--	--	--	1971-94.	1971-82.	1982-87.
Reefs Draw:							
Reefs Draw tributary near Casper	06644700	.47	--	1959-71.	--	--	--
Sand Spring Creek:							
McKenzie Draw:							
McKenzie Draw tributary near Casper	06644840	2.02	--	1965-81.	--	--	--
North Platte River below (at) Casper	06645000	b12,574	1929-59.	--	1949-53; 1957-59; 1967-	1971;1988.	1970-89.
Smith Creek above Otter Creek, near Casper	06645150	9.91	1974-79;1987-96.	--	--	--	--
Smith Creek at Otter Creek, near Casper	06645160	10.9	1974-79.	--	--	--	--
Otter Creek at mouth, near Casper	06645164	6.50	1987-96.	--	--	--	--
Smith Creek below Otter Creek, near Casper	06645166	18.5	1987-96.	--	--	--	--
Beaver Creek above Pole Creek, near Casper	06645174	4.67	1987-96.	--	--	--	--
Pole Creek near Casper	06645178	2.70	1987-96.	--	--	--	--
North Platte River at Parkerton	06645500	b17,135	1919-24.	--	--	--	--
Deer Creek in Canyon, near Glenrock	06646000	139	1946-51;1985-	--	1985-91.	1985-91.	1985-91.

Footnotes at end of table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
PLATTE RIVER BASIN--continued							
North Platte River--continued							
Deer Creek--continued							
Little Deer Creek above East Cart Creek, near Glenrock	06646280	3.89	1974-76.	--	--	--	--
Little Deer Creek below East Cart Creek, near Glenrock	06646300	7.48	1974-76.	--	--	--	--
Deer Creek at Glenrock	06646500	212	1916-24;1928-33; 1935-61.	--	--	--	--
Deer Creek below Millar wasteway, at Glenrock	06646600	213	1961-92.	--	1965; 1967-86.	--	--
North Platte River below Deer Creek, near Glenrock	06646610	--	--	--	1979.	--	--
Dry Creek:							
East Fork Dry Creek:							
East Fork Dry Creek tributary near Glenrock	06646700	2.60	--	1961-81.	--	--	--
Sand Creek near Glenrock	06646780	79.9	1977-81.	--	1978-80.	1978-80.	1978-80.
North Platte River near Glenrock	06646800	b13,538	1959-92.	--	1960-86.	1976.	--
Running Dutchman Canal near Careyhurst	06647000	--	1935-50.	--	--	--	--
North Platte River near Careyhurst	06647020	--	--	--	1969-76.	--	--
Box Elder Creek at Boxelder	06647500	63.0	1946-51;1961-67;1971-	--	--	--	--
Box Elder Creek near Boxelder	06647800	136	1981-84.	--	--	--	--
Box Elder Creek at Converse County Park, near Careyhurst	06647810	138	1981-84.	--	--	--	--
Little Box Elder Creek near Careyhurst	06647890	7.18	1974-88.	--	--	--	--
Little Box Elder Creek at Little Box Elder Cave, near Careyhurst	06647900	8.47	1974-88.	--	--	--	--
Little Box Elder Spring near Careyhurst	06647910	--	1980-86.	--	1983.	--	--
Cottonwood Creek near Careyhurst	06647920	2.33	1981-84.	--	--	--	--
Box Elder Creek below Interstate 25, near Careyhurst	06647990	--	--	--	1981-86.	--	--
Box Elder Creek near Careyhurst	06648000	202	1911;1915-24;1928-33; 1935-69.	--	1965.	--	--
Douglas (Morton) Canal near Orpha	06648500	--	1935-51.	--	--	--	--
Sage Creek:							
Frank Draw:							
Frank Draw tributary near Orpha	06648720	.79	--	1965-73.	--	--	--
Sage Creek tributary near Orpha	06648780	1.38	--	1965-84.	--	--	--

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
PLATTE RIVER BASIN--continued							
North Platte River--continued							
La Prele Creek near Douglas	06649000	135	1919-92.	--	--	--	--
La Prele Creek below La Prele Reservoir	06649200	152	1961-68.	--	1965.	--	--
La Prele Creek near Orpha (Fetterman)	06649500	177	1916;1918;1923-24; 1928-33;1935-70.	--	1981-86.	--	--
North Platte River at Orpha	06649520	--	--	--	1974-75.	--	--
North Platte River tributary near Douglas	06649900	8.53	--	1961-81.	--	--	--
North Platte River near (at) Douglas	06650000	b18,338	1891-94;1919-23; 1929-39;1946-59.	--	--	--	--
Wagonhound Creek near La Bonte	06650500	112	1916-24;1929-32; 1937-69.	--	1965;1979; 1981-86.	--	--
La Bonte Creek:							
West Fork La Bonte Creek near La Bonte	06651000	20.6	1946-51.	--	1979.	--	--
La Bonte Creek near La Bonte	06651500	287	1916-24;1928-33; 1935-69.	--	1965; 1981-86.	--	--
Sand Creek near Orin	06651800	27.8	--	1955; 1961-84.	--	--	--
North Platte River at Orin (Orin Junction) (McKinley)	06652000	b15,025	1895-99;1917-18;1924; 1958-	--	1966-89.	1971-82.	1973-89.
Shawnee Creek:							
Shawnee Creek tributary near Orin	06652200	.33	--	1961-76.	--	--	--
Lost Creek:							
Watkins (Watson) Draw near Lost Springs	06652400	6.95	--	1960-84.	--	--	--
Glendo Reservoir near Glendo	06652700	b15,545	1958-	--	1975-76h.	--	1975-76h.
North Platte River below Glendo Reservoir	06652800	b15,548	1957-	--	1966-88.	--	1973-82.
Horseshoe Creek near Esterbrook	06653000	45.5	1946-51.	--	--	--	--
Horseshoe Creek near Binford	06653100	e110	1961-64.	--	--	--	--
Horseshoe Creek near Cassa	06653300	195	1961-68;1988-96.	--	1965.	--	--
Horseshoe Creek near Glendo	06653500	211	1916-18;1921-24; 1928-33;1935-70; 1988-96.	--	--	--	--
North Platte River near Cassa	06654000	b19,796	1946-57.	--	1953.	--	--
Cottonwood Creek near Fletcher Park	06654500	51.1	1946-51.	--	--	--	--
Cottonwood Creek below Dagley Creek, near Binford	06654510	54.0	1974-76.	--	--	--	--

Footnotes at end of table.

DISCONTINUED AND ACTIVE SURFACE-WATER DISCHARGE, WATER-QUALITY, SEDIMENT, AND BIOLOGICAL STATIONS--Continued

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
PLATTE RIVER BASIN--continued							
North Platte River--continued							
Cottonwood Creek below Tunnel Outlet, near Binford	06654520	57.2	1974-76.	--	--	--	--
Cottonwood Creek near Binford	06654550	61	1973-74.	--	--	--	--
Cottonwood Creek at (near) Wendover	06655000	196	1916-24;1929-33; 1935-42;1946-55; 1973-74.	--	--	--	--
Deadmans Gulch near Guernsey	06655360	.34	--	1965-72.	--	--	--
Fish Canyon near Guernsey	06655380	1.06	--	1965-76.	--	--	--
Black Canyon near Guernsey	06655400	.22	--	1965-70.	--	--	--
Guernsey Reservoir near Guernsey	06655500	b16,224	1928-	--	1972-73.	--	--
Hartville Canyon:							
Sparks Canyon near Hartville	06655750	.74	--	1965-72.	--	--	--
North Platte River (North Platte River and Interstate Canal) below Guernsey Reservoir (near, at Guernsey) (at, above Whalen)	06656000	b16,237	1900-98.	--	1950-52; 1955-58; 1965-86.	1979.	1980-81.
North Platte River near Guernsey	06656500	--	--	--	1981-83.	--	1981-83.
North Platte River (at recorder station) below Whalen (below Whalen) diversion dam	06657000	b16,237	1909-	--	1970-76.	--	1974.
Laramie River near (at) Glendevey, Colo	06657500	101	1904-5;1910-82.	--	--	--	--
Laramie River near Jelm	06658500	294	1904-5;1911-71.	--	1965;1968.	--	--
Laramie River at Woods Landing (Woods)	06659000	392	1890-92;1895a; 1896-1911.	--	--	--	--
Laramie River and Pioneer Canal near Woods	06659500	434	1912-24;1926-27;1931-	--	--	--	--
Sand Creek at Colorado-Wyoming State line	06659580	29.2	1968-	--	--	--	--
Sand Creek near Tie Siding	06659600	39.9	1957-68.	--	--	--	--
Laramie River at Laramie	06660000	b1,071	1933-72.	--	1968-70.	--	--
Laramie River above Howell	06660070	--	--	--	1980-89.	--	1980-89.
Laramie River at Howell	06660100	--	--	--	1974-80.	1974.	1974-80.
Laramie River at Two Rivers	06660500	b1,224	1908-27;1932-72.	--	1966-92.	--	--
Little Laramie River near Filmore (Hatton)	06661000	157	1902-3;1911-26;1933-	--	--	--	--

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
PLATTE RIVER BASIN--continued							
North Platte River--continued							
Laramie River--continued							
Little Laramie River at Two Rivers (at Haley's ranch, near Laramie)	06661500	b376	1903;1910-27;1933-72.	--	1965-87; 1990-92.	--	--
Fourmile Creek near Centennial	06661530	7.34	--	1963-68.	--	--	--
Onemile Creek near Centennial	06661550	6.12	--	1963-65.	--	--	--
Fourmile Creek tributary near Centennial	06661570	.28	--	1963-71.	--	--	--
Sevenmile Creek near Centennial	06661580	11.2	--	1962-84.	--	--	--
Laramie River near Bosler	06661585	b1,790	1972-	--	1990-92.	1990-92.	--
Dutton Creek:							
Sheep Creek near Arlington	06661590	5.46	--	1962-63.	--	--	--
Dutton Creek near McFadden	06661600	19.9	1958-63.	--	--	--	--
Cooper Creek near Arlington	06661700	8.51	--	1962-65.	--	--	--
Cooper Creek tributary near Arlington	06661740	1.83	--	1962-65.	--	--	--
South Fork Cooper Creek near Arlington	06661750	6.41	--	1962-65.	--	--	--
Laramie River near Lookout	06662000	b2,174	1912-17;1921-27; 1932-96.	--	1965; 1976-80.	--	--
Wheatland Reservoir No. 2 near Lookout	06662500	b2,221	1951-66.	--	--	--	--
Laramie River at McGill	06663000	b2,230	1912-15.	--	--	--	--
Laramie River below Wheatland Reservoir No. 2 (below McGill)	06663500	b2,248	1916-17;1951-63.	--	--	--	--
Laramie River below Luman Creek, near Wheatland	06663900	--	--	--	1989-92.	--	--
Laramie River near Wheatland	06664000	b2,527	1912-16;1929-33.	--	--	--	--
Sybille Creek above Mule Creek, near Wheatland	06664400	194	1974-	--	1984-87.	--	--
Sybille Creek below Mule Creek, near Wheatland	06664490	219	1968-73.	--	--	--	--
Sybille Creek above Bluegrass Creek, near Wheatland	06664500	225	1941-68.	--	--	--	--
Bluegrass Creek near Wheatland	06664900	139	1958-63;1968-79.	--	--	--	--
Sybille Creek below Bluegrass Creek, near Wheatland	06665000	366	1950-68.	--	1965.	--	--
Wheatland Canal No. 1 near Wheatland	06665500	--	1952-63.	--	1958-59.	--	--
Sybille Creek above Canal No. 3, near Wheatland	06665790	--	1980-	--	--	--	--
Wheatland Canal No. 3 near Wheatland	06665800	--	1958-63.	--	1958-59.	--	--

Footnotes at end of table.

DISCONTINUED AND ACTIVE SURFACE-WATER DISCHARGE, WATER-QUALITY, SEDIMENT, AND BIOLOGICAL STATIONS--Continued

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
PLATTE RIVER BASIN--continued							
North Platte River--continued							
Laramie River--continued							
Sybille Creek--continued							
Wheatland Canal No. 2 near Wheatland	06666000	--	1952-63.	--	1958-59.	--	--
Sybille Creek near Muleshoe Ranch, near Wheatland	06666500	507	1950-58.	--	--	--	--
Sybille Creek at Muleshoe Ranch, near Wheatland	06666600	508	1958-63;1966-67.	--	1959.	--	--
Sybille Creek near Wheatland	06667000	515	1912-16.	--	--	--	--
Laramie River above North Laramie River, near Uva	06667060	3,131	1973-79.	--	--	--	--
North Laramie River near Garrett	06667200	e46	1963-65.	--	--	--	--
North Laramie River (at upper station) near Wheatland	06667500	370	1915-23;1939-71; 1973-74.	--	--	--	--
Piney Creek:							
Piney Creek tributary at upper station, near Wheatland	06667560	.18	--	1965-72.	--	--	--
Piney Creek tributary at lower station, near Wheatland	06667580	.58	--	1965-70.	--	--	--
North Laramie River at Wilson's ranch, near Wheatland	06668000	377	1912-14.	--	--	--	--
Rabbit Creek near Wheatland	06668040	1.30	--	1965-84.	--	--	--
Fish Creek near Fletcher Park	06668200	6.33	1973-74.	--	--	--	--
North Laramie River at Uva	06668500	530	1911-12.	--	--	--	--
Laramie River at Uva	06669000	b3,662	1895-99;1903.	--	--	--	--
Wheatland Creek below Wheatland	06669050	--	--	--	1982-	--	1982-
Wheatland Creek near Uva	06669100	56.7	1973-74.	--	--	--	--
Chugwater Creek at Platte-Laramie County line, near Chugwater (formerly 413918105021401)	06669350	--	--	--	1984-89.	--	--
Chugwater Creek at Chugwater	06669500	349	1911-21;1938-40.	--	1984-89.	--	--
Chugwater Creek tributary near Chugwater	06669600	.23	--	1960-68.	--	--	--
Chugwater Creek near Uva	06669850	654	1966-68;1973-74.	--	1958-59; 1965; 1984-85.	--	--
Laramie River near Uva	06670000	b4,440	1952-68.	--	1956-59.	--	--
Laramie River tributary near Guernsey	06670100	1.97	--	1971-79.	--	--	--

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
PLATTE RIVER BASIN--continued							
North Platte River--continued							
Laramie River--continued							
Laramie River tributary No. 2 near Fort Laramie	06670480	8.91	--	1971-76.	--	--	--
Laramie River near (at) Fort Laramie	06670500	b4,564	1915-	--	1965-88.	1971-82.	1973-82.
North Platte River near Lingle	06670900	b25,095	1968-75.	--	1969-75.	1969-75.	--
Rawhide Creek:							
Dry Rawhide Creek near Lingle	06670985	20	--	1969-81.	--	--	--
Rawhide Creek above Interstate Canal, near Lingle	06670990	--	--	--	1970-73.	--	--
Rawhide Creek near Lingle	06671000	522	1928-92.	--	1965; 1970-73.	--	--
North Platte River at Vaughn	06671500	b25,648	1924.	--	--	--	--
North Platte River at Torrington	06672000	b25,742	1917-24;1926-39.	--	1975-79.	--	--
Cherry Creek drain near Torrington	06672500	356	1931-32;1935-92.	--	1969-72.	--	--
Arnold drain near Torrington	06673000	--	1931;1940-42.	--	1971-72.	--	--
Katzer drain near Henry, Nebr	06673500	b45.9	1928-92.	--	1971.	--	--
Mitchell Canal at Wyoming-Nebraska State line	06674000	--	1938-41.	--	--	--	--
North Platte River at Wyoming-Nebraska State line	06674500	b22,218	1929-	--	1964-	1971-82.	1970-89.
Horse Creek:							
Horse Creek tributary near Little Bear	06675300	8.16	--	1961-81.	--	--	--
Horse Creek near Meriden	06675500	425	1945-47.	--	--	--	--
Horse Creek near Johnson Ranch, near La Grange	06675850	595	1978-79.	--	--	--	--
Horse Creek near Little Horse Creek	06676000	--	1911-12.	--	--	--	--
Horse Creek (at Wye Cross Bridge) near La Grange	06676500	645	1912-20.	--	--	--	--
Horse Creek at WyCross Ranch, near La Grange	06676550	651	1965-73;1978-79.	--	1965; 1969-72; 1981-83.	1969-72.	1981-83.
Bear Creek:							
South Fork Bear Creek near Little Bear	06676700	34.2	--	1960-76.	--	--	--
Bear Creek near La Grange	06676900	516	1978-79.	--	--	--	--
Bear Creek below Lovercheck Canyon, near LaGrange	06676905	--	--	--.	1992.	--	--
Horse Creek near Yoder	06677000	1,347	1928-33;1935-45.	--	--	--	--
Horse Creek at lower station, near Yoder	06677010	e1,320	1965-72.	--	1969-72.	--	--

Footnotes at end of table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
MISSOURI RIVER BASIN--continued							
PLATTE RIVER BASIN--continued							
North Platte River--continued							
Horse Creek at Wyoming-Nebraska State line	06677100	1,530	1969-71.	--	--	--	--
North Platte River at Mitchell, Nebr	06679500	i24,300	1901-13;1916-18; 1920-94.	--	--	--	--
South Platte River:							
Lonetree Creek at Carr, Colo	06753400	--	1993-95.		1993-95.	1993-95.	--
South Platte River near (at) Kersey, Colo	06754000	9,598	1901-3;1905-	--	1993-	1993-	--
Middle (Fork) Crow Creek near Hecla	06754500	25.8	1902-3;1933-69.	--	--	--	--
South (Fork) Crow Creek near Hecla	06755000	13.9	1933-69.	--	--	--	--
North Fork Crow Creek near Hecla	06755500	27.9	1933-44.	--	--	--	--
Crow Creek at Roundtop Road, near Cheyenne	06755800	239	1994-96.	--	1986-92.	--	--
Diamond Creek below Roundtop Road, at F. E. Warren Air Force Base	06755840	10.75	1994-96.	--	--	--	--
Diamond Creek at F.E. Warren Air Force Base	06755860	10.8	1992-96.	--	--	--	--
Diamond Creek at mouth, at F.E. Warren Air Force Base	06755880	10.9	1992-96.	--	--	--	--
Crow Creek at F.E. Warren Air Force Base	06755950	253	1994-96.	--	1983-94.	--	1987-94.
Crow Creek at 19th Street, at Cheyenne	06755960	257	1994-	--	--	--	--
Crow Creek near Cheyenne	06756000	297	1922-24;1951-57.	--	1972-75; 1983-92.	--	1972-75; 1987-92.
Crow Creek near Archer	06756060	--	--	--	1990-	--	1990-
Crow Creek near Carpenter	06756100	415	1990-96.	--	1990-92.	--	1990-92.
Lodgepole Creek near Federal	06761000	e25	1933-38.	--	--	--	--
South Fork Lodgepole Creek near Federal	06761500	e16	1933-38.	--	--	--	--
Ninemile Draw:							
Ninemile Draw tributary near Federal	06761600	1.49	--	1960-76.	--	--	--
Muddy Creek:							
Muddy Creek tributary near Burns	06761700	24.8	--	1960-76.	--	--	--
Lodgepole Creek tributary near Pine Bluffs	06761900	.44	--	1960-81.	--	--	--
Lodgepole Creek tributary No. 2 near Albin	06762600	5.69	--	1960-84.	--	--	--
Lodgepole Creek tributary No. 3 near Albin	06762700	.75	--	1960-71.	--	--	--

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
COLORADO RIVER BASIN							
GREEN RIVER BASIN							
Green River near Kendall	09188000	271	1910-12;1918.	--	--	--	--
Green River at Warren Bridge, near Daniel	09188500	468	1932-92;1994-	--	1962-64; 1967-72; 1974-82.	1975-78.	1974-82.
Beaver Creek near Daniel	09189000	141	1938-54.	--	--	--	--
North Horse (head of Horse Creek) Creek above Sherman Ranger Station	09189495	42.8	1982-84.	--	--	--	--
Horse Creek at Sherman Ranger Station	09189500	43.0	1954-74.	--	1976-78.	1976;1978.	1976; 1978.
South Horse Creek near Merna	09189550	33.3	1982-85.	--	--	--	--
Horse Creek near Daniel	09190000	106	1931-54;1982-85.	--	1969;1977.	1977.	1977.
Horse Creek at Daniel	09190500	173	1913-18.	--	--	--	--
Green River near Daniel	09191000	932	1912-32.	--	--	--	--
Cottonwood Creek:							
South Cottonwood Creek near Big Piney	09191300	21.4	1982-84.	--	--	--	--
Cottonwood Creek near Daniel	09191500	202	1938-54.	--	--	--	--
Cottonwood Creek near Big Piney (North channel and South channel)	09192000	227	1915-19;1931-32.	--	--	--	--
Cottonwood Creek near mouth, near Big Piney	09192500	238	1938-40.	--	--	--	--
Green River near Big Piney	09192600	e1,260	--	--	1967-86.	1975-78.	--
New Fork River above New Fork Lakes	09192750	21.8	1985.	--	--	--	--
New Fork River (New Fork) below New Fork Lake, near Cora	09193000	36.2	1938-72.	--	--	--	--
New Fork River at Alexander's Ranch, near Cora (near Cora)	09193500	47.3	1910-11.	--	--	--	--
New Fork River at Pinedale crossing, near Cora (near Cora)	09194000	e72	1905.	--	--	--	--
Willow Creek near Cora	09194500	41.8	1938-41.	--	--	--	--
Lake Creek near Cora	09195000	31.6	1938-41.	--	--	--	--
Duck Creek at Cora	09195500	e27	1938-41.	--	--	--	--
New Fork River (New Fork) near Pinedale	09196000	241	1938-44.	--	1975.	--	--
Pine Creek above Fremont Lake	09196500	75.8	1954-97.	--	1975-78; 1980; 1985-88.	1975-78.	1976.

Footnotes at end of table.

DISCONTINUED AND ACTIVE SURFACE-WATER DISCHARGE, WATER-QUALITY, SEDIMENT, AND BIOLOGICAL STATIONS--Continued

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
COLORADO RIVER BASIN--continued							
GREEN RIVER BASIN--continued							
Green River--continued							
New Fork River--continued							
Pine Creek--continued							
Fremont Ditch near Pinedale	09196940	--	1985-86;1988-95.	--	--	--	--
Highland Ditch near Pinedale	09196960	--	1985-86;1988-95.	--	--	--	--
Pine Creek below Fremont Lake (at Fremont Lake outlet) (near Pinedale)	09197000	114	1910-12;1915-18; 1985-86;1988-	--	--	--	--
Pine Creek near Pinedale	09197500	118	1904-6.	--	--	--	--
Pine Creek at Pinedale	09198000	118	1903-4;1914-54.	--	--	--	--
Pole Creek below Little Half Moon Lake, near Pinedale	09198500	87.5	1938-1971.	--	--	--	--
Pole Creek at Fayette	09199000	126	1904-6.	--	--	--	--
Fall Creek near Pinedale	09199500	37.2	1938-1971.	--	--	--	--
Fall Creek near (at) Fayette	09200000	e38	1904-5.	--	--	--	--
Pole Creek near Pinedale	09200500	167	1910a.	--	--	--	--
New Fork River (New Fork) near Boulder	09201000	552	1914-69.	--	1965; 1967-71.	--	--
Boulder Creek above Boulder Lake, near Boulder	09201500	115	1938-39.	--	--	--	--
Boulder Creek below Boulder Lake, near Boulder	09202000	130	1938-73.	--	--	--	--
Boulder Creek near Boulder (New Fork)	09202500	135	1903-6;1914-24; 1930-32.	--	--	--	--
East Fork River (East Fork) near Big Sandy	09203000	79.2	1938-92.	--	1965;1968; 1971; 1975-78.	1975-78.	1976-77.
East Fork at East Fork Canal	09203500	106	1915-17;1920-23.	--	--	--	--
Silver Creek near Big Sandy	09204000	45.4	1938-1971.	--	1965;1977.	1977.	--
East Fork at Newfork	09204500	348	1904-6;1914-24; 1930-32.	--	--	--	--
Sand Springs Draw:							
Sand Springs Draw tributary near Boulder	09204700	2.77	--	1961-81.	--	--	--
New Fork River near Big Piney	09205000	e1,230	1954-	--	1965-86.	1975-78.	1975-78.
North Piney Creek above Apperson Creek, near Mason	09205490	29.6	1982-84.	--	--	--	--

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
COLORADO RIVER BASIN--continued							
GREEN RIVER BASIN--continued							
Green River--continued							
North Piney Creek near Mason (Marbleton)	09205500	e58	1915-16;1931-1972.	--	1977.	1977.	1977.
Middle Piney Creek below South Fork, near Big Piney	09206000	34.3	1939-54.	--	--	1981.	--
Middle Piney Creek above Springman Creek, near Big Piney	09206500	42.1	1938-39.	--	--	--	--
Middle Piney Creek near Big Piney	09207000	e46	1914-18;1931-32.	--	--	--	--
South Piney Creek near Big Piney	09207500	117	1938-42.	--	--	--	--
Dry Basin Creek near Big Piney	09207650	47.2	--	1971-81.	1975-76; 1978.	1965; 1975-76; 1978.	--
Dry Piney Creek near Big Piney	09207700	e67	1965-73.	--	1990-93.	1965-68; 1971-73; 1990-93.	--
La Barge Creek near La Barge Meadows ranger station	09208000	e6.3	1940-42;1950-81.	--	1975-78.	1975-78.	1976-78.
La Barge Creek above Viola	09208400	122	1982-84.	--	--	--	--
La Barge Creek near Viola (La Barge)	09208500	172	1913-16;1940-49.	--	1977-78.	1978.	1977-78.
La Barge Creek near La Barge (Tulsa)	09209000	193	1931-39.	--	1963.	--	--
Green River near La Barge	09209400	e3,910	1963-	--	1963-94.	1975-82; 1986-94.	1973-80; 1986-94.
Green River near Fontenelle	09209500	3,970	1946-65.	--	1962-63.	--	--
Fontenelle Creek at upper station, near Fontenelle	09210000	e58	1941-42.	--	--	--	--
Fontenelle Creek near Herschler Ranch, near Fontenelle	09210500	152	1951-	--	1975-78.	1975-78.	1977.
Fontenelle Creek near Fontenelle	09211000	224	1914-19;1931-53.	--	--	--	--
Green River tributary near Fontenelle	09211100	3.75	--	1961-74.	--	--	--
Fontenelle Reservoir near Fontenelle	09211150	e4,280	1964-	--	1975.	--	--
Green River below Fontenelle Reservoir	09211200	e4,280	1963-	--	1967-	1975-78; 1980.	1973-80.
Fourmile Gulch:							
Fourmile Gulch tributary near Fontenelle	09211300	14.2	--	1971-81.	--	--	--
Big Sandy River (Creek):							
Squaw Creek near Big Sandy	09211500	e28	1911-12.	--	--	--	--

Footnotes at end of table.

DISCONTINUED AND ACTIVE SURFACE-WATER DISCHARGE, WATER-QUALITY, SEDIMENT, AND BIOLOGICAL STATIONS--Continued

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
COLORADO RIVER BASIN--continued							
GREEN RIVER BASIN--continued							
Green River--continued							
Big Sandy River--continued							
Squaw Creek--continued							
Dutch Joe Creek near Big Sandy	09212000	17.0	1911-12.	--	--	--	--
Big Sandy River (Creek) at Leckie Ranch, near Big Sandy (near Big Sandy)	09212500	e94	1910-11;1939-87.	--	1961-62; 1975-78.	1974-78.	1977.
Big Sandy Creek near Eden	09213000	265	1911;1912a.	--	--	--	--
Big Sandy River (Creek) near Farson	09213500	322	1914-17;1920-24; 1926-34;1953-	--	1962;1972; 1975-82.	1971-82.	1977.
Big Sandy Reservoir near Farson	09213700	386	1987-	--	--	--	--
Big Sandy River below Big Sandy Reservoir	09213705	--	--	--	1981-86.	--	--
Big Sandy River at Farson	09213800	--	--	--	1981-86.	--	--
Little Sandy Creek near Elkhorn	09214000	20.9	1939-71.	--	1961-62; 1977.	1977.	1977.
Little Sandy Creek above Eden	09214500	134	1954-81.	--	1962; 1975-81.	1972; 1975-81.	1977.
Jack Morrow Creek near Farson	09214955	--	--	--	1981.	--	--
Pacific Creek near Farson	09215000	e500	1954-73.	--	1976-78.	1969; 1976-78.	1976-77.
Little Sandy Creek near Eden	09215500	823	1911-12.	--	1981-86.	--	--
Big Sandy River below Farson	09215550	b1,097	1981-99.	--	1982-99.	--	--
Simpson Gulch near Farson	09215990	78.5	--	1961-69.	--	--	--
Big Sandy River (Creek) below Eden	09216000	e1,610	1954-81.	--	1961-64; 1967-81.	1971-81.	1975-80.
Big Sandy River at Gasson Bridge, near Eden	09216050	e1,720	1972-	--	1975-	1975-79; 1981-82; 1990-93.	1976-78.
East Otterman Wash near Green River	09216290	16.6	--	1969-84.	--	1976.	--
Green River at Big Island, near Green River	09216300	e7,300	--	--	1966-81.	1975-79.	1973-78.
Skunk Canyon Creek near Green River	09216350	15.7	--	1965; 1971-81.	--	--	--
Greasewood Canyon near Green River	09216400	45.1	--	1959-74.	--	--	--

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
COLORADO RIVER BASIN--continued							
GREEN RIVER BASIN--continued							
Green River at Green River	09216500	e7,670	1891;1894-1906; 1914-45.	--	--	--	--
Telephone Canyon near Green River	09216510	6.98	--	1965-72.	--	--	--
Telephone Canyon tributary near Green River	09216520	3.44	--	1965-72.	--	--	--
Bitter Creek:							
Great Divide basin:							
Separation Creek at upper station, near Riner	09216525	41.8	--	--	1975-76.	1975-76.	1976.
Separation Creek near Riner	09216527	55.3	1976-81.	--	1976-81.	1976; 1980-81.	1976.
Delaney Draw near Red Desert	09216537	34.5	--	1961-84.	1976-78.	1976-78.	--
Bitter Creek near Bitter Creek	09216545	308	1975-81.	--	1975-81.	1975-81.	1976-78.
Deadman Wash near Point of Rocks	09216550	152	--	1961-81.	1976-78.	1976-78.	--
Bitter Creek near Point of Rocks	09216560	765	--	1961-75.	1975-76.	1975-76.	--
Bitter Creek above Salt Wells Creek, near Salt Wells	09216562	836	1976-81.	--	1975-81.	1975-81.	--
Salt Wells Creek near South Baxter	09216565	34.7	1976-81.	--	1975-81.	1975-81.	1976.
Gap Creek above Beans Spring Creek, near South Baxter	09216570	22.0	--	--	1976;1978.	1975-76; 1978.	1976.
Beans Spring Creek near South Baxter	09216572	4.92	--	--	1975-76; 1978.	1975-76; 1978.	1975-76.
Beans Spring Creek at mouth, near South Baxter	09216574	13.1	--	--	1975-1976; 1978.	1976;1978.	1975-76.
Gap Creek below Beans Spring Creek, near South Baxter	09216576	35.9	1975-76.	1976-81.	1975-76; 1978.	1975-76; 1978.	1975-76.
Dry Canyon Creek near South Baxter	09216578	3.69	1976-80.	--	1980.	1979-80.	--
Big Flat Draw near Rock Springs	09216580	19.5	--	1973-81.	1976.	1976-77.	--
Cutthroat Draw near Rock Springs (formerly Salt Wells Creek tributary near Rock Springs)	09216600	7.88	--	1959-81.	--	--	--
No Name Creek near Rock Springs	09216695	18.2	--	1973-81.	1975.	1975; 1977-78.	--
Salt Wells Creek near Rock Springs	09216700	515	--	1959-76.	1975-76.	1968; 1975-76.	--
Salt Wells Creek near Salt Wells	09216750	526	1976-81.	--	1975-81.	1975-81.	1976.

Footnotes at end of table.

DISCONTINUED AND ACTIVE SURFACE-WATER DISCHARGE, WATER-QUALITY, SEDIMENT, AND BIOLOGICAL STATIONS--Continued

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
COLORADO RIVER BASIN--continued							
GREEN RIVER BASIN--continued							
Green River--continued							
Bitter Creek above Killpecker Creek, at Rock Springs	09216790	--	--	--	1983-93.	1989-93.	1989-93.
Killpecker Creek at Rock Springs	09216810	--	--	--	1975-80; 1983-87.	--	1975-80; 1982-83.
Bitter Creek below Little Bitter Creek, near Kanda	09216880	--	--	--	1975-83.	1978; 1980-82.	1975-82.
Bitter Creek tributary near Green River	09216900	1.65	--	1959-82.	--	--	--
Bitter Creek near Green River	09216950	--	--	--	1966-72.	1966-72.	--
Green River near Green River	09217000	i14,000	1951-	--	1951-	1960-66; 1970-71; 1973-84; 1990-92.	1973-87.
Green River below Green River	09217010	--	--	--	1905;1974-	1975;1977.	1974-89.
Blacks Fork above Blacks Fork ranger station, Utah	09217500	48.8	1937-39.	--	--	--	--
Blacks Fork near Robertson	09217900	e130	1966-86;1992-	--	--	--	--
Blacks Fork at Blacks Fork ranger station, Utah	09218000	129	1937-39.	--	--	--	--
Blacks Fork near Millburne	09218500	152	1939-98.	--	1969-70; 1975-78.	1975-78.	1976-77.
Blacks Fork near Urie	09219000	261	1913-24;1937-55.	--	--	--	--
East Fork of Smiths Fork at China Meadows, near Robertson	09219500	36.9	1938-39.	--	--	--	--
East Fork of Smiths Fork near Robertson	09220000	53.0	1939-99.	--	1975-78.	1975-78.	1977.
West Fork of Smiths Fork near Robertson	09220500	37.2	1939-81.	--	1975-78.	1975-78.	1977.
Smiths Fork near Robertson	09221000	144	1938-39.	--	1969-70; 1976.	1976.	1976.
Smiths Fork at Mountainview	09221500	192	1941-57.	--	--	--	--
Smiths Fork near Lyman	09221650	--	--	--	1974-89.	1975-78.	1974-82.
Mud Spring Hollow:							
Mud Spring Hollow tributary near Lyman	09221670	.97	--	1965-72.	--	--	--
Mud Spring Hollow near Church Butte, near Lyman	09221680	8.83	--	1965-84.	1977-78.	1977-78.	--
Mud Spring (Hank) Hollow near Lyman	09221700	10.2	--	1959-71.	--	--	--
Blacks Fork near Lyman	09222000	821	1937-57;1962-83.	--	1962-89; 1995-	1971-81; 1995-	1973-80; 1995-

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
COLORADO RIVER BASIN--continued							
GREEN RIVER BASIN--continued							
Green River--continued							
Blacks Fork--continued							
Muddy Creek:							
Little Muddy Creek:							
Ryckman Creek near Glencoe	09222200	53.4	1980-81.	--	1980-81.	1980-81.	--
Little Muddy Creek above North Fork, near Glencoe	09222250	366	1980-81.	--	1980-81.	1980-81.	--
Little Muddy Creek near Glencoe	09222300	416	1976-80.	--	1975-80.	1975-80.	1976.
Muddy Creek near Hampton	09222400	963	1975-81.	--	1975-81.	1975-81.	1976.
Blacks Fork above Hams Fork, near (at) Granger (near Granger)	09222500	e2,170	1896-97.	--	--	--	--
Hams Fork below Pole Creek, near Frontier	09223000	128	1952-	--	1975-78.	1975-78.	--
Hams Fork near Frontier	09223500	298	1945-1972.	--	--	--	--
Hams Fork at Diamondville (Kemmerer)	09224000	386	1917-33;1945-49.	--	--	--	--
Hams Fork near Diamondville	09224050	--	--	--	1975-89; 1992-	1980-82.	1975-89; 1992-
Hams Fork near Granger	09224450	e670	--	--	1967-86.	1971-82.	1975-76.
Blacks Fork below Hams Fork, at Granger (at Granger)	09224500	e2,840	1896-1900.	--	--	--	--
Blacks Fork tributary near Granger	09224600	5.03	--	1959-81.	--	--	--
Blacks Fork near Little America	09224700	e3,100	1962-		1964-	1968; 1970-82; 1989.	1973-82.
Meadow Springs Wash:							
Meadow Springs Wash (Spider Creek) tributary near Green River	09224800	5.22	--	1962-65; 1968-81.	--	1978.	--
Blacks Fork tributary No. 2 near Green River	09224810	12.0	--	1965-81.	1978.	1978.	--
Blacks Fork tributary No. 3 near Green River	09224820	3.59	--	1965-84.	--	--	--
Blacks Fork tributary No. 4 near Green River	09224840	1.26	--	1965-81.	--	--	--
Blacks Fork near Marston	09224900	--	--	--	1959-64.	--	--
Summers Dry Creek near Green River	09224980	423	--	1965-81.	1976-78.	1976-78.	--

DISCONTINUED AND ACTIVE SURFACE-WATER DISCHARGE, WATER-QUALITY, SEDIMENT, AND BIOLOGICAL STATIONS--Continued

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
COLORADO RIVER BASIN--continued							
GREEN RIVER BASIN--continued							
Green River--continued							
Blacks Fork near Green River	09225000	e3,670	1947-62.	--	1954-55; 1958-59; 1967.	--	--
Squaw Hollow near Burntfork	09225200	6.57	--	1965-84.	1977-78.	1975; 1977-78.	--
Green River tributary No. 2 near Burntfork	09225300	13.0	--	1959; 1961-81.	1976.	1976-77.	--
Green River near Linwood, Utah	09225500	e14,300	1928-63.	--	--	--	--
Henrys Fork near Lonetree	09226000	e56	1942-72.	--	1969-72; 1976-77.	1977.	1976-77.
Middle Fork Beaver Creek near Lonetree	09226500	e28	1948-70.	--	--	--	--
East Fork Beaver Creek near Lonetree	09227000	e8.2	1948-62.	--	--	--	--
West Fork Beaver Creek near Lonetree	09227500	e23	1948-62.	--	--	--	--
Henrys Fork near Burntfork	09228000	242	1942-54.	--	--	--	--
Burnt Fork near Burntfork	09228500	52.8	1943-83.	--	1969-70; 1975-78.	1975-78.	1977.
Burnt Fork at Burntfork	09229000	e73	1929-43.	--	--	--	--
Henrys Fork tributary near Manila, Utah	09229450	3.15	--	1965-74.	--	--	--
Henrys Fork near Manila, Utah	09229500	e520	1928-93.	--	1954-55; 1958-89.	1972; 1975-78; 1989.	1976.
Sheep Creek:							
Sheep Creek upper canal near Manila, Utah	09231000	--	1949-61.	--	--	--	--
Carter Creek canal near Manila, Utah	09231200	--	1956-61.	--	--	--	--
Sheep Creek lower canal near Manila, Utah	09231500	--	1949-61.	--	--	--	--
Sheep Creek near Manila, Utah	09232000	42	1942-61.	--	--	--	--
Sheep Creek at mouth, near Manila, Utah	09232500	111	1946-61.	--	--	--	--
Flaming Gorge Reservoir at Flaming Gorge Dam, Utah	09234400	e19,350	1962-	--	--	--	--
Green River near Greendale, Utah	09234500	i19,350	1950-	--	1956-59; 1963-	1956-59.	--
Vermillion Creek near Hiawatha, Colo	09235300	196	1975-81.	--	1975-81.	1975-81.	1976-77.

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
COLORADO RIVER BASIN--continued							
GREEN RIVER BASIN--continued							
Green River--continued							
Yampa River:							
Middle Fork Little Snake River:							
North Fork Little Snake River near Encampment	09251800	9.64	1956-65.	--	--	--	--
North Fork Little Snake River near Slater, Colo	09251900	29.3	1956-63.	--	1957-58; 1977-78.	1977-78.	1977.
Little Snake River near Slater, Colo	09253000	285	1943-47;1950-99.	--	1977-86.	1977.	1977.
Battle Creek near Encampment	09253400	13.0	1956-63;1985-88.	--	1978; 1986-88.	1978; 1986-88.	1978.
West Fork Battle Creek:							
Haggarty Creek above Belvidere ditch, near Encampment	09253455	--	--	--	1993-	--	--
West Fork Battle Creek at Battle Creek Campground, near Savery	09253465	--	--	--	1993-	--	--
Slater Fork (Creek) near Slater, Colo	09255000	161	1910-12;1931-	--	--	--	--
East Fork Savery Creek near Encampment	09255400	5.57	1956-58;1985-88.	--	1986-87.	1986-88.	--
Savery Creek at upper station, near Savery	09255500	200	1940-44;1952-71.	--	1957-58; 1975-78; 1986.	1976-78.	1975-78.
Big Sandstone Creek near Savery	09255900	9.85	1956-58;1985-88.	--	1986-87.	1986-88.	--
Savery Creek near Savery	09256000	330	1941-46;1947-72; 1985-92.	--	1975-78; 1985-91.	1976-78; 1985-91.	1975-78; 1985-91.
Savery Creek at Savery	09256500	354	1915-16;1918-22.	--	1957;1975; 1977.	1977.	1975; 1977.
Little Snake River near Dixon	09257000	988	1910-23;1938-98.	--	1957-58; 1975-78; 1981-88.	1971-82; 1988.	1975-77.
Willow Creek near Baggs	09257500	e5	1911-23.	--	--	--	--
Willow Creek near Dixon	09258000	e24	1953-93.	--	--	--	--
Muddy Creek:							
Cow Creek:							
Dry Cow Creek near Baggs	09258200	49.7	--	1970-81.	1976-78.	1975-79.	--
Little Robber Reservoir	09258500	b8.5	1954-62d.	--	--	--	--
Muddy Creek above Baggs	09258900	1,178	--	1958-71.	1976;1978.	1976;1978.	1976.

Footnotes at end of table.

DISCONTINUED AND ACTIVE SURFACE-WATER DISCHARGE, WATER-QUALITY, SEDIMENT, AND BIOLOGICAL STATIONS--Continued

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
COLORADO RIVER BASIN--continued							
GREEN RIVER BASIN--continued							
Green River--continued							
Yampa River--continued							
Little Snake River--continued							
Muddy Creek near Baggs	09259000	e1,257	1915-16;1918;1987-91.	--	1957-58; 1985.	1988-91.	1985.
Little Snake River below Baggs	09259050	--	--	--	1980-	1989-	1981-89.
Fourmile Creek (at Ryan's Ranch) near Baggs	09259500	e4	1911-23.	--	--	--	--
Little Snake River near Baggs	09259700	e3,020	1961-68.	--	1965-80.	1977.	1977.
Little Snake River near Lily, Colo	09260000	e3,730	1904;1921-	--	--	--	--
GREAT SALT LAKE BASIN							
BEAR RIVER BASIN							
Bear River:							
East Fork Bear River near Evanston	10010400	34.6	1973-86.	--	--	--	--
Hilliard-East Fork Canal near State line, near Evanston	10010500	--	1941-79.	--	--	--	--
Diversions from Bear River above gaging station, near Utah-Wyoming State line	10011000	--	1944-47j;1953-56j; 1958-k.	--	--	--	--
West Fork Bear River at Whitney Dam, near Oakley, Utah	10011200	6.79	1963-86.	--	--	--	--
West Fork Bear River below Deer Creek, near Evanston	10011400	52.2	1973-86.	--	--	--	--
Bear River near Utah-Wyoming State line	10011500	172	1942-	--	--	--	--
Mill Creek at Utah-Wyoming State line	10012000	59	1949-62.	--	--	--	--
Mill Creek near Evanston	10012500	60.6	1942-48.	--	--	--	--
Diversions from Mill Creek	10013000	--	1944-45j.	--	--	--	--
Mill Creek below diversions, near Evanston	10013500	--	1946-47j.	--	--	--	--
Bear River above Sulphur Creek, near Evanston	10014000	282	1946-56.	--	--	--	--
Sulphur Creek above diversions, near Evanston	10014500	--	1945k.	--	--	--	--
Willow Creek above diversion, near Evanston	10015000	--	1945k.	--	--	--	--
Diversions from Sulphur Creek and Willow Creek	10015500	--	1944-45j.	--	--	--	--
Sulphur Creek above reservoir, near Evanston	10015700	64.2	1957-97.	--	--	--	--
Sulphur Creek below reservoir, near Evanston	10015900	69.2	1958-92; 1996-97.	--	--	--	--

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
GREAT SALT LAKE BASIN--continued							
BEAR RIVER BASIN--continued							
Bear River--continued							
Sulphur Creek near Evanston	10016000	80.5	1942-59.	--	--	--	--
Bear River at Millis, near Evanston	10016500	420	1942-46.	--	--	--	--
Bear River at Evanston	10016900	433	1984-	--	1986;1989.	1988-89.	--
Yellow Creek near Evanston	10017000	79.2	1944-45;1949-78.	--	--	--	--
Coyote Creek near Evanston	10017500	e28	1942-45.	--	--	--	--
Diversions from Yellow Creek	10018000	--	1944-45j.	--	--	--	--
Yellow Creek below diversions, near Evanston	10018500	--	1946-47j.	--	--	--	--
Yellow Creek at mouth, near Evanston	10018900	--	--	--	1983-89.	--	1983-89.
Bear River near Evanston	10019000	715	1913-56.	--	--	--	--
Chapman Canal at State line, near Evanston	10019500	--	1942-86.	--	--	--	--
Whitney Canyon Creek near Evanston	10019700	8.93	--	1965-81.	--	--	--
Diversions from Bear River between State line and Woodruff gaging stations	10020000	--	1944-47j;1953-56j; 1958-k.	--	--	--	--
Bear River above reservoir, near Woodruff, Utah	10020100	752	1961-	--	1968-	1989-	1978-89.
Woodruff Narrows Reservoir near Woodruff, Utah	10020200	784	1965-96.	--	--	--	--
Bear River below reservoir, near Woodruff, Utah	10020300	784	1961-	--	--	--	--
Bear River near Woodruff, Utah	10020500	e870	1941-61.	--	--	--	--
Bear River near Randolph, Utah	10026500	1,616	1943-92.	--	--	--	--
Twin Creek:							
Rock Creek near Fossil	10026800	49.0	1961-66.	--	--	--	--
Twin Creek tributary near Sage	10026850	2.91	--	1965-70.	--	--	--
Twin Creek at Sage	10027000	246	1943-62;1976-81.	--	1958;1961; 1967-69; 1975-81; 1989-	1976-81; 1989-	1975-80.
Twin Creek Canal near Sage	10027500	--	1944-45j.	--	--	--	--
Diversions from Bear River between Randolph and below Pixley Dam gaging stations	10028000	--	1944-48j;1953-56j; 1958-k.	--	--	--	--
Bear River below Pixley Dam, near Cokeville (near Cokeville)	10028500	2,032	1941-43;1952-56;1958-	--	--	--	--

Footnotes at end of table.

DISCONTINUED AND ACTIVE SURFACE-WATER DISCHARGE, WATER-QUALITY, SEDIMENT, AND BIOLOGICAL STATIONS--Continued

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
GREAT SALT LAKE BASIN--continued							
BEAR RIVER BASIN--continued							
Bear River--continued							
Leeds Creek near Cokeville	10029000	--	1944j.	--	--	--	--
Bear River above Sublette Creek, near Cokeville	10029500	e2,110	1948-55.	--	--	--	--
Sublette Creek near Cokeville	10030000	--	1944-45j;1955-56j; 1958-k.	--	--	--	--
Smiths Fork near Afton	10030300	1.62	--	1964-70.	--	--	--
Smiths Fork near Smoot	10030500	17.3	1943.	--	--	--	--
Smiths Fork above Hobble Creek, near Geneva, Idaho	10031000	--	1944-46j.	--	--	--	--
Smiths Fork near Border	10032000	165	1942-	--	--	--	--
Coal (Howland) Creek near Cokeville	10032500	--	1944-48j;1953-56j.	--	--	--	--
Muddy Creek above Mill Creek, near Cokeville	10032700	20.7	1965-69.	--	--	--	--
Mill Creek near Cokeville	10032800	8.07	1966-69.	--	--	--	--
Grade Creek near Cokeville	10033000	--	1944-48j;1953-56j; 1958-k.	--	--	--	--
Pine Creek above diversions, near Cokeville	10033500	--	1944-48j;1953-56j; 1958-65k.	--	--	--	--
Diversions from Pine Creek	10034000	--	1944-48j;1953-56j; 1958-k.	--	--	--	--
Bruner Creek above Covey Canal, near Cokeville	10034500	--	1944-48j;1953-56j; 1958-k.	--	--	--	--
Smiths Fork at Cokeville	10035000	275	1942-52.	--	1985-88; 1990-92; 1993-	1989-92; 1993-	--
Spring Creek above Covey Canal, near Cokeville	10035500	--	1944-48j;1953-56j; 1958-k.	--	--	--	--
Spring Creek to Collette Creek, near Cokeville	10036000	--	1944-48j;1953-56j.	--	--	--	--
Birch Creek near Cokeville	10036500	--	1944-45k.	--	--	--	--
Garrett Springs:							
Hickman Canal near Cokeville	10037000	--	1944-48j.	--	--	--	--
George Bourne Canal near Cokeville	10037500	--	1944-48j.	--	--	--	--
Bear River below Smiths Fork, near Cokeville	10038000	2,447	1954-	--	1993-	--	1993-

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
GREAT SALT LAKE BASIN--continued							
BEAR RIVER BASIN--continued							
Bear River--continued							
Chalk Creek:							
Chalk Creek Canal near Cokeville	10038500	--	1944-45j.	--	--	--	--
Diversions from Bear River between Pixley Dam and Border gaging stations, and from Smiths Fork and its tributaries	10039000		1944-48j;1953-56j; 1958-k.	--	--	--	--
Bear River at Border	10039500	2,486	1937-	--	1961; 1965-95.	1978-84; 1986-93.	1973-89.
Thomas Fork near Geneva, Idaho	10040000	45.3	1939-51.	--	--	--	--
Thomas Fork near Wyoming-Idaho State line	10041000	113	1949-92.	--	--	--	--
Sheep Creek:							
Sheep Creek tributary near Border	10043300	.12	--	1961-64.	--	--	--
Sheep Creek tributary No. 2 near Border	10043350	.34	--	1965-71.	--	--	--
SNAKE RIVER BASIN							
Snake River at south boundary of Yellowstone National Park	13010000	485	1913-25.	--	--	--	--
Snake River above Jackson Lake, at Flagg Ranch	13010065	486	1987-	--	1987-	1987-92.	1987-93.
Snake River above Jackson Lake, at Flagg Ranch	13010200	486	1983-87.	--	1972; 1975-76; 1983-88.	--	1976.
Pilgrim Creek near Moran	13010450	--	1997.	--	--	--	--
Jackson Lake near (at) Moran	13010500	807	1908-79;1984-	--	--	--	--
(South Fork) Snake River near (at) Moran	13011000	807	1903-	--	--	--	--
Pacific Creek at (near) Moran	13011500	169	1906;1917-18;1944-75; 1978-	--	1987-93.	1987-93.	--
Buffalo Fork:							
Blackrock Creek:							
Blackrock Creek tributary near Moran	13011800	.80	--	1964-74.	--	--	--
Buffalo Fork above Lava Creek, near Moran	13011900	323	1965-	--	1971; 1973-78.	--	--
Buffalo Fork (River) near Moran (Elk)	13012000	378	1906a;1917-18; 1944-60.	--	--	--	--

Footnotes at end of table.

DISCONTINUED AND ACTIVE SURFACE-WATER DISCHARGE, WATER-QUALITY, SEDIMENT, AND BIOLOGICAL STATIONS--Continued

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
SNAKE RIVER BASIN--continued							
Snake River--continued							
Spread Creek at diversion dam, near Moran	13012490	97.4	1994-96.	--	--	--	--
Spread Creek near Moran (Elk)	13012500	101	1917-18;1993-95.	--	1971-72; 1976;1990.	1990.	1976.
Cottonwood Creek near Teton	13013000	72.3	1917-18.	--	--	--	--
Spring Creek near Teton	13013500	--	1917-18.	--	--	--	--
Snake River at Moose	13013650	1,677	1995-	--	1995-	1995-	--
Cottonwood Creek:							
Spring Creek near Zenith	13014000	--	1917-18.	--	--	--	--
Gros Ventre River at Kelly	13014500	622	1918;1944-58.	--	--	--	--
Gros Ventre River at Zenith	13015000	683	1917-18;1987-	--	--	--	--
Spring Creek at Zenith	13015500	--	1917-18.	--	--	--	--
Spring Creek at West Gros Ventre Butte	13016000	--	1918.	--	--	--	--
Snake River near Wilson	13016100	2,342	1972-75.	--	--	--	--
FISH CREEK BASIN							
Fish Creek:							
Lake Creek below Granite Creek Supplement, near Moose	13016240	22.2	1995-99.	--	--	--	--
Granite Creek above Granite Creek Supplement, near Moose	13016305	14.9	1995-	--	--	--	--
Granite Creek Supplement above Lake Creek, near Moose	13016310	--	1995-99.	--	--	--	--
Granite Creek Supplement below Lake Creek, near Moose	13016315	--	1995-99.	--	--	--	--
Fish Creek at Wilson	13016450	71.2	1994-	--	--	--	--
Fish Creek near Wilson	13016500	87.4	1917-18.	--	--	--	--
Mosquito Creek near Wilson	13017000	24.2	1917-18.	--	--	--	--
Big Spring Creek near Cheney	13017500	--	1918.	--	--	--	--
FLAT CREEK BASIN							
Flat Creek near Jackson	13018000	40.1	1933-41;1989-93.	1994-96.	1966;1973.	--	--
Cache Creek near Jackson	13018300	10.6	1962-	--	1965-96.	1968-96.	1969; 1973-96.
Flat Creek below Cache Creek, near Jackson	13018350	129	1989-96;1999-	--	1973.	--	--
Flat Creek near Cheney	13018500	142	1917-18;1989-93.	1994-96.	1981-82.	--	1981-82.
Snake River below Flat Creek, near Jackson	13018750	2,627	1975-	--	--	--	--
Horse Creek near Cheney	13019000	37.9	1917-18.	--	--	--	--

Footnote at end of the table.

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
SNAKE RIVER BASIN--continued							
Snake River--continued							
HOBACK RIVER BASIN							
Hoback River:							
Rim Draw (Fish Creek) near Bondurant	13019210	3.41	--	1964-74.	--	--	--
Sour Moose Creek near Bondurant	13019220	2.77	--	1964-81.	--	--	--
North Fork Fish Creek near Bondurant	13019280	14.4	--	1964-69.	--	--	--
Cliff Creek near Bondurant	13019400	58.6	--	1964-74.	--	--	--
Granite Creek near Bondurant	13019430	--	--	--	1983-90.	1983-90.	--
Little Granite Creek at mouth, near Bondurant	13019438	21.1	1981-92.	--	1981-90.	1981-90.	1981-90.
Hoback River near Jackson (Cheney)	13019500	564	1917-18;1944-58.	--	--	--	--
Fall (Coburn) Creek near Jackson (Cheney)	13020000	46.8	1917-18.	1964-74.	--	--	--
Snake River at Astoria Mineral Hot Springs	13020300	--	--	--	1992.	--	--
Dog Creek near Cheney	13020500	14.1	1917-18.	--	--	--	--
Cabin Creek near Jackson (Cheney)	13021000	8.71	1917-18.	1964-74.	--	--	--
Bailey Creek near Alpine, Idaho (Wyo.)	13021500	15.9	1917-18.	--	--	--	--
West Table Creek near Alpine	13021700	1.06	--	1964-69.	--	--	--
Wolf Creek near Alpine, Wyo. (Idaho)	13022000	13.1	1917-18.	1964-67.	--	--	--
Snake River above reservoir, near Alpine	13022500	3,465	1937-39;1953-	--	1965-86; 1988.	1974-77.	1973-80.
RED CREEK BASIN							
Red Creek near Alpine	13022550	3.88	--	1964-73.	--	--	--
COTTONWOOD CREEK BASIN							
Cottonwood Creek near Alpine	13022570	2.40	--	1964-72.	--	--	--
GREYS RIVER BASIN							
Greys River above reservoir, near Alpine (near Alpine, Idaho)	13023000	448	1917-18;1937-39;1953-	--	--	--	--
Snake River below Greys River, at Alpine, Idaho	13023500	3,940	1944-54.	--	--	--	--
SALT RIVER BASIN							
Salt River:							
Fish Creek near Smoot	13023800	e3.60	--	1964-74.	--	--	--
Salt River near Smoot	13023900	47.8	1932-57.	--	1981-85.	--	--
Cottonwood Creek near Smoot	13024500	26.3	1932-57.	--	--	--	--
Swift Creek near Afton	13025000	27.4	1942-80.	--	1965; 1981-85.	--	--

Footnotes at end of table.

DISCONTINUED AND ACTIVE SURFACE-WATER DISCHARGE, WATER-QUALITY, SEDIMENT, AND BIOLOGICAL STATIONS--Continued

Station name	Station number	Drainage area (square miles)	Period of record, by calendar year				
			Daily or monthly discharge or content	Annual peak discharge	Water quality	Sediment	Biology
SNAKE RIVER BASIN--continued							
Snake River--continued							
SALT RIVER BASIN--continued							
Salt River--continued							
Crow Creek near Fairview	13025500	e115	1946-49;1961-67.	--	1965; 1983-84.	--	--
Stump Creek near Auburn	13026000	103	1946-49.	--	1989-92.	--	--
Salt River near Thayne	13026500	570	1932-33;1961-67.	--	--	--	--
Strawberry Creek near Bedford	13027000	21.3	1932-43.	--	--	--	--
Bear Canyon near Freedom	13027200	e3.3	--	1961-71.	--	--	--
Salt River above reservoir, near Etna	13027500	829	1953-	--	1965-95.	1989-95.	1970; 1973-81; 1989-92.
Salt River near Alpine, Idaho	13028000	878	1917-18.	--	--	--	--
Salt River at Wyoming-Idaho State line	13028500	890	1933-55.	--	--	--	--
Snake River near Alpine	13029000	4,841	1916-18;1934.	--	--	--	--
Snake River near Irwin, Idaho	13032500	5,225	1934-36;1939-41;1949-	--	--	--	--
HENRYS FORK BASIN							
Falls River:							
Grassy Lake near Moran	13046500	10.4	1939-79.	--	--	--	--
Boundary Creek near Bechler Ranger Station	13046680	86.9	1984-	--	--	--	--
Conant Creek:							
Squirrel Creek:							
North Fork Squirrel Creek near Squirrel, Idaho	13047800	2.40	1961-67.	--	--	--	--

a Stage record or stage record and instantaneous discharge measurements only.
b Part of drainage area is noncontributing or does not contribute directly to surface runoff.
c Storm runoff for summer season only.
d Published in U.S. Geological Survey Water-Supply Paper 1475-I, Hydrology of Small Watersheds in Western States.
e Approximate.
f Published in reports of Department of Northern Affairs and National Resources, Canada.
g Published in U.S. Geological Survey Water-Supply Paper 1531, Hydrology of the Upper Cheyenne River Basin.
h Includes several sites on the reservoir.
i Approximately, includes area which is probably noncontributing.
j Published in U. S. Geological Survey Open-File Report of Bear River hydrometric data.
k Published in reports of Bear River Commission.

INTRODUCTION

The Water Resources Division of the U.S. Geological Survey, in cooperation with State, county, municipal, and other Federal agencies, obtains a large amount of data pertaining to the water resources of Wyoming each water year. These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State. To make these data readily available to interested parties outside the U.S. Geological Survey, the data are published annually in this report series entitled, "Water Resources Data - Wyoming".

Water resources data for water year 2000 for Wyoming in this volume consist of records of stage, discharge, and water quality of streams; and stage, contents, and water quality of lakes and reservoirs. This report contains discharge records for 141 gaging stations; stage and contents for 15 lakes and reservoirs; and water quality at 22 gaging stations and 21 ungaged stations. Locations of streamflow-gaging stations and water-quality stations are shown in figure 1. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements.

Records of discharge or stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities of the United States or may be purchased from U.S. Geological Survey, Earth Science Information Center, Federal Center, Building 810, Box 25286, Denver, Colorado 80225.

For water years 1961 through 1970, streamflow data were released by the U.S. Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1970 were similarly released either in separate reports or in conjunction with streamflow records.

Beginning with the 1971 water year, water data for streamflow, water quality, and ground water have been published in official U.S. Geological Survey reports on a State-boundary basis. These official U.S. Geological Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report WY-00-1." These water-data reports are for sale, in paper copy or on microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the District Chief at the address given on the back of the title page, by telephone at (307) 778-2931, or be email at state_rep_wy@usgs.gov. Hydrologic data for Wyoming is available on the World Wide Web at:

http://wy.water.usgs.gov/

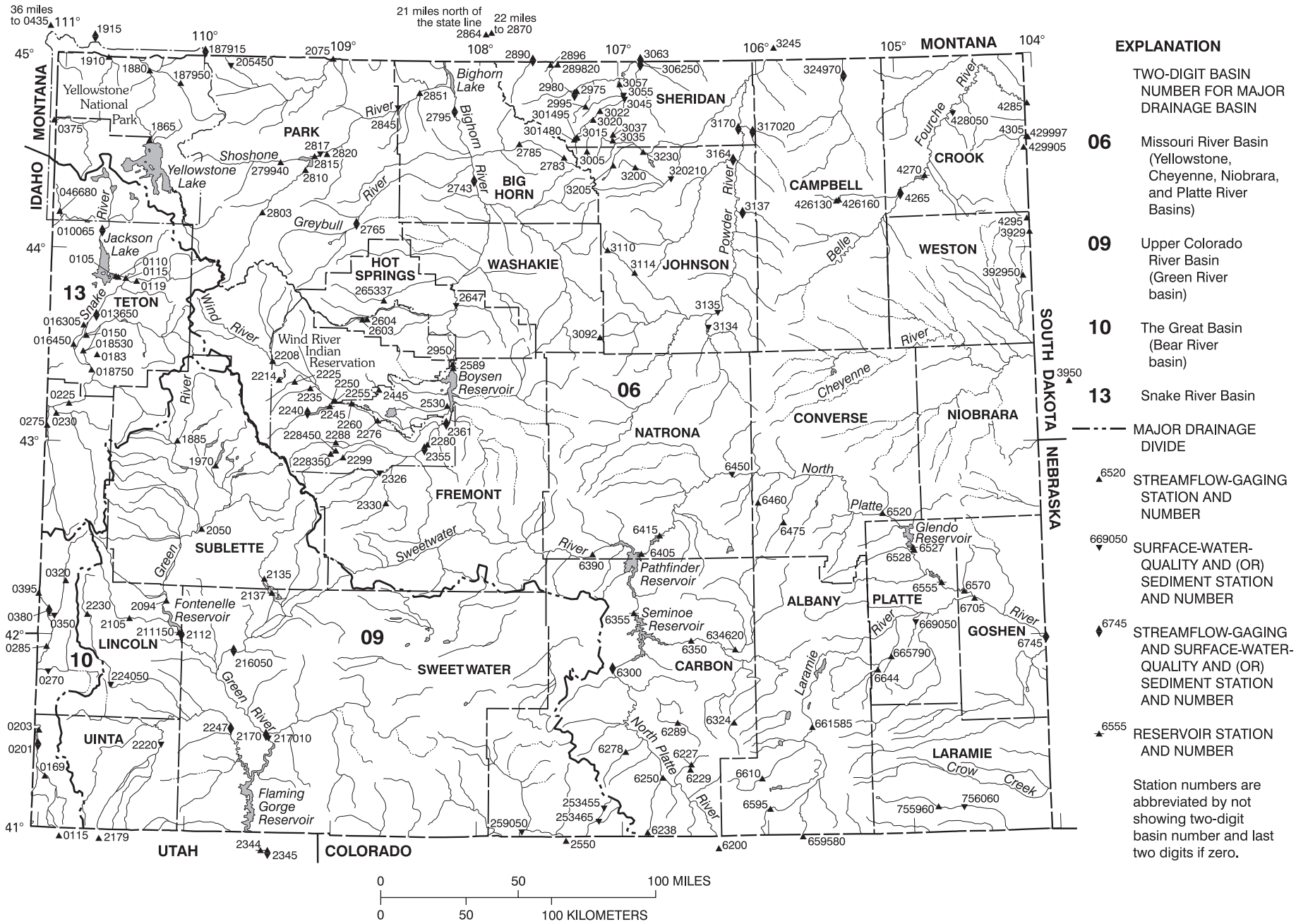


Figure 1. Location of surface-water stations, water-quality stations, and stage and/or content stations, 2000 water year.

COOPERATION

The U.S. Geological Survey and organizations of the State of Wyoming have had cooperative agreements for the systematic collection of streamflow records since 1895, for ground-water levels since 1940, and for water-quality records since 1946. Organizations that assisted in collecting data through cooperative agreement with the Survey are:

Wyoming State Engineer's Office, Patrick T. Tyrrell, State Engineer

Wyoming Water Development Commission, Lawrence Besson, Administrator

Wyoming Department of Environmental Quality, Dennis Hemmer, Director

Shoshone and Arapaho Tribes, Joint Business Council, Ivan Posey and Al Addison, Co-chairmen

Fremont County Weed and Pest Control District, Lars Baker, Supervisor

Teton Conservation District, Randy Williams, Executive Director

City of Cheyenne, Jack Spiker, Mayor

City of Evanston, William Davis, Mayor

City of Sheridan, Jim Wilson, Mayor

Saratoga, Encampment, Rawlins Conservation District, Mark Shirley, District Coordinator

Sheridan Area Water Supply Joint Powers Board, Bruce Yates, Administrator

The following Federal agencies assisted in the data collection program by providing funds or services:

Corps of Engineers, U.S. Army

Bureau of Land Management, U.S. Department of the Interior

Bureau of Reclamation, U.S. Department of the Interior

SUMMARY OF HYDROLOGIC CONDITIONS

Precipitation and snowpack were less than normal during water year 2000 throughout most of Wyoming. Streamflow at most streamflow-gaging stations in water year 2000 was less than normal. Specific conductance measurements in water year 2000 at seven gaging stations for six selected Wyoming streams (Shoshone River, Powder River, North Platte River, Green River, Blacks Fork, and Bear River) generally were within the range of measurements for the 10-year period preceding water year 2000.

Precipitation

Precipitation was less than normal (average for 1961-90) during water year 2000 throughout most of the State. Precipitation and departures from normal for the major divisions, as defined by the National Oceanic and Atmospheric Administration, are published monthly in "Climatological Data, Wyoming". The divisional data from water year 2000 were separated into two time periods (October 1999 through March 2000, and April through September 2000) representing periods of snow accumulation and snowmelt/rainfall for water year 2000 and compared to normal precipitation for the same periods (fig. 2). Precipitation for both October 1999 through March 2000 and April through September 2000 was less than normal in all divisions of the State.

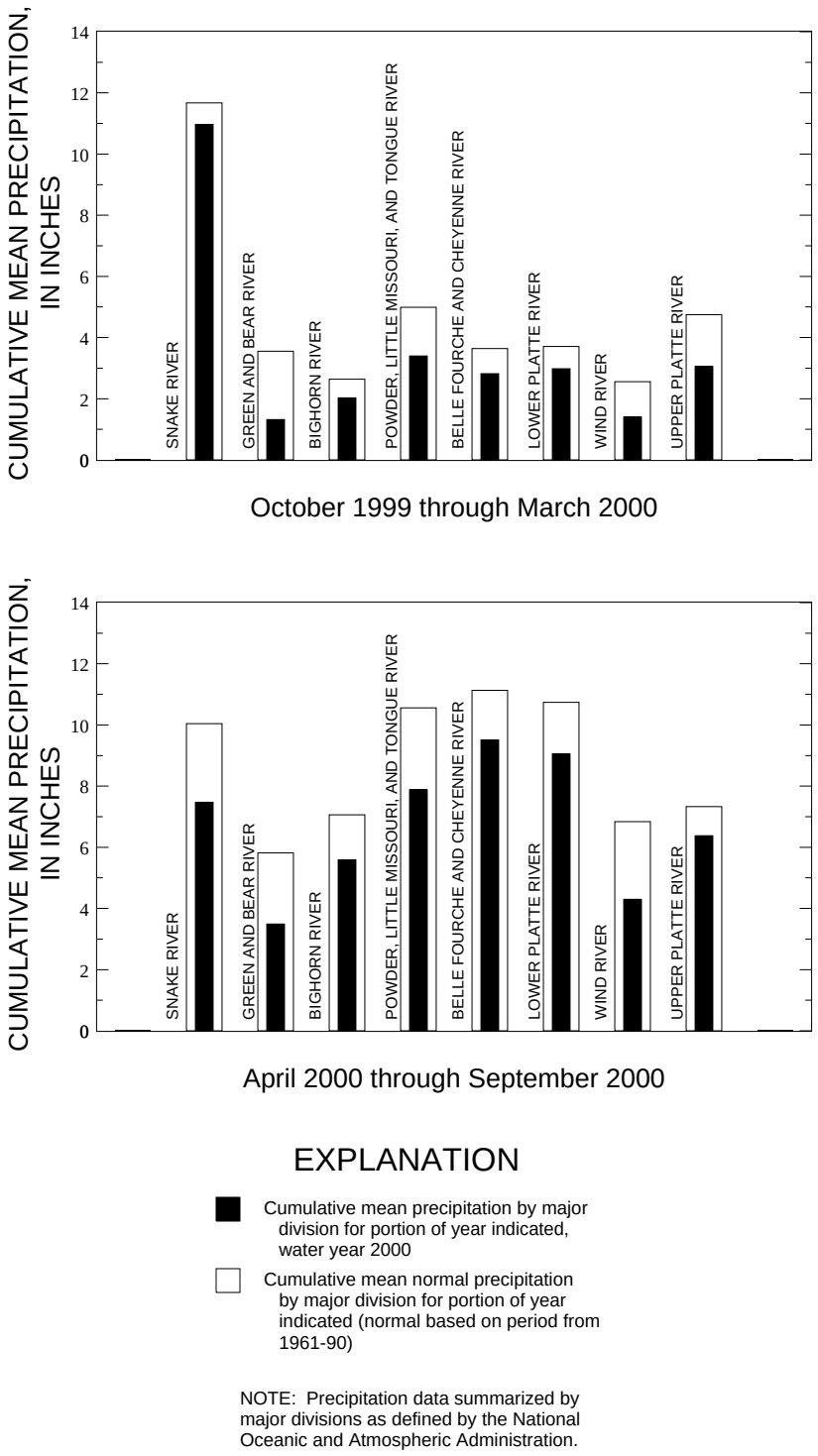


Figure 2. Mean cumulative precipitation for water year 2000 and mean cumulative normal precipitation for 1961-90 by major divisions, Wyoming.

Most of the precipitation data compiled for figure 2 are from stations in basin and plains areas of the State. Data from these stations might not be indicative of precipitation in the mountains. Most of the precipitation in the mountains is in the form of snow. Melting of the snowpack throughout the late spring and early summer provides most of Wyoming's annual water supply. Precipitation and snowpack is reported by the U.S. Department of Agriculture, Natural Resources Conservation Service (NRCS) in "Wyoming Basin Outlook Reports."

Mountain snowpack as of May 1, 2000, prior to the normal intense snowmelt period, varied from much less than normal to near normal across the State. The range of snowpack, in percent of average snow water equivalent, for stations in the major river divisions, as defined by the NRCS, in Wyoming as of May 1, 2000 are listed in the table 1.

Table 1.--Summary of snowpack conditions in eight major river divisions in Wyoming for water year 2000.

Major River Division	Range of snowpack, in percent of average snow water equivalent As of May 1, 2000
Snake River	54 to 67
Green and Bear River	49 to 71
Bighorn River	51 to 90
Powder and Tongue Rivers	55 to 84
Belle Fourche and Cheyenne Rivers	22
Lower Platte River	49 to 87
Wind River	40 to 67
Upper Platte River	64 to 96

Streamflow

The U.S. Geological Survey operates a network of streamflow stations throughout Wyoming in cooperation with numerous Federal, Tribal, State, and local agencies. The network changes from year to year as objectives are achieved or changed, or funding is changed. Long-term index stations have been established for the eight major river basin divisions of the State. Over time, the discharge records for these stations provide valuable data to describe hydrologic conditions and climate changes in the State.

Streamflow at most gaging stations across the State in water year 2000 was below normal. Streamflow statistics at seven gaging stations for representative major rivers in Wyoming are shown in figure 3. Average annual discharge at gaging stations on major rivers in 2000 was less than the median average annual discharge for the period of record. Average annual discharge in 2000 for gaging stations 06279500 Bighorn River at Kane, 06317000 Powder River at Arvada, 09217000 Green River near Green River, and 13022500 Snake River above reservoir, near Alpine was less than the lowest quartile of flow for the period of record. Average monthly discharges were near normal to much less than normal for October through March except for 09217000 Green River near Green River, which was greater than normal for the same period. Average monthly discharges for April through September were generally near normal to much less than normal for all stations shown in figure 3. The month of May is the exception for this period with five of the seven stations in the above normal range. All seven stations had at least 2 months, and as many as 6 months at 06279500 Bighorn River at Kane and 06317000 Powder River at Arvada, of average monthly discharges in the lowest quartile for the period of record.

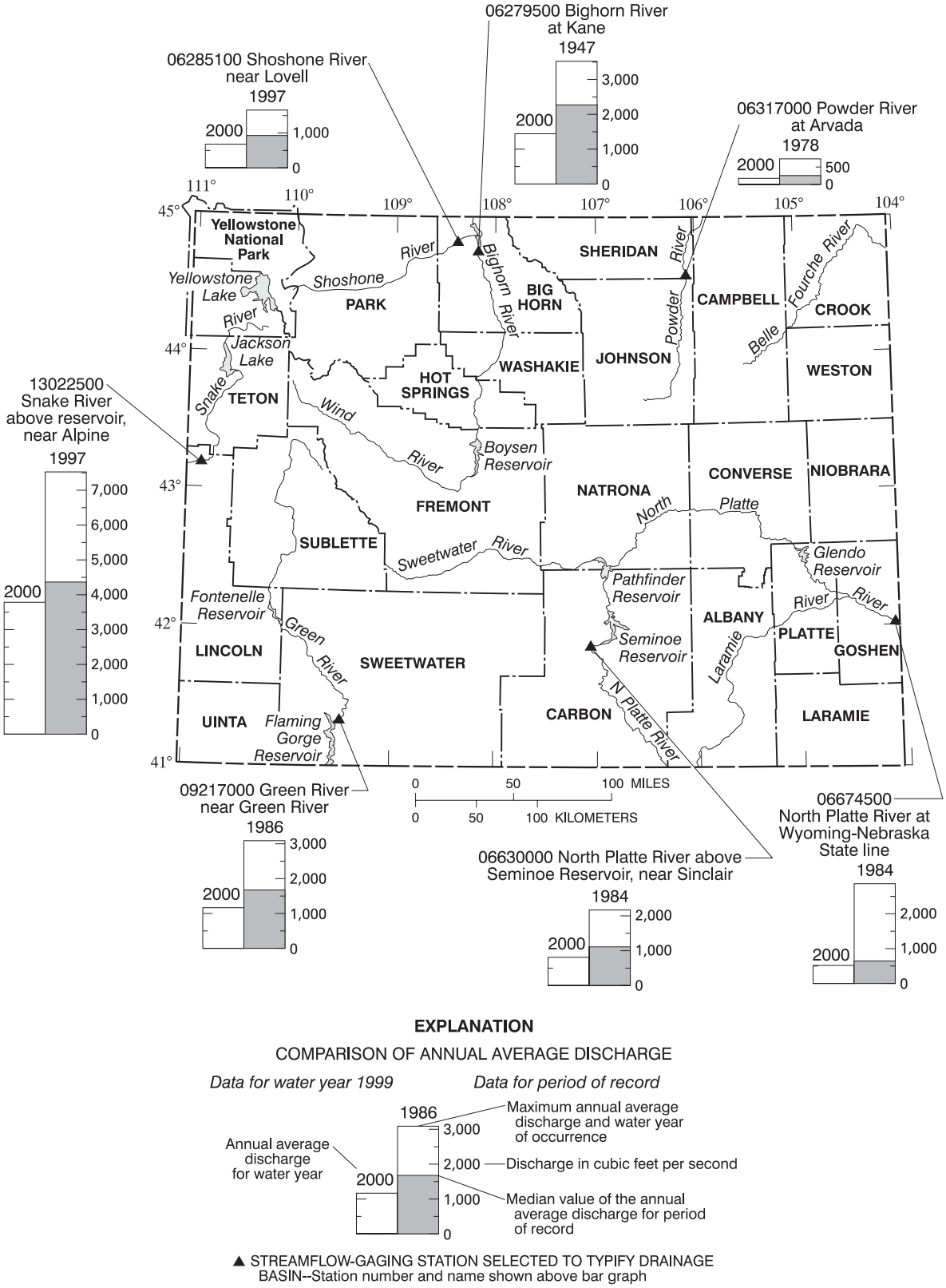


Figure 3a. Annual average discharge for water year 2000, and median and maximum annual average discharge for period of record for seven representative gaging stations in Wyoming.

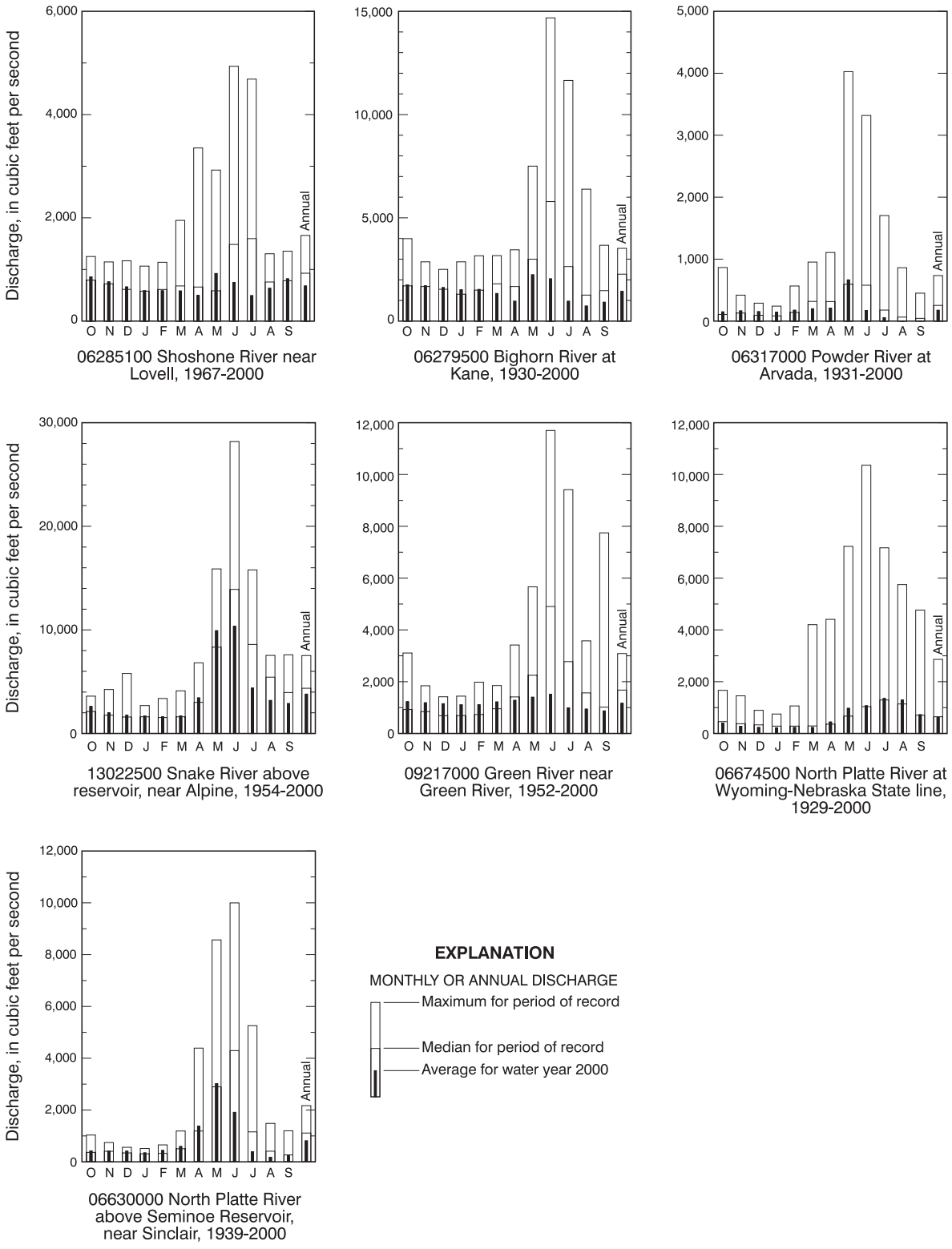


Figure 3b. Average monthly and annual discharge for water year 2000, and median and maximum monthly and annual discharge for period of record for seven representative gaging stations in Wyoming.

Chemical Quality of Stream Water

The U.S. Geological Survey operates a network of water-quality stations throughout Wyoming in cooperation with numerous Federal, State, and local agencies. The network changes from year to year as objectives are achieved or changed, or funding is changed. The sampling frequency varies from station to station, however most stations are sampled at least four times per year. Some stations have only a few years of water-quality information, while other stations have been in operation for many years and provide a basis for description of long-term conditions that represent a wide range of natural variability. Various water-quality measurements are made, either onsite or by laboratory analyses of samples, depending on the water-quality objectives of the investigation. Onsite stream measurements generally include specific conductance, pH, water temperature, and dissolved oxygen for all stations. In addition, bacteria are sometimes analyzed in the field. Laboratory analyses in water year 2000 include major ions, dissolved solids, nutrients, trace elements, or organic compounds.

The concentration of dissolved solids represents the total of all constituents dissolved in the water. Specific conductance typically varies directly with the dissolved-solids concentration; thus, specific conductance was chosen as an indicator of the concentration of dissolved solids in water. Concentrations of dissolved solids generally are inversely related to discharge. A statistical summary of specific conductance measurements from stream-water samples at seven stations for six selected streams in Wyoming describes the general chemical variability of the stream water during 2000 (table 2). The specific conductance varies considerably in Wyoming owing to the diverse geology of the State. The maximum value measured on these streams (3,770 microsiemens per centimeter at 25 degrees Celsius) was from a sample collected at the Powder River station (06317000); the minimum value measured (126 microsiemens per centimeter at 25 degrees Celsius) was from a sample collected at the Shoshone River station (06281700).

To compare the current and long-term water-quality conditions, specific conductance measurements are summarized for water year 2000 and the 10-year period of water years 1990-99. The range of specific conductance measurements is described by the minimum and maximum values. In addition, the central tendency of data collected over the 10-year period is described by the median (50th percentile). All specific conductance measurements in 2000 were within the range of measurements for the 10-year period of water years 1990-99, except for two samples. The maximum specific conductance measurement (3,770 microsiemens per centimeter at 25 degrees Celsius) at the Powder River station (06317000) and the maximum specific conductance measurement (634 microsiemens per centimeter at 25 degrees Celsius) at the North Platte above Seminoe Reservoir, near Sinclair, Wyoming (06630000) in water year 2000 were greater than the maximum for the 10-year period of water years 1990-99.

Table 2.--Statistical summary of specific conductance measurements for discrete water samples at selected locations and for the 2000 and 1990-1999 water years.

[Specific conductance, in microsiemens per centimeter at 25 degrees Celsius]

	Specific Conductance						
	Water Year 2000			Water years 1990-1999			
Stream name and station number	Number of values	Maximum	Minimum	Number of values	Maximum	Minimum	Median
Shoshone River above Demaris Springs, near Cody, WY 06281700	8	223	126	93	450	89	198
Powder River at Arvada, WY 06317000	4	3,770	1,930	53	3,650	744	2,070
North Platte River above Seminoe Reservoir, near Sinclair, WY 06630000	12	634	277	84	600	155	363
North Platte River at Wyoming-Nebraska State line 06674500	4	917	663	84	1,240	545	862
Green River near Green River, WY 09217000	6	665	462	74	827	270	521
Blacks Fork near Little America, WY 09224700	10	2,650	825	103	2,830	475	1,310
Bear River above reservoir, near Woodruff, UT 10020100	4	576	159	36	606	145	376

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Benchmark Network is a network of 50 sites in small drainage basins around the country. The objectives of the network are to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare with conditions observed in basins more obviously affected by the activities of man.

National Stream Quality Accounting Network (NASQAN) monitors the water quality of large rivers within four of the Nation's largest river basins--the Mississippi, Columbia, Colorado, and Rio Grande. The network consists of 40 stations. Samples are collected with sufficient frequency that the flux of a wide range of constituents can be estimated. The objective of NASQAN is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment Program (NAWQA); (3) to characterize processes unique to large-river systems such as storage and re-mobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and to determine global cycles of carbon, nutrients, and other chemicals. Additional information about the NASQAN Program is available through the World Wide Web at:

http://water.usgs.gov/nasqan/

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) provides continuous measurement and assessment of the chemical climate of precipitation throughout the United States. As the lead Federal agency, the USGS works together with over 100 organizations to accomplish the following objectives; (1) To provide a long-term, spatial and temporal record of atmospheric deposition generated from a network of 191 precipitation chemistry monitoring sites; (2) to provide the mechanism to evaluate the effectiveness of the significant reduction in SO_2 emissions that began in 1995 as implementation of the Clean Air Act Amendments (CAAA) occurred; and (3) to provide the scientific basis and nationwide evaluation mechanism for implementation of the Phase II CAAA emission reductions for SO_2 and NO_x scheduled to begin in 2000.

Data from the network, as well as information about individual sites, are available through the world wide web at:

http://nadp.sws.uiuc.edu/

The National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, representative part of the Nation's ground- and surface-water resources; to provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and to provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

Assessment activities are being conducted in more than 50 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents are being measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for decision making by water-resources managers and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

The water quality in the Yellowstone river basin presently is being studied as part of the USGS NAWQA program. During the 2000 water year, the study conducted the second of three years of intensive data collection. Ground water and stream water are being sampled for an extensive list of natural and anthropogenic chemicals. Aquatic ecology, including stream morphology and aquatic plant and animal communities, are also being measured. All media are being sampled using a nationally consistent set of protocols, methods, and measurements. Most of the routine data (major ions, nutrients, trace elements, and some pesticides) collected in Montana and Wyoming are included in this report. Other data not included in this report (additional pesticides, volatile organic compounds, stream morphology, populations of aquatic flora and fauna, and data for adjacent states) are available in the District offices.

The Yellowstone River basin study unit extends from central Wyoming north to include most of southeastern Montana and a small part of western North Dakota. The entire Yellowstone River watershed defines the study unit boundaries and includes all of the Wind/Bighorn, Powder, Tongue, and Clarks Fork Yellowstone tributary watersheds. Total area for the study unit is about 70,100 square miles (sq mi) of which 51 percent is in Montana, 48 percent is in Wyoming, and 1 percent is in North Dakota. Total population of the study unit was about 323,000 (1990 census), of which 206,000 were in Montana, 116,000 were in Wyoming, and 1,000 were in North Dakota.

The study unit lies within the Rocky Mountain System and Interior Plains physiographic divisions. Topography of the study unit in the Rocky Mountain System division varies from mountain ranges and high plateaus, including the Wind River Range, Bighorn Mountains, and Absaroka Plateau, to intermontane basins, such as the Wind River and Bighorn Basins. The highest elevations in the study unit are in the Wind River Range, where several peaks exceed 13,000 feet above sea level. The Interior Plains division part of the study unit varies from gently rolling plains to sharply dissected badlands. The lowest point in the study unit, 1,850 feet above sea level, is located at the mouth of the Yellowstone River in North Dakota

Communication and coordination between USGS personnel and other local, State, and Federal interests are critical components of the NAWQA Program. Each study unit has a local liaison committee consisting of representatives from key Federal, State, and local water resources agencies, Indian nations, and universities within the study unit. Liaison committees typically meet semiannually to discuss their information needs, monitoring plans and progress, desired information products, and opportunities to collaborate efforts among the agencies.

Additional information about the NAWQA Program is available through the world wide web at:

http://water.usgs.gov/nawqa/nawqa_home.html

or for the Yellowstone Study at:

http://wy.water.usgs.gov/YELL/index.htm

Radiochemical Program is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins within the coterminous United States.

Tritium Network is a network of stations that has been established to provide baseline information on the occurrence of tritium in the Nation's surface waters. In addition to the surface-water stations in the network, tritium data also are obtained at a number of precipitation stations. The purpose of collecting tritium data at precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.

EXPLANATION OF THE RECORDS

The surface-water records published in this report are for water year 2000, which began October 1, 1999, and ended September 30, 2000. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage and content data for lakes and reservoirs, and water-quality data for surface water. The locations of the stations where the data were collected are shown in figure 1. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

Each surface-water data station in this report is assigned a unique identification number. The number usually is assigned when a station is first established and is retained for that station indefinitely. The system is used by the U.S. Geological Survey to assign identification numbers for surface-water stations is based on geographic location. Generally, the "downstream-order" system is used for surface-water stations, and the "latitude-longitude" system is used in Wyoming for surface-water stations where only miscellaneous measurements are made.

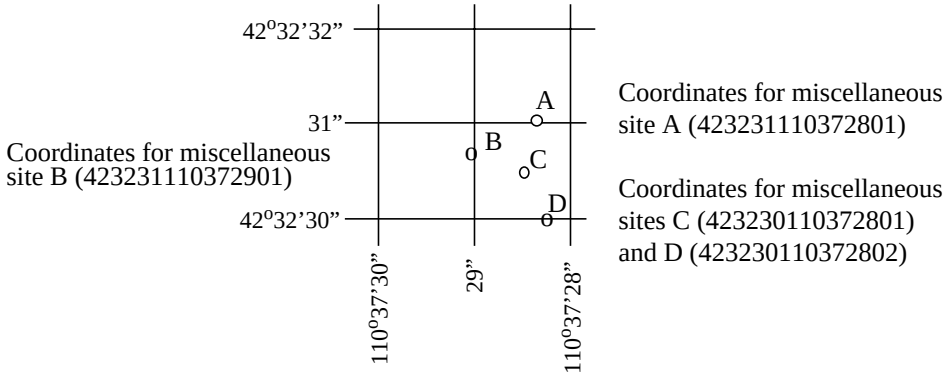
Downstream-Order System

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a mainstream station are listed before that station. A station on a tributary that enters between two mainstream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary with respect to the stream to which it is immediately tributary is indicated by an indention in the section "Surface-water stations, in downstream order, for which records are published in this volume" in the front of this report. Each indention represents one rank. This downstream order and system of indention shows which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

The station-identification number is assigned in downstream order. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of all types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete eight-digit number for each station, such as 06646000, which appears just to the left of the station name, includes the two-digit Part number "06" plus the six-digit downstream-order number "646000." The Part number designates the major river basin; for example, Part "06" is the Missouri River basin.

Latitude-Longitude System

The identification numbers for miscellaneous surface-water sites are assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of north latitude, the next seven digits denote degrees, minutes, and seconds of west longitude, and the last two digits (assigned sequentially) identify the order of sites if more than one within a 1-second grid. This site-identification number, once assigned, is arbitrary and has no locational significance. If the initial determination of latitude and longitude is found to be in error, the station will retain its initial identification number; however, its true latitude and longitude will be listed in the LOCATION paragraph of the station description. (See following figure.)



System for numbering miscellaneous sites (latitude and longitude).

Records of Stage and Water Discharge

Records of stage and water discharge may be complete or partial. Complete records of discharge are those obtained using a continuous stage-recording device through which either instantaneous or mean daily discharges may be computed for any time, or any period of time, during the period of record. Complete records of lake or reservoir content, similarly, are those for which stage or content may be computed or estimated with reasonable accuracy for any time, or period of time. They may be obtained using a continuous stage-recording device, but need not be. Because daily reservoir storage and end-of-day contents commonly are published for such stations, they are referred to as "daily stations."

By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles. Records of miscellaneous discharge measurements or of measurements from special studies may be considered as partial records, but they are presented separately in this report. Location of all complete-record stations for which data are given in this report are shown in figure 1.

Data Collection and Computation

The data obtained at a complete-record gaging station on a stream or canal consist of a continuous record of stage, individual measurements of discharge throughout a range of stages, and notations regarding factors that may affect the relationships between stage and discharge. These data, together with supplemental information, such as weather records, are used to compute daily discharges. The data obtained at a complete-record gaging station on a lake or reservoir consist of a record of stage and of notations regarding factors that may affect the relationship between stage and lake content. These data are used with stage-area and stage-capacity curves or tables to compute water-surface areas and lake storage.

Continuous records of stage are obtained with analog recorders that trace continuous graphs of stage or with digital recorders that punch stage values on paper tapes at selected time intervals or with electronic data loggers that store and/or transmit stage values by satellite telemetry. Measurements of discharge are made with current meters using methods adopted by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water-Resources Investigations, Book 3, Chapter A6.

In computing discharge records, results of individual measurements are plotted against the corresponding stages, and stage-discharge relation curves are constructed. From these curves, rating tables indicating the approximate discharge for any stage within the range of the measurements are prepared. If it is necessary to define extremes of discharge outside the range of the current-meter measurements, the curves are extended using: (1) logarithmic plotting; (2) velocity-area studies; (3) results of indirect measurements of peak discharge, such as slope-area or contracted-opening measurements, and computations of flow over dams or weirs; or (4) step- backwater techniques.

Daily mean discharges are computed by applying the daily mean stages (gage heights) to the stage-discharge curves or tables. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is determined by the shifting-control method, in which correction factors based on the individual discharge measurements and notes of the personnel making the measurements are applied to the gage heights before the discharges are determined from the curves or tables. This shifting-control method also is used if the stage-discharge relation is changed temporarily because of aquatic growth or debris on the control. For some stations, formation of ice in the winter may so obscure the stage-discharge relations that daily mean discharges must be estimated from other information such as temperature and precipitation records, notes of observations, and records for other stations in the same or nearby basins for comparable periods.

At some streamgaging stations, the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

In computing records of lake or reservoir contents, it is necessary to have available (from surveys) curves or tables defining the relationship of stage and content. The application of stage to the stage-content curves or tables gives the contents from which daily, monthly, or yearly changes are determined. If the stage-content relationship changes because of deposition of sediment in a lake or reservoir, periodic resurveys may be necessary to redefine the relationship. Even when this is done, the contents computed may become increasingly incorrect as the lapsed time since the last survey increases. Discharges over lake or reservoir spillways are computed from stage-discharge relationships much as other stream discharges are computed.

For some gaging stations, there are periods when no gage-height record is obtained, or the recorded gage height is so incorrect that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated from the recorded range in stage, previous or following record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise, daily contents may be estimated from operator's logs, previous or following record, inflow-outflow studies, and other information. Information explaining how estimated daily- discharge values are identified in station records is included in sections "Data Presentation" (REMARKS paragraph) and "Identifying Estimated Daily Discharge."

Data Presentation

Streamflow data in this report are presented in a format considerably different from the format in data reports prior to the 1991 water year. The major changes are that statistical characteristics of discharge now appear in tabular summaries following the water-year data table and less information is provided in the text or station manuscript above the table. These changes represent the results of reformatting the annual water-data report to meet current user needs and data preferences.

The record published for each continuous-record surface-water discharge station (gaging station) consists of four parts: the manuscript or station description; the data table of daily mean values of discharge for the current water year with summary data; a tabular statistical summary of monthly mean flow data for a designated period, by water year; and a summary statistics table that includes statistical data of annual, daily, and instantaneous flows as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration.

Station manuscript

The manuscript provides, under various headings, descriptive information, such as station location; period of record; historical extremes outside the period of record, record accuracy, and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station description.

LOCATION.--Information on locations is obtained from the most accurate maps available. The location of the gaging station with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given.

DRAINAGE AREA.--Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps and methods of determining drainage area become available.

PERIOD OF RECORD.--This indicates the period for which records have been published for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not and whose location was such that flow at it reasonably can be considered equivalent to flow at the present station.

REVISED RECORDS.--Because of new information, published records occasionally are found to be incorrect, and revisions are printed in later reports. Listed under this heading are all the reports in which revisions have been published for the station and the water years to which the revisions apply. If a revision did not include daily, monthly, or annual figures of discharge, that fact is noted after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

GAGE.--The type of gage in current use, the datum of the current gage referred to National Geodetic Vertical Datum of 1929 (see glossary), and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.--All periods of estimated daily discharge will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily discharge table. (See next section, "Identifying Estimated Daily Discharge.") If a REMARKS paragraph is used to identify estimated record, the paragraph will begin with this information presented as the first entry. The paragraph also is used to present information relative to the accuracy of the records, to special methods of computation, and to conditions that affect natural flow at the station. In addition, information may be presented pertaining to average discharge data for the period of record; to extremes data for the period of record and the current year; and to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir.

COOPERATION.--Records provided by a cooperating organization or obtained for the U.S. Geological Survey by a cooperating organization are identified here.

EXTREMES OUTSIDE PERIOD OF RECORD.--Included here is information concerning major floods or unusually low flows that occurred outside the stated period of record. The information may or may not have been obtained by the U.S. Geological Survey.

REVISIONS.--If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because, for these stations, there would be no current or, possibly, future station manuscript published to document the revision in a "Revised Records" entry, users of data for these stations who obtained the record from previously published data reports may wish to contact the District Office (address given on the back of the title page of this report) to determine if the published records were revised after the station was discontinued. Of course, if the data for a discontinued station were obtained by computer retrieval, the data would be current and there would be no need to check because any published revision of data is accompanied by revision of the corresponding data in computer storage.

Manuscript information for lake or reservoir stations differs from that for stream stations in the nature of the "Remarks" and in the inclusion of a skeleton stage-capacity table when daily contents are given.

Data table of daily mean values

The daily table of discharge records for streamgaging stations gives mean discharge for each day of the water year. In the monthly summary for the table, the line headed "TOTAL" gives the sum of the daily figures for each month; the line headed "MEAN" gives the average flow in cubic feet per second for the month; and the lines headed "MAX" and "MIN" give the maximum and minimum daily mean discharges, respectively, for each month. Discharge for the month usually is expressed in acre-feet (line headed "AC-FT"). At some stations monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversion data or reservoir contents are given. These figures are identified by a symbol and corresponding footnote.

Statistics of monthly mean data

A tabular summary of the mean (line headed "MEAN"), maximum (line headed "MAX"), and minimum (line headed "MIN") of monthly mean flows for each month for a designated period is provided below the mean values table. The water years of the first occurrence of the maximum and minimum monthly flows are provided immediately below those figures. The designated period will be expressed as "FOR WATER YEARS _____-_____, BY WATER YEAR (WY)," and will list the first and last water years of the range of years selected from the PERIOD OF RECORD paragraph in the station manuscript. It will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript.

Summary statistics

A table titled "SUMMARY STATISTICS" follows the statistics of monthly mean data tabulation. This table consists of four columns, with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily, and instantaneous flows, not only for the current water year but also for the previous calendar year and for a designated period, as appropriate. The designated period selected, "WATER YEARS _____-_____," will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript. All statistics, except HIGHEST and LOWEST DAILY MEANS and INSTANTANEOUS PEAK FLOW and STAGE, are computed based on the period(s) using complete water years. The other statistical characteristics may be calculated using partial water years.

The date or water year, as appropriate, of the first occurrence of each statistic reporting extreme values of discharge is provided adjacent to the statistic. Repeated occurrences may be noted in the REMARKS paragraph of the manuscript or in footnotes. Because the designated period may not be the same as the station period of record published in the manuscript, occasionally the dates of occurrence listed for the daily and instantaneous extremes in the designated-period column may not be within the selected water years listed in the heading. When this occurs, it will be noted in the footnotes. Selected streamflow duration curve statistics and runoff data also are given. Runoff data may be omitted if there is extensive regulation or diversion of flow in the drainage basin.

The following summary statistics data, as appropriate, are provided with each continuous record of discharge. Comments to follow clarify information presented under the various line headings of the summary statistics table. Other statistics, such as instantaneous low flow, annual runoff in cubic feet per square mile or in inches, may be available on request.

ANNUAL TOTAL.--The sum of the daily mean values of discharge for the year. At some stations the annual total discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

ANNUAL MEAN.--The arithmetic mean of the individual daily mean discharges for the year noted or for the designated period. At some stations the yearly mean discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

HIGHEST ANNUAL MEAN.--The maximum annual mean discharge occurring for the designated period.

LOWEST ANNUAL MEAN.--The minimum annual mean discharge occurring for the designated period.

HIGHEST DAILY MEAN.--The maximum daily mean discharge for the year or for the designated period.

LOWEST DAILY MEAN.--The minimum daily mean discharge for the year or for the designated period.

ANNUAL 7-DAY MINIMUM.--The lowest mean discharge for seven consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

INSTANTANEOUS PEAK FLOW.--The maximum instantaneous discharge occurring for the water year or for the designated period. Note that secondary instantaneous peak discharges above a selected base discharge are stored in District computer files for stations meeting certain criteria. Those discharge values may be obtained by writing to the District Office. (See address on back of title page of this report.)

INSTANTANEOUS PEAK STAGE.--The maximum instantaneous stage occurring for the water year or for the designated period. If the dates of occurrence for the instantaneous peak flow and instantaneous peak stage differ, the REMARKS paragraph in the manuscript or a footnote may be used to provide further information.

ANNUAL RUNOFF.--The total quantity of water in runoff for a drainage area for the year. Data reports may use any of the following units of measurement in presenting annual runoff data:

Acre-foot (AC-FT) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equal to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile area drained, assuming the runoff is distributed uniformly in time and area.

Inches (INCHES) indicates the depth to which the drainage area would be covered if all of the runoff for a given time period were uniformly distributed on it.

10 PERCENT EXCEEDS.--The discharge that has been exceeded 10 percent of the time for the designated period.

50 PERCENT EXCEEDS.--The discharge that has been exceeded 50 percent of the time for the designated period.

90 PERCENT EXCEEDS.--The discharge that has been exceeded 90 percent of the time for the designated period.

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified either by flagging individual daily values with the letter symbol "e" and printing a table footnote (e Estimated).

Accuracy of the Records

The accuracy of streamflow records depends primarily on: (1) The stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements; and (2) the accuracy of measurements of stage, measurements of discharge, and interpretation of records.

The accuracy attributed to the records is indicated under "REMARKS." "Excellent" means that about 95 percent of the daily discharges are within 5 percent of their true values; "good," within 10 percent; and "fair," within 15 percent. Records that do not meet the criteria mentioned are rated "poor." Different accuracies may be attributed to different parts of a given record.

Daily mean discharges in this report are given to the nearest hundredth of a cubic foot per second for values less than 1 ft^3/s; to the nearest tenth between 1.0 and 10 ft^3/s; to whole numbers between 10 and 1,000 ft^3/s; and to 3 significant figures for more than 1,000 ft^3/s. The number of significant figures used is based solely on the magnitude of the discharge value. No rounding rules apply to discharges listed for miscellaneous sites. Discharges listed are those actually computed.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff because of the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation from artificial causes, or to other factors. For such stations, figures for cubic feet per second per square mile and for runoff, in inches, are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other Records Available

Records of daily diversions of water from streams by canals are collected by and published in Hydrographers Annual Reports of the Wyoming Board of Control. Included are discharge records for streams and storage records for reservoirs not published in reports of the Geological Survey.

Information used in the preparation of the records in this publication, such as discharge-measurement notes, gage-height records, temperature measurements, and rating tables is on file in the Wyoming District office. Also, most of the daily mean discharges are in computer-readable form and have been analyzed statistically. Information on the availability of the unpublished information or on the results of statistical analyses of the published records may be obtained at the address given on the back of the title page of this report.

Records of Surface-Water Quality

Records of surface-water quality in this report represent a variety of data types and measurement or sampling and analysis frequencies. Whenever possible, records of surface-water quality are obtained at or near streamgaging stations because interpretation of surface-water quality and seasonal variation is enhanced by knowledge of corresponding discharge data. Locations of stations for which records on the quality of surface water appear in this report are shown in figure 1.

Classification of Records

Water-quality data for surface-water sites are grouped into one of three classifications. A continuing-record station is a site where data are collected on a regularly scheduled basis. Frequency may be once or more times daily, weekly, monthly, or quarterly. A partial-record station is a site where water-quality data are collected systematically over a period of years, but frequency of sampling usually is less than quarterly. A miscellaneous sampling site is a location where samples are collected one time or intermittently to provide better areal coverage for defining water-quality conditions over a broad area in a river basin.

A distinction needs to be made between "continuing records", as used in reference to data for continuing-record stations, and "continuous record," which refers to a continuous graph over time or a series of recorded discrete short-time-interval values. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, most water-quality data are obtained on a monthly or less frequent basis.

Onsite Measurements and Sample Collection

When obtaining water-quality data, a major concern is assuring that onsite water-quality measurements and the samples collected for laboratory analysis are representative of the actual quality of the water. Measurements such as water temperature, pH, and dissolved oxygen are made onsite when the samples are collected because of the potential for significant change with time. To assure that measurements made in the laboratory also represent the actual environmental concentrations of constituents, prescribed procedures need to be followed in collection and processing of samples. Procedures for onsite measurements and for collecting, treating, and shipping samples are given in publications on "Techniques of Water-Resources Investigations," (TWRI) Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4. All of these references are listed under "PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS" which appears at the end of the introductory text. Also, detailed information on collecting, treating, and shipping samples may be obtained from other references and from the Wyoming District office.

One sample can adequately define the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load. All samples obtained for the National Stream Quality Accounting Network (see definitions) are obtained from at least several verticals. Whether samples are obtained from the centroid of flow or from several verticals, depends on flow conditions and other factors which must be evaluated by the sampler.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. If an apparent inconsistency exists between a reported pH value and a relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

For water-quality stations equipped with electronic monitors and digital recorders, the record consists of a daily maximum, minimum, and mean values for each constituent measured and are based upon hourly recordings beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records of the individual hourly values (unit values) may be obtained from the Wyoming District office.

Water Temperature

Water temperatures are measured at water-quality stations at the time of sampling. In addition, water temperatures are taken at the time of discharge measurements at streamgaging stations. For stations where water temperatures are measured manually once daily, the water temperatures are taken at about the same time each day for consistency in the record. Deep streams commonly have a small diurnal temperature change, whereas shallow streams may have a daily range of several degrees, which closely follows the changes in air temperature. The water temperature in some streams may be affected by industrial discharges of warm water.

For stations where recording instruments are used, the record consisting of either daily mean temperatures or maximum and minimum temperatures for each day are published. Water temperatures measured at the time of water-discharge measurements and those taken manually once-daily are on file in the Wyoming District office.

Sediment

Suspended-sediment concentrations are determined from samples collected using depth-integrating samplers. Samples usually are obtained from several verticals in the cross section. At daily sediment stations, daily samples may be obtained from a single vertical and a coefficient applied to determine the mean concentration in the cross section. Daily mean suspended-sediment concentrations are computed using sample concentrations and the continuous streamflow record according the methods described in TWRI Book 3, Chap. C3. Daily suspended-sediment discharge then is computed as the product of stream discharge times the daily mean concentration times a unit conversion factor of 0.0027.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration are computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided-day method. For periods when no samples were collected, daily discharges of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between suspended-sediment concentration and streamflow and in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of suspended-sediment discharge, records of particle-size distribution of the suspended sediment and bed material for periodic samples are included for some stations.

Laboratory Analyses

Samples for indicator bacteria are analyzed locally. Samples for suspended-sediment are analyzed at the U.S. Geological Survey laboratory in Helena, Montana. Samples for all other constituents are analyzed at the Geological Survey National Water-Quality Laboratory in Lakewood, Colorado except for the pesticide 1-3 dichloropropene, analyzed as part of the Pesticide and Nutrient Sampling program, which is analyzed by Quanterra Laboratory in Arvada, Colorado. Methods used in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chap. C1 and C3. Methods used by the National Water-Quality Laboratory are given in TWRI, Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4.

Presentation of Water-Quality Records

Water-quality records collected at a streamgaging station are published immediately following the daily discharge record. Station number and name are the same for both records. Where a daily discharge record is not available or where the location of the water quality station differs significantly from that of the nearby streamgaging station, the water-quality record is published with its own station number and name in the standard downstream-order sequence.

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperating agencies, and extremes for parameters measured on a daily basis. Tables of chemical, physical, biological, and radiochemical data obtained at a frequency less than daily are presented first. Tables of "daily values" of specific conductance, water temperature, and suspended sediment then follow in sequence.

In the descriptive headings, if the location is identical to that of the streamgaging station, neither the LOCATION nor the DRAINAGE AREA statements are repeated. The following information, as appropriate, is provided with each continuing record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.--See Data Presentation under "Records of Stage and Water Discharge"; same comments apply.

DRAINAGE AREA.--See Data Presentation under "Records of Stage and Water Discharge"; same comments apply.

PERIOD OF RECORD.--This indicates the periods for which there are published water-quality records for the station. The periods are shown separately for records of parameters measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the parameters individually.

INSTRUMENTATION.--Information on instrumentation is given only if a water-quality monitor, temperature monitor, pumping sampler, or other sampling device is in operation at a station.

REMARKS.--Remarks provide added information pertinent to the collection, analysis, or computation of the records.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES.--Maximums and minimums are given only for parameters measured daily or more frequently. None are given for parameters measured weekly or less frequently, because the true maximums or minimums may not have been sampled. Extremes, when given, are provided for both the period of record and for the current water year.

REVISIONS.--If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to insure the most recent updates.

Precision varies for different analytical methods used to determine the same constituent. The presence of trailing zeroes after the decimal in values printed in this report does not necessarily indicate that the method used for the determination is as precise as the level implied by the rightmost zero.

Remark Codes

The following remark codes may appear with the water-quality data in this report:

PRINTED OUTPUT	REMARK
E	Estimated value
M	Presence of material verified, but not quantified
>	Actual value is known to be greater than the value shown
<	Actual value is known to be less than the value shown
K	Results based on colony count outside the acceptable range (non- ideal colony count)

Quality-Control Samples

Data generated from quality-control (QC) samples are used to evaluate the quality of the sampling and processing techniques, as well as data from the actual samples themselves. Interpretations of environmental sample data is aided when errors associated with sample measurements are known. The various types of QC samples collected by this district are described in the following section. Procedures have been established for the storage of QC data within the USGS. These procedures allow for identification of various types of QC data so that they can be related to corresponding environmental samples. Information on QC samples is on file in the Wyoming district office.

Blank Samples

Blank samples are collected and analyzed to ensure that environmental samples have not been contaminated by the overall data-collection process. The blank solution used to develop specific types of blank samples is free of the constituents of interest. Any detectable concentration of a constituent in the blank solution is believed to be due to contamination introduced at some point during sample collecting, processing, or analysis. There are many types of blank samples, each designed to test a different part of the overall data-collection process. The types of blank samples collected in this district are:

Field blank - a blank solution that is subjected to all aspects of sample collection, field processing, preservation, transportation, and laboratory handling as an environmental sample.

Equipment blank - a blank solution that is processed through all equipment used for collecting and processing an environmental sample (similar to a field blank but normally done in the more controlled conditions of the office using recently cleaned equipment).

Sampler blank - a blank solution that is poured or pumped through the same field sampler used for collecting an environmental sample.

Filter blank - a blank solution that is filtered in the same manner and through the same filter apparatus used for an environmental sample.

Splitter blank - a blank solution that is mixed and separated through a field splitter in the same manner and through the same apparatus used for splitting an environmental sample.

Preservation blank - a blank solution that is treated with the same preservatives used for an environmental sample.

Replicate Samples

Replicate samples are two or more sets of environmental samples collected in the same manner such that the samples are considered to be essentially identical in composition. Replicate samples are collected and analyzed to establish the amount of variability in the data, which can be contributed by either the collection or the analytical process or both. There are many types of replicate samples possible, each of which may yield slightly different results in a dynamic hydrologic setting, such as a flowing stream. The types of replicate samples collected in this district are:

Sequential sample - a type of replicate sample in which the samples are collected one after the other, typically over a short time (pumped samples).

Split sample - a type of replicate sample in which a single composite sample is split into subsamples.

Concurrent sample - two sets of samples, collected independently, but at the same time and place.

ACCESS TO WATER DATA

The U.S. Geological Survey provides near real-time stage and discharge data for many of the gaging stations equipped with the necessary telemetry and historic daily-mean and peak-flow discharge data for most current or discontinued gaging stations through the world wide web (WWW). These data may be accessed at

http:/water.usgs.gov

Some water-quality and ground-water data are also available through the WWW. In addition, data can be provided in various machine-readable formats. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources Division District offices (See address on the back of the title page.)

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also table for converting English units to International System (SI) Units on the inside of the back cover.

Acid neutralizing capacity (ANC) is the equivalent sum of all bases or base-producing materials, solutes plus particulates, in an aqueous system that can be titrated with acid to an equivalence point. This term designates titration of an “unfiltered” sample (formerly reported as alkalinity).

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters.

Alkalinity is the capacity of solutes in an aqueous system to neutralize acid. This term designates titration of a “filtered” sample.

Annual runoff is the total quantity of water in runoff for a drainage area for the year. Data reports may use any of the following units of measurement in presenting annual runoff data:

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equal to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters

Cubic foot per second per square mile [CFSM, $(ft^3/s)/mi^2$] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming the runoff is distributed uniformly in time and area.

Inch (IN., in.) as used in this report, refers to the depth to which the drainage area would be covered with water if all of the runoff for a given time period were uniformly distributed on it.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, while others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Fecal coliform bacteria are bacteria that are present in the intestine or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory, they are defined as all organisms that produce blue colonies within 24 hours when incubated at 44.5 °C plus or minus 0.2 °C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Escherichia coli (E. coli) are bacteria present in the intestine and feces of warm-blooded animals. *E. coli* are a member species of the fecal coliform group of indicator bacteria. In the laboratory, they are defined as those bacteria that produce yellow or yellow-brown colonies on a filter pad saturated with urea substrate broth after primary culturing for 22 to 24 hours at 44.5 ˚C on mTEC medium. Their concentrations are expressed as number of colonies per 100 mL of sample.

Base flow is flow in a channel sustained by ground-water discharge in the absence of direct runoff.

Bed material is the sediment mixture of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Bottom material: See "Bed material."

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common green pigments in plants.

Colloid is any substance with particles in such a fine state of subdivision dispersed in a medium (for example, water) that they do not settle out; but not in so fine a state of subdivision that they can be said to be truly dissolved.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Continuous-record station is a site that meets either of the following conditions:

1. Stage or streamflow are recorded at some interval on a continuous basis. The recording interval is usually 15 minutes, but may be less or more frequent.
2. Water-quality, sediment, or other hydrologic measurements are recorded at least daily.

Control designates a feature in the channel downstream from a gaging station that physically influences the water-surface elevation and thereby determines the stage-discharge relation at the station. This feature may be a constriction of the channel, a bedrock outcrop, a gravel bar, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of saltwater.

Cubic foot per second (CFS, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point in 1 second. It is equivalent to approximately 7.48 gallons per second, 448.8 gallons per minute, or 0.02832 cubic meters per second.

Cubic foot per second-day (CFS-DAY, Cfs-day, [(ft^3/s)/d]) is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.9835 acre-feet, 646,317 gallons, or 2,447 cubic meters.

Daily record is a summary of streamflow, sediment, or water-quality values computed from data collected with sufficient frequency to obtain reliable estimates of daily mean values.

Daily record station is a site for which daily records of streamflow, sediment, or water-quality values are computed.

Datum, as used in this report, is an elevation above mean sea level to which all gage height readings are referenced.

Discharge, or flow, is the volume of water (or more broadly, volume of fluid including solid- and dissolved-phase material), that passes a given point in a given period of time.

Annual 7-day minimum is the lowest mean discharge for 7 consecutive days in a year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

Instantaneous discharge is the discharge at a particular instant of time.

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

Dissolved refers to that material in a representative water sample that passes through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Dissolved oxygen (DO) content of water in equilibrium with air is a function of atmospheric pressure, temperature, and dissolved-solids concentration of the water. The ability of water to retain oxygen decreases with increasing temperature or dissolved solids, with small temperature changes having the more significant offset. Photosynthesis and respiration may cause diurnal variations in dissolved-oxygen concentration in water from some streams.

Dissolved-solids concentration of water is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During that analytical determination of dissolved solids, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. Therefore, in the mathematical calculation of dissolved-solids concentration, the bicarbonate value, in milligrams per liter, is multiplied by 0.4926 to reflect the change. Alternatively, alkalinity concentration (as mg/L $CaCO_3$) can be converted to carbonate concentration by multiplying by 0.60.

Drainage area of a site on a stream is that area, measured in a horizontal plane, that has a common outlet at the site for its surface runoff. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise specified.

Drainage basin is a part of the Earth's surface that is occupied by a drainage system with a common outlet for its surface runoff (see "Drainage area").

Flow-duration percentiles are values on a scale of 100 that indicate the percentage of time for which a flow is not exceeded. For example, the 90th percentile of river flow is greater than or equal to 90 percent of all recorded flow rates.

Gage datum is the elevation of the zero point of the reference gage from which gage height is determined as compared to sea level (see "Datum"). This elevation is established by a system of levels from known benchmarks, by approximation from topographic maps, or by geographical positioning system.

Gage height (G.H.) is the water-surface elevation referenced to the gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a site on a stream, canal, lake, or reservoir where systematic observations of stage, discharge, or other hydrologic data are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as the equivalent concentration of calcium carbonate ($CaCO_3$).

Hydrologic benchmark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a benchmark station may be used to separate effects of natural from human-induced changes in other basins that have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped benchmark basin.

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as defined by the former Office of Water Data Coordination and delineated on the State Hydrologic Unit Maps by the U.S. Geological Survey. Each hydrologic unit is identified by an 8-digit number.

Lipid is any one of a family of compounds that are insoluble in water and that make up one of the principal components of living cells. Lipids include fats, oils, waxes, and steroids. Many environmental contaminants such as organochlorine pesticides are lipophilic.

Membrane filter is a thin microporous material of specific pore size used to filter bacteria, algae, and other very small particles from water.

Micrograms per gram (UG/G, µg/g) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the element per unit mass (gram) of material analyzed.

Micrograms per kilogram (UG/KG, µg/kg) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the constituent per unit mass (kilogram) of the material analyzed. One microgram per kilogram is equivalent to 1 part per billion.

Micrograms per liter (UG/L, µg/L) is a unit expressing the concentration of chemical constituents in water as mass (micrograms) of constituent per unit volume (liter) of water. One thousand micrograms per liter is equivalent to 1 milligram per liter.

Microsiemens per centimeter (US/CM, µS/cm) is a unit expressing the amount of electrical conductivity of a solution as measured between opposite faces of a centimeter cube of solution at a specified temperature. Siemens is the International System of Units nomenclature. It is synonymous with mhos and is the reciprocal of resistance in ohms.

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in water as the mass (milligrams) of constituent per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L and is based on the mass of dry sediment per liter of water-sediment mixture.

Miscellaneous site, or miscellaneous station, is a site where streamflow, sediment, and/or water-quality data are collected once, or more often on a random or discontinuous basis.

National Geodetic Vertical Datum of 1929 (NGVD of 1929) is a geodetic datum derived from a general adjustment of the first order level nets of the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place. *See NOAA web site: http://www.ngs.noaa.gov/faq.shtml#WhatVD29VD88*

Nephelometric turbidity unit (NTU) is the measurement for reporting turbidity that is based on use of a standard suspension of Formazin. Turbidity measured in NTU uses nephelometric methods that depend on passing specific light of a specific wavelength through the sample.

Organic carbon (OC) is a measure of organic matter present in aqueous solution, suspension, or bottom sediments. May be reported as dissolved organic carbon (DOC), suspended organic carbon (SOC), or total organic carbon (TOC).

Organism is any living entity.

Organochlorine compounds are any chemicals that contain carbon and chlorine. Organochlorine compounds that are important in investigations of water, sediment, and biological quality include certain pesticides and industrial compounds.

Parameter Code is a 5-digit number used in the U.S. Geological Survey computerized data system, National Water Information System (NWIS), to uniquely identify a specific constituent or property.

Partial-record station is a site where discrete measurements of one or more hydrologic parameters are obtained over a period of time without continuous data being recorded or computed. A common example is a crest-stage gage partial-record station at which only peak stages and flows are recorded.

Particle size is the diameter, in millimeters (mm), of a particle determined by sieve or sedimentation methods. The sedimentation method utilizes the principle of Stokes Law to calculate sediment particle sizes. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube, Sedigraph) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with the recommendation made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay	0.00024 - 0.004	Sedimentation
Silt	0.004 - 0.062	Sedimentation
Sand	0.062 - 2.0	Sedimentation/sieve
Gravel	2.0 - 64.0	Sieve

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic matter is removed, and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native water analysis.

Percent composition or **percent of total** is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, weight, or volume.

Periodic station is a site where stage, discharge, sediment, chemical, or other hydrologic measurements are made one or more times during a year, but at a frequency insufficient to develop a daily record.

Pesticides are chemical compounds used to control undesirable organisms. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides.

pH of water is the negative logarithm of the hydrogen-ion activity. Solutions with pH less than 7 are termed "acidic," and solutions with a pH greater than 7 are termed "basic." Solutions with a pH of 7 are neutral. The presence and concentration of many dissolved chemical constituents found in water are, in part, influenced by the hydrogen-ion activity of water. Biological processes including growth, distribution of organisms, and toxicity of the water to organisms are also influenced, in part, by the hydrogen-ion activity of water.

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picocurie yields 2.22 dpm (disintegrations per minute).

Radioisotopes are isotopic forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus; for example, ordinary chlorine is a mixture of isotopes having atomic weights of 35 and 37, and the natural mixture has an atomic weight of about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron. There are 275 isotopes of the 81 stable elements, in addition to more than 800 radioactive isotopes.

Recoverable from bottom material is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Recurrence interval, also referred to as return period, is the average time, usually expressed in years, between occurrences of hydrologic events of a specified type (such as exceedances of a specified high flow or non-exceedance of a specified low flow). The terms "return period" and "recurrence interval" do not imply regular cyclic occurrence. The actual times between occurrences vary randomly, with most of the times being less than the average and a few being substantially greater than the average. For example, the 100-year flood is the flow rate that is exceeded by the annual maximum peak flow at intervals whose average length is 100 years (that is, once in 100 years, on average); almost two-thirds of all exceedances of the 100-year flood occur less than 100 years after the previous exceedance, half occur less than 70 years after the previous exceedance, and about one-eighth occur more than 200 years after the previous exceedance. Similarly, the 7-day 10-year low flow ($7Q_{10}$) is the flow rate below which the annual minimum 7-day-mean flow dips at intervals whose average length is 10 years (that is, once in 10 years, on average); almost two-thirds of the non-exceedances of the $7Q_{10}$ occur less than 10 years after the previous non-exceedance, half occur less than 7 years after, and about one-eighth occur more than 20 years after the previous non-exceedance. The recurrence interval for annual events is the reciprocal of the annual probability of occurrence. Thus, the 100-year flood has a 1-percent chance of being exceeded by the maximum peak flow in any year, and there is a 10-percent chance in any year that the annual minimum 7-day-mean flow will be less than the $7Q_{10}$.

Replicate samples are a group of samples collected in a manner such that the samples are thought to be essentially identical in composition.

River mile is the distance of a point on a river measured in miles from the river's mouth along the low-water channel.

River mileage is the linear distance along the meandering path of a stream channel determined in accordance with Bulletin No. 14 (October 1968) of the Water Resources Council.

Runoff in inches (IN., in.) is the depth, in inches, to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sea level refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment of the first-order level nets of the United States and Canada, formerly called Sea Level Datum of 1929. *See*: *http://www.co-ops.nos.noaa.gov/ glossary/gloss_n.html#NGVD*

Sediment is solid material that is transported by, suspended in, or deposited from water. It originates mostly from disintegrated rocks; it also includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Bed load is the sediment that is transported in a stream by rolling, sliding, or skipping along or very close to the bed. In this report, bed load is considered to consist of particles in transit from the bed to an elevation equal to the top of the bed-load sampler nozzle (usually within 0.25 ft of the streambed).

Bed-load discharge (tons per day) is the quantity of sediment moving as bed load, reported as dry weight, that passes a cross section in a given time.

Suspended sediment is the sediment that is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L). The entire sample is used for the analysis.

Mean concentration of suspended sediment is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Suspended-sediment discharge (tons/day) is the quantity of sediment moving in suspension, reported as dry weight, that passes a cross section in a given time. It is calculated in units of tons per day as follows: concentration (mg/L) x discharge (ft^3/s) x 0.0027.

Suspended-sediment load is a term that refers to material in suspension. The term needs to be qualified, such as “annual suspended-sediment load” or “sand-size suspended-sediment load,” and so on. It is not synonymous with either suspended-sediment discharge or concentration.

Total sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, reported as dry weight, that passes a cross section in a given time.

Total sediment load or total load is a term that refers to the total sediment (bed load plus suspended-sediment load) that is in transport. The term needs to be qualified, such as “annual suspended-sediment load” or “sand-size suspended-sediment load,” and so on. It is not synonymous with total sediment discharge.

Seven-day 10-year low flow (7Q10, $7Q_{10}$) is the minimum flow averaged over 7 consecutive days that is expected to occur on average, once in any 10-year period. The 7Q10 has a 10-percent chance of occurring in any given year.

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions within soil and is an index of sodium or alkali hazard to the soil. Waters range in respect to sodium hazard from those which can be used for irrigation on almost all soils to those which are generally unsatisfactory for irrigation.

Solute is any substance that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in microsiemens per centimeter at 25 °C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is from 55 to 75 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stable isotope ratio (per MILL/MIL) is a unit expressing the ratio of the abundance of two radioactive isotopes. Isotope ratios are used in hydrologic studies to determine the age or source of specific waters, to evaluate mixing of different waters, as an aid in determining reaction rates, and other chemical or hydrologic processes.

Stage: See "Gage height."

Stage-discharge relation is the relation between the water-surface elevation, termed stage (gage height), and the volume of water flowing in a channel per unit time.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Surface area of a lake or impoundment is that area encompassed by the boundary of the lake or impoundment as shown on USGS topographic maps, or on other available maps or photographs. The computed surface areas reflect the water levels of the lakes or impoundments at the times when the information for the maps or photographs was obtained.

Surficial bed material is the top 0.1 to 0.2 ft of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of undissolved material in a water-sediment mixture. It is associated with the material retained on a 0.45-micrometer filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative suspended-sediment sample that is retained on a 0.45-micrometer membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Determinations of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative suspended-sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. Knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total."

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Synoptic Studies are short-term investigations of specific water-quality conditions during selected seasonal or hydrologic periods to provide improved spatial resolution for critical water-quality conditions. For the period and conditions sampled, they assess the spatial distribution of selected water-quality conditions in relation to causative factors, such as land use and contaminant sources.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchal scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, *Hexagenia limbata*, is the following:

Kingdom	Animal
Phylum	Arthropoda
Class	Insecta
Order	Ephemeroptera
Family	Ephemeridae
Genus	*Hexagenia*
Species	*Hexagenia limbata*

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

Tons per acre-foot is the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration of the constituent, in milligrams per liter, by 0.00136.

Tons per day (T/DAY, tons/d) is the rate representing a mass of 1 ton of a constituent in streamflow passing a cross section in 1 day. It is equivalent to 2,000 pounds per day, or 0.9072 metric tons per day.

Total is the total amount of a given constituent in a representative suspended-sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample consists of a suspended-sediment mixture and that the analytical method determined all of the constituent in the sample.)

Total discharge is the quantity of a given constituent, measured as dry mass or volume, that passes a stream cross section per unit of time. When referring to constituents other than water, this term needs to be qualified, such as "total sediment discharge," "total chloride discharge," and so on.

Total in bottom material is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material."

Total load refers to all of a constituent in transport. When referring to sediment, it includes suspended load plus bed load.

Total recoverable is the amount of a given constituent that is in solution after a representative suspended-sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Turbidity is a measurement of the collective optical properties of a water sample that cause light to be scattered and absorbed rather than transmitted in straight lines; the higher the intensity of scattered light, the higher the turbidity. Turbidity is expressed in nephelometric turbidity units (NTU) or Formazin turbidity units (FTU) depending on the method and equipment used.

Volatile organic compounds (VOC's) are organic compounds that can be isolated from the water phase of a sample by purging the water sample with inert gas, such as helium, and subsequently analyzed by gas chromatography. Many VOC's are man-made chemicals that are used and produced in the manufacture of paints, adhesives, petroleum products, pharmaceuticals, and refrigerants. They are often components of fuels, solvents, hydraulic fluids, paint thinners, and dry cleaning agents commonly used in urban settings. VOC contamination of drinking-water supplies is a human health concern because many are toxic and are known or suspected human carcinogens (U.S. Environmental Protection Agency, 1996).

Water level is the water-surface elevation or stage of the free surface of a body of water above or below any datum (see "Gage height"), or the surface of water standing in a well, usually indicative of the position of the water table or other potentiometric surface.

Water year in U.S. Geological Survey reports dealing with surface-water supply is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 2000, is called the "2000 water year."

WDR is used as an abbreviation for "Water-Data Report" in the REVISED RECORDS paragraph to refer to State annual hydrologic-data reports. (WRD was used as an abbreviation for "Water-Resources Data" in reports published prior to 1976.)

WSP is used as an abbreviation for "Water-Supply Paper" in reference to previously published reports.

TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS OF THE U.S. GEOLOGICAL SURVEY

The U.S.G.S. publishes a series of manuals describing procedures for planning and conducting specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, section A of book 3 (Applications of Hydraulics) pertains to surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises.

The reports listed below are for sale by the U.S.G.S., Information Services, Box 25286, Federal Center, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be made in the form of a check or money order payable to the "U.S. Geological Survey." Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and mention the "U.S. Geological Survey Techniques of Water-Resources Investigations."

Book 1. Collection of Water Data by Direct Measurement

Section D. Water Quality

1-D1. *Water temperature—influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J.F. Ficke, and G. F. Smoot: USGS–TWRI book 1, chap. D1. 1975. 65 pages.

1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W.W. Wood: USGS–TWRI book 1, chap. D2. 1976. 24 pages.

Book 3. Applications of Hydraulics

Section A. Surface-Water Techniques

3-A1. *General field and office procedures for indirect discharge measurements*, by M.A. Benson and Tate Dalrymple: USGS–TWRI book 3, chap. A1. 1967. 30 pages.

3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M.A. Benson: USGS–TWRI book 3, chap. A2. 1967. 12 pages.

3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G.L. Bodhaine: USGS–TWRI book 3, chap. A3. 1968. 60 pages.

3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H.F. Matthai: USGS-TWRI book 3, chap. A4. 1967. 44 pages.

3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS–TWRI book 3. chap. A5. 1967. 29 pages.

3-A6. *General procedure for gaging streams*, by R.W. Carter and Jacob Davidian: USGS–TWRI book 3, chap. A6. 1968. 13 pages.

3-A7. *Stage measurement at gaging stations*, by T.J. Buchanan and W.P. Somers: USGS–TWRI book 3, chap. A7. 1968. 28 pages.

3-A8. *Discharge measurements at gaging stations*, by T.J. Buchanan and W.P. Somers: USGS–TWRI book 3, chap. A8. 1969. 65 pages.

3-A9. *Measurement of time of travel in streams by dye tracing*, by F.A. Kilpatrick and J.F. Wilson, Jr.: USGS–TWRI book 3, chap. A9. 1989. 27 pages.

3-Al0. *Discharge ratings at gaging stations*, by E.J. Kennedy: USGS–TWRI book 3, chap. A10. 1984. 59 pages.

3-A11. *Measurement of discharge by the moving-boat method*, by G.F. Smoot and C.E. Novak: USGS–TWRI book 3, chap. A11. 1969. 22 pages.

3-A12. *Fluorometric procedures for dye tracing*, Revised, by J.F. Wilson, Jr., E.D. Cobb, and F.A. Kilpatrick: USGS–TWRI book 3, chap. A12. 1986. 34 pages.

3-A13. *Computation of continuous records of streamflow*, by E.J. Kennedy: USGS–TWRI book 3, chap. A13. 1983. 53 pages.

3-A14. *Use of flumes in measuring discharge,* by F.A. Kilpatrick and V.R. Schneider: USGS–TWRI book 3, chap. A14. 1983. 46 pages.

3-A15. *Computation of water-surface profiles in open channels,* by Jacob Davidian: USGS–TWRI book 3, chap. A15. 1984. 48 pages.

3-A16. *Measurement of discharge using tracers,* by F.A. Kilpatrick and E.D. Cobb: USGS–TWRI book 3, chap. A16. 1985. 52 pages.

3-A17. *Acoustic velocity meter systems,* by Antonius Laenen: USGS–TWRI book 3, chap. A17. 1985. 38 pages.

3-A18. *Determination of stream reaeration coefficients by use of tracers,* by F.A. Kilpatrick, R.E. Rathbun, Nobuhiro Yotsukura, G.W. Parker, and L.L. DeLong: USGS–TWRI book 3, chap. A18. 1989. 52 pages.

3-A19. *Levels at streamflow gaging stations,* by E.J. Kennedy: USGS–TWRI book 3, chap. A19. 1990. 31 pages.

3-A20. *Simulation of soluable waste transport and buildup in surface waters using tracers,* by F.A. Kilpatrick: USGS–TWRI book 3, chap. A20. 1993. 38 pages.

3-A21 *Stream-gaging cableways,* by C. Russell Wagner: USGS–TWRI book 3, chap. A21. 1995. 56 pages.

Section C. Sedimentation and Erosion Techniques

3-C1. *Fluvial sediment concepts,* by H.P. Guy: USGS–TWRI book 3, chap. C1. 1970. 55 pages.

3-C2. *Field methods for measurement of fluvial sediment,* by T.K. Edwards and G.D. Glysson: USGS–TWRI book 3, chap. C2. 1999. 89 pages.

3-C3. *Computation of fluvial-sediment discharge,* by George Porterfield: USGS–TWRI book 3, chap. C3. 1972. 66 pages.

Book 4. Hydrologic Analysis and Interpretation

Section A. Statistical Analysis

4-A1. *Some statistical tools in hydrology,* by H.C. Riggs: USGS–TWRI book 4, chap. A1. 1968. 39 pages.

4-A2. *Frequency curves,* by H.C. Riggs: USGS–TWRI book 4, chap. A2. 1968. 15 pages.

Section B. Surface Water

4-B1. *Low-flow investigations,* by H.C. Riggs: USGS–TWRI book 4, chap. B1. 1972. 18 pages.

4-B2. *Storage analyses for water supply,* by H.C. Riggs and C.H. Hardison: USGS–TWRI book 4, chap. B2. 1973. 20 pages.

4-B3. *Regional analyses of streamflow characteristics,* by H.C. Riggs: USGS–TWRI book 4, chap. B3. 1973. 15 pages.

Section D. Interrelated Phases of the Hydrologic Cycle

4-D1. *Computation of rate and volume of stream depletion by wells,* by C.T. Jenkins: USGS–TWRI book 4, chap. D1. 1970. 17 pages.

Book 5. Laboratory Analysis

Section A. Water Analysis

5-A1. *Methods for determination of inorganic substances in water and fluvial sediments,* by M.J. Fishman and L.C. Friedman, editors: USGS–TWRI book 5, chap. A1. 1989. 545 pages.

5-A2. *Determination of minor elements in water by emission spectroscopy,* by P.R. Barnett and E.C. Mallory, Jr.: USGS–TWRI book 5, chap. A2. 1971. 31 pages.

5-A3. *Methods for the determination of organic substances in water and fluvial sediments,* edited by R.L. Wershaw, M.J. Fishman, R.R. Grabbe, and L.E. Lowe: USGS–TWRI book 5, chap. A3. 1987. 80 pages.

5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples,* by L.J. Britton and P.E. Greeson, editors: USGS–TWRI book 5, chap. A4. 1989. 363 pages.

5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L.L. Thatcher, V.J. Janzer, and K.W. Edwards: USGS–TWRI book 5, chap. A5. 1977. 95 pages.

5-A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments*, by L.C. Friedman and D.E. Erdmann: USGS–TWRI book 5, chap. A6. 1982. 181 pages.

Section C. Sediment Analysis

5-C1. *Laboratory theory and methods for sediment analysis*, by H.P. Guy: USGS–TWRI book 5, chap. C1. 1969. 58 pages.

Book 8. Instrumentation

Section A. Instruments for Measurement of Water Level

8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J.D. Craig: USGS–TWRI book 8, chap. A2. 1983. 57 pages.

Section B. Instruments for Measurement of Discharge

8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G.F. Smoot and C.E. Novak: USGS–TWRI book 8, chap. B2. 1968. 15 pages.

Book 9. Handbooks for Water-Resources Investigations

Section A. National Field Manual for the Collection of Water-Quality Data

9-A1. *National Field Manual for the Collection of Water-Quality Data: Preparations for Water Sampling*, by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A1. 1998. 47 p.

9-A2. *National Field Manual for the Collection of Water-Quality Data: Selection of Equipment for Water Sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A2. 1998. 94 p.

9-A3. *National Field Manual for the Collection of Water-Quality Data: Cleaning of Equipment for Water Sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A3. 1998. 75 p.

9-A4. *National Field Manual for the Collection of Water-Quality Data: Collection of Water Samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A4. 1999. 156 p.

9-A5. *National Field Manual for the Collection of Water-Quality Data: Processing of Water Samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A5. 1999, 149 p.

9-A6. *National Field Manual for the Collection of Water-Quality Data: Field Measurements*, edited by F.D. Wilde and D.B. Radtke: USGS–TWRI book 9, chap. A6. 1998. Variously paginated.

9-A7. *National Field Manual for the Collection of Water-Quality Data: Biological Indicators*, edited by D.N. Myers and F.D. Wilde: USGS–TWRI book 9, chap. A7. 1997 and 1999. Variously paginated.

9-A8. *National Field Manual for the Collection of Water-Quality Data: Bottom-material samples*, by D.B. Radtke: USGS–TWRI book 9, chap. A8. 1998. 48 pages.

9-A9. *National Field Manual for the Collection of Water-Quality Data: Safety in Field Activities*, by S.L. Lane and R.G. Fay: USGS–TWRI book 9, chap. A9. 1998. 60 pages.

06037500 MADISON RIVER NEAR WEST YELLOWSTONE, MT

LOCATION.--Lat 44°39'25", long 111°04'03", in NE$^1/_4$NW$^1/_4$SW$^1/_4$ sec.36, T.13 S., R.5 E., Gallatin County, Hydrologic Unit 10020007, Yellowstone National Park, on left bank 0.7 mi downstream of Montana-Wyoming stateline, 1.5 mi east of West Yellowstone, 16.4 mi downstream from Gibbon River, and at river mile 132.7.

DRAINAGE AREA.--420 mi^2.

PERIOD OF RECORD.--June 1913 to December 1917, July 1918 to October 1921, June 1922 to September 1973, August 1983 to September 1986, October 1988 to current year. Monthly discharge only for some periods, published in WSP 1309.

GAGE.--Water-stage recorder. Elevation of gage is 6,650 ft above sea level, from topographic map. Prior to Oct. 20, 1918, nonrecording gage, and Oct. 20, 1918 to June 29, 1930, nonrecording gage or water-stage recorder at sites 2.5 mi upstream at different datums. U. S. Geological Survey satellite telemeter at station. Supplementary nonrecording gage at site 0.3 mi downstream at different datum used at time during 1927-30.

REMARKS.--Records good. No regulation or diversions upstream from station. Station operated and record provided by the Montana District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	520	508	511	501	473	480	462	822	883	506	430	448
2	520	498	514	502	476	476	464	925	820	502	438	480
3	519	504	517	490	476	473	451	1010	797	496	435	448
4	518	502	485	491	467	478	466	1100	778	489	444	433
5	514	508	486	499	475	482	539	1060	753	491	481	424
6	519	502	493	492	476	494	542	1030	722	485	472	423
7	520	502	507	493	472	486	502	1000	690	480	442	436
8	511	502	501	499	472	493	493	1030	674	467	433	424
9	513	508	502	501	487	487	524	1000	673	461	430	416
10	511	511	502	481	483	480	517	988	663	461	441	412
11	511	511	502	515	479	477	544	839	651	471	448	417
12	511	511	502	498	492	464	576	769	642	461	425	420
13	503	502	529	505	495	470	608	724	885	459	425	417
14	502	502	502	520	504	470	696	694	705	450	417	416
15	502	498	492	520	497	468	654	699	653	445	415	416
16	502	496	520	520	490	457	643	735	634	441	416	416
17	501	496	520	515	488	481	642	938	613	454	416	425
18	513	501	520	499	474	471	643	934	593	484	421	432
19	505	493	520	517	473	481	660	891	617	501	437	430
20	505	502	520	511	468	470	694	932	700	482	419	430
21	502	503	520	511	482	456	732	968	624	467	417	433
22	502	499	519	507	489	467	789	1020	582	458	414	447
23	502	489	503	500	489	482	925	1070	566	445	409	449
24	502	485	495	502	492	471	851	997	555	438	411	446
25	502	495	497	502	500	459	741	1100	539	439	413	447
26	502	516	494	503	483	470	744	1350	531	438	413	441
27	508	528	493	499	488	477	712	1290	535	439	438	438
28	536	520	493	489	496	515	805	1190	535	433	417	433
29	559	515	493	470	485	491	982	1270	520	433	409	433
30	524	511	487	478	---	468	831	1060	519	433	412	426
31	516	---	489	476	---	459	---	979	---	433	424	---
TOTAL	15875	15118	15628	15506	14021	14753	19432	30414	19652	14342	13262	12956
MEAN	512	504	504	500	483	476	648	981	655	463	428	432
MAX	559	528	529	520	504	515	982	1350	885	506	481	480
MIN	501	485	485	470	467	456	451	694	519	433	409	412
AC-FT	31490	29990	31000	30760	27810	29260	38540	60330	38980	28450	26310	25700

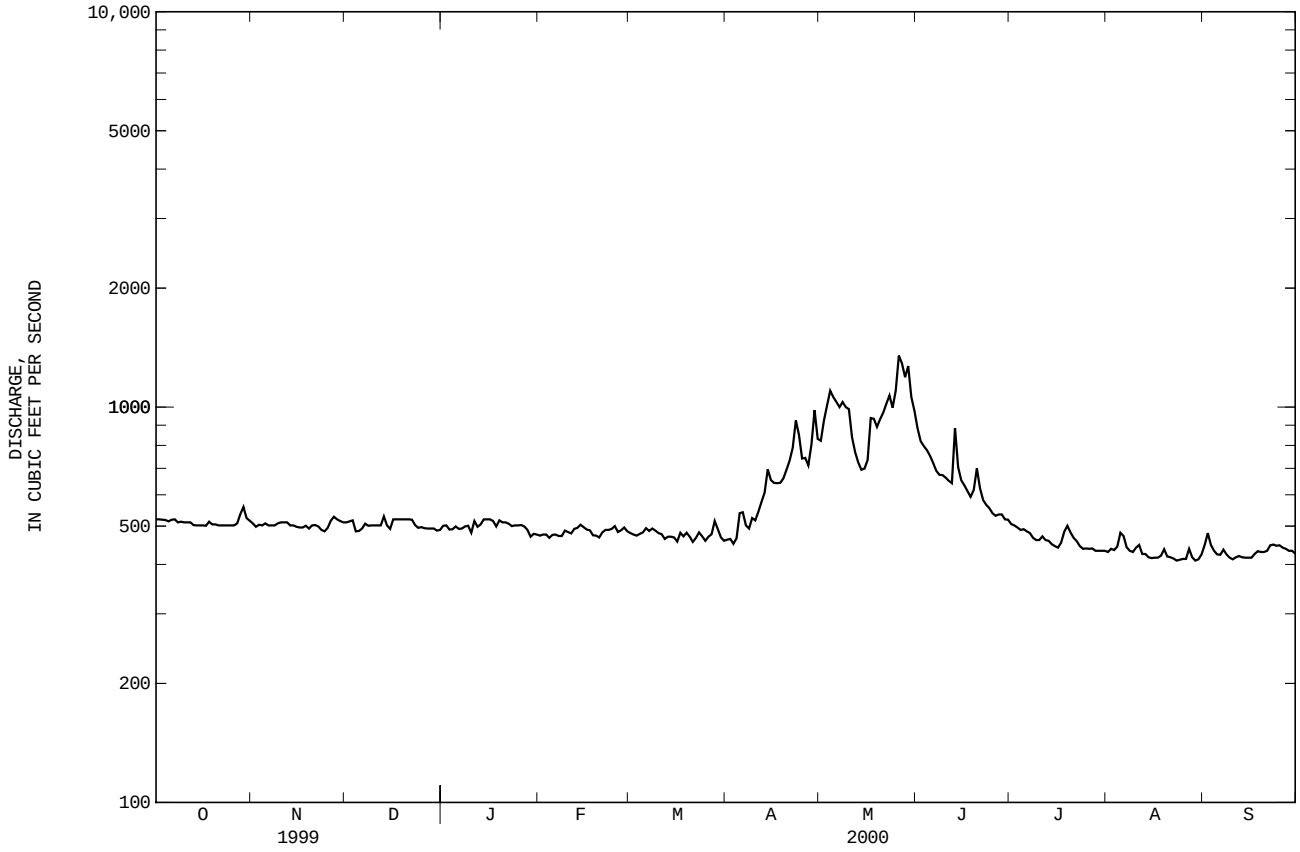
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2000, BY WATER YEAR (WY)*

MEAN	434	425	417	405	399	406	497	856	823	503	435	429
MAX	710	697	641	586	572	539	671	1725	1479	917	759	704
(WY)	1914	1914	1997	1997	1914	1917	1925	1997	1997	1913	1913	1913
MIN	297	297	304	304	303	313	369	388	341	282	273	282
(WY)	1935	1932	1932	1932	1932	1943	1941	1934	1931	1931	1934	1934

06037500 MADISON RIVER NEAR WEST YELLOWSTONE, MT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1913 - 2000*	
ANNUAL TOTAL	235398		200959		--	
ANNUAL MEAN	645		549		501	
HIGHEST ANNUAL MEAN	--		--		789	1997
LOWEST ANNUAL MEAN	--		--		337	1934
HIGHEST DAILY MEAN	2110	May 30	1350	May 26	2750	May 18 1996
LOWEST DAILY MEAN	463	Jan 3	409	Aug 23	245	Jan 1 1942
ANNUAL SEVEN-DAY MINIMUM	473	Jan 1	414	Aug 20	267	Aug 6 1931
INSTANTANEOUS PEAK FLOW	--		1500	May 26	2820[a]	May 18 1996
INSTANTANEOUS PEAK STAGE	--		2.84	May 26	10.00[b]	Jan 8 1937
ANNUAL RUNOFF (AC-FT)	466900		398600		363100	
10 PERCENT EXCEEDS	1040		781		750	
50 PERCENT EXCEEDS	515		499		434	
90 PERCENT EXCEEDS	485		433		339	

* During periods of operation.
a Gage height, 3.78 ft.
b About, backwater from ice.



06043500 GALLATIN RIVER NEAR GALLATIN GATEWAY, MT

LOCATION.--Lat 45°29'51", long 111°16'11" in $SE^1/_4SE^1/_4SE^1/_4$ sec.7, T.4 S., R.4 E., Gallatin County, Hydrologic Unit 10020008, on left bank 0.3 mi downstream from Spanish Creek, 7.3 mi south of Gallatin Gateway and at river mile 47.7.

DRAINAGE AREA.--825 mi^2.

PERIOD OF RECORD.--August 1889 to September 1894, June 1930 to September 1969, annual maximum, water years 1970-71, October 1971 to September 1981, October 1984 to current year. Monthly discharge only for some periods, published in WSP 1309. Published as West Gallatin River near Bozeman 1889-94.

REVISED RECORDS.--WSP 1389: 1892(M), 1893-94. WSP 1559: Drainage area. WDR MT-85-1 (M).

GAGE.--Water-stage recorder. Datum of gage is 5,167.67 ft above sea level. Prior to Oct. 20, 1932, nonrecording gages at several different sites and datums within 0.8 mi of present site.

REMARKS.--Records good. Diversions for irrigation of about 1,400 acres upstream from station. U.S. Geological Survey satellite telemeter at station. Station operated and record provided by the Montana District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	478	412	392	358	313	334	331	1160	2480	1360	550	451
2	463	374	378	360	329	328	342	1460	2420	1400	538	530
3	454	427	364	346	341	327	315	1640	2760	1290	532	486
4	456	438	295	340	327	330	348	1940	2970	1250	544	457
5	450	441	309	343	322	343	411	1890	3090	1140	580	435
6	451	434	327	336	340	352	410	1660	3240	1080	536	426
7	455	417	343	330	339	350	370	1520	3320	1030	519	432
8	448	422	299	338	344	352	361	1370	3310	983	504	418
9	442	416	268	344	354	329	393	1300	3050	953	490	417
10	440	409	296	341	359	342	413	1280	2680	936	483	417
11	439	411	292	344	337	333	431	1210	2310	933	486	434
12	434	404	298	344	347	318	470	1130	2250	886	469	417
13	431	402	328	316	350	333	530	1050	2550	847	462	405
14	429	393	268	336	346	323	598	1010	2120	814	456	399
15	428	382	295	343	347	317	571	1040	2320	788	451	393
16	431	399	309	344	334	313	558	1180	2200	767	443	388
17	417	400	331	345	317	337	574	1400	1960	773	441	387
18	459	409	338	321	292	321	601	1400	1800	781	443	392
19	423	367	332	316	302	330	627	1500	1980	767	473	413
20	431	402	332	345	327	312	668	1630	1910	743	441	411
21	434	355	346	351	337	297	753	1890	1720	714	440	426
22	434	354	344	351	347	322	881	2320	1770	681	432	426
23	429	311	331	349	343	343	1010	2660	1800	657	424	414
24	427	334	316	346	346	326	934	2750	1750	644	427	408
25	432	379	321	350	345	317	817	2850	1720	627	479	421
26	426	407	322	355	306	347	776	3320	1580	617	446	416
27	440	405	e320	349	337	339	769	2990	1520	614	491	410
28	466	389	e320	331	353	378	994	3690	1440	595	446	405
29	481	383	e320	299	341	355	1370	3640	1410	581	431	405
30	436	393	322	288	---	347	1140	3140	1360	569	423	400
31	431	---	328	289	---	327	---	2900	---	561	427	---
TOTAL	13695	11869	9984	10448	9722	10322	18766	59920	66790	26381	14707	12639
MEAN	442	396	322	337	335	333	626	1933	2226	851	474	421
MAX	481	441	392	360	359	378	1370	3690	3320	1400	580	530
MIN	417	311	268	288	292	297	315	1010	1360	561	423	387
AC-FT	27160	23540	19800	20720	19280	20470	37220	118900	132500	52330	29170	25070

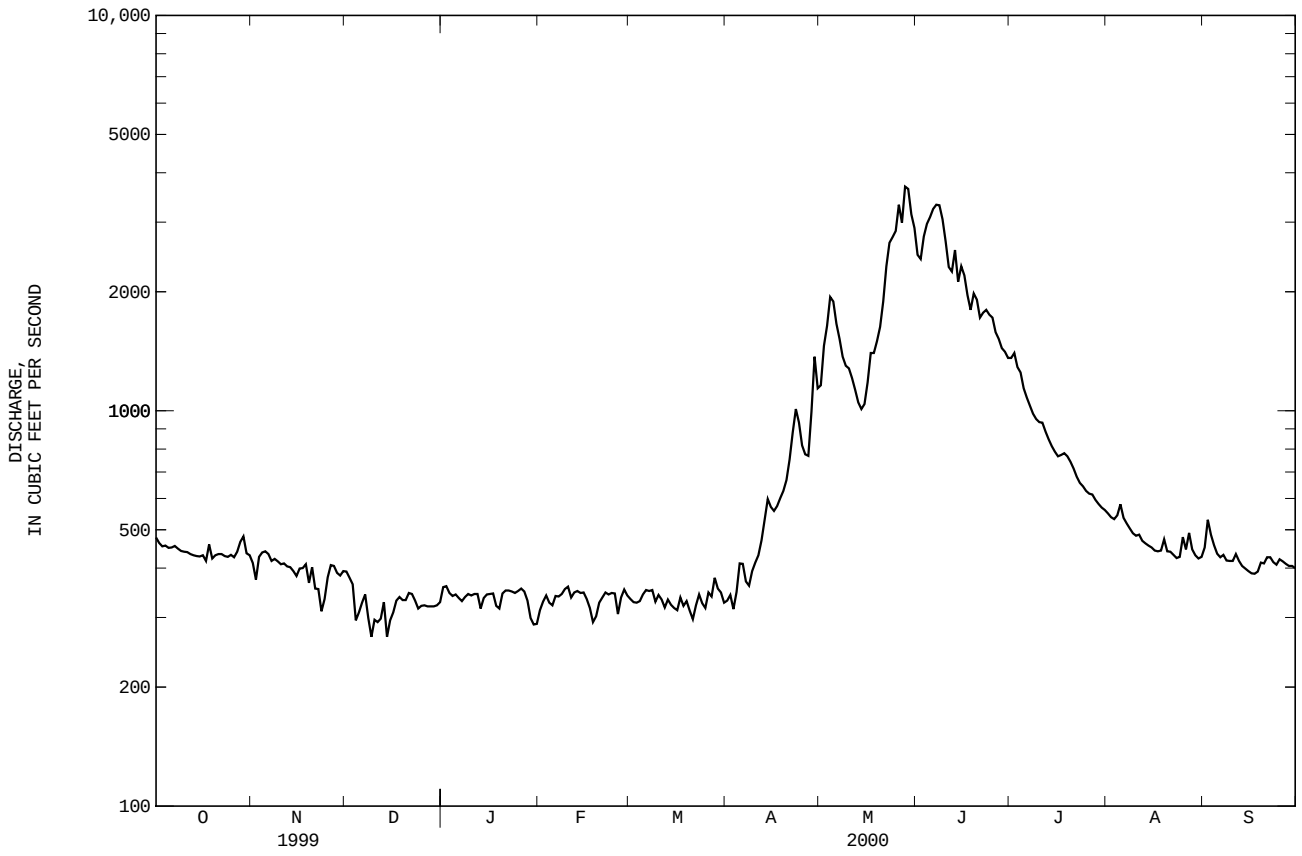
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1889 - 2000, BY WATER YEAR (WY)*

MEAN	458	385	323	310	306	313	505	1814	2969	1308	616	496
MAX	743	589	549	468	430	465	899	3135	5110	3669	1162	788
(WY)	1893	1960	1893	1893	1893	1960	1990	1976	1997	1975	1993	1968
MIN	238	247	214	200	220	206	263	873	643	345	269	233
(WY)	1932	1937	1935	1931	1935	1935	1937	1953	1934	1934	1934	1931

06043500 GALLATIN RIVER NEAR GALLATIN GATEWAY, MT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1889 - 2000*	
ANNUAL TOTAL	308792		265243		--	
ANNUAL MEAN	846		725		820	
HIGHEST ANNUAL MEAN	--		--		1184	1976
LOWEST ANNUAL MEAN	--		--		408	1934
HIGHEST DAILY MEAN	4630	May 29	3690	May 28	8970	Jun 17 1974
LOWEST DAILY MEAN	268	Dec 9	268	Dec 9	174	Nov 21 1931
ANNUAL SEVEN-DAY MINIMUM	292	Dec 9	292	Dec 9	182	Jan 18 1931
INSTANTANEOUS PEAK FLOW	--		4070	May 29	9270[a]	Jun 27 1971
INSTANTANEOUS PEAK STAGE	--		4.44	May 29	7.38	Jun 17 1974
ANNUAL RUNOFF (AC-FT)	612500		526100		593800	
10 PERCENT EXCEEDS	2250		1730		2060	
50 PERCENT EXCEEDS	439		426		430	
90 PERCENT EXCEEDS	331		322		270	

* During periods of operation.
a From rating curve extended above 5,500 ft^3/s. Gage height, 6.49 ft.
e Estimated.



06186500 YELLOWSTONE RIVER AT YELLOWSTONE LAKE OUTLET, YELLOWSTONE NATIONAL PARK

LOCATION.--Lat 44°34'03", long 110°22'48", Yellowstone National Park, Hydrologic Unit 10070001, on left bank 450 ft downstream from Fishing Bridge, 0.3mi downstream from outlet of Yellowstone Lake, and at river mile 616.4.

DRAINAGE AREA.--1,006 mi^2.

PERIOD OF RECORD.--December 1922 to September 1982, October 1983 to September 1986, October 1988 to current year. Prior to October 1926, gage heights only. Monthly discharge only for winter periods in water years 1927-30, 1932-33, 1935-38, 1940, 1942-46 published in WSP 1309; figures of daily discharge for these months published in WSP 646, 666, 686, 701, 731, 746, 786, 806, 826, 856, 896, 956, 976, 1006, 1036, and 1056, have been found to be unreliable and should not be used.

REVISED RECORDS.--WSP 1309: See PERIOD OF RECORD. WSP 1729: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 7,729.58 ft above sea level. Prior to Oct. 2, 1928, nonrecording gage at site 450 ft upstream at datum 1.07 ft higher.

REMARKS.--Records good. No artificial regulation. U. S. Geological Survey satellite telemeter at station. Station operated and record provided by the Montana District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1080	685	537	460	487	496	468	763	3280	3650	1900	991
2	1050	677	533	464	487	493	473	818	3370	3600	1850	986
3	1040	672	523	461	480	491	476	881	3460	3540	1820	946
4	1030	672	518	460	479	488	479	944	3540	3470	1780	925
5	1010	656	517	461	480	485	482	913	3660	3370	1780	911
6	991	642	513	459	479	489	471	1090	3780	3300	1750	892
7	990	635	508	456	477	490	465	1200	3880	3240	1720	877
8	976	632	504	460	474	500	459	1210	4010	3180	1680	865
9	975	626	498	464	475	497	457	1330	4130	3140	1630	849
10	950	615	492	468	477	500	457	1390	4210	3080	1600	817
11	934	608	492	489	477	501	457	1420	4230	3020	1560	796
12	914	602	492	518	485	500	457	1420	4220	2950	1520	773
13	901	597	497	511	490	496	459	1420	4250	2910	1490	758
14	882	591	493	508	502	494	475	1410	4250	2860	1450	746
15	862	585	485	506	518	490	486	1420	4210	2780	1410	739
16	849	580	499	502	512	489	491	1420	4190	2720	1380	730
17	842	576	499	503	508	493	494	1480	4160	2670	1340	721
18	817	570	499	501	508	494	498	1540	4110	2660	1320	715
19	805	566	491	513	505	498	509	1570	4100	2610	1300	697
20	792	570	489	508	502	499	514	1620	4130	2560	1270	687
21	780	571	481	507	498	498	523	1670	4090	2510	1240	680
22	777	566	485	504	495	494	537	1740	4020	2470	1210	664
23	764	555	478	500	492	494	563	1840	3980	2410	1190	664
24	750	554	475	499	492	493	589	1970	3960	2340	1150	654
25	744	553	470	501	506	489	605	2100	3910	2270	1130	647
26	738	561	469	500	505	486	617	2320	3870	2230	1120	641
27	729	553	469	499	502	482	630	2520	3830	2170	1100	633
28	728	546	466	495	504	476	659	2700	3800	2100	1070	623
29	726	543	465	493	501	468	701	2860	3740	2040	1040	624
30	714	542	460	492	---	465	733	3020	3700	2000	1020	619
31	709	---	459	490	---	463	---	3190	---	1960	1010	---
TOTAL	26849	17901	15256	15152	14297	15191	15684	51189	118070	85810	43830	22870
MEAN	866	597	492	489	493	490	523	1651	3936	2768	1414	762
MAX	1080	685	537	518	518	501	733	3190	4250	3650	1900	991
MIN	709	542	459	456	474	463	457	763	3280	1960	1010	619
AC-FT	53250	35510	30260	30050	28360	30130	31110	101500	234200	170200	86940	45360

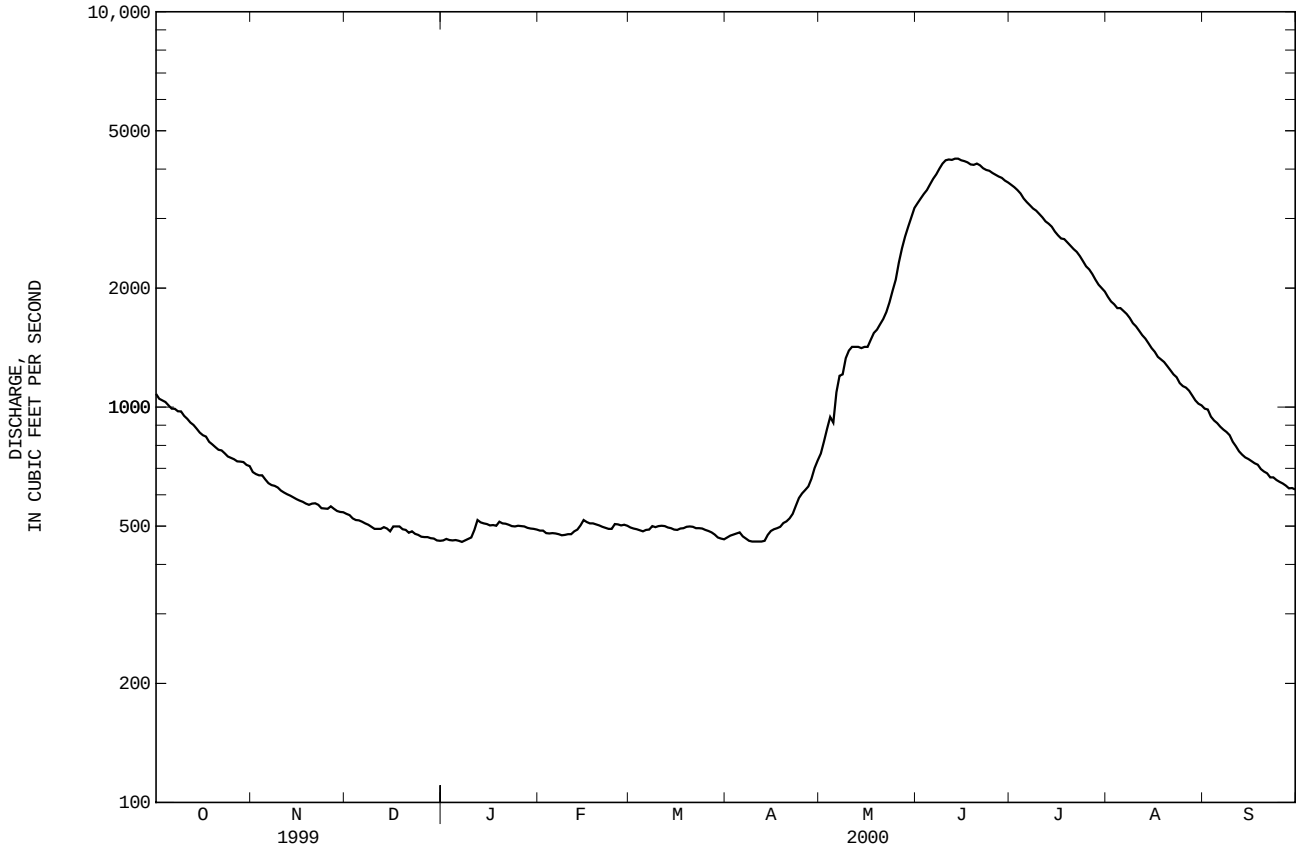
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2000, BY WATER YEAR (WY)*

MEAN	809	612	480	402	391	448	546	1162	3712	4085	2239	1223
MAX	1259	984	775	699	637	717	801	2214	8574	7160	4031	1954
(WY)	1973	1951	1951	1998	1998	1962	1952	1997	1997	1982	1982	1982
MIN	327	276	246	168	122	130	175	605	1707	1272	812	538
(WY)	1989	1989	1932	1989	1989	1935	1937	1953	1934	1934	1934	1934

06186500 YELLOWSTONE RIVER AT YELLOWSTONE LAKE OUTLET, YELLOWSTONE NATIONAL PARK--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1927 - 2000*	
ANNUAL TOTAL	619928		442099		--	
ANNUAL MEAN	1698		1208		1348	
HIGHEST ANNUAL MEAN	--		--		2253	1997
LOWEST ANNUAL MEAN	--		--		682	1934
HIGHEST DAILY MEAN	6720	Jun 27	4250	Jun 1	9930	Jun 19 1997
LOWEST DAILY MEAN	459	Dec 31	456	Jan 7	100	Feb 18 1993
ANNUAL SEVEN-DAY MINIMUM	465	Dec 25	459	Apr 7	113	Feb 11 1989
INSTANTANEOUS PEAK FLOW	--		4320	Jun 1	9950	Jun 18 1997
INSTANTANEOUS PEAK STAGE	--		6.21	Jun 1	8.90	Jun 18 1997
ANNUAL RUNOFF (AC-FT)	1230000		876900		976400	
ANNUAL RUNOFF (CFSM)	1.47		1.70		1.34	
ANNUAL RUNOFF (INCHES)	19.94		23.09		18.23	
10 PERCENT EXCEEDS	4920		3250		3520	
50 PERCENT EXCEEDS	677		662		682	
90 PERCENT EXCEEDS	540		477		340	

* During periods of operation.



06187950 SODA BUTTE CREEK NEAR LAMAR RANGER STATION, YELLOWSTONE NATIONAL PARK

LOCATION.--Lat 44°52'06", long 110°09'53", Yellowstone National Park, Hydrologic Unit 10070001, on left bank, 4 mi southeast of Lamar Ranger Station, and at river mile 1.5.

DRAINAGE AREA.--99.0 mi^2.

PERIOD OF RECORD.--October 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,630 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges and those for May 21 to July 7, which are poor. No regulation or diversion upstream of station. U. S. Geological Survey satellite telemeter at station. Station operated by National Park Service and record provided by the Montana District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	34	28	35	e28	29	23	253	637	413	100	55
2	53	28	28	35	32	29	25	341	677	399	96	55
3	52	30	25	e32	33	e28	24	395	766	376	92	53
4	50	30	e22	e32	e30	e30	30	449	824	344	96	51
5	50	41	e18	35	32	e30	52	380	862	303	122	49
6	50	37	e19	e34	34	e29	53	346	908	299	96	50
7	50	34	e20	e34	35	e27	45	312	901	283	88	51
8	49	33	e20	37	33	26	44	281	846	273	83	48
9	49	33	28	e36	37	24	55	263	784	263	80	46
10	48	33	26	e35	35	22	56	246	698	249	81	45
11	47	32	e25	e35	30	22	57	226	610	232	77	46
12	46	32	26	e34	34	20	60	198	659	226	73	44
13	45	31	29	e30	33	23	60	185	762	215	70	43
14	46	29	e25	34	33	24	65	176	590	205	68	42
15	49	27	30	33	32	e20	64	177	687	194	67	41
16	43	29	31	34	31	e22	65	205	589	184	65	41
17	37	29	32	e30	e30	27	64	272	490	186	64	40
18	38	29	32	e30	e32	24	65	263	459	178	66	41
19	37	27	32	30	e34	25	64	323	651	177	65	42
20	36	29	34	30	e32	e23	69	390	563	158	62	42
21	36	e21	33	30	e30	e20	89	467	503	150	61	43
22	35	22	e33	29	31	e23	123	602	513	142	59	45
23	35	e21	e30	28	32	e23	152	699	527	136	57	43
24	34	20	e28	29	33	e25	128	716	559	129	56	43
25	34	19	e27	31	31	e25	111	844	548	123	56	42
26	33	21	e25	30	e30	e27	107	789	481	118	58	41
27	37	23	e24	e30	30	28	118	679	454	113	67	41
28	41	25	e23	29	e30	30	198	818	428	109	58	41
29	39	23	e24	e28	e30	25	260	796	416	106	54	42
30	37	26	e25	e25	---	23	204	725	415	104	55	40
31	37	---	e30	e25	---	23	---	685	---	101	56	---
TOTAL	1329	848	832	979	927	776	2530	13501	18807	6488	2248	1346
MEAN	42.9	28.3	26.8	31.6	32.0	25.0	84.3	436	627	209	72.5	44.9
MAX	56	41	34	37	37	30	260	844	908	413	122	55
MIN	33	19	18	25	28	20	23	176	415	101	54	40
AC-FT	2640	1680	1650	1940	1840	1540	5020	26780	37300	12870	4460	2670

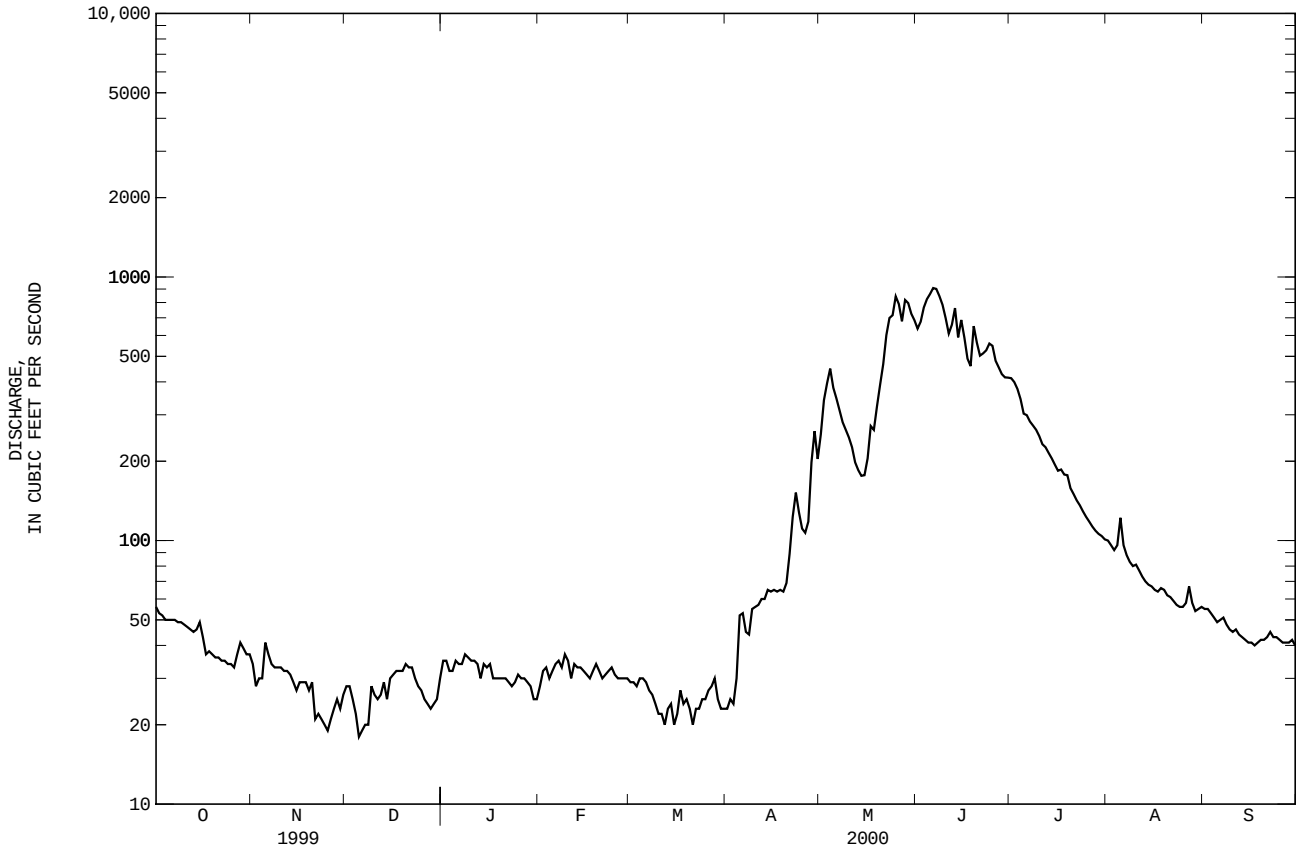
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2000, BY WATER YEAR (WY)

MEAN	44.8	32.6	25.7	26.0	24.3	24.5	65.6	414	724	310	101	60.0
MAX	68.8	40.3	31.2	33.3	32.0	32.0	127	580	1251	447	162	92.0
(WY)	1998	1997	1996	1997	2000	1997	1990	1993	1996	1998	1997	1997
MIN	27.8	21.4	16.0	16.7	16.9	20.1	32.3	217	368	106	58.1	40.4
(WY)	1989	1995	1989	1989	1995	1989	1993	1995	1994	1994	1994	1994

06187950 SODA BUTTE CREEK NEAR LAMAR RANGER STATION, YELLOWSTONE NATIONAL PARK--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1989 - 2000	
ANNUAL TOTAL	59773		50611		--	
ANNUAL MEAN	164		138		155	
HIGHEST ANNUAL MEAN	--		--		204	1996
LOWEST ANNUAL MEAN	--		--		108	1994
HIGHEST DAILY MEAN	1350	May 29	908	Jun 6	2070	Jun 9 1996
LOWEST DAILY MEAN	18	Dec 5	18	Dec 5	12	Feb 4 1989, Jan 3 1995
ANNUAL SEVEN-DAY MINIMUM	21	Nov 21	21	Nov 21	13	Feb 2 1989
INSTANTANEOUS PEAK FLOW	--		1070	Jun 7	2450[a]	Jun 8 1996
INSTANTANEOUS PEAK STAGE	--		6.66	Jun 7	6.66	Jun 7 2000
ANNUAL RUNOFF (AC-FT)	118600		100400		112100	
10 PERCENT EXCEEDS	592		461		509	
50 PERCENT EXCEEDS	38		42		44	
90 PERCENT EXCEEDS	25		25		22	

a Gage height, 5.61 ft.
e Estimated.



06188000 LAMAR RIVER NEAR TOWER FALLS RANGER STATION, YELLOWSTONE NATIONAL PARK

LOCATION.--Lat 44°55'40", long 110°23'35", Yellowstone National Park, Hydrologic Unit 10070001, on left bank 0.5 mi north of the Cooke City highway, 1.6 mi northeast of Tower Falls Ranger Station, 2.7 mi downstream from Slough Creek, and at river mile 0.5.

DRAINAGE AREA.--660 mi^2.

PERIOD OF RECORD.--September 1922, April 1923 to September 1969, May 1985 to September 1986 (seasonal records only), October 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,000 ft above sea level, from topographic map. Prior to Sept. 16, 1925, nonrecording gage and Sept. 16, 1925 to July 29, 1927, water-stage recorder at same site at datum 1.00 ft higher. July 29, 1927 to Sept. 30, 1969, water-stage recorder at same site and datum. May 1985 to September 1986, nonrecording gage at same site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. No regulation or diversion upstream of station. Station operated and record provided by the Montana District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	182	153	e110	e90	e95	e120	e170	2950	5320	1720	325	191
2	184	126	e100	e90	e100	e130	e170	4060	5270	1630	318	198
3	184	144	e90	e85	e90	e130	e180	4530	5860	1490	300	190
4	176	153	e85	e90	e85	e130	e200	5250	5870	1370	296	177
5	175	171	e90	e90	e95	e130	e250	4490	6010	1200	441	167
6	175	177	e95	e85	e90	e140	e300	3670	6040	1140	354	164
7	175	161	e90	e85	e90	e140	256	3010	6130	1060	301	178
8	175	156	e85	e90	e95	e150	236	2550	5740	1000	280	169
9	174	157	e90	e90	e100	e150	297	2320	4970	941	265	158
10	171	153	e90	e90	e90	e140	312	2150	4200	908	261	156
11	170	149	e90	e90	e90	e140	382	1930	3570	836	262	158
12	168	149	e100	e85	e95	e130	544	1650	3610	809	237	157
13	165	144	e90	e85	e95	e140	619	1480	4520	754	225	152
14	163	139	e80	e90	e95	e140	927	1380	3330	706	215	147
15	164	130	e85	e95	e95	e130	818	1500	3570	664	209	145
16	163	134	e95	e100	e100	e130	871	1880	3360	626	206	141
17	154	137	e90	e90	e100	e140	857	2910	2690	621	199	140
18	150	142	e100	e90	e100	e140	834	2630	2410	656	200	142
19	150	135	e95	e95	e100	e130	861	3340	3540	700	231	145
20	150	133	e95	e95	e95	e120	1170	3940	3510	609	205	155
21	150	120	e100	e95	e100	e120	1640	4720	2710	548	197	158
22	150	e120	e95	e90	e110	e130	2230	5380	2730	507	189	173
23	150	e110	e85	e90	e110	e150	2430	6110	2700	470	182	167
24	150	e110	e85	e90	e110	e140	1940	6280	2770	440	178	162
25	150	e120	e85	e95	e100	e140	1470	7630	2690	418	181	161
26	150	e130	e80	e95	e100	e160	1320	7620	2330	400	182	164
27	154	e120	e80	e90	e110	e170	1470	6380	2180	386	227	161
28	163	e120	e80	e85	e120	e180	2590	7620	1980	371	201	156
29	172	e110	e80	e80	e120	e190	3520	8210	1850	357	178	154
30	162	e110	e80	e80	---	e180	2460	7290	1780	347	173	152
31	158	---	e85	e85	---	e170	---	6610	---	332	193	---
TOTAL	5077	4113	2780	2775	2875	4430	31324	131470	113240	24016	7411	4838
MEAN	164	137	89.7	89.5	99.1	143	1044	4241	3775	775	239	161
MAX	184	177	110	100	120	190	3520	8210	6130	1720	441	198
MIN	150	110	80	80	85	120	170	1380	1780	332	173	140
AC-FT	10070	8160	5510	5500	5700	8790	62130	260800	224600	47640	14700	9600

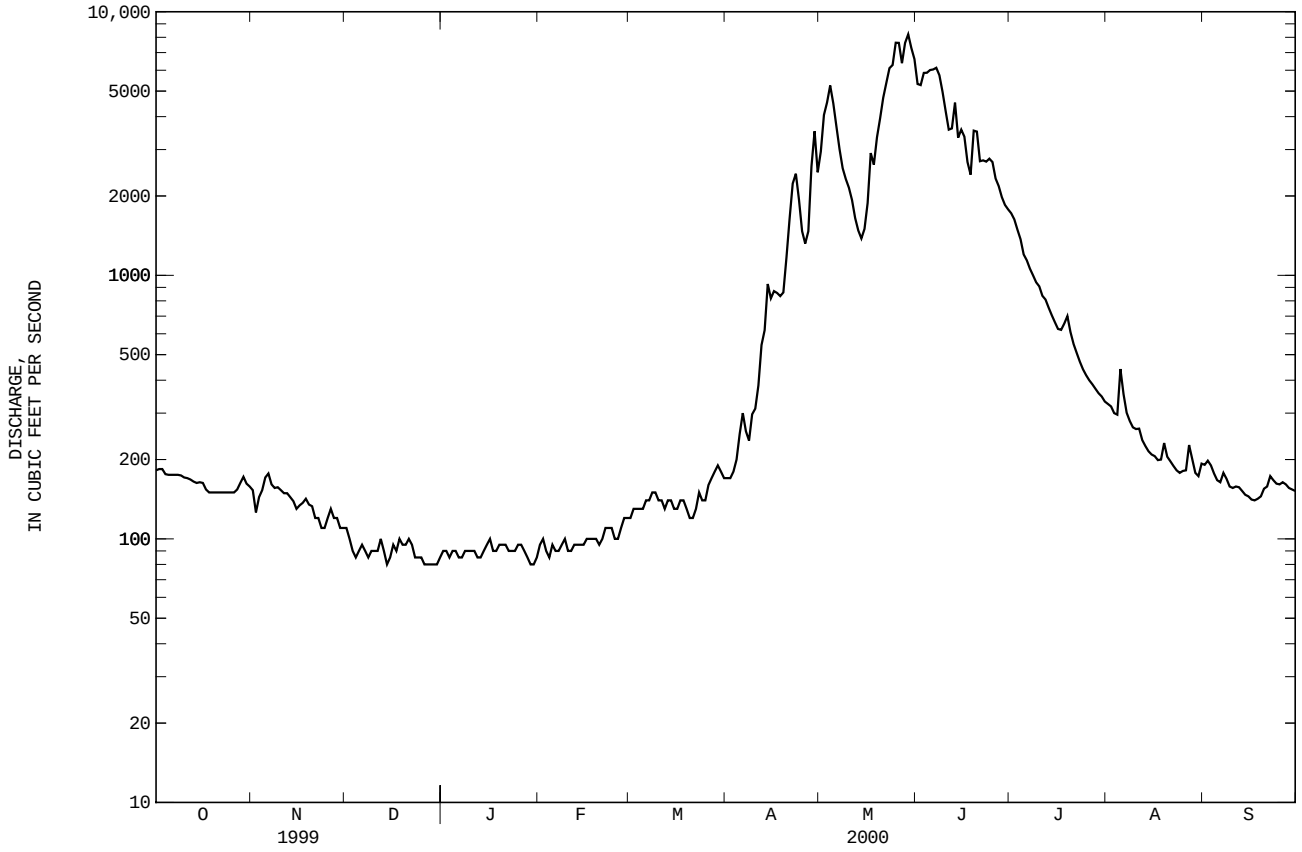
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2000, BY WATER YEAR (WY)*

MEAN	214	157	121	107	103	113	465	2839	4297	1376	356	231
MAX	485	330	202	200	171	204	1684	6885	9044	3256	886	518
(WY)	1942	1928	1951	1969	1969	1999	1990	1928	1996	1943	1968	1968
MIN	109	88.1	75.5	71.8	70.0	67.9	106	969	1408	344	173	115
(WY)	1989	1937	1953	1989	1942	1964	1945	1933	1934	1931	1940	1988

06188000 LAMAR RIVER NEAR TOWER FALLS RANGER STATION, YELLOWSTONE NATIONAL PARK--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1923 - 2000*	
ANNUAL TOTAL	443559		334349		--	
ANNUAL MEAN	1215		914		872	
HIGHEST ANNUAL MEAN	--		--		1531	1997
LOWEST ANNUAL MEAN	--		--		525	1934
HIGHEST DAILY MEAN	9800	May 29	8210	May 29	15600	Jun 10 1996
LOWEST DAILY MEAN	80	Dec 14	80	Dec 14	45	Mar 23 1964
ANNUAL SEVEN-DAY MINIMUM	81	Dec 24	81	Dec 24	57	Mar 5 1964
INSTANTANEOUS PEAK FLOW	--		9640	May 28	19500	Jun 10 1996
INSTANTANEOUS PEAK STAGE	--		8.30	May 28	12.15	Jun 10 1996
ANNUAL RUNOFF (AC-FT)	879800		663200		631600	
10 PERCENT EXCEEDS	4570		3330		2990	
50 PERCENT EXCEEDS	210		164		190	
90 PERCENT EXCEEDS	120		90		91	

* During periods.
e Estimated.



06191000 GARDNER RIVER NEAR MAMMOTH, YELLOWSTONE NATIONAL PARK

LOCATION.--Lat 44°59'33", long 110°41'26", Yellowstone National Park, Hydrologic Unit 10070001, on left bank at Wyoming-Montana state line, 400 ft upstream from highway bridge, 0.5 mi downstream from Hot River (formerly Boiling River), 1.5 mi north of Mammoth, and at river mile 2.9.

DRAINAGE AREA.--202 mi^2.

PERIOD OF RECORD.--October 1938 to September 1972, April l984 to current year. Prior to October 1959, published as Gardiner River near Mammoth.

REVISED RECORDS.--WSP 1729: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,623.97 ft above sea level (levels by National Park Service).

REMARKS.--Records good. No regulation or diversion upstream of station. Station operated and record provided by the Montana District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	158	147	138	127	126	112	107	353	625	268	153	129
2	156	138	134	125	126	112	106	423	604	267	148	137
3	156	148	129	116	122	110	102	481	631	248	134	130
4	155	149	108	116	109	111	111	546	643	235	136	122
5	155	163	114	122	125	112	122	510	645	225	145	119
6	154	154	127	120	119	114	123	483	620	219	136	121
7	156	147	132	119	119	115	115	446	560	214	131	121
8	156	148	112	118	118	114	112	416	531	208	129	118
9	153	146	129	118	118	112	117	411	493	204	127	116
10	153	143	130	117	117	112	118	403	478	204	130	115
11	153	143	122	119	114	112	124	363	439	202	129	116
12	152	141	126	119	115	109	137	337	467	205	124	115
13	150	139	128	118	114	113	153	314	601	197	123	114
14	150	137	111	126	117	112	170	306	454	193	122	113
15	155	135	122	120	112	107	168	316	428	188	122	112
16	148	138	124	120	115	108	176	348	413	186	121	112
17	147	137	129	118	113	113	190	433	373	190	121	115
18	155	139	128	114	102	110	192	426	349	192	122	114
19	149	130	128	122	120	109	202	454	421	192	122	117
20	149	137	128	120	107	108	233	497	417	186	119	119
21	149	125	127	120	126	107	254	545	360	180	120	118
22	148	127	129	120	116	106	286	609	349	174	118	125
23	146	117	118	117	116	105	308	661	343	170	117	120
24	145	124	120	120	115	110	273	681	339	166	118	118
25	146	129	118	120	115	109	246	753	330	165	122	126
26	144	139	118	121	109	105	254	799	317	164	123	129
27	151	144	123	116	115	109	273	761	336	166	139	131
28	165	142	121	115	112	112	337	815	308	165	122	128
29	163	138	119	95	114	110	380	828	297	163	118	128
30	156	139	114	105	---	107	314	756	282	160	118	126
31	154	---	128	110	---	104	---	711	---	157	120	---
TOTAL	4727	4183	3834	3653	3366	3409	5803	16185	13453	6053	3929	3624
MEAN	152	139	124	118	116	110	193	522	448	195	127	121
MAX	165	163	138	127	126	115	380	828	645	268	153	137
MIN	144	117	108	95	102	104	102	306	282	157	117	112
AC-FT	9380	8300	7600	7250	6680	6760	11510	32100	26680	12010	7790	7190

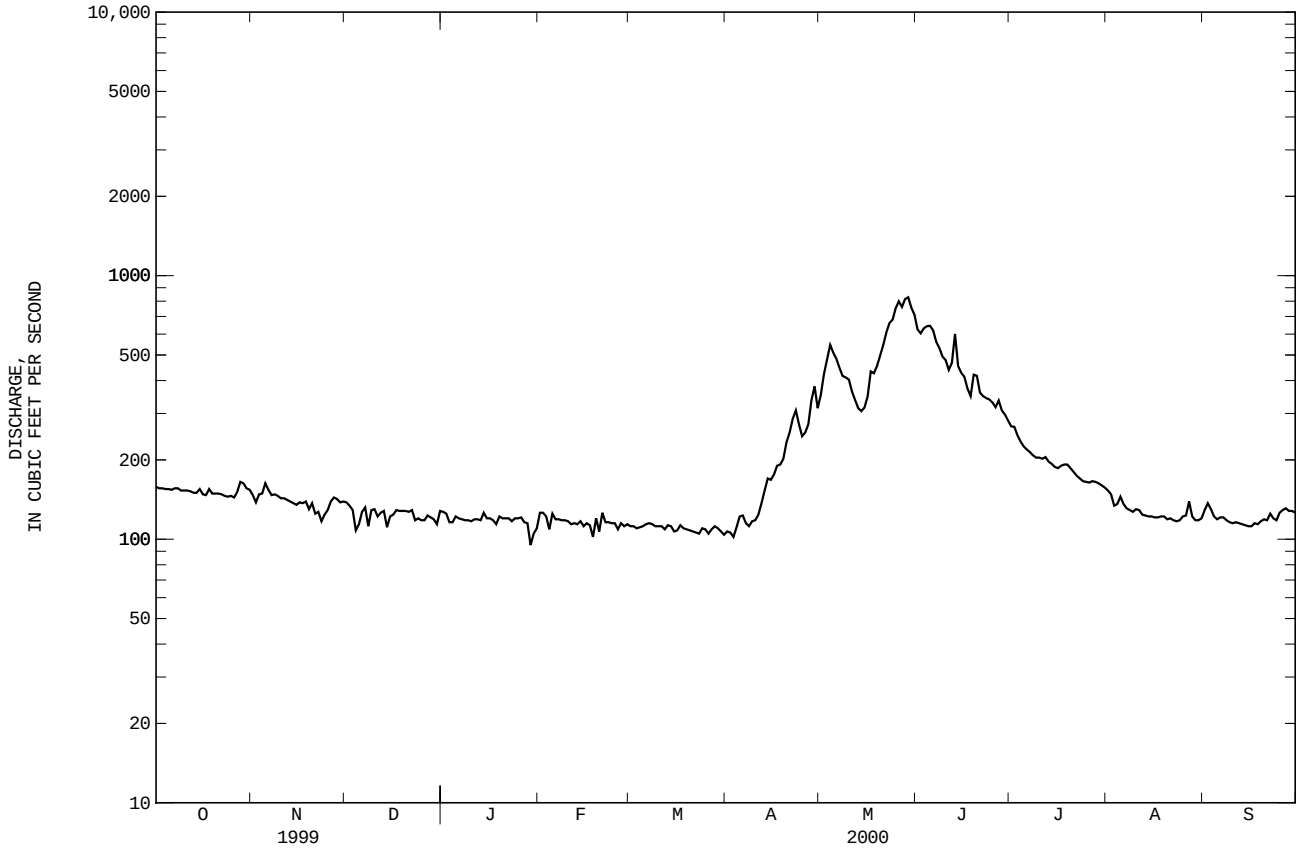
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2000, BY WATER YEAR (WY)*

MEAN	128	113	103	97.6	93.4	94.0	142	514	726	308	164	138
MAX	175	151	135	134	128	128	304	1067	1354	662	236	190
(WY)	1969	1998	1998	1998	1998	1998	1990	1997	1971	1943	1943	1968
MIN	95.9	85.5	79.3	77.6	75.0	75.4	84.1	283	212	133	103	93.4
(WY)	1961	1940	1941	1941	1940	1942	1945	1960	1987	1988	1988	1988

06191000 GARDNER RIVER NEAR MAMMOTH, YELLOWSTONE NATIONAL PARK--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1939 - 2000*	
ANNUAL TOTAL	98110		72219		--	
ANNUAL MEAN	269		197		219	
HIGHEST ANNUAL MEAN	--		--		324	1997
LOWEST ANNUAL MEAN	--		--		138	1988
HIGHEST DAILY MEAN	1500	May 29	828	May 29	1830	May 29 1956
LOWEST DAILY MEAN	101	Feb 11	95	Jan 29	53	Dec 15 1988
ANNUAL SEVEN-DAY MINIMUM	108	Feb 10	107	Mar 28	61	Feb 1 1989
INSTANTANEOUS PEAK FLOW	--		887	May 28	2080[a]	Jun 4 1956
INSTANTANEOUS PEAK STAGE	--		3.68	May 22	5.03	Jun 2 1997
ANNUAL RUNOFF (AC-FT)	194600		143200		158500	
10 PERCENT EXCEEDS	732		422		527	
50 PERCENT EXCEEDS	151		130		123	
90 PERCENT EXCEEDS	115		112		88	

* During periods of operation.
a Gage height, 4.46 ft.



06191500 YELLOWSTONE RIVER AT CORWIN SPRINGS, MT
(National Water-Quality Assessment Program)

LOCATION.--Lat 45°06'43", long 110°47'37", in $NW^{1}/_{4}SE^{1}/_{4}NW^{1}/_{4}$ sec.30, T.8 S., R.8 E., Park County, Hydrologic Unit 10070002, on left bank 20 ft downstream from county road bridge at Corwin Springs, 1.3 mi upstream from Mol Heron Creek, 7 mi northwest of Gardiner, and at river mile 549.7.

DRAINAGE AREA.--2,623 mi^2.

PERIOD OF RECORD.--August 1889 to November 1893 (published as "at Horr"), September 1910 to current year. Monthly discharge only for some periods, published in WSP 1309.

REVISED RECORDS.--WSP 1309: 1912. WSP 1509: 1889-94, 1911, 1913, 1916-18, 1920-21, 1925, 1927. WSP 1559: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,079.09 ft above sea level. Aug. 12, 1889, to Nov. 4, 1893, nonrecording gages at site 2 mi upstream at different datums. Sept. 2, 1910, to Apr. 19, 1935, nonrecording gages on bridge at present datum.

REMARKS.--Water-discharge records good except those for estimated daily discharges, which are fair. Natural storage in Yellowstone Lake. Diversions for irrigation of about 960 acres of which 40 acres lies downstream from station. U.S. Geological Survey satellite telemeter at station. Station operated and record provided by the Montana District. Water-quality data are published in the special studies section of this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1790	1290	1090	998	e950	975	982	5060	11900	6530	2670	1580
2	1750	1190	1080	987	988	973	1000	7180	11600	6370	2630	1620
3	1720	1230	1070	950	979	957	951	8050	12800	6060	2560	1560
4	1700	1270	905	942	922	954	985	9690	13000	5770	2520	1500
5	1680	1330	920	954	940	969	1120	8580	13300	5440	2600	1450
6	1660	1300	981	956	954	1010	1220	7150	13500	5180	2490	1440
7	1630	1240	1060	933	955	1010	1140	6230	13800	4970	2370	1440
8	1620	1230	955	929	948	1020	1090	5590	13500	4790	2280	1410
9	1600	1220	1000	933	970	1020	1140	5270	12400	4640	2220	1390
10	1590	1200	1030	910	976	1020	1180	5210	11300	4540	2180	1360
11	1550	1180	980	899	938	1010	1240	4820	10300	4380	2150	1350
12	1530	1170	996	900	967	942	1430	4280	10200	4250	2080	1320
13	1510	1160	1070	827	986	1020	1580	3970	11900	4090	2030	1300
14	1490	1140	898	926	990	993	1960	3800	9950	3950	1990	1270
15	1500	1110	927	994	981	948	1960	3950	10100	3820	1940	1260
16	1430	1120	953	1020	995	939	1980	4510	9960	3710	1920	1240
17	1380	1120	898	1020	966	1010	2020	6130	8930	3650	1880	1230
18	1420	1130	1020	969	924	974	2000	6010	8400	3690	1860	1230
19	1390	1090	1010	1000	954	991	2030	6870	9700	3750	1880	1240
20	1370	1110	1020	1010	922	903	2380	7890	10200	3550	1840	1240
21	1370	1070	1030	1010	964	915	2950	9370	8840	3410	1800	1250
22	1350	1070	1000	1000	989	975	3820	10300	8670	3300	1750	1260
23	1340	1010	981	981	983	1010	4280	11700	8550	3210	1720	1250
24	1320	1000	946	980	982	986	3820	12000	8550	3130	1690	1220
25	1320	1080	955	983	984	961	3050	13700	8410	3050	1680	1230
26	1310	1130	942	991	920	1010	2780	14400	7800	3000	1650	1220
27	1310	1170	948	966	990	1010	2870	12900	7580	2970	1740	1200
28	1340	1130	951	943	998	1050	4200	14100	7220	2890	1670	1180
29	1390	1090	935	870	992	1060	6420	15700	6950	2830	1600	1170
30	1330	1100	922	853	---	1020	4690	14400	6720	2790	1550	1160
31	1310	---	952	907	---	985	---	13700	---	2750	1570	---
TOTAL	46000	34680	30425	29541	28007	30620	68268	262510	306030	126460	62510	39570
MEAN	1484	1156	981	953	966	988	2276	8468	10200	4079	2016	1319
MAX	1790	1330	1090	1020	998	1060	6420	15700	13800	6530	2670	1620
MIN	1310	1000	898	827	920	903	951	3800	6720	2750	1550	1160
AC-FT	91240	68790	60350	58590	55550	60730	135400	520700	607000	250800	124000	78490

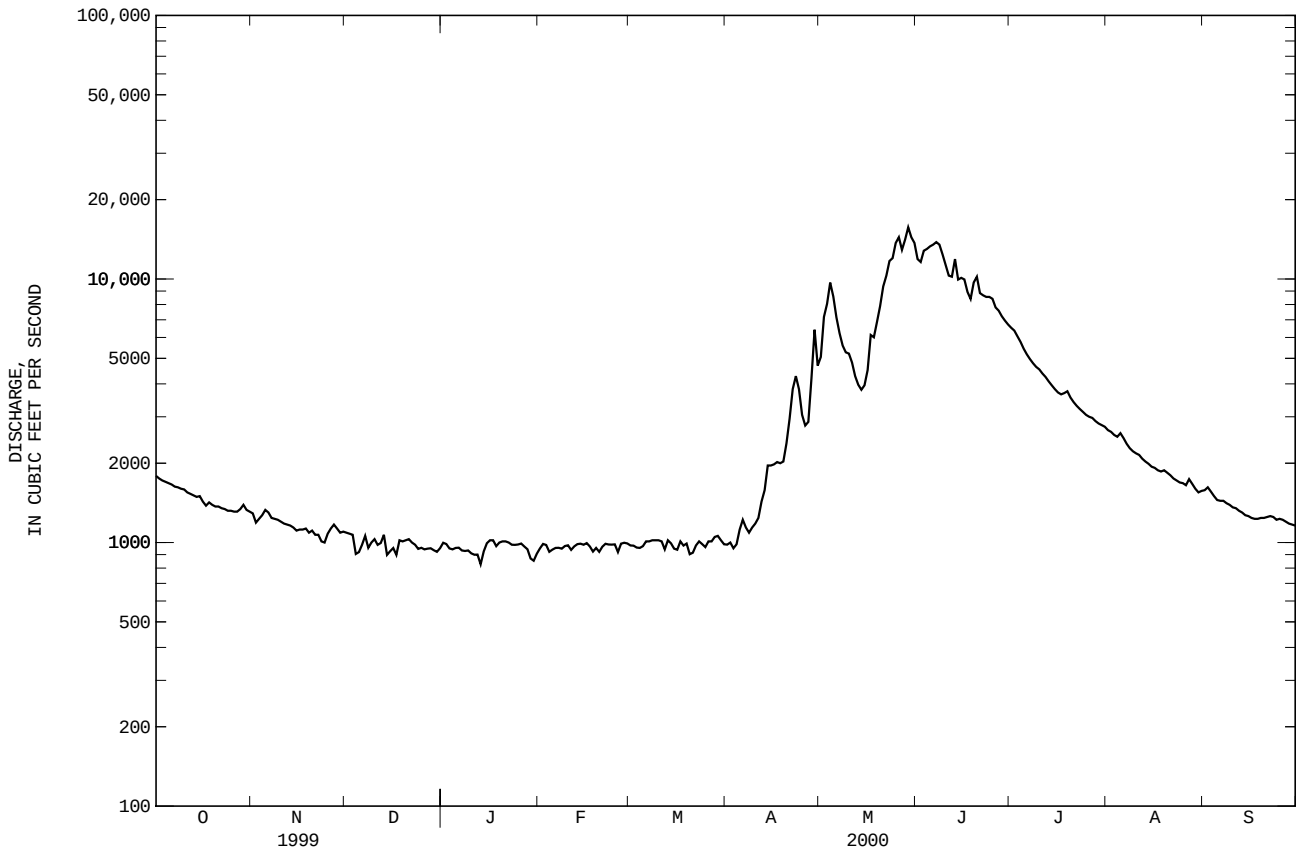
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1889 - 2000, BY WATER YEAR (WY)*

MEAN	1532	1197	970	855	842	922	1549	6084	11540	6866	3211	1964
MAX	2429	2058	1424	1361	1340	1376	3542	13590	22540	13260	5688	3207
(WY)	1973	1928	1984	1997	1997	1997	1990	1928	1997	1982	1982	1968
MIN	781	702	551	448	411	412	576	2575	4245	2025	1319	938
(WY)	1989	1989	1937	1937	1937	1937	1937	1975	1934	1919	1919	1988

06191500 YELLOWSTONE RIVER AT CORWIN SPRINGS, MT--Continued
(National Water-Quality Assessment Program)

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1889 - 2000*	
ANNUAL TOTAL	1406005		1064621		--	
ANNUAL MEAN	3852		2909		3136	
HIGHEST ANNUAL MEAN	--		--		5158	1997
LOWEST ANNUAL MEAN	--		--		1903	1934
HIGHEST DAILY MEAN	19500	Jun 22	15700	May 29	32000	Jun 14 1918
LOWEST DAILY MEAN	898	Dec 14	827	Jan 13	380	Feb 5 1989
ANNUAL SEVEN-DAY MINIMUM	943	Dec 24	903	Jan 8	393	Feb 4 1937
INSTANTANEOUS PEAK FLOW	--		17500	May 29	32200[a]	Jun 10 1996
INSTANTANEOUS PEAK STAGE	--		8.03	May 29	11.50	Jun 14 1918
ANNUAL RUNOFF (AC-FT)	2789000		2112000		2272000	
10 PERCENT EXCEEDS	12000		8450		8530	
50 PERCENT EXCEEDS	1430		1320		1410	
90 PERCENT EXCEEDS	1070		950		765	

* During periods of operation.
a Gage height, 10.92 ft.
e Estimated.



06205450 CLARKS FORK YELLOWSTONE RIVER AT MONTANA-WYOMING STATE LINE, NEAR COOKE CITY, MT

LOCATION.--Lat 44°57'28", long 109°48'21", Park County, WY, Hydrologic Unit 10070006, Shoshone National Forest, at bridge on U.S. Highway 12, 300 ft upstream from Pilot Creek, 0.9 mi downstream from Rock Creek, 1.8 mi northwest of Crazy Creek Campground, and 7.5 mi southeast of Cooke City, MT.

PERIOD OF RECORD.--August 1975 to October 1977, November 1990 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT										
27...	0825	10	597	88	9.6	7.9	129	3.0	1.5	65
JAN										
27...	0915	14	595	83	9.5	7.5	109	-17.0	.0	54
JUN										
01...	0830	1050	595	118	12.6	7.3	40	7.5	2.5	19
AUG										
08...	1345	79	573	138	10.2	8.1	57	26.5	16.0	26

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT										
27...	20.6	3.18	.5	.1	1.7	65	.4	<.1	6.1	5.5
JAN										
27...	17.3	2.65	.3	.1	1.3	53	.4	<.1	5.5	4.2
JUN										
01...	5.63	1.14	.3	.1	.8	20	E.3	<.1	4.1	2.8
AUG										
08...	8.17	1.44	.5	.1	1.1	28	<.3	<.1	3.0	2.9

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)
OCT										
27...	<.020	<.050	<.010	<.010	.10	2.08	77	4	<1	<2.0
JAN										
27...	<.020	.077	<.010	<.010	.09	2.42	64	19	<1	<2.0
JUN										
01...	<.020	<.050	<.010	<.010	--	--	--	<31	<1	<2.0
AUG										
08...	<.020	<.050	<.010	<.010	--	--	--	10	<1	<2.0

DATE	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)
OCT										
27...	22	<1	E11	<1.0	<.8	<1	<1	<10	<1	<3.9
JAN										
27...	17	<1	<16	<1.0	<.8	<1	<1	<10	<1	<3.9
JUN										
01...	9	<1	<16	<1.0	<.8	<1	3	10	<1	<3.9
AUG										
08...	11	<1	E8	<1.0	<.8	<1	<1	<10	<1	E2.9

E Estimated.

06205450 CLARKS FORK YELLOWSTONE RIVER AT MONTANA-WYOMING STATE LINE, NEAR COOKE CITY, MT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)
OCT										
27...	2	<.2	<1	<1	<2.4	<1	57.5	<10	1	<1
JAN										
27...	1	<.2	<1	<1	<2.4	<1	47.0	<10	5	<1
JUN										
01...	2	<.2	<1	<1	<2.4	<1	23.4	<10	<3	<1
AUG										
08...	<1	<.2	<1	<1	<2.4	<1	27.7	<10	6	<1

06207500 CLARKS FORK YELLOWSTONE RIVER NEAR BELFRY, MT

LOCATION.--Lat 45°00'37", long 109°03'53", in NW$^1/_4$SW$^1/_4$NW$^1/_4$ sec.32, T.9 S., R.22 E., Carbon County, Hydrologic Unit 10070006, on left bank 0.2 mi upstream from county road bridge and Big Sand Coulee, 0.8 mi north of Wyoming-Montana State line, 9.5 mi southwest of Belfry, and at river mile 71.2.

DRAINAGE AREA.--1,154 mi^2.

PERIOD OF RECORD.--July 1921 to current year. Monthly discharge only for some periods, published in WSP 1309. Published as Clarks Fork at Chance prior to October 1956 and as Clarks Fork Yellowstone River at Chance October 1956 to September 1968.

REVISED RECORDS.--WSP 1309: 1922 (M). WSP 1729: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 3,986.24 ft above sea level (levels by U.S. Army Corps of Engineers). Prior to Nov. 15, 1934, nonrecording gage, and Nov. 15, 1934, to July 26, 1951, water-stage recorder at bridge 0.4 mi downstream of different datum. July 27, 1951 to Sept. 30, 1953, water-stage recorder at present site at datum 0.98 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Diversions for irrigation of about 11,100 acres upstream from station. U. S. Geological Survey satellite telemeter at station. Station operated and record provided by the Montana Distrct.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	184	156	327	292	252	246	254	1090	4120	2550	472	150
2	185	152	328	274	289	243	263	1530	3670	2650	451	145
3	185	144	321	251	e280	242	263	1830	4040	2580	439	142
4	177	150	e290	229	249	237	246	2240	4490	2370	427	140
5	175	159	e240	275	253	243	291	2240	4820	2020	490	131
6	178	151	e240	266	266	254	374	2040	5100	1740	508	109
7	178	152	e230	254	262	268	347	1640	5410	1610	452	104
8	179	147	e230	229	270	279	294	1370	5560	1610	408	104
9	173	163	e240	250	272	260	294	1180	4990	1600	370	98
10	169	206	e260	280	e230	258	330	1110	4270	1600	343	93
11	167	202	293	e260	e240	260	314	961	3490	1520	317	95
12	164	203	291	e250	254	252	375	805	3190	1430	290	98
13	164	200	e290	260	246	241	443	671	3550	1370	271	92
14	161	197	e270	294	256	247	590	582	3040	1290	253	87
15	163	202	265	327	265	244	522	550	2990	1210	240	86
16	174	199	313	314	258	228	449	599	3420	1160	231	81
17	166	211	330	317	259	234	458	1380	2850	1130	218	67
18	162	215	318	299	244	246	474	1490	2330	1140	207	72
19	164	218	e290	295	233	233	478	1470	2550	1200	205	71
20	151	204	294	293	262	242	450	1770	3080	1070	202	73
21	150	215	312	300	278	216	534	2040	2550	966	187	74
22	148	195	320	290	275	231	788	2600	2380	872	173	85
23	150	176	322	281	268	242	911	3580	2590	802	164	110
24	146	166	314	261	264	255	834	4070	2980	748	156	118
25	142	255	312	273	270	258	689	4700	3320	707	150	121
26	140	320	300	280	249	252	578	4830	3180	665	135	137
27	144	340	300	280	247	270	516	4480	2910	611	136	120
28	140	329	305	e240	256	283	695	4810	2570	567	148	111
29	138	322	299	e220	251	311	1200	5970	2450	532	140	108
30	141	314	290	e200	---	286	1060	5410	2440	513	135	106
31	143	---	285	e210	---	266	---	4820	---	482	142	---
TOTAL	5001	6263	9019	8344	7498	7827	15314	73858	104330	40315	8460	3128
MEAN	161	209	291	269	259	252	510	2383	3478	1300	273	104
MAX	185	340	330	327	289	311	1200	5970	5560	2650	508	150
MIN	138	144	230	200	230	216	246	550	2330	482	135	67
AC-FT	9920	12420	17890	16550	14870	15520	30380	146500	206900	79960	16780	6200

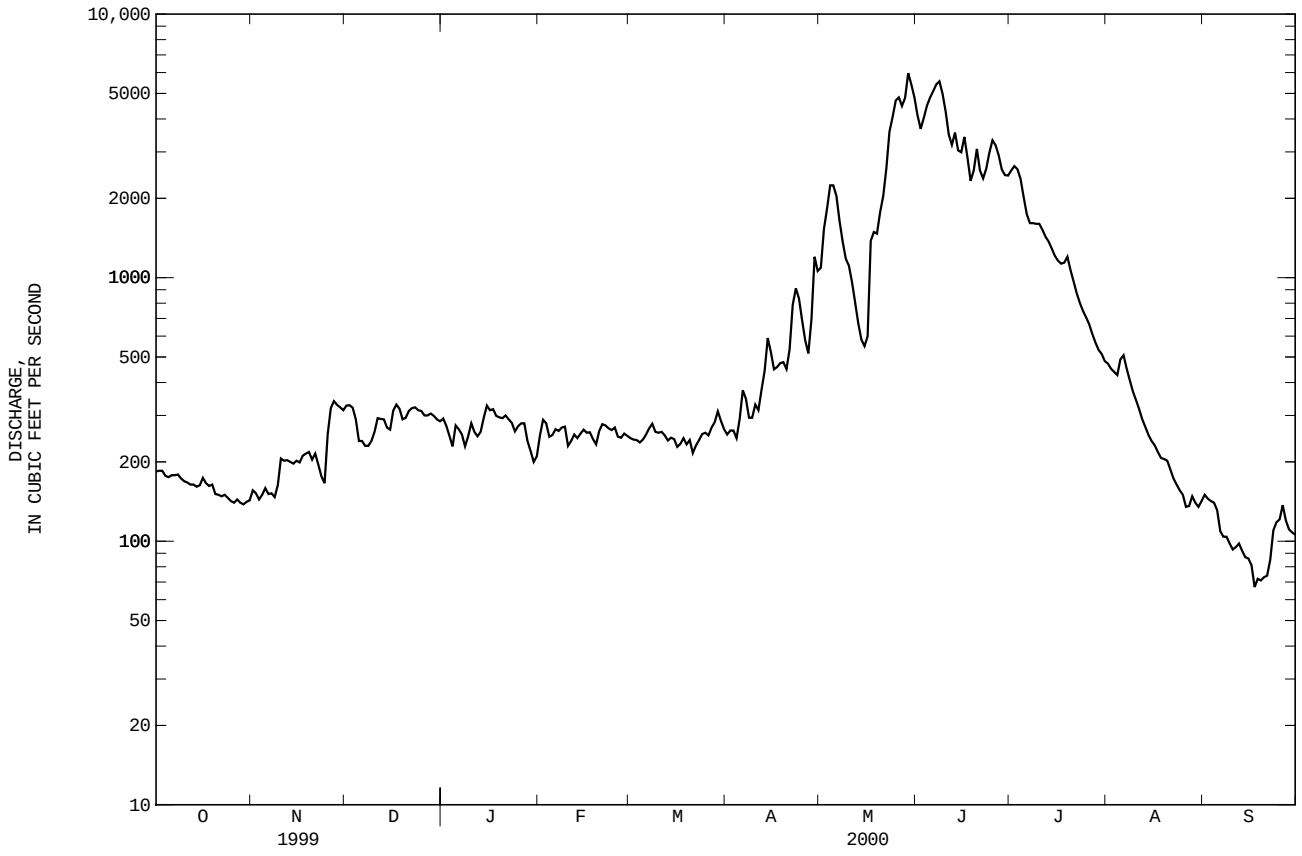
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2000, BY WATER YEAR (WY)

MEAN	284	297	264	232	223	222	428	2039	4117	2217	626	320
MAX	725	648	379	359	329	364	1167	5704	7225	5744	1453	834
(WY)	1931	1928	1951	1997	1963	1972	1943	1928	1997	1975	1951	1941
MIN	45.5	115	110	110	100	96.3	110	839	1607	349	66.5	50.1
(WY)	1989	1989	1922	1922	1922	1922	1961	1968	1987	1988	1988	1988

06207500 CLARKS FORK YELLOWSTONE RIVER NEAR BELFRY, MT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1921 - 2000	
ANNUAL TOTAL	368339		289357		--	
ANNUAL MEAN	1009		791		940	
HIGHEST ANNUAL MEAN	--		--		1485	1997
LOWEST ANNUAL MEAN	--		--		547	1977
HIGHEST DAILY MEAN	7640	Jun 22	5970	May 29	12300	Jun 9 1981
LOWEST DAILY MEAN	138	Oct 29	67	Sep 17	33	Apr 26 1961
ANNUAL SEVEN-DAY MINIMUM	141	Oct 25	75	Sep 16	37	Oct 8 1988
INSTANTANEOUS PEAK FLOW	--		6550	May 29	14800	Jun 9 1981
INSTANTANEOUS PEAK STAGE	--		6.62	May 29	9.97	Jun 9 1981
ANNUAL RUNOFF (AC-FT)	730600		573900		681300	
10 PERCENT EXCEEDS	3380		2560		2890	
50 PERCENT EXCEEDS	290		272		302	
90 PERCENT EXCEEDS	175		142		170	

e Estimated.



06220800 WIND RIVER ABOVE RED CREEK, NEAR DUBOIS, WY

LOCATION.--Lat 43°26'30", long 109°27'29", in NW$^1/_4$ SW$^1/_4$ NW$^1/_4$ sec.3, T.5 N., R.6 W., Fremont County, Hydrologic Unit 10080001, Wind River Indian Reservation, 400 ft downstream from East Fork Wind River and 12.1 mi southeast of Dubois.

DRAINAGE AREA.--1,073 mi^2.

PERIOD OF RECORD.--October 1990 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,400 ft above sea level, from topographic map.

REMARKS.--Records good. Diversions for irrigation of about 15,000 acres upstream from station. Data collection platform with satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 25	0300	3,690	6.58
May 29	0130	*3,750	*6.62

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	375	281	240	201	196	204	214	768	2190	1100	417	313
2	372	218	215	193	206	204	226	1150	2060	1090	404	339
3	363	263	217	173	204	199	205	1280	2240	1040	411	324
4	348	283	197	164	205	214	244	1580	2410	972	421	295
5	339	291	166	184	206	217	347	1610	2470	861	450	273
6	339	276	184	199	210	248	345	1310	2390	852	445	258
7	339	263	e175	199	209	233	263	1100	2470	796	427	254
8	330	279	165	196	204	220	249	969	2450	778	406	248
9	327	269	139	207	215	218	316	844	2270	753	390	239
10	322	244	164	207	211	212	323	758	1800	757	376	233
11	317	256	187	209	210	192	339	648	1490	795	381	232
12	313	261	206	200	214	191	426	557	1520	757	354	231
13	305	254	222	195	209	196	542	505	1610	722	332	224
14	302	245	226	205	212	209	570	499	1340	694	317	226
15	301	224	192	205	208	208	422	487	1510	666	306	222
16	299	243	216	206	194	183	381	598	1390	641	299	218
17	264	249	224	212	219	215	356	789	1130	657	285	216
18	321	265	219	211	208	191	376	699	1050	706	296	225
19	292	197	213	213	181	205	383	827	1370	660	309	230
20	299	235	210	209	193	195	386	1070	1250	620	299	249
21	302	216	218	217	220	178	470	1360	1020	583	292	254
22	298	197	215	210	223	200	611	1760	1090	548	284	313
23	291	143	210	208	206	218	543	2490	1210	519	279	338
24	285	134	207	214	219	220	497	2830	1330	485	265	338
25	293	172	203	216	207	206	410	2980	1320	458	256	382
26	288	234	195	210	189	244	409	2500	1120	453	257	359
27	291	247	196	199	217	233	443	2180	1160	467	267	344
28	288	228	206	197	218	270	733	2550	1060	468	260	330
29	288	225	200	184	202	239	878	3020	1060	446	255	320
30	265	248	197	185	---	212	641	2780	1070	434	259	315
31	297	---	199	196	---	207	---	2560	---	427	306	---
TOTAL	9653	7140	6223	6224	6015	6581	12548	45058	47850	21205	10305	8342
MEAN	311	238	201	201	207	212	418	1453	1595	684	332	278
MAX	375	291	240	217	223	270	878	3020	2470	1100	450	382
MIN	264	134	139	164	181	178	205	487	1020	427	255	216
AC-FT	19150	14160	12340	12350	11930	13050	24890	89370	94910	42060	20440	16550

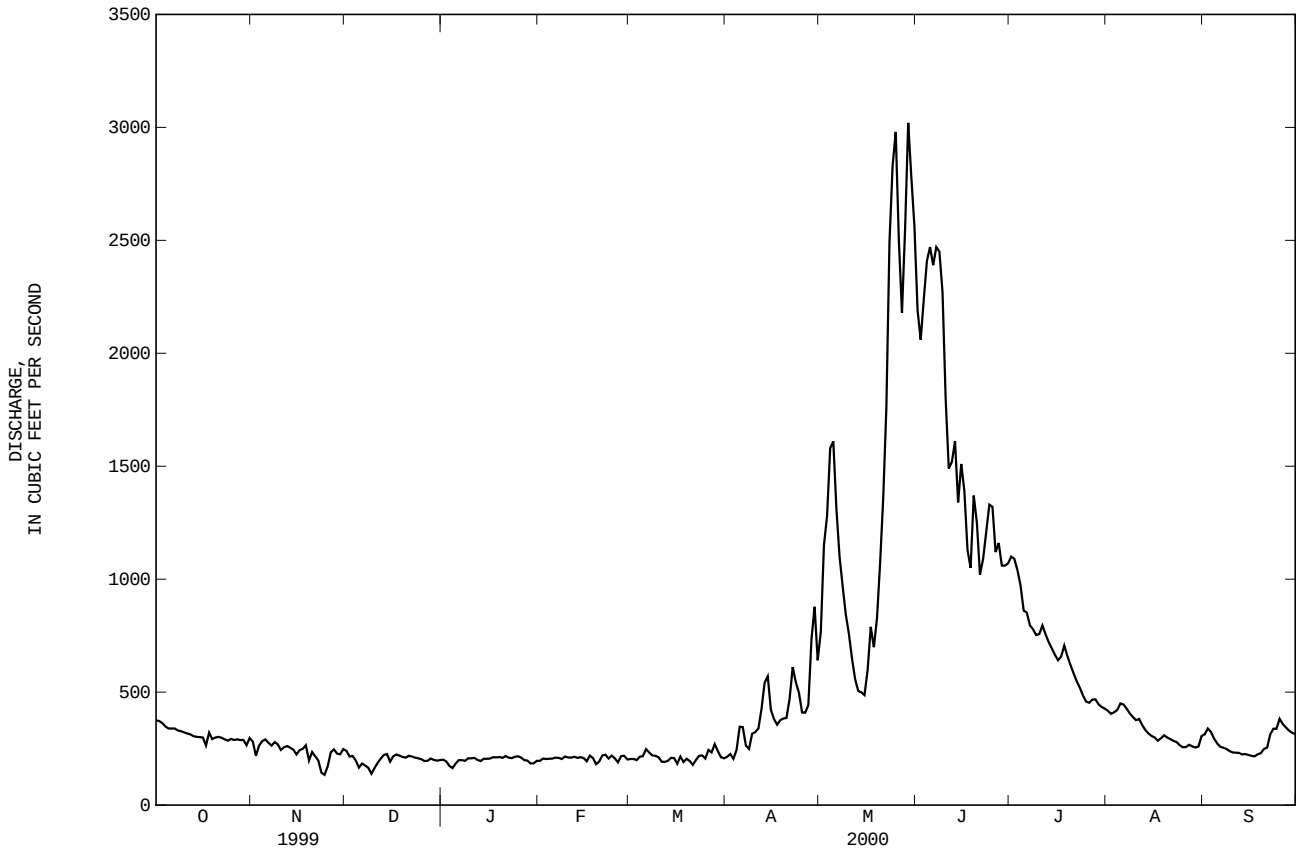
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2000, BY WATER YEAR (WY)

MEAN	319	247	198	187	184	207	327	1384	2744	1472	626	411
MAX	421	303	242	222	218	246	429	2121	4559	2473	1020	663
(WY)	1998	1999	1998	1998	1999	1999	1994	1997	1997	1995	1997	1997
MIN	244	171	146	122	144	178	213	621	892	386	332	246
(WY)	1993	1993	1993	1993	1993	1995	1995	1995	1994	1994	2000	1994

06220800 WIND RIVER ABOVE RED CREEK, NEAR DUBOIS, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1991 - 2000	
ANNUAL TOTAL	307847		187144		--	
ANNUAL MEAN	843		511		693	
HIGHEST ANNUAL MEAN	--		--		982	1997
LOWEST ANNUAL MEAN	--		--		410	1994
HIGHEST DAILY MEAN	5910	Jun 19	3020	May 29	8770	Jun 9 1997
LOWEST DAILY MEAN	134	Nov 24	134	Nov 24	90	Jan 13 1993
ANNUAL SEVEN-DAY MINIMUM	169	Dec 5	169	Dec 5	96	Jan 9 1993
INSTANTANEOUS PEAK FLOW	--		3750	May 29	11300	Jun 9 1997
INSTANTANEOUS PEAK STAGE	--		6.62	May 29	9.97	Jun 9 1997
ANNUAL RUNOFF (AC-FT)	610600		371200		502300	
10 PERCENT EXCEEDS	2740		1180		1850	
50 PERCENT EXCEEDS	317		282		289	
90 PERCENT EXCEEDS	204		197		170	

e Estimated.



06221400 DINWOODY CREEK ABOVE LAKES, NEAR BURRIS, WY

LOCATION.--Lat 43°20'44", long 109°24'34", in SE$^1/_4$ SE$^1/_4$ sec.1, T.4 N., R.6 W., Fremont County, Hydrologic Unit 10080001, Wind River Indian Reservation, on left bank 0.5 mi upstream from Upper Dinwoody Lake, 7.0 mi west of Burris, and 17 mi southeast of Dubois.

DRAINAGE AREA.--88.2 mi^2.

PERIOD OF RECORD.--October 1957 to September 1978, October 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,500 ft above sea level, from topographic map.

REMARKS.--Records are fair except those for estimated daily discharges, which are poor. No diversion upstream from station. U.S. Geological Survey data collection platform with satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 24	0900	*527	3.61

No peaks above base discharge.

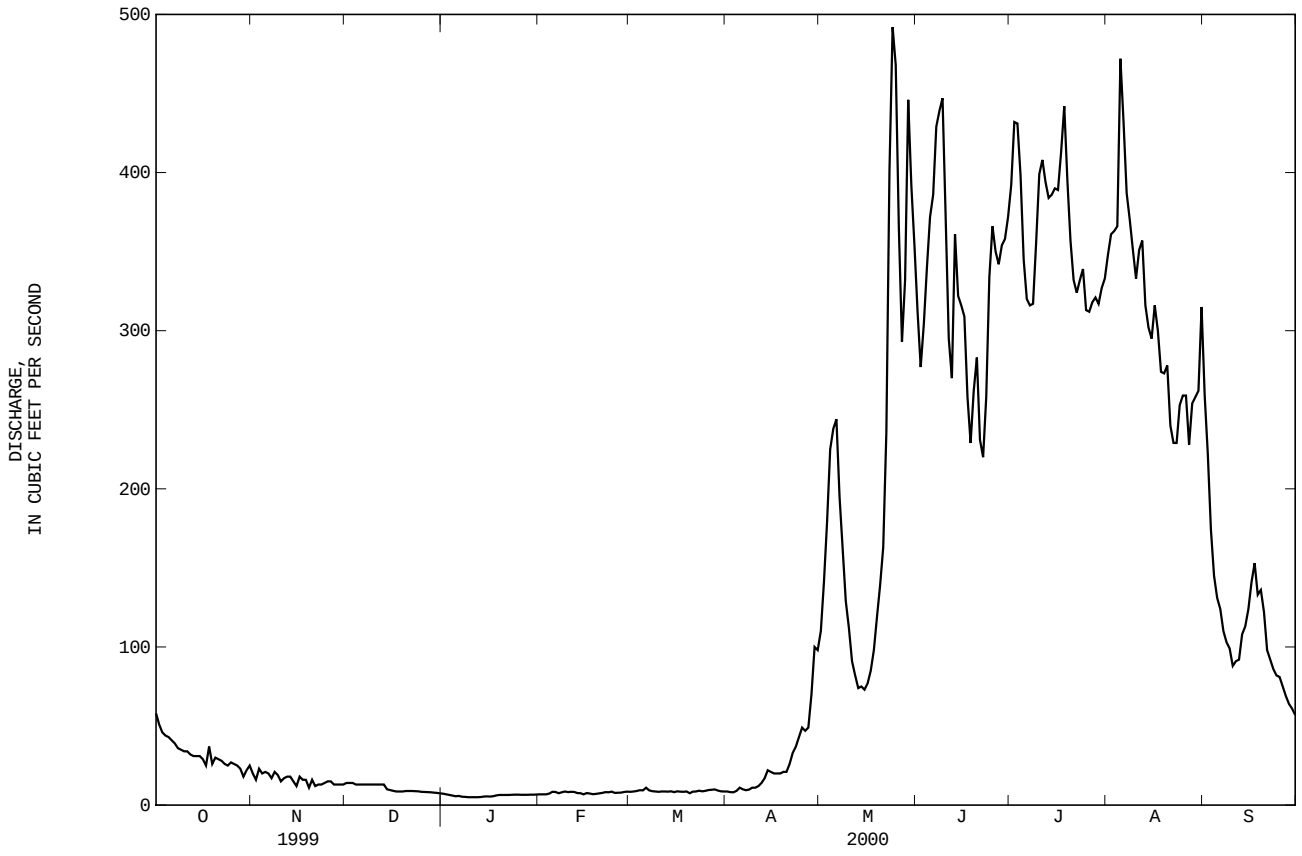
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	20	14	7.2	e6.8	8.4	8.6	110	312	392	348	259
2	51	16	14	e6.8	6.8	8.6	8.2	141	277	432	361	222
3	46	23	14	e6.4	6.8	8.9	8.1	179	304	431	363	174
4	44	20	e13	e6.0	7.3	9.4	9.0	225	340	398	366	145
5	43	21	e13	5.6	8.4	9.3	11	238	372	345	472	131
6	41	20	13	5.8	8.3	11	10	244	386	320	432	124
7	39	17	13	5.3	7.5	9.3	9.4	195	429	316	387	110
8	36	21	e13	5.2	8.1	8.8	9.8	162	439	317	370	103
9	35	19	e13	5.0	8.6	8.6	11	129	447	356	351	99
10	34	15	e13	5.0	8.2	8.4	11	112	372	399	333	88
11	34	17	e13	5.0	8.4	8.6	12	91	295	408	351	91
12	32	18	e13	5.0	8.3	8.6	14	82	270	394	357	92
13	31	18	13	5.1	7.6	8.5	17	74	361	384	316	108
14	31	15	e10	5.4	7.5	8.7	22	75	322	386	302	113
15	31	12	e9.5	5.5	e6.8	8.2	21	73	316	390	295	124
16	29	18	e9.0	5.4	7.6	8.7	20	77	309	389	316	141
17	25	16	8.6	5.6	7.3	8.5	20	85	258	413	300	153
18	37	16	8.6	6.1	6.9	8.4	20	98	229	442	274	133
19	26	11	8.6	6.4	e7.1	8.6	21	119	262	395	273	136
20	30	16	8.9	6.4	e7.4	7.5	21	139	283	357	278	122
21	29	12	8.9	6.4	7.7	8.5	26	163	231	332	240	98
22	28	13	8.9	e6.4	8.2	8.6	33	236	220	324	229	92
23	26	e13	8.8	e6.5	8.1	9.1	37	401	258	332	229	86
24	25	e14	8.7	6.6	8.5	8.7	43	492	334	339	253	82
25	27	e15	8.4	6.6	7.7	9.0	49	468	366	313	259	81
26	26	15	e8.3	6.5	e7.8	9.5	47	365	350	312	259	75
27	25	13	e8.2	e6.5	7.9	9.7	49	293	342	318	228	69
28	23	13	8.1	e6.5	8.3	9.9	70	332	354	321	254	64
29	18	13	e7.9	e6.6	8.5	9.2	100	446	358	317	258	61
30	22	13	7.7	e6.6	---	8.7	98	392	372	327	262	57
31	25	---	7.4	e6.7	---	8.6	---	354	---	333	315	---
TOTAL	1007	483	326.5	186.1	224.4	274.5	836.1	6590	9768	11232	9631	3433
MEAN	32.5	16.1	10.5	6.00	7.74	8.85	27.9	213	326	362	311	114
MAX	58	23	14	7.2	8.6	11	100	492	447	442	472	259
MIN	18	11	7.4	5.0	6.8	7.5	8.1	73	220	312	228	57
AC-FT	2000	958	648	369	445	544	1660	13070	19370	22280	19100	6810
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2000, BY WATER YEAR (WY)												
MEAN	42.6	20.5	12.6	8.69	7.68	8.58	20.0	165	459	482	320	137
MAX	72.5	40.6	22.8	19.2	12.5	13.6	60.3	299	739	794	406	250
(WY)	1968	1974	1974	1962	1962	1972	1962	1958	1971	1975	1971	1973
MIN	22.8	9.74	3.79	1.53	2.12	2.31	8.48	71.1	261	280	245	59.2
(WY)	1989	1977	1977	1977	1977	1977	1970	1959	1992	1992	1989	1964

06221400 DINWOODY CREEK ABOVE LAKES, NEAR BURRIS, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1958 - 2000	
ANNUAL TOTAL	63746.5		43991.6		--	
ANNUAL MEAN	175		120		141	
HIGHEST ANNUAL MEAN	--		--		179	1971
LOWEST ANNUAL MEAN	--		--		95.2	1992
HIGHEST DAILY MEAN	1170	Jun 22	492	May 24	1250	Jun 15 1995
LOWEST DAILY MEAN	7.4	Dec 31	5.0	Jan 9	1.0	Jan 9 1977
ANNUAL SEVEN-DAY MINIMUM	8.0	Dec 25	5.1	Jan 7	1.3	Jan 4 1977
INSTANTANEOUS PEAK FLOW	--		527	May 24	1510	Jul 13 1995
INSTANTANEOUS PEAK STAGE	--		3.61	May 24	4.50	Jul 13 1995
ANNUAL RUNOFF (AC-FT)	126400		87260		102200	
10 PERCENT EXCEEDS	515		359		439	
50 PERCENT EXCEEDS	28		26		28	
90 PERCENT EXCEEDS	11		7.2		7.1	

e Estimated.



06222500 DRY CREEK NEAR BURRIS, WY

LOCATION.--Lat 43°20'11", long 109°17'55", in NW$^1/_4$ NE$^1/_4$ SW$^1/_4$ sec. 12, T.4 N., R.5 W., Fremont County, Hydrologic Unit 10080001, Wind River Indian Reservation, on left bank 0.9 mi upstream from Dry Creek Canal headgate and 2.4 mi southwest of Burris.

DRAINAGE AREA.--57 mi^2.

PERIOD OF RECORD.--June 1921 to September 1940, October 1988 to current year (no winter records since 1995). Published as "near Lenore" 1921 to 1924.

GAGE.--Water-stage recorder. Elevation of gage is 6,430 ft above sea level, from topographic map. Prior to Nov. 5, 1934, at site 50 ft downstream at datum 4.07 ft higher. Nov. 5, 1934 to September 1940, at site 5 ft downstream at datum 3.00 ft higher.

REMARKS.-- Records fair except those for estimated daily discharges, which are poor. Adjudicated diversion upstream for irrigation of 267 acres. U.S. Geological Survey data collection platform with satellite telemetry at station. Result of discharge measurement, in cubic feet per second, made during the period when the station was not in operation, is given below:

Oct. 8 . . . 17.6

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e2.3	86	151	104	48	26
2	---	---	---	---	---	---	e2.4	110	138	114	48	28
3	---	---	---	---	---	---	e2.4	123	137	115	48	27
4	---	---	---	---	---	---	e2.5	138	144	109	49	30
5	---	---	---	---	---	---	e2.8	144	148	99	62	30
6	---	---	---	---	---	---	e3.0	147	152	93	72	27
7	---	---	---	---	---	---	e4.0	135	146	87	67	25
8	---	---	---	---	---	---	e5.0	129	143	85	62	23
9	---	---	---	---	---	---	e6.0	119	149	84	57	21
10	---	---	---	---	---	---	e7.0	111	148	86	e54	18
11	---	---	---	---	---	---	e8.0	101	138	90	50	17
12	---	---	---	---	---	---	e9.0	92	131	90	48	15
13	---	---	---	---	---	---	e9.0	84	133	88	44	15
14	---	---	---	---	---	---	e10	83	131	87	40	14
15	---	---	---	---	---	---	11	83	132	86	34	13
16	---	---	---	---	---	---	12	83	135	82	32	13
17	---	---	---	---	---	---	11	92	126	80	31	13
18	---	---	---	---	---	---	13	94	116	82	32	13
19	---	---	---	---	---	---	14	108	116	81	32	14
20	---	---	---	---	---	---	14	112	116	79	31	13
21	---	---	---	---	---	---	17	113	105	76	29	12
22	---	---	---	---	---	---	20	127	98	74	28	14
23	---	---	---	---	---	---	22	166	101	68	25	14
24	---	---	---	---	---	---	25	202	105	63	21	14
25	---	---	---	---	---	---	25	184	100	56	19	14
26	---	---	---	---	---	---	26	156	100	51	20	13
27	---	---	---	---	---	---	32	156	100	54	20	12
28	---	---	---	---	---	---	50	163	104	57	19	12
29	---	---	---	---	---	---	71	167	102	55	19	11
30	---	---	---	---	---	---	76	168	101	52	19	11
31	---	---	---	---	---	---	---	159	---	50	24	---
TOTAL	---	---	---	---	---	---	512.4	3935	3746	2477	1184	522
MEAN	---	---	---	---	---	---	17.1	127	125	79.9	38.2	17.4
MAX	---	---	---	---	---	---	76	202	152	115	72	30
MIN	---	---	---	---	---	---	2.3	83	98	50	19	11
AC-FT	---	---	---	---	---	---	1020	7810	7430	4910	2350	1040

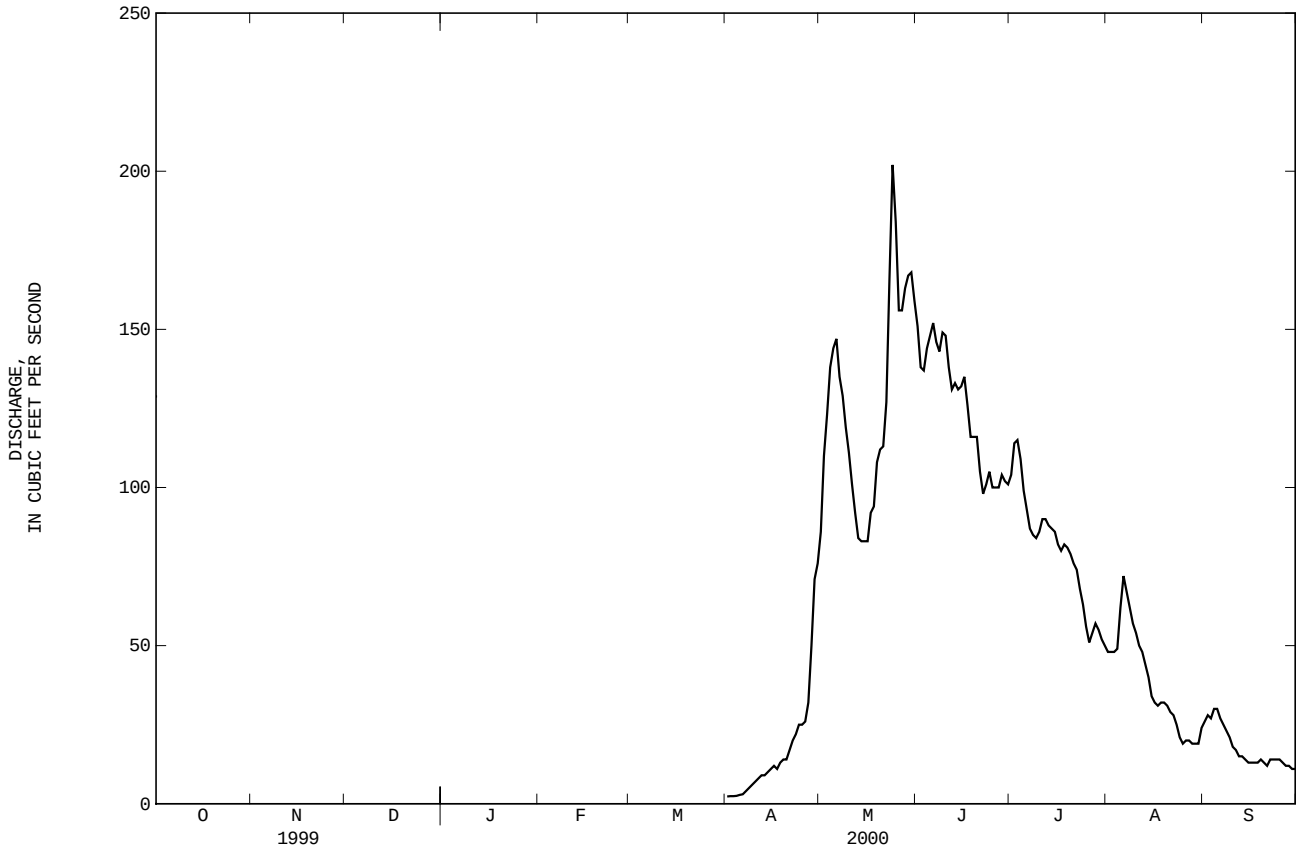
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2000, BY WATER YEAR (WY)

MEAN	17.3	10.3	5.97	4.10	2.71	2.91	9.13	87.5	206	125	58.9	31.7
MAX	50.0	25.4	15.0	10.0	7.00	10.0	25.7	162	525	328	164	64.6
(WY)	1924	1928	1926	1926	1923	1923	1926	1924	1921	1995	1930	1927
MIN	5.16	1.76	.55	.30	.20	.000	.88	29.5	51.4	33.8	18.8	12.2
(WY)	1934	1934	1934	1934	1934	1934	1940	1935	1934	1940	1940	1934

06222500 DRY CREEK NEAR BURRIS, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1921 - 2000*	
ANNUAL MEAN	--		44.6	
HIGHEST ANNUAL MEAN	--		73.0	1995
LOWEST ANNUAL MEAN	--		20.1	1940
HIGHEST DAILY MEAN	202	May 24	1240	Jun 7 1921
LOWEST DAILY MEAN	2.3	Apr 1	.00	Mar 1 to Apr 11 1934
INSTANTANEOUS PEAK FLOW	248	May 24	1400[a]	Jun 12 1921
INSTANTANEOUS PEAK STAGE	4.40	May 24	5.95[b]	Jun 17 1999

* During period of operation.
a Gage height, 3.9 ft, from floodmarks, site and datum then in use, from rating curve extended above 580 ft^3/s.
b From floodmarks.
e Estimated.



06223500 WILLOW CREEK NEAR CROWHEART, WY

LOCATION.--Lat 43°17'00", long 109°11'08", in SE$^1/_4$ NW$^1/_4$ NW$^1/_4$ sec.36, T.4 N., R.4 W., Fremont County, Hydrologic Unit 10080002, Wind River Indian Reservation, on left bank 1000 ft upstream from Willow Creek Canal diversion and 2.0 mi south of Crowheart.

DRAINAGE AREA.--55.4 mi^2.

PERIOD OF RECORD.--June to October 1909 (published as "J. K. Ranch Post Office"), June 1921 to September 1922 (published as "near Lenore"), May and June 1923, May 1925 to September 1940, October 1988 to current year (no winter record since 1995).

REVISED RECORDS.--WSP 1309: 1939 (M).

GAGE.--Water-stage recorder. Elevation of gage is 6,080 ft above sea level, from topographic map. May 17 to October 31, 1909, nonrecording gage 1.9 mi downstream at different datum, May 16, 1921 to Aug. 24, 1923, nonrecording gage 200 ft upstream at different datum, and May 1925 to September 1940, water-stage recorder 600 ft downstream at different datum.

REMARKS.--Records fair. Diversions for irrigation of 60.1 acres upstream from station. Result of discharge measurement, in cubic feet per second, made during the period station was not in operation, is given below:

Oct. 13 . . . 9.98

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	7.0	9.3	48	15	8.2	7.0
2	---	---	---	---	---	---	6.9	9.3	40	18	8.1	7.1
3	---	---	---	---	---	---	7.0	10	48	16	8.0	6.9
4	---	---	---	---	---	---	7.0	18	50	14	7.9	6.6
5	---	---	---	---	---	---	6.9	27	50	13	8.0	6.5
6	---	---	---	---	---	---	6.7	30	45	13	7.7	6.4
7	---	---	---	---	---	---	6.7	21	48	12	7.5	6.6
8	---	---	---	---	---	---	6.6	18	43	12	7.4	6.6
9	---	---	---	---	---	---	6.6	14	42	12	7.5	6.5
10	---	---	---	---	---	---	6.7	13	28	12	7.5	6.5
11	---	---	---	---	---	---	6.7	12	23	12	7.4	6.4
12	---	---	---	---	---	---	6.9	11	25	12	7.4	6.3
13	---	---	---	---	---	---	6.9	11	26	10	7.2	6.2
14	---	---	---	---	---	---	7.1	11	22	9.9	7.1	6.2
15	---	---	---	---	---	---	7.5	10	29	9.8	7.2	6.1
16	---	---	---	---	---	---	7.5	10	28	9.6	7.1	6.0
17	---	---	---	---	---	---	7.5	13	23	9.7	7.0	6.2
18	---	---	---	---	---	---	7.8	12	19	9.8	7.2	6.2
19	---	---	---	---	---	---	8.3	11	22	9.4	7.0	6.3
20	---	---	---	---	---	---	8.4	17	22	9.3	6.9	6.6
21	---	---	---	---	---	---	8.3	21	18	9.3	6.9	6.8
22	---	---	---	---	---	---	8.0	36	18	9.0	6.8	7.5
23	---	---	---	---	---	---	8.1	70	20	8.4	6.7	7.4
24	---	---	---	---	---	---	8.0	108	21	8.1	6.7	7.3
25	---	---	---	---	---	---	8.2	82	20	8.0	6.7	7.2
26	---	---	---	---	---	---	8.3	60	17	8.3	6.9	6.9
27	---	---	---	---	---	---	8.2	54	20	9.0	6.7	6.8
28	---	---	---	---	---	---	8.3	73	19	8.7	6.5	6.7
29	---	---	---	---	---	---	8.9	82	17	8.5	6.5	6.7
30	---	---	---	---	---	---	9.3	67	16	8.4	6.7	6.7
31	---	---	---	---	---	---	---	60	---	8.2	7.3	---
TOTAL	---	---	---	---	---	---	226.3	1000.6	867	332.4	223.7	199.2
MEAN	---	---	---	---	---	---	7.54	32.3	28.9	10.7	7.22	6.64
MAX	---	---	---	---	---	---	9.3	108	50	18	8.2	7.5
MIN	---	---	---	---	---	---	6.6	9.3	16	8.0	6.5	6.0
AC-FT	---	---	---	---	---	---	449	1980	1720	659	444	395

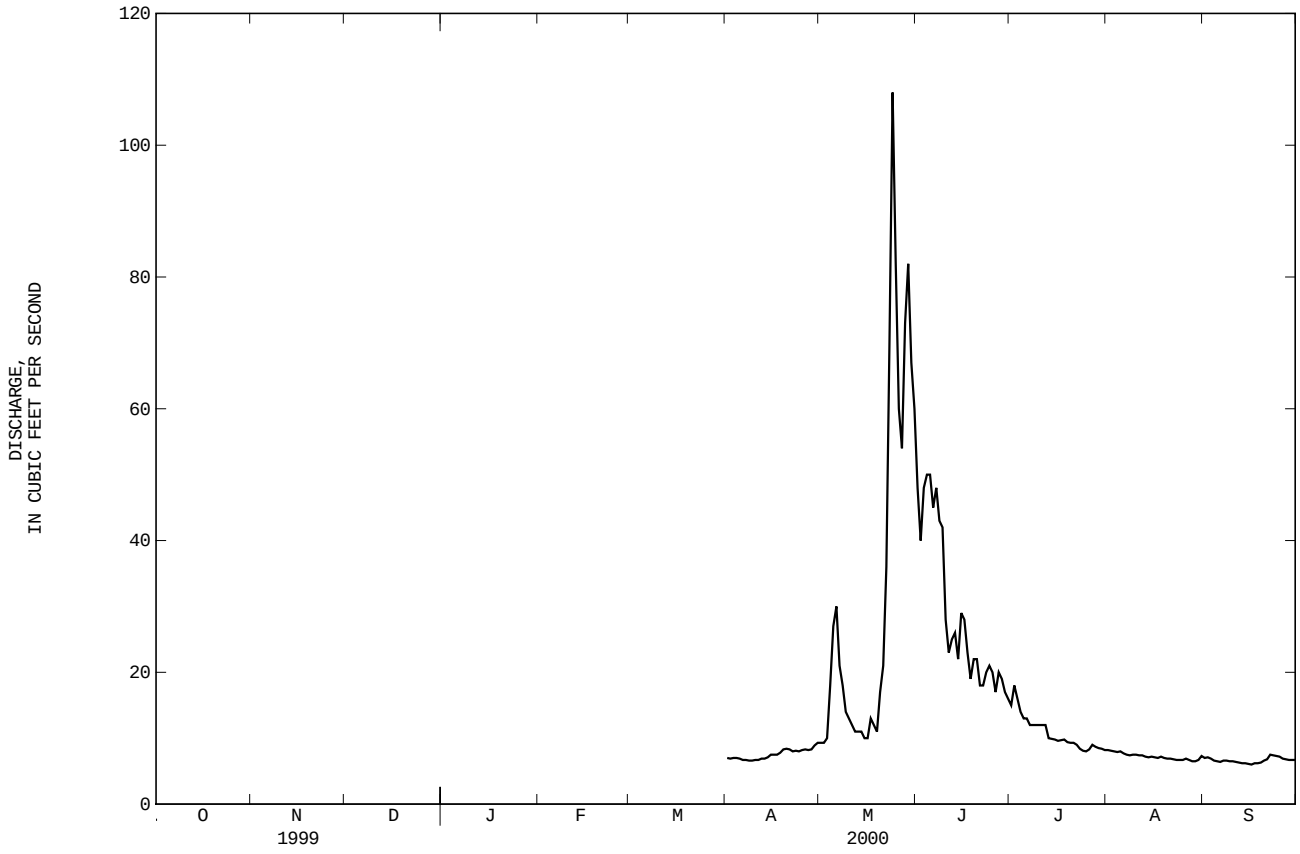
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2000, BY WATER YEAR (WY)

MEAN	9.03	7.53	6.15	5.25	4.76	4.96	6.53	30.8	84.3	31.4	12.9	9.28
MAX	17.6	13.3	10.0	8.00	7.00	8.00	9.40	79.6	242	112	45.4	21.9
(WY)	1931	1927	1927	1927	1922	1922	1999	1999	1999	1995	1930	1930
MIN	5.15	2.50	2.00	2.00	2.00	2.50	3.97	6.85	9.71	5.68	3.50	4.67
(WY)	1989	1940	1940	1940	1940	1940	1940	1935	1934	1940	1940	1935

06223500 WILLOW CREEK NEAR CROWHEART, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1922 - 2000*	
ANNUAL MEAN	--		16.5	
HIGHEST ANNUAL MEAN	--		31.0	1995
LOWEST ANNUAL MEAN	--		4.60	1940
HIGHEST DAILY MEAN	108	May 24	468	Jun 12 1991
LOWEST DAILY MEAN	6.0	Sep 16	2[a]0	Dec 1 1939
INSTANTANEOUS PEAK FLOW	141	May 24	1100[b]	May 31 1939
INSTANTANEOUS PEAK STAGE	3.20	May 24	5.40[b]	May 31 1939
ANNUAL RUNOFF (AC-FT)	--		11930	

* During period of operation.
a On basis of flow-over-dam measurement of peak flow.
b Site and datum then in use.
e Estimated.



06224000 BULL LAKE CREEK ABOVE BULL LAKE, WY

LOCATION.--Lat 43°10'37", long 109°12'08", in NE$^1/_4$ SW$^1/_4$ sec.2, T.2 N., R.4 W., Fremont County, Hydrologic Unit 10080001, Wind River Indian Reservation, on right bank 1.2 mi upstream from high-water line of Bull Lake and 9.0 mi south of Crowheart.

DRAINAGE AREA.--187 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1941 to December 1953, October 1966 to current year. Monthly discharge only for some periods, published in WSP 1309. Prior to October 1950, published as "above Bull Lake Reservoir."

GAGE.--Water-stage recorder. Elevation of gage is 5,874 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. No diversions upstream from station. U.S. Geological Survey data collection platform with satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 25	0800	*1,340	*4.80

No peak greater than base discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

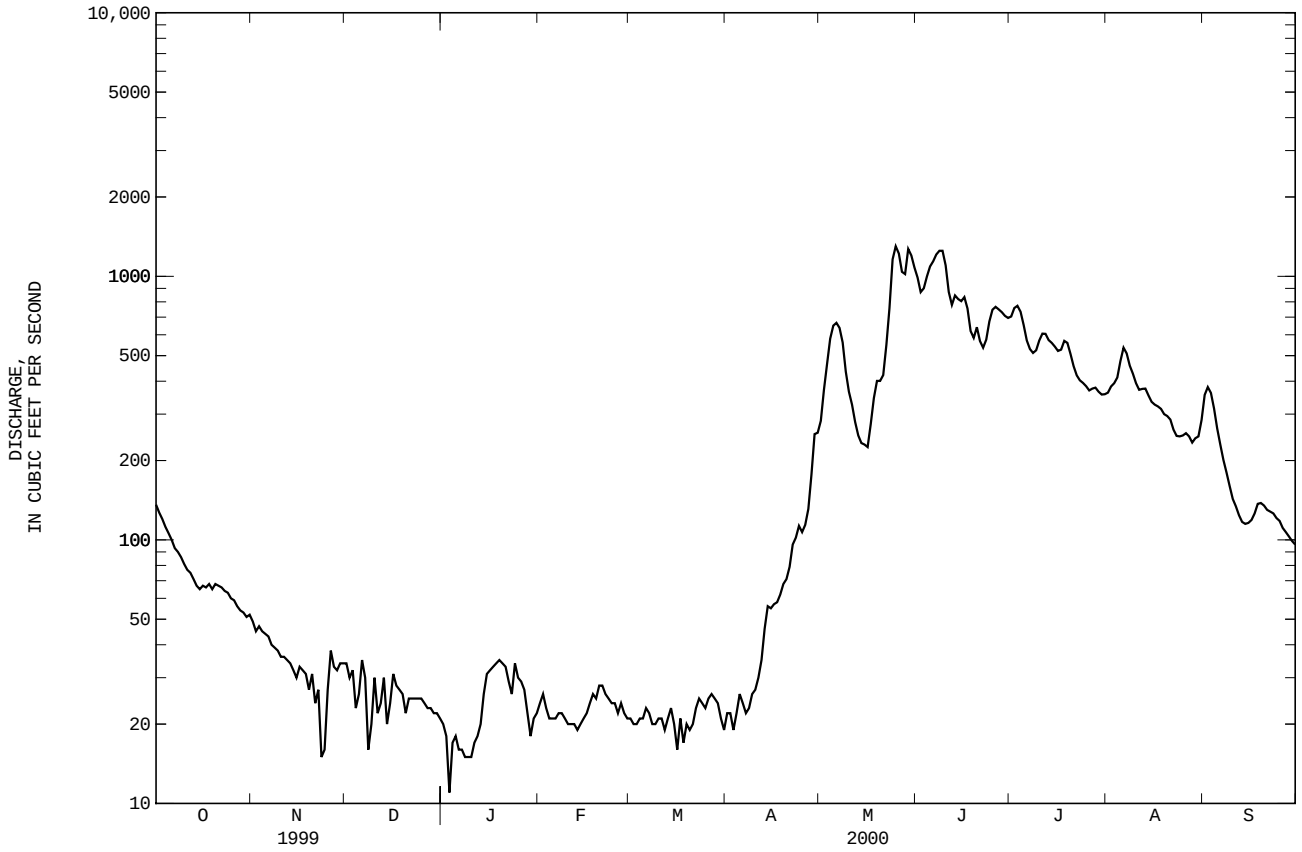
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	136	49	34	20	24	21	22	283	989	704	362	355
2	127	45	30	18	26	20	22	371	871	758	382	380
3	120	47	32	11	23	20	19	465	901	773	393	361
4	112	45	23	17	21	21	22	580	999	734	413	315
5	106	44	26	18	21	21	26	650	1090	653	477	265
6	100	43	35	16	21	23	24	666	1140	571	536	230
7	93	40	30	16	22	22	22	637	1210	530	510	201
8	90	39	16	15	22	20	23	561	1250	512	458	180
9	86	38	20	15	21	20	26	435	1250	524	427	160
10	81	36	30	15	20	21	27	365	1100	571	393	143
11	77	36	22	17	20	21	30	326	872	606	371	134
12	75	35	24	18	20	19	35	280	779	605	374	124
13	71	34	30	20	19	21	46	249	846	573	375	117
14	67	32	20	26	20	23	56	233	820	559	353	115
15	65	30	24	31	21	20	55	230	805	541	334	116
16	67	33	31	32	22	16	57	225	834	521	326	119
17	66	32	28	33	24	21	58	275	755	527	321	126
18	68	31	27	34	26	17	62	345	620	569	314	137
19	65	27	26	35	25	20	68	401	584	559	300	138
20	68	31	22	34	28	19	71	401	641	508	295	135
21	67	24	25	33	28	20	79	422	568	456	286	130
22	66	27	25	29	26	23	96	549	536	421	262	128
23	64	15	25	26	25	25	102	757	575	403	248	126
24	63	16	25	34	24	24	113	1160	674	394	247	121
25	60	27	25	30	24	23	107	1300	747	383	249	118
26	59	38	24	29	22	25	114	1220	766	369	254	111
27	56	33	23	27	24	26	131	1040	749	375	247	107
28	54	32	23	22	22	25	177	1020	731	378	234	103
29	53	34	22	18	21	24	252	1270	708	365	243	99
30	51	34	22	21	---	21	255	1200	695	356	247	96
31	52	---	21	22	---	19	---	1080	---	357	285	---
TOTAL	2385	1027	790	732	662	661	2197	18996	25105	16155	10516	4990
MEAN	76.9	34.2	25.5	23.6	22.8	21.3	73.2	613	837	521	339	166
MAX	136	49	35	35	28	26	255	1300	1250	773	536	380
MIN	51	15	16	11	19	16	19	225	536	356	234	96
AC-FT	4730	2040	1570	1450	1310	1310	4360	37680	49800	32040	20860	9900

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2000, BY WATER YEAR (WY)

MEAN	99.6	55.6	37.6	29.0	25.3	27.0	67.1	470	1164	920	433	207
MAX	222	109	62.2	57.1	41.4	57.4	199	777	2104	1581	655	533
(WY)	1983	1951	1951	1997	1943	1986	1943	1969	1986	1975	1982	1973
MIN	32.9	29.5	14.6	7.29	6.88	6.69	24.9	170	560	337	145	109
(WY)	1989	1977	1977	1977	1977	1977	1970	1975	1992	1994	1985	1988

06224000 BULL LAKE CREEK ABOVE BULL LAKE, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1942 - 2000	
ANNUAL TOTAL	136421		84216		--	
ANNUAL MEAN	374		230		296	
HIGHEST ANNUAL MEAN	--		--		415	1986
LOWEST ANNUAL MEAN	--		--		174	1977
HIGHEST DAILY MEAN	2910	Jun 22	1300	May 25	3560	Jun 9 1981
LOWEST DAILY MEAN	15	Nov 23	11	Jan 3	6.2	Jan 9 1977
ANNUAL SEVEN-DAY MINIMUM	22	Jan 11	15	Jan 3	6.5	Mar 10 1977
INSTANTANEOUS PEAK FLOW	--		1340	May 25	4470	Jun 9 1981
INSTANTANEOUS PEAK STAGE	--		4.80	May 25	7.98	Jun 9 1981
ANNUAL RUNOFF (AC-FT)	270600		167000		214300	
10 PERCENT EXCEEDS	1170		680		915	
50 PERCENT EXCEEDS	66		66		76	
90 PERCENT EXCEEDS	26		20		23	



06224000 BULL LAKE CREEK ABOVE BULL LAKE, WY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1974 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
OCT					
06...	1130	98	51.0	18.0	8.00
NOV					
29...	1135	34	100	11.0	5.00
FEB					
18...	1145	29	94.0	2.00	1.00
APR					
11...	1130	35	98.7	9.00	2.00
MAY					
31...	1245	1100	26.0	22.0	10.5
JUN					
28...	0930	730	19.0	21.0	13.0
AUG					
08...	1210	460	19.4	25.0	21.5
SEP					
19...	1215	140	39.0	19.0	14.0

06224500 BULL LAKE NEAR LENORE, WY

LOCATION.--Lat 43°12'35", long 109°02'30", in $E^1/_2$ $NW^1/_4$ sec.30, T.3 N., R.2 W., Fremont County, Hydrologic Unit 10080001, Wind River Indian Reservation, at dam on Bull Lake Creek, 2.8 mi upstream from mouth of Bull Lake Creek, and 9.8 mi south of Lenore.

DRAINAGE AREA.--210 mi^2, of which 12 mi^2 probably is noncontributing.

PERIOD OF RECORD.--April 1938 to current year. Monthend contents only for some periods, published in WSP 1309. Published as Bull Lake Reservoir near Lenore 1938-50.

GAGE.--Water-stage recorder. Datum of gage is sea level (Bureau of Reclamation datum).

REMARKS.--Reservoir is formed by rockfill dam completed by Bureau of Reclamation July 22, 1938. Capacity, 152,500 acre-ft below elevation 5,805.00 ft, top of spillway gates. Dead storage, 722 acre-ft. Figures given herein represent total contents. Water is used for irrigation near Riverton. Bureau of Reclamation data collection platform with satellite telemetry at station.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily contents, 154,200 acre-ft, Aug. 10, 1965, elevation, 5,805.70 ft; minimum daily contents (since appreciable storage was attained), 5,540 acre-ft, Mar. 15, 1950, elevation, 5,742.56 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily contents, 151,000 acre-ft, June 25-July 5, July 7-14, maximum daily elevation, 5,804.62 ft, July 13; minimum daily contents, 59,300 acre-ft, Sept. 29, minimum elevation, 5,770.78 ft, Sept. 29.

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

5,770	57,600	5,800	137,000
5,780	81,400	5,810	169,000
5,790	108,000		

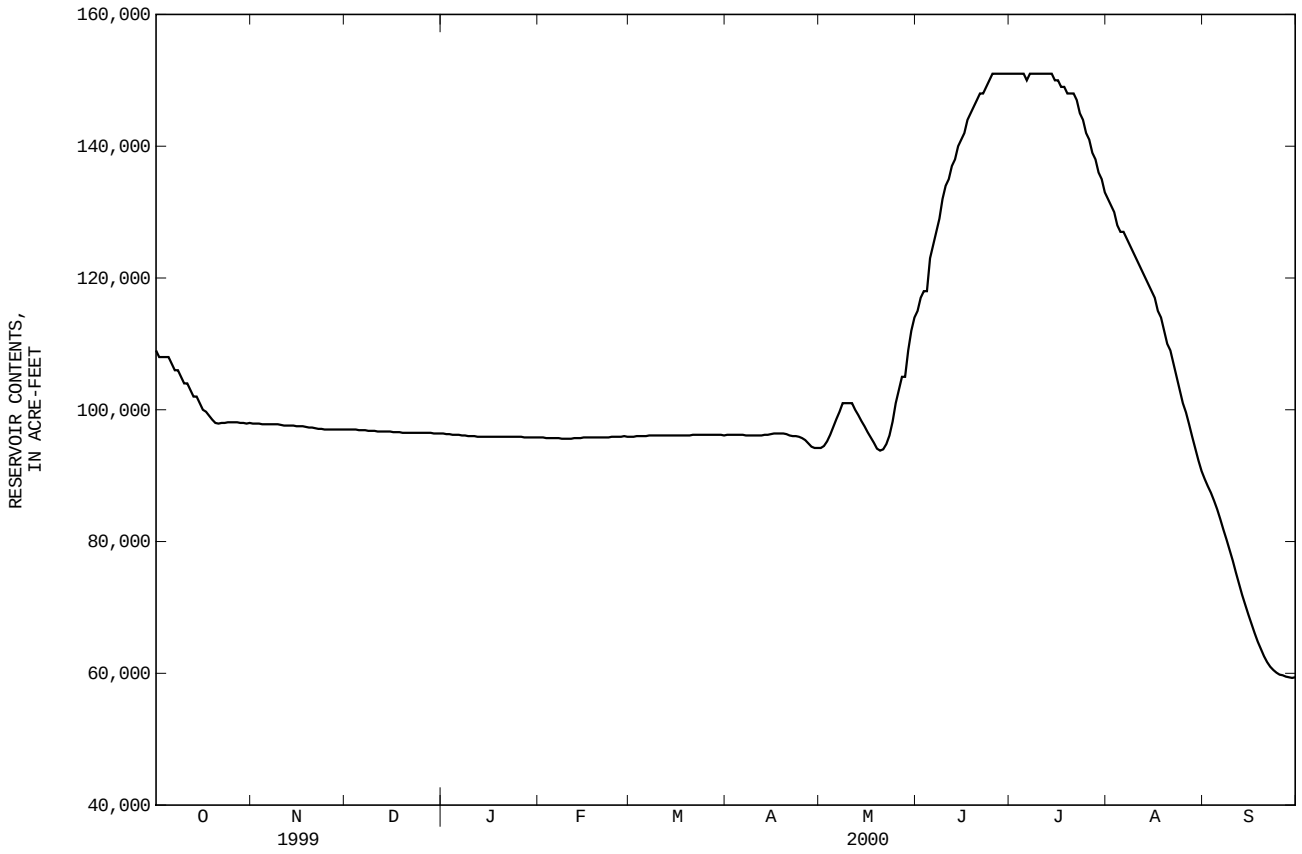
RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109000	97900	97000	96400	95800	95900	96200	94200	115000	151000	132000	89500
2	108000	97900	97000	96300	95800	95900	96200	94500	117000	151000	131000	88400
3	108000	97900	97000	96300	95700	96000	96200	95200	118000	151000	130000	87400
4	108000	97800	97000	96200	95700	96000	96200	96200	118000	151000	128000	86200
5	108000	97800	96900	96200	95700	96000	96200	97400	123000	151000	127000	84900
6	107000	97800	96900	96200	95700	96000	96200	98600	125000	150000	127000	83400
7	106000	97800	96900	96100	95700	96100	96100	99700	127000	151000	126000	81800
8	106000	97800	96800	96100	95600	96100	96100	101000	129000	151000	125000	80300
9	105000	97800	96800	96000	95600	96100	96100	101000	132000	151000	124000	78700
10	104000	97700	96800	96000	95600	96100	96100	101000	134000	151000	123000	77100
11	104000	97600	96700	96000	95600	96100	96100	101000	135000	151000	122000	75300
12	103000	97600	96700	95900	95700	96100	96100	100000	137000	151000	121000	73600
13	102000	97600	96700	95900	95700	96100	96200	99200	138000	151000	120000	71900
14	102000	97600	96700	95900	95700	96100	96200	98300	140000	151000	119000	70400
15	101000	97500	96700	95900	95800	96100	96300	97500	141000	150000	118000	68900
16	100000	97500	96600	95900	95800	96100	96400	96600	142000	150000	117000	67500
17	99700	97500	96600	95900	95800	96100	96400	95800	144000	149000	115000	66100
18	99100	97400	96600	95900	95800	96100	96400	95000	145000	149000	114000	64800
19	98500	97300	96500	95900	95800	96100	96400	94100	146000	148000	112000	63700
20	98000	97300	96500	95900	95800	96100	96300	93800	147000	148000	110000	62600
21	97900	97200	96500	95900	95800	96200	96100	94000	148000	148000	109000	61700
22	98000	97100	96500	95900	95800	96200	96000	94800	148000	147000	107000	61000
23	98000	97100	96500	95900	95800	96200	96000	96100	149000	145000	105000	60500
24	98100	97000	96500	95900	95900	96200	95900	98200	150000	144000	103000	60100
25	98100	97000	96500	95900	95900	96200	95700	101000	151000	142000	101000	59800
26	98100	97000	96500	95900	95900	96200	95400	103000	151000	141000	99600	59700
27	98100	97000	96500	95800	95900	96200	94900	105000	151000	139000	97800	59500
28	98000	97000	96500	95800	96000	96200	94400	105000	151000	138000	95900	59400
29	98000	97000	96400	95800	95900	96200	94200	109000	151000	136000	94100	59300
30	97900	97000	96400	95800	---	96200	94200	112000	151000	135000	92300	59400
31	98000	---	96400	95800	---	96100	---	114000	---	133000	90700	---
MAX	109000	97900	97000	96400	96000	96200	96400	114000	151000	151000	132000	89500
MIN	97900	97000	96400	95800	95600	95900	94200	93800	115000	133000	90700	59300
(#)	5,786.39	5,786.01	5,785.80	5,785.55	5,785.62	5,785.69	5,784.98	5,792.05	5,804.48	5,798.71	5,783.64	5,770.80
(*)	-11,000	-1,000	-600	-600	+100	+200	-1,900	+19,800	+37,000	-18,000	-42,300	-31,300

WTR YR 2000 MAX 151,000 MIN 59,300 (*) -49,600

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

06224500 BULL LAKE NEAR LENORE, WY--Continued



06225000 BULL LAKE CREEK NEAR LENORE, WY

LOCATION.--Lat 43°14'33", long 109°01'20", in NE$^1/_4$ NW$^1/_4$ sec.17, T.3 N., R.2 W., Fremont County, Hydrologic Unit 10080001, Wind River Indian Reservation, on left bank 700 ft upstream from mouth, 2.8 mi downstream from Bull Lake, and 8.5 mi southeast of Lenore.

DRAINAGE AREA.--213 mi^2, of which 12 mi^2 probably is noncontributing.

PERIOD OF RECORD.--May 1918 to current year.

REVISED RECORDS.--WSP 1309: 1921 (M, date only), 1925(M), 1926(M), 1930(M). WSP 1709: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,654 ft above sea level, from topographic map. May 18, 1918, to Mar. 25, 1922, at site 10 ft upstream at datum 0.86 ft higher; Mar. 26, 1922, to Oct. 3, 1934, at present site at datum 2.00 ft lower.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow completely regulated by Bull Lake 2.8 mi upstream since April 1938 (See station 06224500). Diversions upstream from station for irrigation of about 730 acres downstream. Bureau of Reclamation data collection platform with satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	330	53	34	33	e30	23	23	285	26	556	957	918
2	290	52	34	e33	e30	23	24	217	26	681	915	875
3	283	52	34	e33	30	23	24	74	26	773	909	833
4	281	52	34	e33	e30	23	24	29	25	771	925	855
5	282	52	34	e33	e31	23	23	21	27	729	939	875
6	340	52	34	e33	31	23	23	21	31	586	897	905
7	412	52	34	e33	31	23	24	82	33	420	869	917
8	411	52	34	e33	28	25	24	95	28	419	869	912
9	411	52	e34	e33	22	23	24	259	29	421	850	912
10	411	52	34	e33	21	23	24	395	33	432	819	933
11	409	52	e34	33	21	22	24	406	39	500	815	947
12	406	52	34	e33	22	22	24	502	35	503	810	937
13	409	52	34	e33	22	22	24	581	22	506	801	926
14	408	53	e34	33	22	23	24	582	24	631	793	871
15	404	53	e34	33	22	23	24	627	26	751	822	834
16	405	53	e34	33	22	23	24	664	26	770	908	827
17	401	53	34	33	22	23	24	715	27	767	965	827
18	401	52	34	33	22	23	53	746	28	768	995	804
19	401	52	e34	33	e22	23	92	686	28	770	1040	775
20	275	52	e33	33	e22	24	117	483	27	764	1050	725
21	86	52	e33	33	22	23	137	271	29	836	1050	640
22	54	48	e33	e33	22	23	131	105	30	865	1050	549
23	53	36	33	e33	22	23	92	35	41	940	1040	445
24	53	e35	33	e33	22	23	143	13	143	1070	1050	370
25	53	34	33	33	22	23	189	20	277	1160	1080	276
26	53	34	33	33	e23	23	251	23	673	1150	1110	207
27	52	34	33	e33	23	23	351	25	795	1140	1100	204
28	52	34	33	e32	23	23	394	25	804	1100	1090	203
29	52	34	33	e31	22	23	330	25	729	1040	1090	148
30	52	34	33	e30	---	23	255	25	511	1040	1070	98
31	52	---	33	e29	---	23	---	26	---	1020	1020	---
TOTAL	7982	1420	1042	1013	704	713	2940	8063	4598	23879	29698	20548
MEAN	257	47.3	33.6	32.7	24.3	23.0	98.0	260	153	770	958	685
MAX	412	53	34	33	31	25	394	746	804	1160	1110	947
MIN	52	34	33	29	21	22	23	13	22	419	793	98
AC-FT	15830	2820	2070	2010	1400	1410	5830	15990	9120	47360	58910	40760

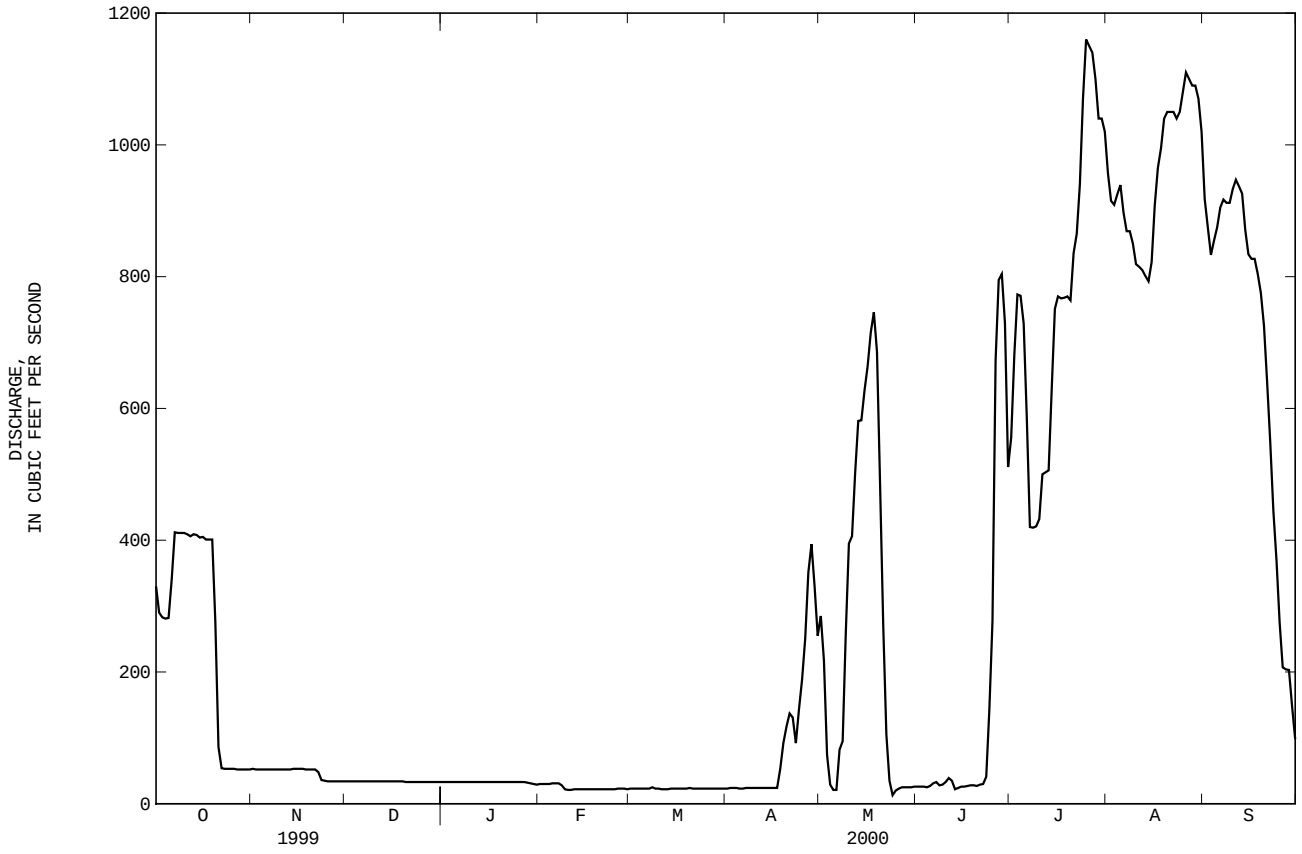
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2000, BY WATER YEAR (WY)

MEAN	140	70.5	71.0	87.8	74.2	60.7	95.6	237	554	816	663	438
MAX	782	467	241	267	219	197	601	831	2265	1645	1027	982
(WY)	1952	1969	1972	1954	1951	1951	1965	1928	1918	1923	1969	1976
MIN	4.16	8.34	13.8	11.0	12.0	.000	3.59	6.01	10.6	85.6	193	113
(WY)	1941	1965	1978	1931	1931	1937	1941	1940	1941	1941	1977	1961

06225000 BULL LAKE CREEK NEAR LENORE, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1918 - 2000	
ANNUAL TOTAL	125120		102600		--	
ANNUAL MEAN	343		280		276	
HIGHEST ANNUAL MEAN	--		--		427	1969
LOWEST ANNUAL MEAN	--		--		100	1941
HIGHEST DAILY MEAN	1900	Jun 23	1160	Jul 25	3900	Jun 16 1918
LOWEST DAILY MEAN	31	Many days	13	May 24	.00[a]	Feb 28 to Apr 7 1937
ANNUAL SEVEN-DAY MINIMUM	31	Jan 7	22	Feb 9	.00[b]	Feb 28 1937
INSTANTANEOUS PEAK FLOW	--		1190	Jul 24	6200	Aug 8 1951
INSTANTANEOUS PEAK STAGE	--		3.65	Jul 24	7.09	Aug 8 1951
ANNUAL RUNOFF (AC-FT)	248200		203500		199800	
10 PERCENT EXCEEDS	877		910		808	
50 PERCENT EXCEEDS	111		50		107	
90 PERCENT EXCEEDS	33		23		20	

a Result of regulation.
b From rating curve extended above 2,000 ft^3/s on basis of slope-area measurement of peak flow. Result of automatic spillway gates releasing at Bull Lake Dam.
e Estimated.



06225500 WIND RIVER NEAR CROWHEART, WY

LOCATION.--Lat 43°14'33", long 109°00'35", in $NW^1/_4$ $NW^1/_4$ sec.16, T.3 N., R.2 W., Fremont County, Hydrologic Unit 10080001, Wind River Indian Reservation, on right bank 0.9 mi downstream from Bull Lake Creek and 9.0 mi southeast of Crowheart.

DRAINAGE AREA.--1,891 mi^2.

PERIOD OF RECORD.--October 1945 to current year.

REVISED RECORDS.--WSP 1116: 1946-47. WSP 1709: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,635 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Some regulation by Bull Lake on Bull Lake Creek (See station 06224500). Diversions for irrigation of about 25,000 acres upstream from station. Bureau of Reclamation data collection platform with satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 29, 1927, reached a discharge of 13,000 ft^3/s; discharge measurement made by Bureau of Reclamation at site 1.0 mi downstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	915	474	410	e355	e330	301	282	1120	2910	1970	1700	1570
2	865	449	397	e350	e340	303	285	1400	2630	2130	1620	1530
3	843	409	365	e340	e340	291	297	1520	2670	2260	1610	1470
4	823	444	382	e330	e350	293	279	1940	2800	2190	1620	1440
5	800	463	360	e340	e350	306	331	2130	2940	2040	1700	1400
6	846	459	346	e350	e350	320	414	1860	2950	1780	1810	1400
7	914	451	e350	e360	e350	332	380	1610	3070	1570	1770	1400
8	902	443	e340	e360	e340	334	327	1460	3230	1520	1680	1390
9	888	457	e330	e375	e330	316	334	1300	2820	1490	1600	1390
10	883	447	e340	e370	e314	317	391	1310	2410	1490	1580	1400
11	892	436	e340	e370	327	302	387	1190	1940	1620	1540	1410
12	894	450	e350	e360	306	285	442	1170	1810	1590	1520	1400
13	892	443	e350	e360	303	280	553	1190	1740	1550	1550	1400
14	893	434	e350	e370	300	292	644	1150	1660	1640	1520	1330
15	891	426	e340	e370	305	302	588	1180	1690	1750	1510	1260
16	906	416	e380	e380	284	299	488	1250	1730	1720	1590	1250
17	886	434	e410	e380	300	278	441	1520	1450	1730	1640	1230
18	870	436	e410	e390	303	291	460	1620	1270	1860	1680	1180
19	979	441	e400	e380	266	276	535	1530	1400	1820	1730	1120
20	844	389	e400	e375	287	292	549	1500	1460	1710	1740	1080
21	677	421	e405	e370	310	278	618	1560	1250	1700	1700	1000
22	605	399	e405	e370	325	267	740	1680	1260	1670	1700	957
23	567	326	e400	e370	318	288	691	2380	1390	1710	1670	935
24	535	297	e380	e370	303	295	703	2790	1670	1830	1630	863
25	510	314	e370	e365	320	302	684	3350	1930	1920	1630	787
26	504	393	e370	e360	270	293	668	3000	2210	1910	1660	710
27	493	408	e380	e350	298	306	776	2660	2320	1920	1670	686
28	492	401	e380	e350	321	313	981	2600	2290	1900	1660	667
29	483	392	e390	e340	302	332	1360	3370	2160	1830	1630	592
30	478	400	e370	e330	---	310	1170	3430	1920	1790	1630	516
31	468	---	e360	e320	---	287	---	3190	---	1770	1630	---
TOTAL	23438	12552	11560	11160	9142	9281	16798	58960	62980	55380	50920	34763
MEAN	756	418	373	360	315	299	560	1902	2099	1786	1643	1159
MAX	979	474	410	390	350	334	1360	3430	3230	2260	1810	1570
MIN	468	297	330	320	266	267	279	1120	1250	1490	1510	516
AC-FT	46490	24900	22930	22140	18130	18410	33320	116900	124900	109800	101000	68950

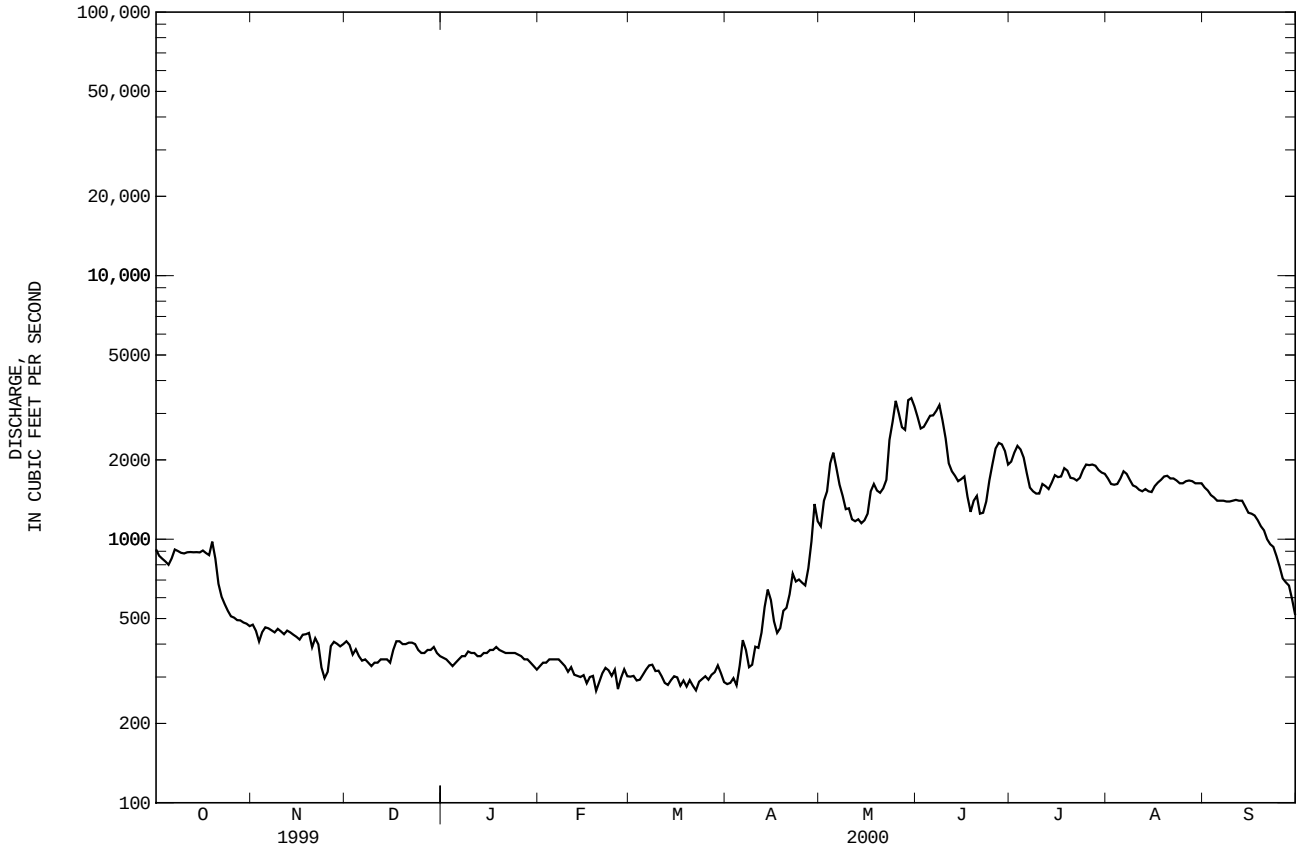
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2000, BY WATER YEAR (WY)

MEAN	691	483	388	370	357	365	559	1785	3794	2930	1674	1163
MAX	1415	932	625	560	538	616	1284	2938	7259	5694	2483	1774
(WY)	1952	1969	1972	1954	1951	1972	1952	1956	1971	1967	1951	1997
MIN	371	298	215	179	202	226	309	729	1520	1362	853	688
(WY)	1989	1978	1982	1982	1989	1977	1993	1977	1994	1992	1977	1994

06225500 WIND RIVER NEAR CROWHEART, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1946 - 2000	
ANNUAL TOTAL	592102		356934		--	
ANNUAL MEAN	1622		975		1217	
HIGHEST ANNUAL MEAN	--		--		1657	1999
LOWEST ANNUAL MEAN	--		--		670	1977
HIGHEST DAILY MEAN	11400	Jun 18,19	3430	May 30	11400	Jun 18,19 1999
LOWEST DAILY MEAN	297	Nov 24	266	Feb 19	130	Feb 5 1982
ANNUAL SEVEN-DAY MINIMUM	323	Mar 8	281	Mar 17	143	Dec 30 1981
INSTANTANEOUS PEAK FLOW	--		4360	May 25	14300[a]	Jun 13 1991
INSTANTANEOUS PEAK STAGE	--		8.59	May 25	11.23	Jun 19 1999
ANNUAL RUNOFF (AC-FT)	1174000		708000		881300	
10 PERCENT EXCEEDS	4830		1900		2830	
50 PERCENT EXCEEDS	596		612		584	
90 PERCENT EXCEEDS	347		303		300	

a Gage height, 11.04 ft, from floodmarks.
e Estimated.



06226000 WYOMING CANAL NEAR LENORE, WY

LOCATION.--Lat 43°13'45", long 108°53'40", in SE$^1/_4$ SE$^1/_4$ sec.17, T.3 N., R.1 W., Fremont County, Hydrologic Unit 10080001, on right bank 3.3 mi downstream from diversion dam on Wind River and 15 mi southeast of Lenore.

PERIOD OF RECORD.--May 1941 to September 1945 (irrigation season only), May 1949 to September 1982, April 1988 to current year. No winter record 1977-1978, and 1988 to current year. Monthly discharge only from some periods, published in WSP 1309.

GAGE.--Water-stage recorder. Datum of gage is 5,560.85 ft above sea level. May 1, 1941 to Sept. 30, 1945, nonrecording gage at site 3.2 mi upstream at different datum. May 3, 1949 to Oct. 2, 1952, and Apr. 12 to May 15, 1971, water-stage recorder at site 3.0 mi upstream at different datum.

REMARKS.--Records good. Flow used for irrigation on Riverton project. Midvale Irrigation District data collection platform with satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	692	---	---	---	---	---	224	657	1790	1140	1240	1160
2	646	---	---	---	---	---	227	890	1800	1150	1180	1110
3	622	---	---	---	---	---	241	970	1820	1150	1190	1050
4	628	---	---	---	---	---	242	1180	1630	1150	1210	1020
5	616	---	---	---	---	---	259	1350	1350	1140	1240	971
6	684	---	---	---	---	---	353	1230	1260	1220	1320	963
7	783	---	---	---	---	---	296	1040	1260	1010	1280	962
8	671	---	---	---	---	---	205	917	1350	947	1190	962
9	499	---	---	---	---	---	203	830	1340	932	1140	989
10	476	---	---	---	---	---	266	883	1290	943	1110	985
11	471	---	---	---	---	---	267	741	1270	1110	1080	1010
12	490	---	---	---	---	---	265	731	1280	1090	1060	1020
13	565	---	---	---	---	---	324	747	1270	1030	1090	1020
14	355	---	---	---	---	---	383	705	1260	1060	1040	950
15	213	---	---	---	---	---	372	733	1230	1230	1030	888
16	206	---	---	---	---	---	297	783	1290	1190	1110	868
17	111	---	---	---	---	---	260	1020	1040	1200	1180	850
18	144	---	---	---	---	---	266	1230	852	1280	1220	868
19	195	---	---	---	---	---	352	1130	922	1260	1270	832
20	193	---	---	---	---	---	354	1120	1060	1180	1280	811
21	170	---	---	---	---	---	395	1190	831	1160	1270	750
22	104	---	---	---	---	---	485	1320	770	1160	1250	708
23	79	---	---	---	---	---	463	1620	826	1170	1220	698
24	75	---	---	---	---	---	471	1840	1060	1270	1190	639
25	24	---	---	---	---	---	429	1860	1270	1410	1200	612
26	10	---	---	---	---	---	407	1790	1430	1390	1240	586
27	---	---	---	---	---	---	466	1730	1180	1410	1240	580
28	---	---	---	---	---	13	626	1710	1090	1410	1210	572
29	---	---	---	---	---	240	830	1790	1100	1340	1190	522
30	---	---	---	---	---	256	685	1770	1150	1310	1200	451
31	---	---	---	---	---	231	---	1720	---	1300	1200	---
TOTAL	9722	---	---	---	---	740	10913	37227	37071	36742	36870	25407
MEAN	374	---	---	---	---	185	364	1201	1236	1185	1189	847
MAX	783	---	---	---	---	256	830	1860	1820	1410	1320	1160
MIN	10	---	---	---	---	13	203	657	770	932	1030	451
AC-FT	19280	---	---	---	---	1470	21650	73840	73530	72880	73130	50390

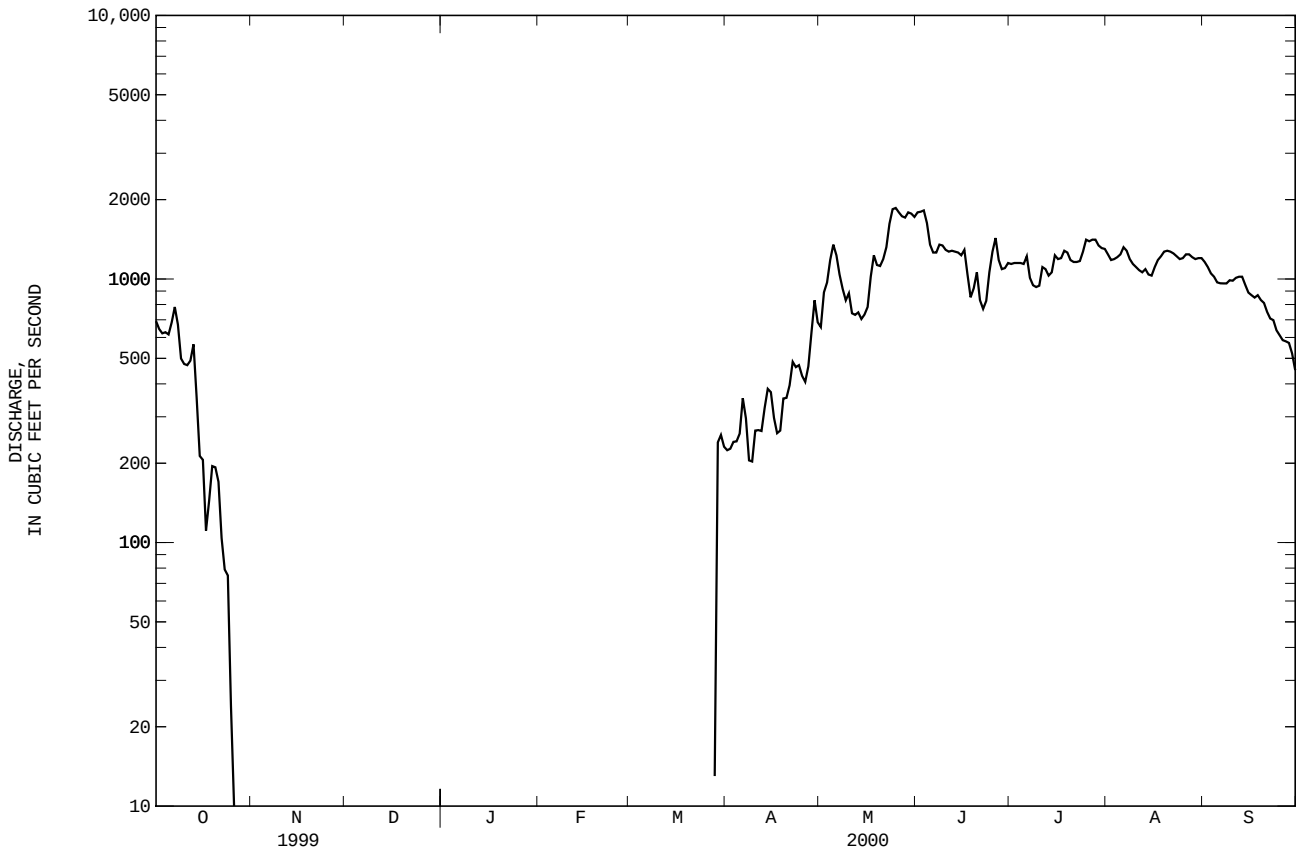
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2000, BY WATER YEAR (WY)

MEAN	195	184	199	199	201	224	298	716	1126	1265	993	699
MAX	430	436	383	345	357	422	440	1201	1668	1736	1402	1168
(WY)	1994	1972	1958	1958	1954	1972	1980	2000	1990	1976	1995	1997
MIN	.000	.000	.000	.000	.000	.000	91.2	339	321	587	423	277
(WY)	1951	1951	1971	1971	1971	1971	1971	1942	1944	1941	1941	1994

06226000 WYOMING CANAL NEAR LENORE, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1941 - 2000*	
ANNUAL MEAN	--		--		540a	
HIGHEST ANNUAL MEAN	--		--		669a	1972
LOWEST ANNUAL MEAN	--		--		461a	1975
HIGHEST DAILY MEAN	1830	Jul 20	1860	May 25	1860	Jun 11,12 1990, May 25 2000
LOWEST DAILY MEAN	10	Oct 26	10	Oct 26	.00	Many days, most years
INSTANTANEOUS PEAK FLOW	--		1910	May 25	2060	Jun 5 1990
INSTANTANEOUS PEAK STAGE	--		13.28	May 25	13.79	Jun 5 1990

* During period of operation.
a Water years 1977, 1978, and 1988 to current year not included.



06227600 WIND RIVER NEAR KINNEAR, WY

LOCATION.--Lat 43°08'38", long 108°42'26", in $SE^1/_4$ $SE^1/_4$ $SW^1/_4$ sec.13, T.2 N., R.1 E., Fremont County, Hydrologic Unit 10080001, Wind River Indian Reservation, on left bank, downstream side of bridge on Wyoming State Secondary Highway 132, and 1.6 mi southwest of Kinnear.

DRAINAGE AREA.--2,194 mi^2.

PERIOD OF RECORD.--April 1974 to September 1979 (no winter records), April 1991 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,280 ft above sea level, from topographic map. April 1974 to September 1979 and Mar. 28, 1991 to June 8, 1997, at site 300 ft upstream on right bank at same datum. June 9, 1997 to Apr. 21, 1998, at present site on right bank at same datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Some regulation by Bull Lake beginning in 1938 (see station 06224500) and Pilot-Butte Reservoir beginning in 1926, combined capacity, 182,000 acre-ft. Diversions upstream from station for irrigation of about 102,100 acres lying both upstream and downstream from station. The Wyoming Canal of the Riverton Project is the major diversion. This diversion began in 1926 and part of it can be returned to the river upstream from station through Pilot Wasteway. Additional wastewater returns to river downstream from station through Fivemile and Muddy creeks. Midvale Irrigation District data collection platform with satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	268	515	421	e330	e300	334	118	297	1250	692	405	394
2	240	499	408	e310	e310	335	114	300	713	937	399	374
3	234	455	374	e300	e320	329	115	279	670	1120	401	375
4	224	494	376	e290	e300	323	112	306	1110	1060	400	374
5	209	502	e340	e300	e300	336	98	353	1890	915	402	372
6	183	505	e335	e300	e310	342	110	367	1940	575	400	361
7	165	489	e330	e320	e320	369	112	379	2000	403	395	369
8	200	479	e325	e320	e320	376	174	375	2080	417	394	371
9	413	490	e310	e300	e330	358	174	366	1810	431	401	349
10	449	478	e320	e300	e330	351	173	373	1350	429	399	351
11	455	458	e320	e296	e310	337	172	369	731	434	397	340
12	457	466	e340	e300	e300	314	195	359	537	434	397	328
13	350	467	e360	e310	e290	308	e230	370	479	460	392	313
14	493	465	e360	e310	e280	312	e240	367	429	466	389	316
15	706	450	e340	e320	e290	330	e240	367	402	463	389	316
16	716	e460	e340	e340	e270	332	e240	360	408	470	392	317
17	803	e470	e350	e350	e280	308	245	383	413	477	389	323
18	780	e480	e360	e350	e280	e330	243	375	407	473	394	309
19	797	e410	e350	e360	e260	e330	247	319	420	471	396	250
20	793	e420	e340	e370	e270	e310	238	294	415	466	394	248
21	547	e390	e330	e370	e300	301	236	287	411	460	397	250
22	534	e370	e350	e350	e310	293	248	287	406	454	400	265
23	523	e340	e370	e360	e300	307	245	745	394	451	397	272
24	496	318	e370	e370	e300	314	243	1250	423	446	390	267
25	556	312	e370	e380	e310	316	263	1990	e460	436	378	247
26	557	380	e380	e370	e300	309	258	1750	e528	437	378	179
27	543	419	e370	e350	e320	327	280	1230	1060	e430	381	159
28	541	419	e370	e350	367	307	285	953	1280	e430	383	146
29	529	403	e370	e340	348	156	308	2080	1130	e420	384	141
30	519	403	e350	e320	---	138	304	2100	720	407	398	139
31	500	---	e330	e290	---	123	---	1720	---	406	406	---
TOTAL	14780	13206	10959	10226	8825	9555	6260	21350	26266	16370	12217	8815
MEAN	477	440	354	330	304	308	209	689	876	528	394	294
MAX	803	515	421	380	367	376	308	2100	2080	1120	406	394
MIN	165	312	310	290	260	123	98	279	394	403	378	139
AC-FT	29320	26190	21740	20280	17500	18950	12420	42350	52100	32470	24230	17480

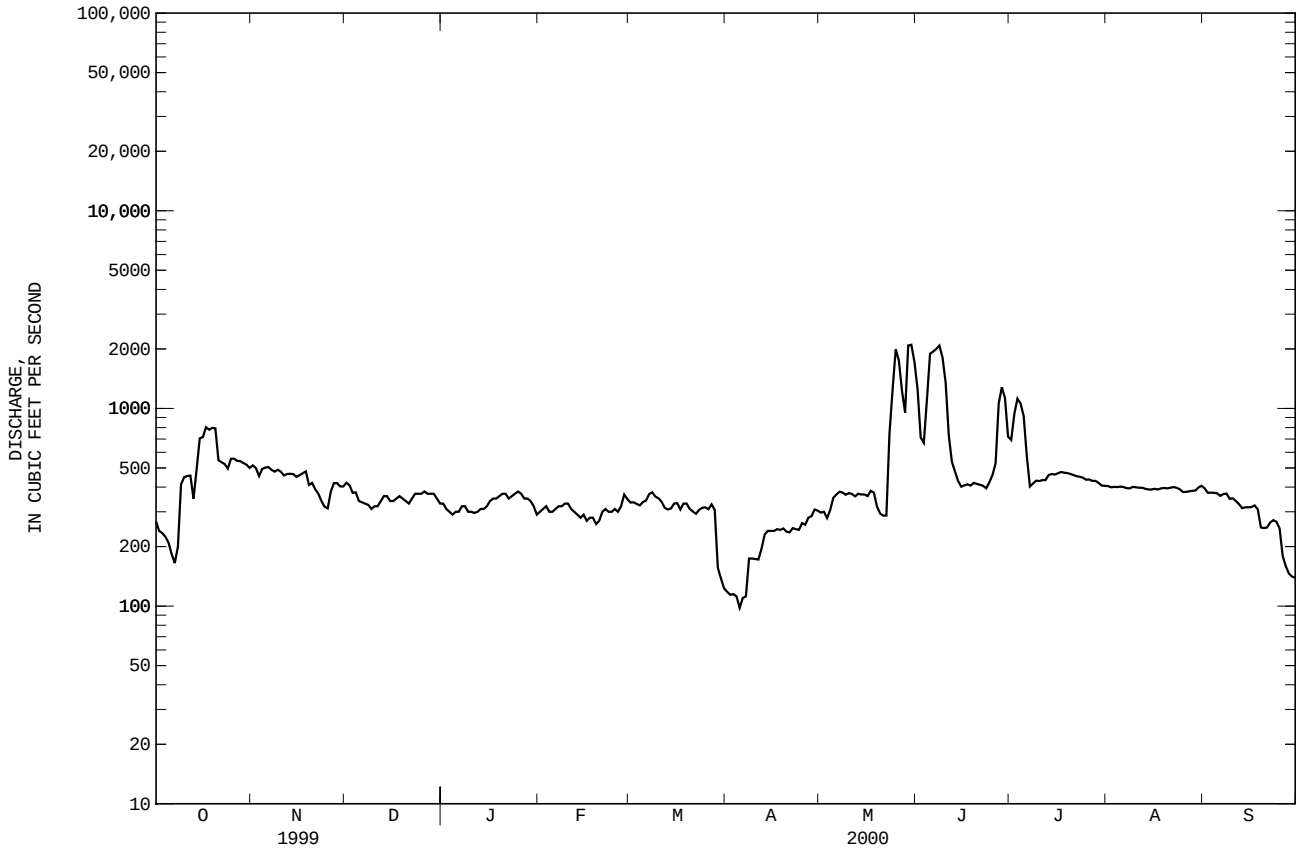
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2000, BY WATER YEAR (WY)

MEAN	402	458	328	303	309	332	275	1056	2919	1853	595	402
MAX	850	625	380	360	378	418	758	2356	6611	4802	1230	564
(WY)	1998	1998	1996	1996	1998	1996	1974	1999	1999	1995	1976	1976
MIN	188	364	240	193	224	194	72.9	346	400	379	340	216
(WY)	1993	1995	1993	1993	1993	1992	1978	1995	1994	1994	1977	1977

06227600 WIND RIVER NEAR KINNEAR, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1974 - 2000*	
ANNUAL TOTAL	450119		158829		--	
ANNUAL MEAN	1233		434		775	
HIGHEST ANNUAL MEAN	--		--		1272	1999
LOWEST ANNUAL MEAN	--		--		361	1994
HIGHEST DAILY MEAN	11100	Jun 20-22	2100	May 30,Jun 8	11100	Jun 20-22 1999
LOWEST DAILY MEAN	99	Apr 16	98	Apr 5	28	Apr 24,25 1978
ANNUAL SEVEN-DAY MINIMUM	110	Apr 12	111	Apr 1	35	Apr 19 1978
INSTANTANEOUS PEAK FLOW	--		3200	May 29	13900[a]	Jun 13 1991
INSTANTANEOUS PEAK STAGE	--		5.69	May 29	8.79[b]	Jun 10 1997
ANNUAL RUNOFF (AC-FT)	892800		315000		561300	
10 PERCENT EXCEEDS	4100		562		2160	
50 PERCENT EXCEEDS	420		367		400	
90 PERCENT EXCEEDS	283		245		210	

* All statistics, except HIGHEST and LOWEST DAILY MEANS, and INSTANTANEOUS PEAK FLOW and STAGE, are based on period(s) using complete water years only.
a Gage height 8.03 ft, from floodmarks.
b From floodmark, discharge, 11,600 ft^3/s.
e Estimated.



06228000 WIND RIVER AT RIVERTON, WY

LOCATION.--Lat 43°00'38", long 108°22'34", in NE$^1/_4$ NW$^1/_4$ NW$^1/_4$ sec.2, T.1 S., R.4 E., Fremont County, Hydrologic Unit 10080001, Wind River Indian Reservation, on left bank 20 ft downstream from bridge on State Highway 789, 1.1 mi southeast of post office in Riverton, and 1.5 mi upstream from Little Wind River.

DRAINAGE AREA.--2,309 mi^2.

PERIOD OF RECORD.--May to August 1906, August to December 1907, May to October 1908, May 1911 to current year. Monthly discharge only for some periods, published in WSP 1309. Published as Big Wind River near Arapahoe Agency 1906 and as Big Wind River near Riverton 1907-08.

REVISED RECORDS.--WSP 1509: 1935. WSP 1709: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,901.56 ft above sea level. See WSP 1729 for history of changes prior to Oct. 13, 1930. Oct. 13, 1930 to Apr. 15, 1968, water-stage recorder at site 280 ft upstream at datum 2.00 ft higher. Apr. 16 to Nov. 17, 1968, water-stage recorder at site 155 ft upstream at datum 2.00 ft higher. Nov. 18, 1968 to July 28, 1970, water-stage recorder at site 20 ft downstream at datum 2.00 ft higher. July 29, 1970 to Sept. 30, 1977, water-stage recorder at site 245 ft downstream at datum 2.00 ft higher. Oct. 1, 1977 to Oct. 23, 1997 at site 245 ft downstream at same datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Some regulation by Bull Lake beginning in 1938 (station 06224500) and Pilot Butte Reservoir beginning in 1926, combined capacity, 182,000 acre-ft. Diversions upstream from station for irrigation of about 128,000 acres upstream and downstream from station. The Wyoming Canal of the Riverton project is the major diversion. This diversion began in 1926 and part of it can be returned to the river upstream from station through Pilot wasteway. Additional wastewater returns to river downstream from station through Fivemile Creek and Muddy Creek. Bureau of Reclamation data collection platform with satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	313	617	439	e330	e280	e290	100	75	e900	314	27	48
2	267	607	433	e320	e280	e290	95	57	380	588	32	44
3	253	556	407	e320	e290	311	100	38	190	795	27	35
4	250	568	380	e300	e280	292	93	25	353	769	27	40
5	230	592	368	e320	e280	307	50	39	993	648	27	40
6	216	598	358	e320	e290	323	44	45	1290	341	28	37
7	169	580	358	e340	e310	353	49	39	1240	33	27	35
8	155	567	386	e340	e310	373	52	35	1360	21	24	57
9	261	567	e370	e330	e320	363	79	29	1240	19	25	61
10	469	565	e350	e320	e320	358	79	27	1090	20	27	54
11	473	551	e350	e320	e300	347	79	39	602	22	29	56
12	485	541	e350	e320	e280	324	73	30	239	20	25	55
13	411	543	e360	e320	e270	312	80	28	136	22	27	48
14	404	532	e370	e320	e260	310	75	42	83	23	25	51
15	762	522	e360	e320	e270	335	109	44	52	23	24	62
16	844	499	e340	e330	e250	366	142	38	52	24	25	49
17	891	503	e370	e340	e260	336	105	67	68	33	25	44
18	907	512	e380	e350	e250	331	87	219	62	34	24	47
19	869	518	e370	e370	e230	334	122	100	64	35	25	57
20	937	479	e360	e370	e240	346	101	64	79	31	26	49
21	720	459	e340	e370	e270	356	75	49	63	27	24	47
22	655	475	e350	e360	e290	330	71	44	62	28	27	68
23	655	397	e370	e360	e290	334	67	161	43	25	26	100
24	617	330	e370	e370	e280	356	64	1000	35	24	27	145
25	645	328	e370	e370	e290	367	71	1510	45	25	26	153
26	676	383	e380	e360	e260	374	82	1590	55	23	27	111
27	652	442	e375	e340	e280	384	59	1090	437	24	33	74
28	651	449	e390	e330	e300	406	55	651	1010	31	32	53
29	640	432	e370	e320	e310	243	70	1180	853	29	26	72
30	621	418	e350	e300	---	147	98	e1400	580	23	24	90
31	604	---	e340	e280	---	115	---	e1200	---	22	32	---
TOTAL	16702	15130	11464	10360	8140	10013	2426	10955	13656	4096	830	1882
MEAN	539	504	370	334	281	323	80.9	353	455	132	26.8	62.7
MAX	937	617	439	370	320	406	142	1590	1360	795	33	153
MIN	155	328	340	280	230	115	44	25	35	19	24	35
AC-FT	33130	30010	22740	20550	16150	19860	4810	21730	27090	8120	1650	3730

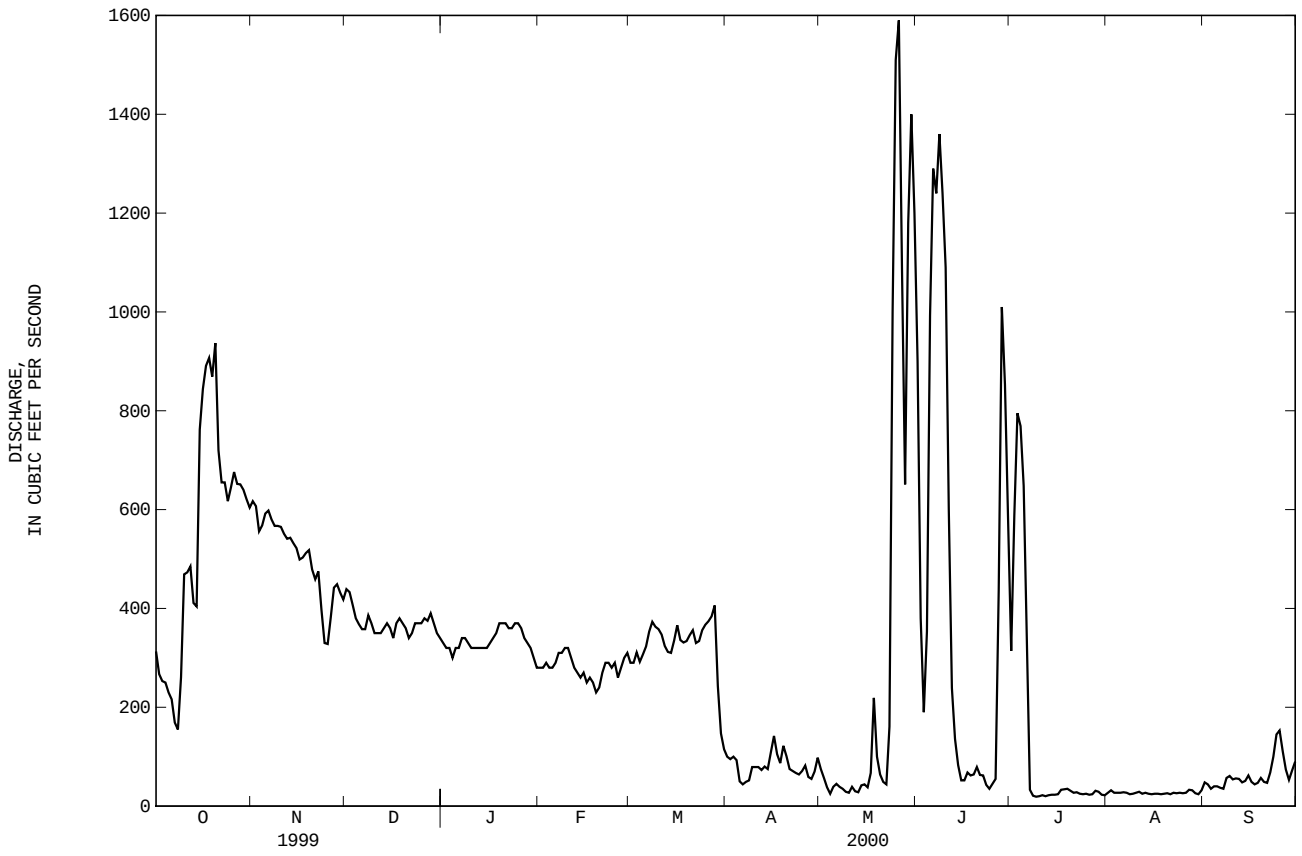
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2000, BY WATER YEAR (WY)

MEAN	602	453	350	331	333	350	413	1228	2865	1749	682	483
MAX	1500	895	559	539	531	650	1234	4618	7194	5802	3052	1794
(WY)	1952	1969	1972	1972	1948	1916	1943	1928	1921	1917	1930	1927
MIN	152	222	200	151	196	74.9	53.8	72.6	68.6	20.3	26.8	35.7
(WY)	1993	1941	1932	1938	1981	1981	1989	1989	1994	1994	2000	1988

06228000 WIND RIVER AT RIVERTON, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1912 - 2000	
ANNUAL TOTAL	337763		105654		--	
ANNUAL MEAN	925		289		811	
HIGHEST ANNUAL MEAN	--		--		1626	1913
LOWEST ANNUAL MEAN	--		--		195	1988
HIGHEST DAILY MEAN	8540	Jun 20	1590	May 26	11400	Jun 14 1935
LOWEST DAILY MEAN	53	Jul 30	19	Jul 9	9.8	May 28 1977
ANNUAL SEVEN-DAY MINIMUM	90	Apr 14	21	Jul 8	12	Jul 13 1977
INSTANTANEOUS PEAK FLOW	--		2200	May 25	13300[a]	Jun 15 1935
INSTANTANEOUS PEAK STAGE	--		9.21[b]	Dec 24	10.86[c]	Jun 10 1997
ANNUAL RUNOFF (AC-FT)	670000		209600		587500	
10 PERCENT EXCEEDS	2680		617		2080	
50 PERCENT EXCEEDS	377		280		400	
90 PERCENT EXCEEDS	152		27		169	

a Gage height, 10.15 ft, site and datum then in use.
b Backwater from ice.
c Discharge, 10,100 ft^3/s, site 245 ft downstream, present datum.
e Estimated.



06228350 SOUTH FORK LITTLE WIND RIVER ABOVE WASHAKIE RESERVOIR, NEAR FORT WASHAKIE, WY

LOCATION.--Lat 42°58'06", long 109°02'13", in SE$^1/_4$ SW$^1/_4$ SE$^1/_4$ sec.18, T.1 S., R.2 W., Fremont County, Hydrologic Unit 10080002, Wind River Indian Reservation, on right bank 1.9 mi upstream from Washakie Dam and 8.0 mi southwest of Fort Washakie.

DRAINAGE AREA.--90.3 mi^2.

PERIOD OF RECORD.--October 1976 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,440 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Data collection platform with satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 740 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 24	0559	839	5.65
May 29	0159	*995	*6.05

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	27	24	18	20	22	22	130	646	260	67	76
2	62	22	22	17	20	21	23	181	611	271	66	109
3	56	31	22	16	19	20	21	221	634	262	67	111
4	52	28	20	14	18	21	25	292	654	232	74	96
5	49	28	22	14	18	21	32	340	670	197	78	84
6	47	26	22	13	18	22	31	327	664	168	77	74
7	45	25	20	13	17	21	27	273	689	152	74	68
8	43	26	18	14	17	20	27	218	678	142	68	61
9	42	24	19	14	17	21	33	164	634	146	64	55
10	41	21	20	14	17	21	33	137	509	156	63	51
11	39	23	18	15	17	21	35	124	412	165	61	46
12	37	25	17	15	17	21	44	113	411	157	59	43
13	35	23	18	16	18	21	56	103	489	146	57	41
14	34	21	19	16	18	21	61	99	430	135	55	41
15	33	19	21	17	18	20	48	104	443	126	52	40
16	35	24	21	18	20	20	41	110	466	118	51	38
17	35	22	21	20	21	21	40	141	378	119	50	36
18	41	20	20	23	21	19	46	213	284	129	50	36
19	34	16	20	26	22	20	53	230	330	121	49	35
20	37	23	20	26	23	20	55	226	352	110	48	36
21	35	14	19	27	23	22	69	251	282	101	46	36
22	35	17	19	26	23	23	75	360	274	93	45	40
23	34	13	20	24	23	24	69	570	298	87	44	44
24	34	13	21	23	22	23	71	784	344	82	42	43
25	33	18	21	23	22	23	62	768	368	76	41	44
26	32	20	20	22	21	24	69	671	347	74	41	42
27	31	19	19	e20	22	25	83	576	324	75	41	41
28	30	19	19	21	22	26	113	690	303	75	39	40
29	28	22	19	21	21	24	139	855	275	73	37	40
30	28	24	18	21	---	23	112	761	259	71	36	39
31	33	---	18	20	---	22	---	722	---	69	48	---
TOTAL	1220	653	617	587	575	673	1615	10754	13458	4188	1690	1586
MEAN	39.4	21.8	19.9	18.9	19.8	21.7	53.8	347	449	135	54.5	52.9
MAX	70	31	24	27	23	26	139	855	689	271	78	111
MIN	28	13	17	13	17	19	21	99	259	69	36	35
AC-FT	2420	1300	1220	1160	1140	1330	3200	21330	26690	8310	3350	3150

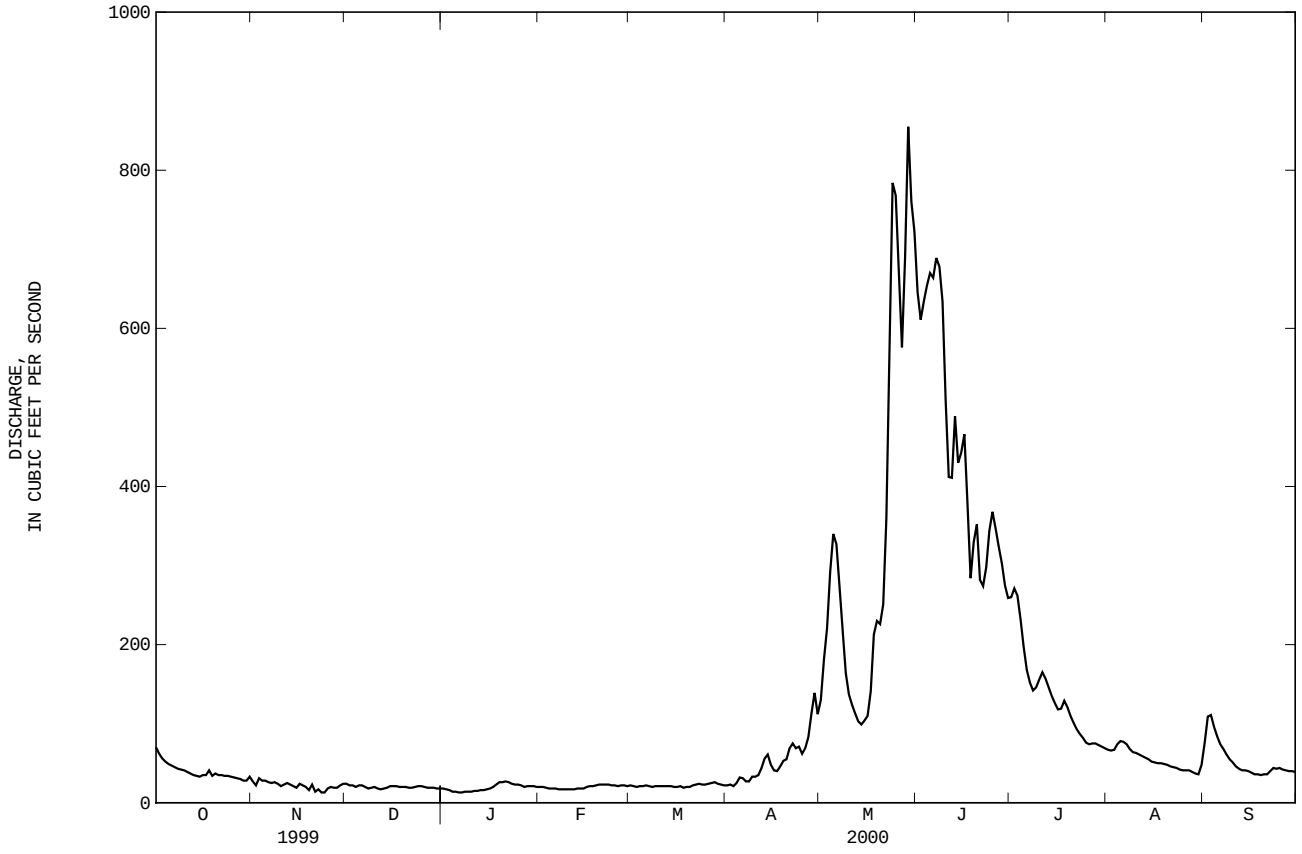
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2000, BY WATER YEAR (WY)

MEAN	43.3	29.6	23.4	17.5	14.9	17.9	49.8	258	598	340	112	58.2
MAX	94.3	48.4	34.6	30.9	26.1	34.1	94.6	403	1067	791	197	96.2
(WY)	1983	1991	1996	1997	1986	1986	1987	1987	1986	1995	1982	1997
MIN	14.5	15.7	11.8	6.05	6.72	9.60	29.2	111	242	81.0	30.7	20.0
(WY)	1989	1989	1977	1977	1977	1977	1982	1995	1994	1988	1988	1988

06228350 SOUTH FORK LITTLE WIND RIVER ABOVE WASHAKIE RESERVOIR, NEAR FORT WASHAKIE, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1977 - 2000	
ANNUAL TOTAL	65839		37616		--	
ANNUAL MEAN	180		103		131	
HIGHEST ANNUAL MEAN	--		--		188	1986
LOWEST ANNUAL MEAN	--		--		71.2	1977
HIGHEST DAILY MEAN	1730	Jun 22	855	May 29	1960	Jun 13 1991
LOWEST DAILY MEAN	13	Nov 23,24	13	Nov 23,24, Jan 6,7	4.5	Feb 1 1977
ANNUAL SEVEN-DAY MINIMUM	16	Jan 21	14	Jan 4	4.5	Feb 1 1977
INSTANTANEOUS PEAK FLOW	--		995	May 29	2230	Jun 13 1991
INSTANTANEOUS PEAK STAGE	--		6.05	May 29	8.48	Jun 13 1991
ANNUAL RUNOFF (AC-FT)	130600		74610		94640	
10 PERCENT EXCEEDS	605		300		396	
50 PERCENT EXCEEDS	35		36		39	
90 PERCENT EXCEEDS	18		18		14	

e Estimated.



06228450 SOUTH FORK LITTLE WIND RIVER BELOW WASHAKIE RESERVOIR, NEAR FORT WASHAKIE, WY

LOCATION.--Lat 42°59'04", long 108°59'57", in $SW^1/_4$ $SW^1/_4$ $SE^1/_4$ sec.9, T.1 S., R.2 W., Fremont County, Hydrologic Unit 10080002, Wind River Indian Reservation, on right bank 0.7 mi downstream from Washakie Reservoir, 2.3 mi upstream from Timmoco Creek, and 6.2 mi west of Fort Washakie.

DRAINAGE AREA.--93.5 mi^2.

PERIOD OF RECORD.--October 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,280 ft above sea level, from topographic map.

REMARKS.--Records good. Flow regulated by Washakie Reservoir.

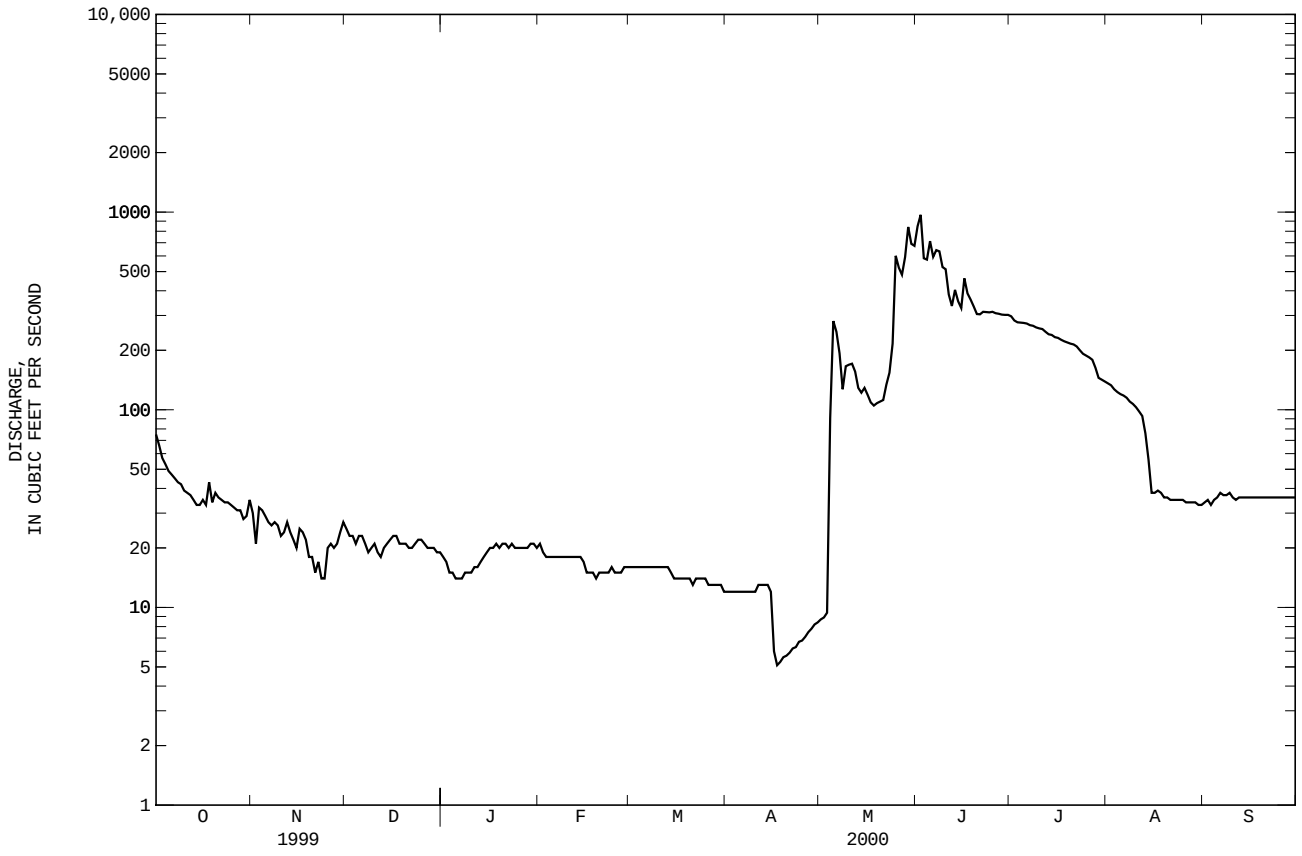
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	30	e25	e18	21	16	12	8.7	848	297	136	34
2	66	21	e23	e17	19	16	12	8.9	969	283	133	35
3	57	32	e23	e15	18	16	12	9.4	584	277	127	33
4	53	31	21	e15	e18	16	12	91	575	276	123	35
5	49	29	e23	e14	18	16	12	281	713	275	120	36
6	47	27	e23	e14	18	16	12	248	594	273	118	38
7	45	26	e21	e14	18	16	12	193	642	268	115	37
8	43	27	e19	e15	18	16	12	127	633	266	110	37
9	42	26	e20	e15	18	16	12	166	527	261	107	38
10	39	23	e21	e15	18	16	12	169	514	258	103	36
11	38	24	e19	e16	18	16	13	171	383	256	98	35
12	37	27	e18	e16	18	16	13	156	335	248	93	36
13	35	24	e20	e17	18	16	13	129	404	241	76	36
14	33	22	e21	18	18	15	e13	122	354	239	56	36
15	33	20	e22	19	17	14	e12	129	327	233	38	36
16	35	25	23	20	15	14	e6.0	119	462	231	38	36
17	33	24	23	20	15	14	e5.1	109	388	226	39	36
18	43	22	21	21	15	14	5.3	105	361	222	38	36
19	34	18	e21	20	e14	14	5.6	108	333	219	36	36
20	38	e18	e21	21	15	14	5.7	110	305	216	36	36
21	36	e15	e20	21	15	13	5.9	112	304	214	35	36
22	35	e17	e20	20	15	14	6.2	134	313	209	35	36
23	34	e14	e21	21	15	14	6.3	154	312	200	35	36
24	34	e14	e22	20	16	14	6.7	216	311	192	35	36
25	33	e20	e22	20	15	14	6.8	601	313	188	35	36
26	32	e21	e21	20	15	13	7.1	523	308	184	34	36
27	31	e20	e20	20	15	13	7.5	482	306	179	34	36
28	31	e21	e20	e20	16	13	7.8	592	303	163	34	36
29	28	e24	e20	e21	16	13	8.2	841	302	145	34	36
30	29	e27	e19	e21	---	13	8.4	691	302	142	33	36
31	35	---	e19	e20	---	12	---	675	---	139	33	---
TOTAL	1233	689	652	564	485	453	282.6	7581.0	13325	7020	2117	1078
MEAN	39.8	23.0	21.0	18.2	16.7	14.6	9.42	245	444	226	68.3	35.9
MAX	75	32	25	21	21	16	13	841	969	297	136	38
MIN	28	14	18	14	14	12	5.1	8.7	302	139	33	33
AC-FT	2450	1370	1290	1120	962	899	561	15040	26430	13920	4200	2140
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2000, BY WATER YEAR (WY)												
MEAN	40.9	29.2	24.7	20.1	16.2	15.5	32.2	203	559	367	162	92.3
MAX	81.9	46.0	36.7	34.5	29.0	21.8	71.4	298	897	774	264	146
(WY)	1999	1998	1991	1997	1997	1994	1994	1999	1991	1995	1993	1993
MIN	18.8	4.68	5.19	6.18	7.19	6.65	5.07	125	244	169	65.3	33.7
(WY)	1989	1989	1989	1989	1989	1991	1991	1990	1992	1994	1994	1994

06228450 SOUTH FORK LITTLE WIND RIVER BELOW WASHAKIE RESERVOIR, NEAR FORT WASHAKIE, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1989 - 2000	
ANNUAL TOTAL	67040		35479.6		--	
ANNUAL MEAN	184		96.9		130	
HIGHEST ANNUAL MEAN	--		--		189	1999
LOWEST ANNUAL MEAN	--		--		80.1	1994
HIGHEST DAILY MEAN	1170	Jun 24-26	969	Jun 2	1930	Jun 13 1991
LOWEST DAILY MEAN	14	Nov 23,24	5.1	Apr 17	3.5	Mar 17 1991
ANNUAL SEVEN-DAY MINIMUM	16	Jan 12	5.7	Apr 16	3.6	Mar 16 1991
INSTANTANEOUS PEAK FLOW	--		1440	Jun 1	2120	Jun 13 1991
INSTANTANEOUS PEAK STAGE	--		5.19	Jun 1	6.43	Jun 13 1991
ANNUAL RUNOFF (AC-FT)	133000		70370		94540	
10 PERCENT EXCEEDS	745		302		360	
50 PERCENT EXCEEDS	34		29		36	
90 PERCENT EXCEEDS	18		13		12	

e Estimated.



06228800 NORTH FORK LITTLE WIND RIVER NEAR FORT WASHAKIE, WY

LOCATION.--Lat 43°01'43", long 109°00'02", in NW$^1/_4$ SW$^1/_4$ SE$^1/_4$ sec.28, T.1 N., R.2 W., Fremont County, Hydrologic Unit 10080002, Wind River Indian Reservation, on left bank 0.2 mi upstream from North Fork Diversion Canal and 5.9 mi northeast of Fort Washakie.

DRAINAGE AREA.--112 mi^2.

PERIOD OF RECORD.--October 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,120 ft above sea level, from topographic map. Prior to Oct. 21, 1993, at site 2,000 ft upstream at different datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Diversions for irrigation of 80 acres upstream from station. Data collection platform with satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 680 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 25	0030	*937	*5.89

No other peak above base discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	40	e29	e21	e23	24	28	146	631	241	72	40
2	83	37	e28	e20	e23	24	29	201	543	242	70	50
3	77	40	e28	e18	e22	24	27	249	524	229	68	54
4	75	40	e25	e17	e20	25	32	315	533	225	68	69
5	72	39	e28	e16	e20	30	48	380	550	203	68	74
6	70	38	e28	e15	e22	31	43	420	564	196	67	77
7	67	36	e25	e15	e23	30	36	420	570	180	70	76
8	65	37	e23	e16	e23	29	36	375	576	149	68	76
9	63	36	e24	e16	23	28	41	316	584	138	65	74
10	60	35	e26	e16	22	29	43	283	559	142	65	67
11	58	35	e23	e17	21	29	43	257	486	144	64	63
12	55	35	e22	e17	21	27	49	218	436	140	60	59
13	52	34	e23	e17	e21	28	60	191	427	145	60	54
14	51	33	e25	e18	e21	28	73	176	431	141	58	51
15	48	33	e26	e19	e20	27	59	169	418	138	54	48
16	51	34	e26	e20	e18	27	52	168	416	131	51	44
17	51	33	e26	e22	e20	28	53	209	413	127	48	41
18	53	32	e25	e25	e22	26	60	281	363	131	48	40
19	49	e28	e26	e28	e25	27	68	299	327	128	48	39
20	51	e26	e25	e28	e28	28	74	295	323	125	45	38
21	51	e25	e24	e28	28	31	90	299	321	122	43	37
22	50	e23	e24	e27	27	31	90	373	296	117	40	41
23	49	e20	e26	e27	27	32	85	597	278	112	39	43
24	48	e17	e27	e25	27	30	87	893	273	105	38	44
25	47	e23	e26	e24	26	30	80	898	265	95	35	46
26	46	e26	e24	e25	26	31	85	829	282	91	34	48
27	45	e24	e23	e23	25	34	92	726	282	88	34	47
28	43	e25	e22	e24	24	36	111	716	277	84	33	45
29	43	e28	e22	e24	24	33	144	821	269	78	30	44
30	42	e30	e20	e24	---	30	135	783	254	76	29	44
31	43	---	e20	e23	---	28	---	724	---	74	34	---
TOTAL	1749	942	769	655	672	895	1953	13027	12471	4337	1606	1573
MEAN	56.4	31.4	24.8	21.1	23.2	28.9	65.1	420	416	140	51.8	52.4
MAX	91	40	29	28	28	36	144	898	631	242	72	77
MIN	42	17	20	15	18	24	27	146	254	74	29	37
AC-FT	3470	1870	1530	1300	1330	1780	3870	25840	24740	8600	3190	3120

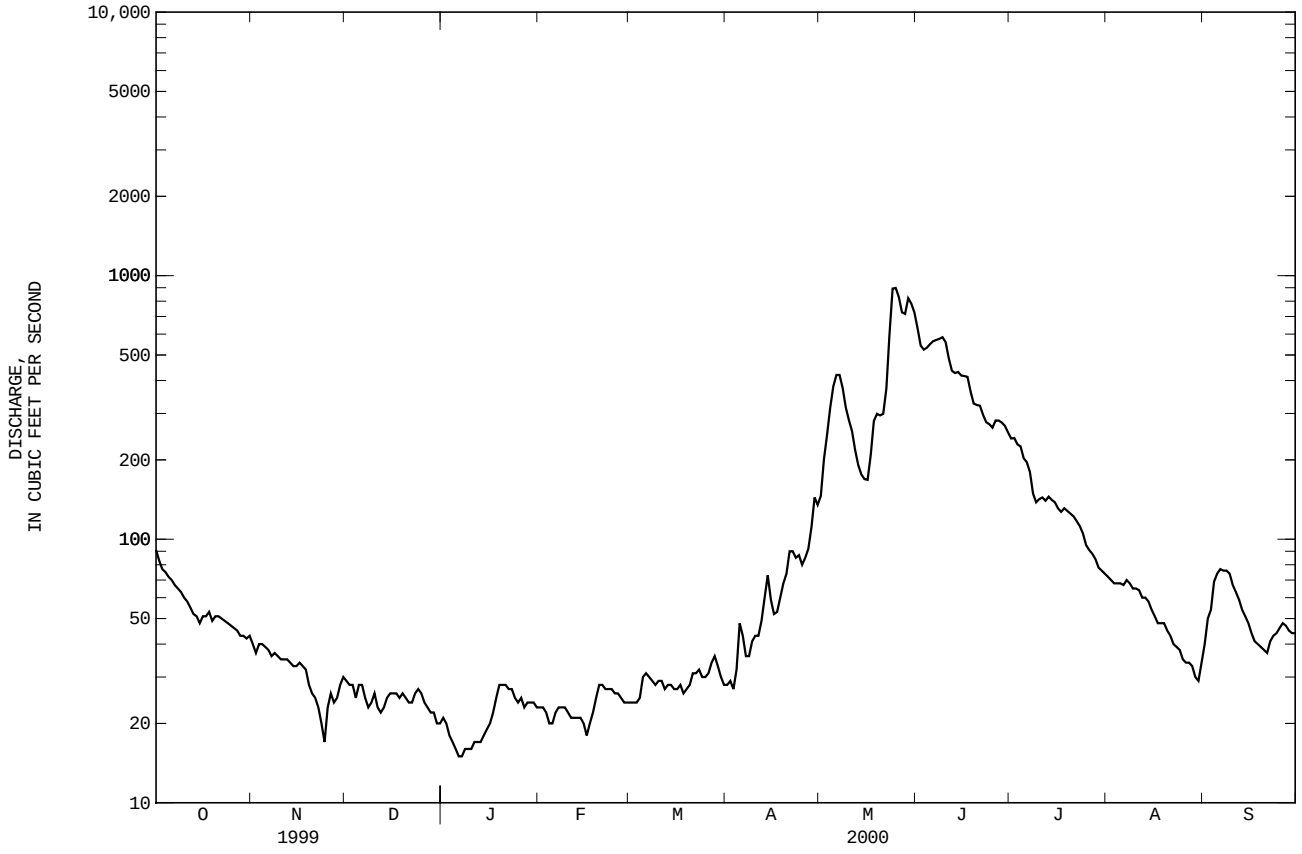
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2000, BY WATER YEAR (WY)

MEAN	52.0	36.0	26.4	20.6	19.1	27.1	55.3	282	663	357	132	70.3
MAX	76.1	57.3	50.1	31.9	29.5	38.8	84.5	420	1091	758	227	118
(WY)	1999	1999	1996	1996	1999	1995	1994	2000	1999	1995	1997	1997
MIN	13.5	14.7	13.6	8.95	8.52	16.1	27.5	143	212	74.9	51.8	35.5
(WY)	1989	1989	1989	1989	1989	1990	1993	1990	1992	1994	2000	1992

06228800 NORTH FORK LITTLE WIND RIVER NEAR FORT WASHAKIE, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1989 - 2000	
ANNUAL TOTAL	74207		40649		--	
ANNUAL MEAN	203		111		145	
HIGHEST ANNUAL MEAN	--		--		208	1999
LOWEST ANNUAL MEAN	--		--		76.1	1992
HIGHEST DAILY MEAN	1680	Jun 17	898	May 25	2070	Jun 13 1991
LOWEST DAILY MEAN	17	Nov 24	15	Jan 6,7	6.5	Feb 3 1989
ANNUAL SEVEN-DAY MINIMUM	22	Dec 25	16	Jan 4	7.4	Feb 2 1989
INSTANTANEOUS PEAK FLOW	--		937	May 25	2360[a]	Jun 13 1991
INSTANTANEOUS PEAK STAGE	--		5.89	May 25	7.19	Jun 17 1999
ANNUAL RUNOFF (AC-FT)	147200		80630		105300	
10 PERCENT EXCEEDS	744		315		419	
50 PERCENT EXCEEDS	51		43		47	
90 PERCENT EXCEEDS	26		22		18	

a Gage height, 6.20 ft, site and datum then in use.
e Estimated.



06229900 TROUT CREEK NEAR FORT WASHAKIE, WY

LOCATION.--Lat 42°57'04", long 108°56'54", in SE$^1/_4$ NW$^1/_4$ NW$^1/_4$ sec.25, T.1 S., R.2 W., Fremont County, Hydrologic Unit 10080002, Wind River Indian Reservation, 50 ft upstream of Blue Trail Crossing, and 5.0 miles southwest of Fort Washakie.

DRAINAGE AREA.--16.1 mi^2.

PERIOD OF RECORD.--Annual maximum, water years 1961-68, 1970-84. May 1990 to current year (no winter records since 1997).

GAGE.--Water-stage recorder. Elevation of gage is 5,935 ft above sea level, from topographic map. Oct. 1, 1961 to Sept. 30, 1968, crest-stage gage at site 100 ft downstream at datum 1.05 ft lower. Oct. 1, 1969 to Sept. 30, 1984, crest-stage gage at present site at datum 1.05 ft lower.

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	5.6	7.5	15	7.1	5.8	5.6
2	---	---	---	---	---	---	5.6	8.0	14	7.0	5.6	5.5
3	---	---	---	---	---	---	5.6	8.1	13	6.8	5.7	5.5
4	---	---	---	---	---	---	5.6	8.8	12	6.8	5.8	5.4
5	---	---	---	---	---	---	6.2	9.4	11	6.7	6.0	5.5
6	---	---	---	---	---	---	6.3	9.8	11	6.6	5.9	5.3
7	---	---	---	---	---	---	6.1	9.6	10	6.7	5.8	5.3
8	---	---	---	---	---	---	6.0	9.8	9.8	6.5	5.7	5.5
9	---	---	---	---	---	---	6.0	9.2	9.6	6.4	5.6	5.5
10	---	---	---	---	---	---	6.0	9.1	9.4	6.4	5.6	5.4
11	---	---	---	---	---	---	6.0	8.8	9.2	6.4	5.6	5.2
12	---	---	---	---	---	---	6.0	8.4	8.8	6.3	5.7	5.2
13	---	---	---	---	---	---	6.0	8.3	9.0	6.2	5.6	5.2
14	---	---	---	---	---	---	6.0	8.4	8.7	6.1	5.7	5.2
15	---	---	---	---	---	---	6.0	8.4	8.6	6.0	5.7	5.2
16	---	---	---	---	---	---	6.0	8.4	8.7	6.0	5.7	5.2
17	---	---	---	---	---	---	6.0	9.7	9.1	6.1	5.8	5.2
18	---	---	---	---	---	---	6.0	8.7	8.9	6.2	5.8	5.2
19	---	---	---	---	---	---	6.6	9.3	8.8	6.0	5.9	5.2
20	---	---	---	---	---	---	6.3	10	8.5	5.9	5.8	5.2
21	---	---	---	---	---	---	6.2	13	8.2	5.9	5.8	5.2
22	---	---	---	---	---	---	6.2	16	8.0	5.8	5.8	5.2
23	---	---	---	---	---	---	6.2	19	7.8	5.6	5.6	5.2
24	---	---	---	---	---	---	6.2	23	7.6	5.6	5.6	5.2
25	---	---	---	---	---	---	6.2	23	7.5	5.6	5.7	5.0
26	---	---	---	---	---	---	6.4	22	7.5	5.8	5.6	5.0
27	---	---	---	---	---	---	6.4	20	7.5	5.8	5.7	5.2
28	---	---	---	---	---	---	7.8	20	7.4	5.8	5.6	5.4
29	---	---	---	---	---	---	8.7	19	7.3	5.8	5.6	5.5
30	---	---	---	---	---	---	7.7	18	7.2	5.8	5.5	5.5
31	---	---	---	---	---	---	---	16	---	5.8	5.5	---
TOTAL	---	---	---	---	---	---	187.9	386.7	279.1	191.5	176.8	158.9
MEAN	---	---	---	---	---	---	6.26	12.5	9.30	6.18	5.70	5.30
MAX	---	---	---	---	---	---	8.7	23	15	7.1	6.0	5.6
MIN	---	---	---	---	---	---	5.6	7.5	7.2	5.6	5.5	5.0
AC-FT	---	---	---	---	---	---	373	767	554	380	351	315

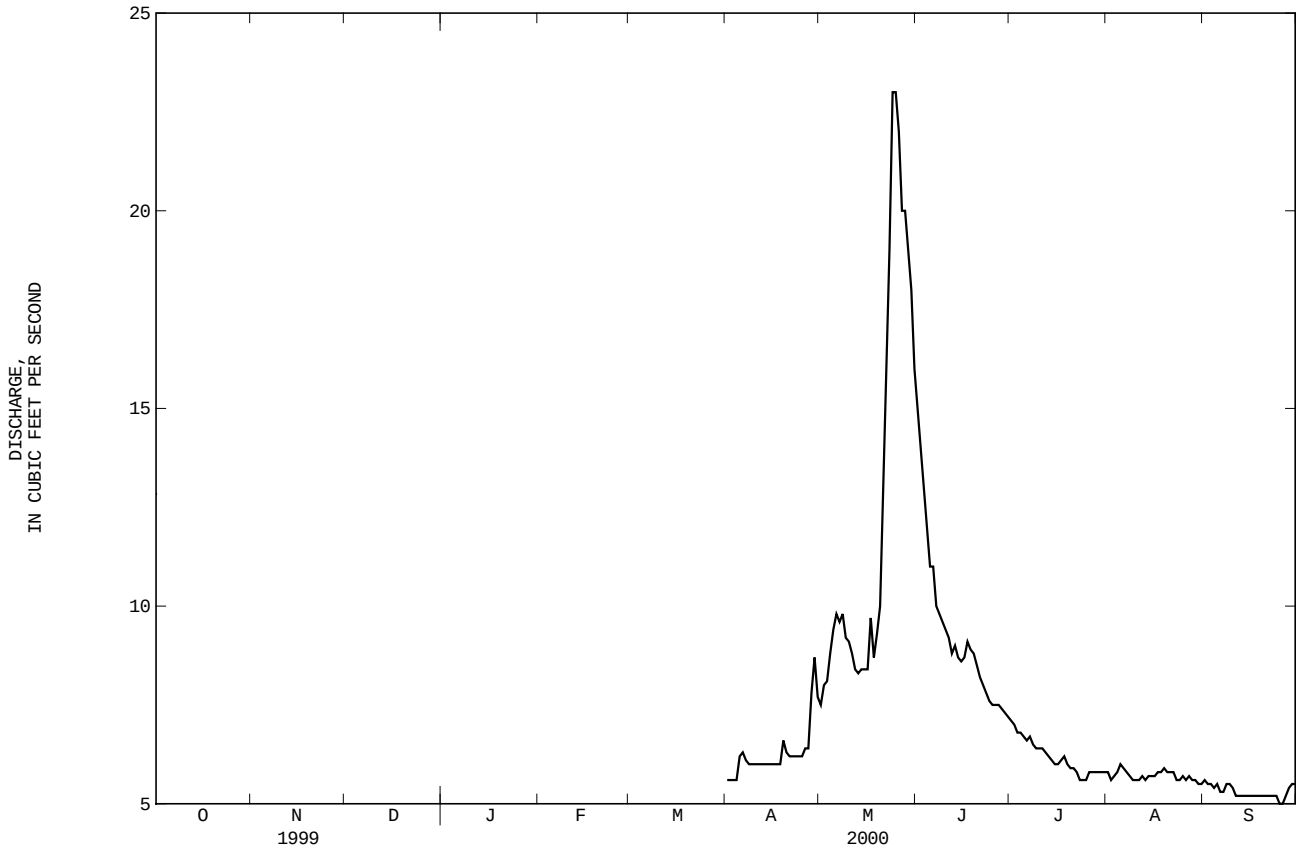
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1996, BY WATER YEAR (WY)*

MEAN	5.79	5.28	4.79	4.57	4.38	4.54	5.55	18.4	39.7	13.4	6.91	5.89
MAX	8.45	7.37	6.26	5.97	5.15	5.52	7.47	32.4	105	37.1	11.3	9.37
(WY)	1996	1996	1996	1996	1996	1996	1996	1991	1995	1995	1995	1995
MIN	3.77	4.12	3.78	3.71	3.44	3.78	4.05	12.3	7.71	4.43	3.65	3.65
(WY)	1991	1991	1995	1991	1991	1991	1991	1992	1994	1994	1994	1994

06229900 TROUT CREEK NEAR FORT WASHAKIE, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1990 - 1996	
ANNUAL MEAN	--		10.4	
HIGHEST ANNUAL MEAN	--		17.3	1995
LOWEST ANNUAL MEAN	--		5.95	1994
HIGHEST DAILY MEAN	23	May 24,25	316	Jun 2 1991
LOWEST DAILY MEAN	5.0	Sept 25,26	3.0	Dec 22 1990
ANNUAL SEVEN-DAY MINIMUM	--		3.3	Feb 14 1991
INSTANTANEOUS PEAK FLOW	26	May 24	500[a]	Jun 2 1991#
INSTANTANEOUS PEAK STAGE	4.90	May 24	7.49	Jun 2 1991#
ANNUAL RUNOFF (AC-FT)	--		7550	

* During period of operation.
\# For period of record, 1961-68, 1970-84, 1990 to current year.
a From rating curve extended above 160 ft^3/s on basis of slope-conveyance computation of peak flow.



06232600 POPO AGIE RIVER AT HUDSON SIDING, NEAR LANDER, WY

LOCATION.--Lat 42°51'59", long 108°41'04", in NW¼ NE¼ sec.30, T.2 S., R.2 E., Fremont County, Hydrologic Unit 10080003, Wind River Indian Reservation, on left bank at bridge on private road, 1.2 mi downstream from North Popo Agie River, and 3.2 mi northeast of Lander.

PERIOD OF RECORD.--October 1984 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
NOV							
09...	1300	97	635	138	13.9	8.9	579
MAR							
23...	1400	104	625	118	11.3	8.3	626
JUN							
22...	1325	290	630	118	9.4	8.6	385
SEP							
14...	1115	45	639	163	14.0	8.6	865

DATE	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV							
09...	14.0	7.0	<.020	.109	<.010	.015	K1
MAR							
23...	15.0	8.5	.088	.271	<.010	.030	K11
JUN							
22...	30.0	17.0	.065	<.050	.081	.026	35
SEP							
14...	25.0	14.0	<.020	<.050	.010	.038	83

K Results based on colony count outside the acceptable range (non-ideal colony count).

06233000 LITTLE POPO AGIE RIVER NEAR LANDER, WY

LOCATION.--Lat 42°43'00", long 108°38'34", in NE$^1/_4$ SE$^1/_4$ sec.27, T.32 N., R.99 W., Fremont County, Hydrologic Unit 10080003, on left bank 700 ft downstream from bridge on State Highway 28, 2.5 mi downstream from Red Canyon Creek, and 9.5 mi southeast of post office in Lander.

DRAINAGE AREA.--125 mi^2.

PERIOD OF RECORD.--March 1946 to current year (no winter records since 1971).

REVISED RECORDS.--WSP 1709: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,436.49 ft above sea level.

REMARKS.--Records good. Diversions for irrigation of about 540 acres upstream from station. Slight regulation by Christina Lake, capacity, about 3,860 acre-ft. Results of discharge measurements, in cubic feet per second, made during period when station was not in operation, are given below:

Oct. 1 . . . 56.8
Mar. 28 . . . 29.5

COOPERATION.--Station operated and record provided by the Wyoming State Engineer's Office; record reviewed by U.S. Geological Survey.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 350 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 29	0630	*418	*3.94

No other peaks above base discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	26	96	290	77	62	36
2	---	---	---	---	---	---	27	118	243	78	61	40
3	---	---	---	---	---	---	25	153	251	78	61	42
4	---	---	---	---	---	---	27	180	263	73	61	37
5	---	---	---	---	---	---	36	214	267	69	59	35
6	---	---	---	---	---	---	35	223	267	63	59	32
7	---	---	---	---	---	---	33	204	264	59	57	31
8	---	---	---	---	---	---	29	188	252	55	55	30
9	---	---	---	---	---	---	32	157	243	54	54	28
10	---	---	---	---	---	---	34	142	220	55	55	28
11	---	---	---	---	---	---	34	137	194	57	52	27
12	---	---	---	---	---	---	39	116	183	54	51	26
13	---	---	---	---	---	---	44	109	191	51	49	26
14	---	---	---	---	---	---	52	109	175	48	48	25
15	---	---	---	---	---	---	46	109	164	45	49	24
16	---	---	---	---	---	---	38	111	182	45	49	24
17	---	---	---	---	---	---	39	146	167	52	51	23
18	---	---	---	---	---	---	45	154	142	57	49	24
19	---	---	---	---	---	---	55	161	137	52	52	24
20	---	---	---	---	---	---	52	164	134	48	47	26
21	---	---	---	---	---	---	60	180	121	45	44	27
22	---	---	---	---	---	---	69	206	109	44	39	31
23	---	---	---	---	---	---	63	256	107	44	37	34
24	---	---	---	---	---	---	67	340	107	49	34	35
25	---	---	---	---	---	---	59	353	105	71	31	37
26	---	---	---	---	---	---	62	321	101	70	30	37
27	---	---	---	---	---	---	71	290	96	69	30	37
28	---	---	---	---	---	---	82	306	92	69	28	37
29	---	---	---	---	---	---	100	370	84	69	25	37
30	---	---	---	---	---	---	90	338	78	67	24	35
31	---	---	---	---	---	---	---	320	---	63	27	---
TOTAL	---	---	---	---	---	---	1471	6271	5229	1830	1430	935
MEAN	---	---	---	---	---	---	49.0	202	174	59.0	46.1	31.2
MAX	---	---	---	---	---	---	100	370	290	78	62	42
MIN	---	---	---	---	---	---	25	96	78	44	24	23
AC-FT	---	---	---	---	---	---	2920	12440	10370	3630	2840	1850

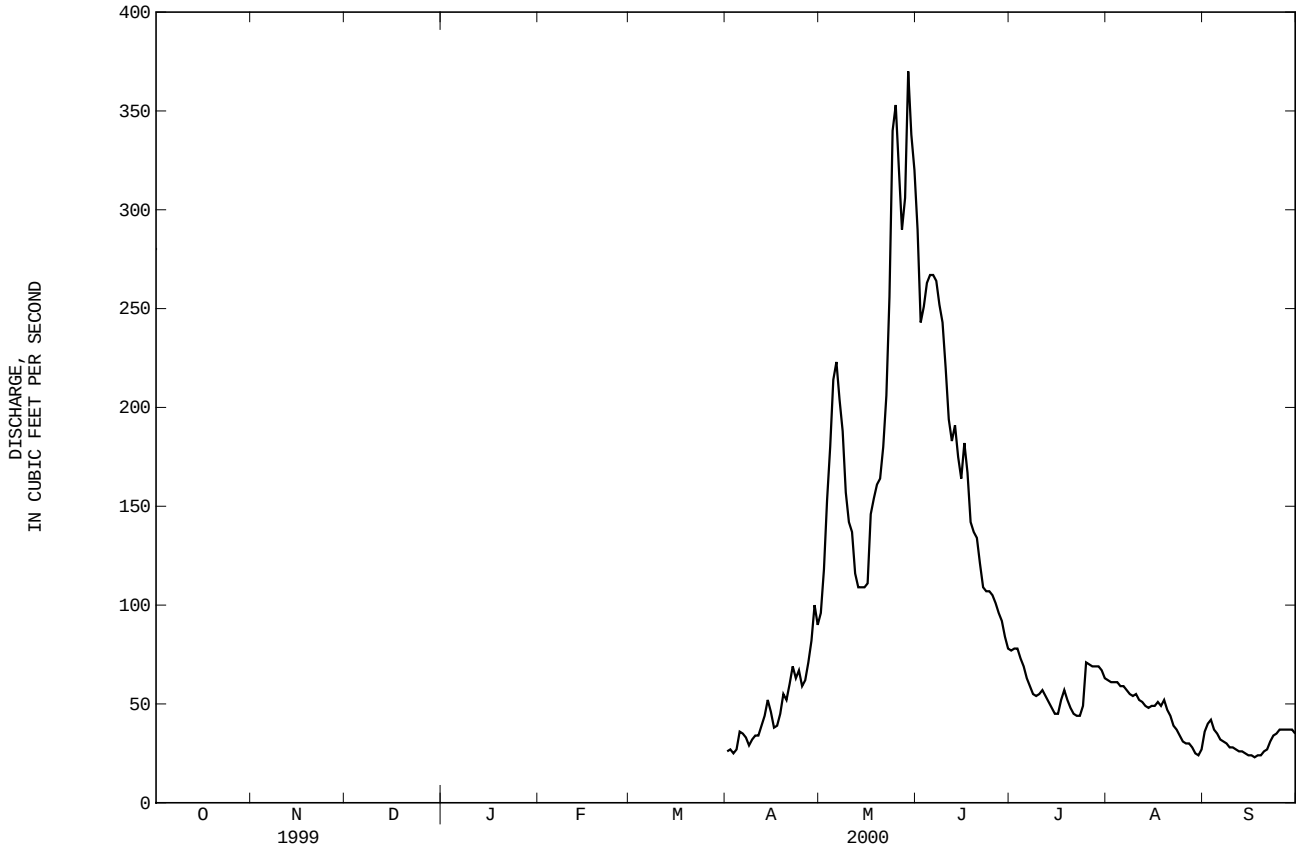
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2000, BY WATER YEAR (WY)

MEAN	35.6	29.7	25.6	23.4	23.7	24.6	48.9	204	342	137	55.9	47.2
MAX	50.7	41.8	35.8	32.9	42.5	33.9	109	398	856	404	98.6	114
(WY)	1972	1951	1951	1948	1962	1948	1987	1980	1986	1995	1950	1973
MIN	22.5	21.4	17.5	13.9	17.4	18.8	26.3	79.3	73.4	34.5	21.9	22.3
(WY)	1961	1963	1960	1963	1960	1957	1982	1977	1977	1961	1960	1994

06233000 LITTLE POPO AGIE RIVER NEAR LANDER, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1946 - 2000*	
ANNUAL MEAN	--		80.4	
HIGHEST ANNUAL MEAN	--		131	1965
LOWEST ANNUAL MEAN	--		37.0	1960
HIGHEST DAILY MEAN	370	May 30	1590	Jun 16 1963
LOWEST DAILY MEAN	23	Sep 17	12	Several days, 1960,1963
INSTANTANEOUS PEAK FLOW	418	May 29	2010	Jun 16 1963
INSTANTANEOUS PEAK STAGE	3.94	May 29	6.64	Jun 16 1963
ANNUAL RUNOFF (AC-FT)	--		58230	

* During period of operation.



06235500 LITTLE WIND RIVER NEAR RIVERTON, WY

LOCATION.--Lat 42°59'51", long 108°22'29", in NE$^1/_4$ NW$^1/_4$ sec.11, T.1 S., R.4 E., Fremont County, Hydrologic Unit 10080002, Wind River Indian Reservation, on right bank 1.8 mi upstream from mouth and 1.9 mi southeast of Riverton.

DRAINAGE AREA.--1,904 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1941 to current year. Prior to October 1958, published as Popo Agie River near Riverton.

REVISED RECORDS.--WSP 1729: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,901.84 ft above sea level. Prior to Sept. 19, 1956, at site 600 ft downstream at same datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Diversions for irrigation of about 62,900 acres upstream from station. Bureau of Reclamation data collection platform with satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 3,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 29	1800	*2,720	*5.43

No peak greater than base discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	465	332	314	e230	e170	e260	222	425	2150	391	78	55
2	476	325	313	e200	e180	271	225	452	2110	395	99	88
3	446	307	299	e180	e200	256	231	524	1880	391	115	129
4	419	329	292	e170	e190	250	228	602	1600	339	124	140
5	398	343	228	e190	e180	253	222	829	1630	290	126	108
6	377	329	e240	e200	e200	261	237	1210	1780	282	130	85
7	366	320	e250	e220	e200	262	249	1180	1680	259	136	70
8	355	311	e220	e240	e210	255	241	1120	1670	222	129	70
9	358	311	e170	e250	e210	247	230	818	1570	199	117	66
10	374	309	e150	e260	e220	241	235	608	1410	193	95	66
11	371	301	e170	e260	e230	243	237	589	1190	166	89	63
12	369	297	e200	e250	e250	237	227	502	940	150	94	60
13	362	310	e220	e240	e240	232	233	391	875	139	91	57
14	351	312	e210	e250	e230	227	252	332	943	126	90	52
15	361	305	e200	e240	e220	232	286	284	821	126	80	54
16	392	304	e220	e240	e210	232	274	243	923	124	74	52
17	420	320	e230	e230	e220	222	252	228	1130	122	71	53
18	416	325	e260	e240	e210	229	240	751	985	132	73	55
19	458	315	e240	e250	e190	221	337	675	796	159	83	54
20	441	300	e230	e230	e200	235	448	608	863	152	89	59
21	443	307	e260	e250	e220	247	365	609	743	140	80	66
22	428	299	e250	e270	e240	231	360	683	611	129	77	89
23	409	276	e250	e270	e270	236	370	924	575	105	74	152
24	395	215	e250	e250	e260	256	367	1530	569	106	64	183
25	385	260	e250	e270	e240	259	362	2110	573	89	63	224
26	376	326	e240	e263	e210	244	346	2350	590	71	55	240
27	349	355	e240	e240	e240	238	344	2110	574	68	52	231
28	342	334	e250	e220	e260	242	367	1920	537	75	49	216
29	340	315	e240	e200	e280	247	378	2380	511	79	45	210
30	333	313	e240	e170	---	239	439	2640	441	75	45	204
31	326	---	e220	e160	---	233	---	2360	---	76	47	---
TOTAL	12101	9305	7346	7133	6380	7538	8804	31987	32670	5370	2634	3251
MEAN	390	310	237	230	220	243	293	1032	1089	173	85.0	108
MAX	476	355	314	270	280	271	448	2640	2150	395	136	240
MIN	326	215	150	160	170	221	222	228	441	68	45	52
AC-FT	24000	18460	14570	14150	12650	14950	17460	63450	64800	10650	5220	6450

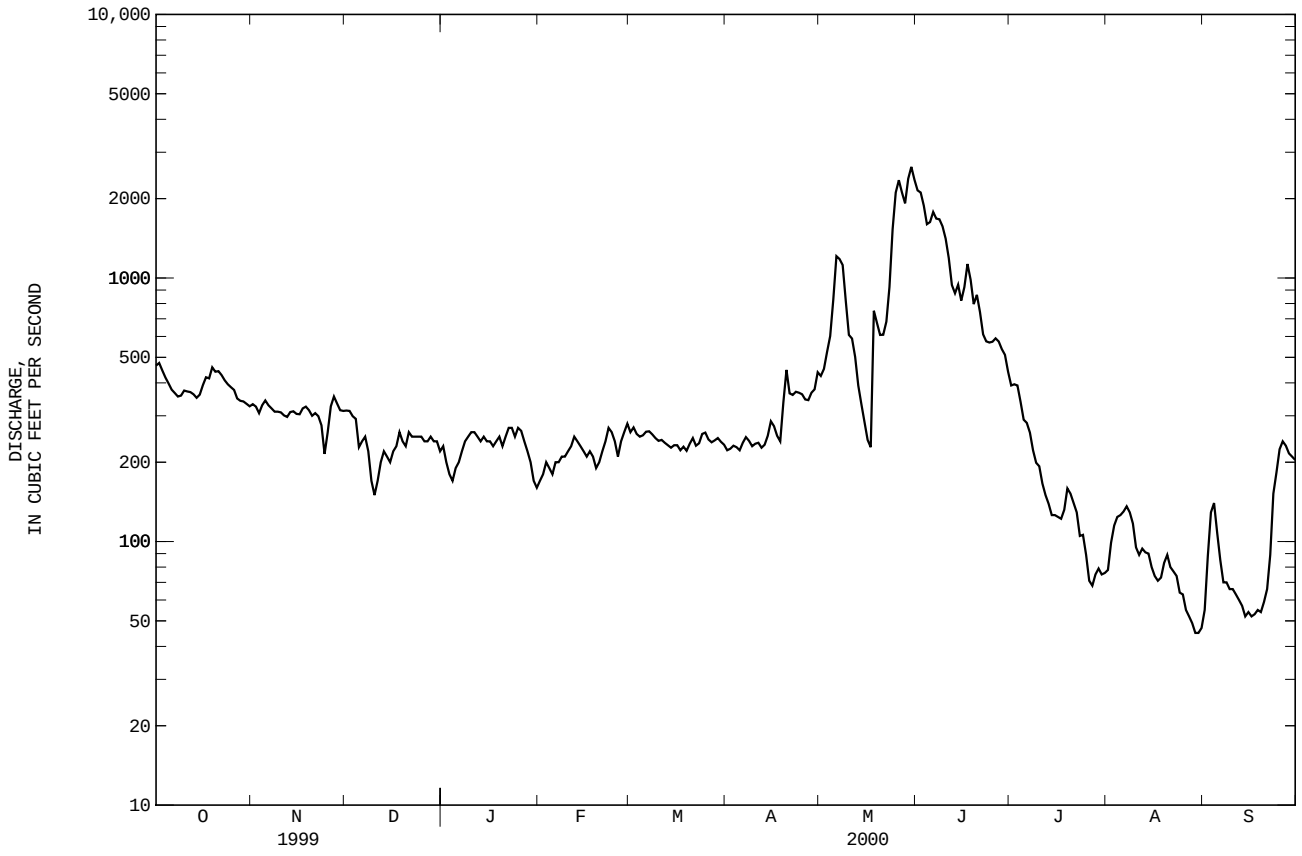
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2000, BY WATER YEAR (WY)

MEAN	329	286	215	189	212	270	374	1131	2434	1015	272	263
MAX	728	501	351	302	728	579	1044	2351	5109	3345	699	1323
(WY)	1983	1974	1974	1974	1962	1998	1973	1958	1983	1995	1965	1973
MIN	115	174	129	95.0	123	181	148	242	288	111	58.4	82.5
(WY)	1989	1989	1959	1961	1959	1989	1989	1960	1977	1994	1960	1994

06235500 LITTLE WIND RIVER NEAR RIVERTON, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1941 - 2000	
ANNUAL TOTAL	347592		134519		--	
ANNUAL MEAN	952		368		583	
HIGHEST ANNUAL MEAN	--		--		1021	1983
LOWEST ANNUAL MEAN	--		--		236	1960
HIGHEST DAILY MEAN	6060	Jun 23	2640	May 30	12800	Jun 17 1963
LOWEST DAILY MEAN	150	Dec 10	45	Aug 29	41	Aug 7 1960
ANNUAL SEVEN-DAY MINIMUM	189	Dec 9	50	Aug 26	46	Aug 5 1960
INSTANTANEOUS PEAK FLOW	--		2720	May 29	14700	Jun 17 1963
INSTANTANEOUS PEAK STAGE	--		5.43	May 29	10.85	Jun 17 1963
ANNUAL RUNOFF (AC-FT)	689400		266800		422700	
10 PERCENT EXCEEDS	3150		701		1470	
50 PERCENT EXCEEDS	331		247		268	
90 PERCENT EXCEEDS	234		80		149	

e Estimated.



06235500 LITTLE WIND RIVER NEAR RIVERTON, WY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1949-58, 1960-64, 1966 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV										
09...	1030	311	643	97	10.4	8.6	919	14.0	5.0	K11
MAR										
23...	1530	237	630	120	11.1	8.5	925	12.0	10.0	K11
JUN										
14...	1130	914	640	111	9.1	8.6	385	26.0	16.5	66
SEP										
14...	1320	50	644	109	8.5	8.4	1120	27.0	19.0	40

K Results based on colony count outside the acceptable range (non-ideal colony count).

06236100 WIND RIVER ABOVE BOYSEN RESERVOIR, NEAR SHOSHONI, WY

LOCATION.--Lat 43°07'45", long 108°13'24", in $SE^1/_4$ $SE^1/_4$ $SE^1/_4$ sec.24, T.2 N., R.5 E., Fremont County, Hydrologic Unit 10080001, on left bank 5.3 mi upstream from Boysen Reservoir and 9.4 mi southwest of Shoshoni.

DRAINAGE AREA.--4,390 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1990 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,775 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Natural flow affected by Bull Lake, Pilot Butte Reservoir, and several small reservoirs, combined capacity, 190,000 acre-ft, and diversions for irrigation of about 191,000 acres upstream from station. Data collection platform with satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	894	920	787	e570	e460	e560	395	593	2950	742	269	254
2	846	912	792	e530	e470	e570	380	563	2470	809	278	274
3	782	859	772	e520	e500	e570	381	602	2110	956	281	288
4	742	865	726	e490	e480	e550	389	647	1810	961	294	318
5	705	907	711	e520	e470	e570	347	788	2310	861	294	296
6	667	902	701	e540	e500	e590	344	1160	2840	686	318	280
7	615	890	743	e570	e520	e630	373	1150	2720	431	324	272
8	584	870	740	e580	e530	649	369	1060	2790	336	309	274
9	625	859	632	e580	e550	640	411	850	2660	309	303	277
10	883	865	481	e590	e550	612	412	675	2380	296	281	273
11	886	848	e550	e580	e540	608	403	673	1770	281	279	269
12	897	827	e580	e570	e540	589	387	626	1210	256	270	271
13	842	845	e600	e560	e520	568	379	552	1040	240	270	273
14	775	844	e600	e560	e500	557	425	512	1050	239	266	269
15	1040	830	e570	e560	e500	565	489	476	938	242	260	275
16	1190	814	e550	e570	e470	579	503	423	970	245	242	273
17	1230	822	e610	e570	e490	568	452	434	1210	270	232	280
18	1270	857	e650	e590	e470	553	423	904	1120	297	236	280
19	1260	839	e620	e620	e430	558	475	832	959	299	238	273
20	1310	815	e600	e600	e450	566	598	742	1010	292	247	269
21	1180	779	e620	e620	e500	588	527	717	922	278	235	270
22	1050	808	e620	e630	e540	559	498	750	782	262	229	295
23	1030	742	e640	e630	e570	552	519	904	716	259	226	393
24	992	657	e640	e620	e550	578	527	1900	678	261	209	489
25	972	668	e640	e640	e540	596	520	3050	689	261	206	501
26	1050	743	e640	e620	e480	587	507	3670	710	251	208	501
27	981	828	e640	e580	e530	573	486	2940	909	258	214	448
28	960	814	e660	e550	e570	595	500	2360	1350	266	205	408
29	949	785	e620	e520	e600	544	523	2990	1260	274	182	392
30	930	772	e600	e470	---	448	612	3880	1010	277	180	384
31	912	---	e580	e440	---	415	---	3470	---	273	212	---
TOTAL	29049	24786	19915	17590	14820	17687	13554	40893	45343	11968	7797	9619
MEAN	937	826	642	567	511	571	452	1319	1511	386	252	321
MAX	1310	920	792	640	600	649	612	3880	2950	961	324	501
MIN	584	657	481	440	430	415	344	423	678	239	180	254
AC-FT	57620	49160	39500	34890	29400	35080	26880	81110	89940	23740	15470	19080

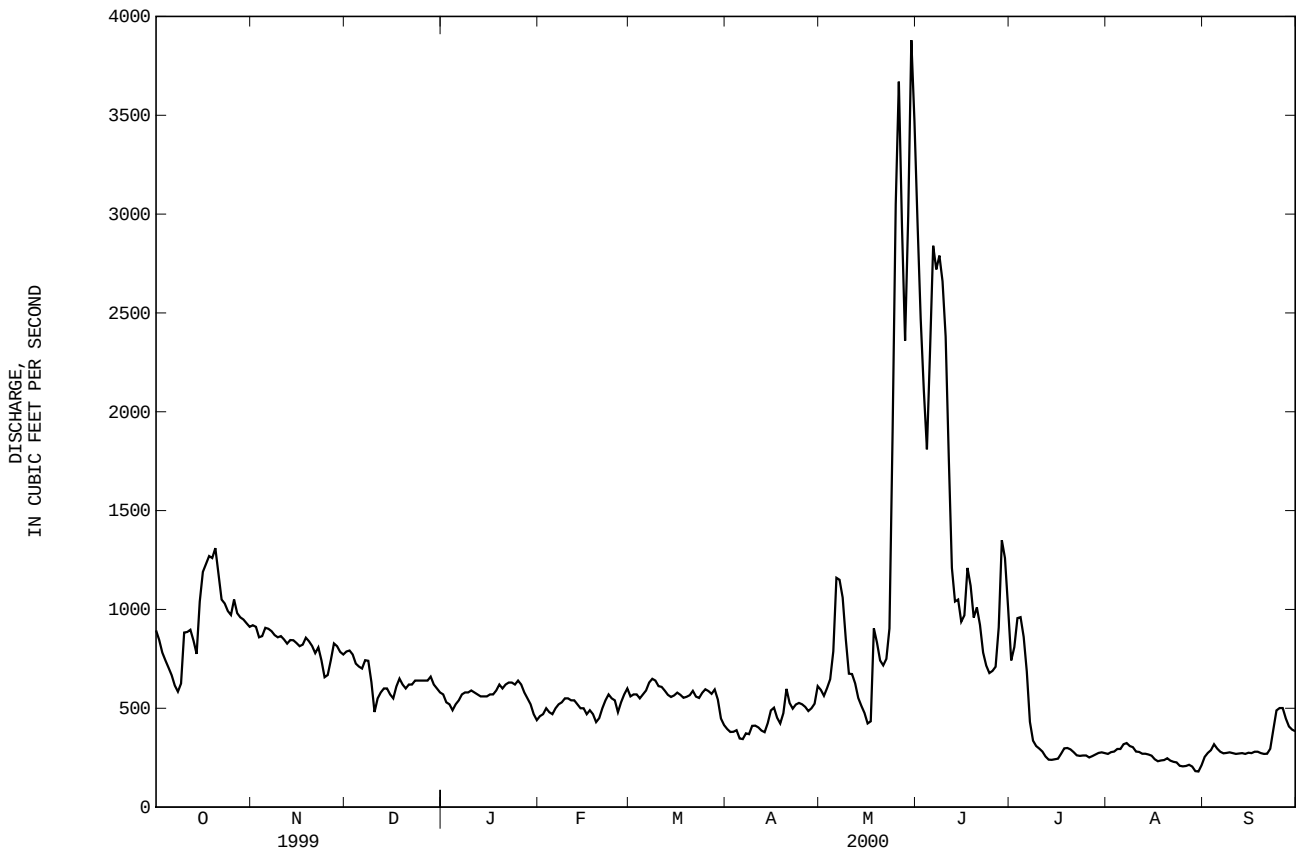
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2000, BY WATER YEAR (WY)

MEAN	815	837	581	564	580	720	665	1896	5173	2243	689	578
MAX	1455	1212	719	665	755	1096	1074	4175	9432	6650	1696	860
(WY)	1999	1999	1996	1996	1996	1998	1999	1999	1999	1995	1997	1997
MIN	393	631	442	356	361	557	398	513	598	195	252	312
(WY)	1993	1993	1994	1993	1994	1991	1992	1990	1994	1994	2000	1994

06236100 WIND RIVER ABOVE BOYSEN RESERVOIR, NEAR SHOSHONI, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1990 - 2000	
ANNUAL TOTAL	723307		253021		--	
ANNUAL MEAN	1982		691		1327	
HIGHEST ANNUAL MEAN	--		--		2063	1999
LOWEST ANNUAL MEAN	--		--		551	1994
HIGHEST DAILY MEAN	14800	Jun 20	3880	May 30	17900	Jun 14 1991
LOWEST DAILY MEAN	456	Aug 27	180	Aug 30	152	Jul 21 1994
ANNUAL SEVEN-DAY MINIMUM	469	Aug 25	201	Aug 24	156	Jul 20 1994
INSTANTANEOUS PEAK FLOW	--		4290	May 30	18700	Jun 14 1991
INSTANTANEOUS PEAK STAGE	--		4.69	May 30	9.31	Jun 14 1991
ANNUAL RUNOFF (AC-FT)	1435000		501900		961300	
10 PERCENT EXCEEDS	6090		1040		2670	
50 PERCENT EXCEEDS	770		570		664	
90 PERCENT EXCEEDS	568		270		387	

e Estimated.



06236100 WIND RIVER ABOVE BOYSEN RESERVOIR, NEAR SHOSHONI, WY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1974 to current year.

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE: April 1991 to current year (irrigation season only).

INSTRUMENTATION: Sediment pumping sampler set for once or twice daily.

EXTREMES FOR PERIOD OF RECORD.--
SEDIMENT CONCENTRATIONS: Maximum daily mean during period of operation, 5,630 mg/L, June 13, 1991; minimum daily mean during period of operation, 17 mg/L, Aug. 31, 1998.
SEDIMENT LOADS: Maximum daily during period of operation, 242,000 tons, June 13, 1991; minimum daily during period of operation, 8.3 tons, July 20, 1994.

EXTREMES FOR CURRENT YEAR.--
SEDIMENT CONCENTRATIONS: Maximum daily mean during period of operation, 1,810 mg/L, May 19; minimum daily mean during period of operation, 24 mg/L, July 22.
SEDIMENT LOADS: Maximum daily during period of operation, 10,400 tons, May 26; minimum daily during period of operation, 17 tons, July 13, 22, 23.

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	95	152	390	3110	157	315	---	---	---	---
2	---	---	78	119	338	2250	123	269	---	---	---	---
3	---	---	88	143	356	2030	96	248	---	---	---	---
4	---	---	114	199	280	1370	70	182	---	---	---	---
5	---	---	151	321	385	2400	382	888	---	---	---	---
6	---	---	280	877	420	3220	85	157	---	---	---	---
7	---	---	253	786	382	2810	30	35	---	---	---	---
8	---	---	193	552	345	2600	50	45	---	---	---	---
9	---	---	143	328	338	2430	47	39	---	---	---	---
10	---	---	99	180	224	1440	32	26	---	---	---	---
11	---	---	90	164	145	693	39	30	---	---	---	---
12	---	---	84	142	117	382	32	22	---	---	---	---
13	---	---	162	241	90	253	27	17	---	---	---	---
14	---	---	94	130	70	198	40	26	---	---	---	---
15	---	---	74	95	65	165	38	25	---	---	---	---
16	---	---	54	62	80	210	29	19	---	---	---	---
17	---	---	128	150	98	320	35	26	---	---	---	---
18	---	---	1720	4200	83	251	39	31	---	---	---	---
19	---	---	1810	4070	50	129	32	26	---	---	---	---
20	---	---	864	1730	60	164	32	25	---	---	---	---
21	---	---	400	774	60	149	32	24	---	---	---	---
22	---	---	310	628	43	91	24	17	---	---	---	---
23	---	---	356	869	62	120	25	17	---	---	---	---
24	---	---	884	4530	1010	1850	34	24	---	---	---	---
25	---	---	1050	8650	160	298	34	24	---	---	---	---
26	---	---	1050	10400	160	307	32	22	---	---	---	---
27	---	---	715	5680	945	2540	38	26	---	---	---	---
28	---	---	500	3190	278	1010	35	25	---	---	---	---
29	---	---	458	3700	80	272	38	28	---	---	---	---
30	---	---	700	7330	77	210	40	30	---	---	---	---
31	---	---	585	5480	---	---	40	29	---	---	---	---
TOTAL	---	---	---	65872	---	33272	---	2717	---	---	---	---

06244500 FIVEMILE CREEK ABOVE WYOMING CANAL, NEAR PAVILLION, WY

LOCATION.--Lat 43°18'05", long 108°42'08", in SE$^1/_4$ SW$^1/_4$ SE$^1/_4$ sec.24, T.4 N., R.1 E., Fremont County, Hydrologic Unit 10080005, on left bank 1,700 ft upstream from Wyoming Canal siphon and 4.0 mi north of Pavillion.

DRAINAGE AREA.--118 mi^2.

PERIOD OF RECORD.--October 1949 to September 1975, October 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,500 ft above sea level, from topographic map. Aug. 27, 1948, to Mar. 28, 1950, at site 0.2 mi downstream at different datum. Mar. 29, 1950, to Apr. 23, 1974, at site 325 ft downstream at present datum. Apr. 24, 1974, to September 30, 1975, at site 25 ft downstream at present datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow regulated by reservoir system about 10.5 mi upstream. Diversion for irrigation of about 320 acres upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in September 1948 reached a stage of about 6.1 ft, discharge, 2,600 ft^3/s, on basis of slope-area measurement of peak flow.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.9	7.0	e5.8	e3.2	e1.3	9.1	5.9	4.2	2.4	.24	.74	.29
2	6.1	6.7	e5.6	e2.9	e1.6	8.9	5.8	3.8	2.3	.13	.49	.33
3	6.0	6.5	e5.6	e2.5	e3.0	9.0	5.7	3.4	2.2	.09	.11	.31
4	5.8	6.3	e5.5	e1.8	e6.4	9.1	5.5	3.4	1.9	.08	.02	.43
5	5.7	5.3	e5.7	e1.7	e6.0	9.1	5.2	3.2	1.8	.06	.02	.77
6	5.7	5.0	e6.0	e2.2	e5.0	9.4	5.0	3.4	1.7	.05	.02	.98
7	5.6	5.1	e6.2	e2.8	e4.5	9.1	5.0	4.4	1.5	.05	.02	1.2
8	5.5	5.2	e6.1	e3.0	e5.0	9.6	5.1	5.1	1.3	.05	.03	1.3
9	5.5	5.6	e5.7	e2.6	e5.6	9.0	5.1	4.9	1.3	.04	.03	.88
10	5.3	5.7	e5.0	e3.0	e5.8	8.6	5.0	4.4	1.1	.04	.03	.47
11	5.4	5.7	e5.0	e3.5	e5.8	8.7	4.9	4.6	1.1	.03	.03	.19
12	5.3	5.6	e5.0	e3.7	e5.2	8.6	4.8	4.2	1.0	.03	.03	.07
13	4.8	5.7	e5.2	e4.2	e5.0	8.2	4.6	4.0	1.2	.03	.04	.06
14	5.2	5.7	e5.2	e3.5	e5.2	8.0	4.7	4.1	1.4	.03	.05	.06
15	4.6	6.1	e4.9	e4.0	e5.6	8.0	4.6	4.0	1.2	.03	.05	.06
16	5.3	6.3	e4.7	e4.4	e5.2	8.1	4.3	3.9	1.3	.03	.06	.06
17	5.3	6.4	e5.1	e5.0	e5.0	7.6	4.0	6.8	1.7	.03	.07	.04
18	5.3	6.4	e3.5	e5.6	e4.5	7.4	4.1	6.1	1.8	.02	.06	.03
19	5.4	6.2	e2.5	e6.3	e5.0	7.4	4.6	5.3	1.5	.03	.05	.03
20	5.5	6.2	e2.3	e6.4	e5.5	7.2	4.4	5.1	1.6	.03	.04	.03
21	5.2	6.4	e2.2	e6.0	e6.0	7.0	4.2	4.6	1.4	.03	.06	.26
22	5.2	6.6	e2.6	e6.4	e6.3	6.6	4.0	4.3	1.0	.03	.05	.73
23	5.6	6.0	e3.5	e6.0	7.0	6.5	4.0	4.1	.77	.03	.06	1.6
24	5.9	6.0	e4.0	e6.4	8.3	6.2	4.7	3.6	.48	.03	.05	2.0
25	5.8	e6.0	e3.5	e6.2	8.4	6.2	4.4	3.4	.30	.03	.04	1.9
26	5.7	e5.8	e3.2	e6.0	8.6	6.2	3.8	3.4	.25	.03	.03	2.0
27	5.7	e5.8	e3.0	e5.7	8.1	6.2	3.6	3.1	.66	.03	.04	2.3
28	5.8	e6.0	e3.0	e4.9	8.8	6.3	3.7	2.7	1.6	.03	.08	2.7
29	5.0	e6.0	e3.0	e3.5	9.3	6.0	3.9	2.4	1.0	.03	.11	2.9
30	5.3	e5.8	e3.2	e2.0	---	5.8	4.3	2.3	.60	.08	.07	2.8
31	7.5	---	e3.0	e1.5	---	5.8	---	2.5	---	.56	.12	---
TOTAL	171.9	179.1	134.8	126.9	167.0	238.9	138.9	124.7	39.36	2.03	2.70	26.78
MEAN	5.55	5.97	4.35	4.09	5.76	7.71	4.63	4.02	1.31	.065	.087	.89
MAX	7.5	7.0	6.2	6.4	9.3	9.6	5.9	6.8	2.4	.56	.74	2.9
MIN	4.6	5.0	2.2	1.5	1.3	5.8	3.6	2.3	.25	.02	.02	.03
AC-FT	341	355	267	252	331	474	276	247	78	4.0	5.4	53

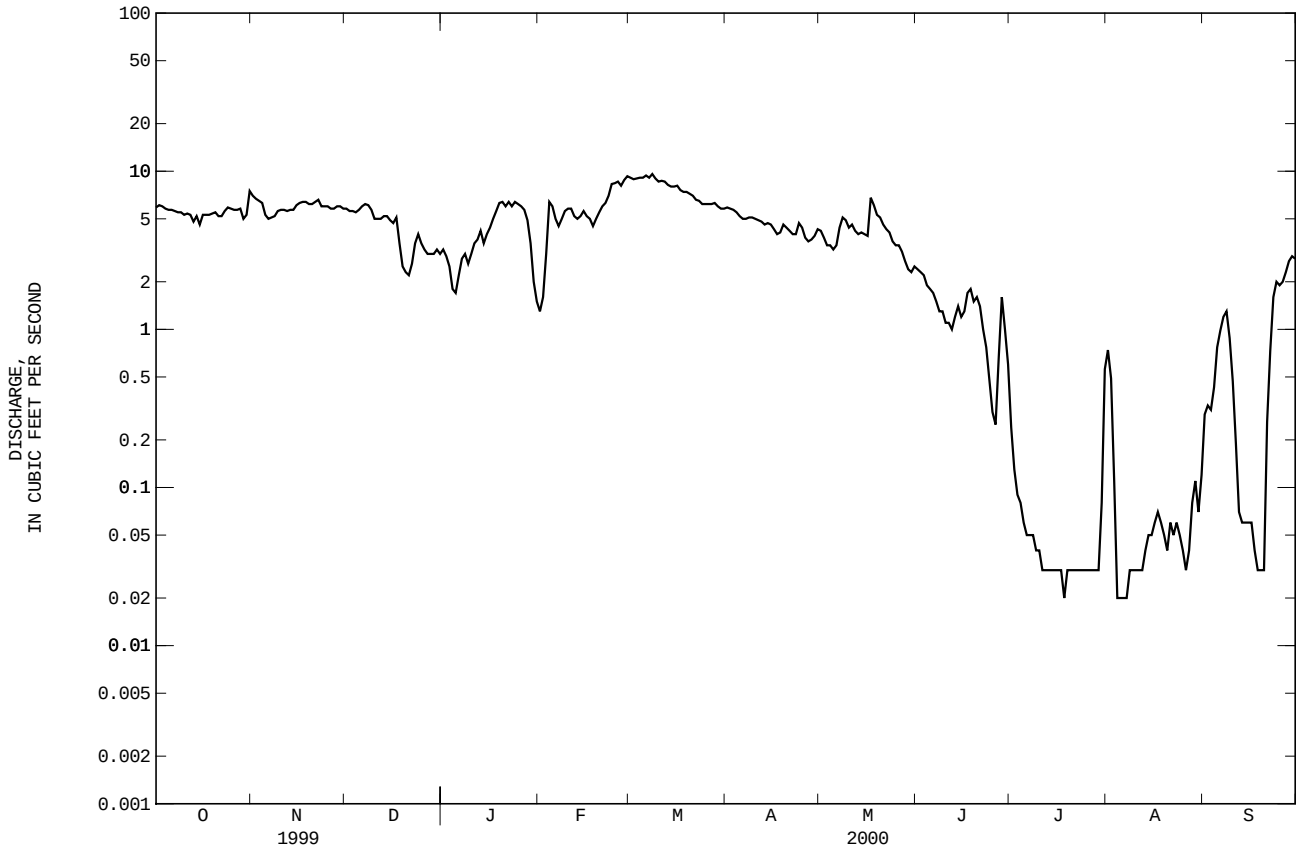
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2000, BY WATER YEAR (WY)

MEAN	3.01	3.36	2.35	2.37	3.86	5.68	4.73	5.38	5.94	2.08	1.07	2.82
MAX	6.98	10.2	6.69	7.72	10.6	13.3	8.95	53.4	48.8	17.8	7.53	14.5
(WY)	1994	1992	1993	1994	1991	1993	1994	1991	1991	1997	1997	1973
MIN	.000	.000	.000	.000	.000	.27	.097	.38	.043	.000	.000	.000
(WY)	1955	1955	1953	1951	1956	1954	1954	1955	1952	1956	1954	1952

06244500 FIVEMILE CREEK ABOVE WYOMING CANAL, NEAR PAVILLION, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1950 - 2000	
ANNUAL TOTAL	1676.03		1353.07		--	
ANNUAL MEAN	4.59		3.70		3.54	
HIGHEST ANNUAL MEAN	--		--		12.4	1991
LOWEST ANNUAL MEAN	--		--		.25	1955
HIGHEST DAILY MEAN	42	Sep 4	9.6	Mar 8	273	Sep 20 1950
LOWEST DAILY MEAN	.01	Aug 16	.02	Jul 18 Aug 4-7	.00	Several days, most years
ANNUAL SEVEN-DAY MINIMUM	.01	Aug 18	.02	Aug 4	.00	Several days, most years
INSTANTANEOUS PEAK FLOW	--		15	Mar 1	1750[a]	Sep 6 1951
INSTANTANEOUS PEAK STAGE	--		1.77	Mar 1	5.60[b]	Sep 6 1951
ANNUAL RUNOFF (AC-FT)	3320		2680		2570	
10 PERCENT EXCEEDS	7.6		6.4		7.6	
50 PERCENT EXCEEDS	5.0		4.2		2.1	
90 PERCENT EXCEEDS	.04		.04		.00	

a From rating curve extended above 350 ft^3/s.
b From floodmarks.
e Estimated.



06253000 FIVEMILE CREEK NEAR SHOSHONI, WY

LOCATION.--Lat 43°13'20", long 108°13'06", in NW$^1/_4$ SW$^1/_4$ sec.19, T.3 N., R.6 E., Fremont County, Hydrologic Unit 10080005, on right bank 1.2 mi upstream from normal high-water line of Boysen Reservoir at elevation 4,725 ft and 5.0 mi west of Shoshoni.

DRAINAGE AREA.--418 mi^2, of which 133 mi^2 probably is noncontributing.

PERIOD OF RECORD.--May 1941 to September 1942, August 1948 to September 1983, October 1988 to current year.

REVISED RECORDS.--WSP 1709: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,750 ft above sea level, from topographic map. May 10, 1941 to Sept. 30, 1942, nonrecording gage at site 1.0 mi downstream at different datum. Aug. 28, 1948 to Sept. 30, 1983, at same site and datum.

REMARKS.--Records good except those for estimated daily discharge, which are poor. Natural flow of stream affected by regulation from reservoir system in the headwaters, diversions for irrigation, and return flow from irrigated areas. Data collection platform with satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 24, 1923, discharge, 3,500 ft^3/s, from estimate provided by Bureau of Reclamation, gage height not determined.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	526	143	91	e87	e56	56	102	169	219	e290	311	303
2	532	139	90	e81	e60	57	49	170	232	e290	285	309
3	502	137	90	e77	e64	57	45	174	242	e290	286	305
4	475	140	86	e72	e72	56	45	181	235	e280	285	308
5	428	137	83	e75	e75	57	49	204	254	e280	269	298
6	394	132	90	e74	e70	58	43	197	256	e290	274	289
7	403	130	e84	e76	e63	60	43	211	270	e310	295	297
8	399	129	e76	e78	e60	63	43	210	271	e290	273	302
9	406	129	e64	e74	59	62	44	209	267	e280	273	288
10	388	127	e67	e75	61	61	41	222	258	e274	270	300
11	376	125	e72	e73	61	59	44	255	273	279	262	313
12	296	124	e77	e76	60	58	61	228	300	279	250	329
13	225	120	e84	e72	60	56	76	243	316	275	250	326
14	244	118	e80	e76	59	55	79	249	301	310	254	320
15	367	116	e81	e80	58	56	70	253	289	294	257	296
16	308	116	e83	e85	58	56	70	246	e310	297	265	291
17	250	116	81	e92	56	56	68	244	e270	337	257	293
18	236	120	e76	e87	56	55	85	338	e260	333	258	310
19	224	120	e68	e80	55	55	124	294	e250	337	262	319
20	245	116	e66	e80	55	55	121	253	e275	350	270	323
21	246	115	e70	e82	57	52	148	243	e250	339	262	298
22	242	112	e74	e77	57	51	135	256	e240	326	270	258
23	205	106	e75	e73	58	51	135	251	e260	331	265	269
24	187	103	e78	e72	58	50	147	259	e270	333	257	286
25	182	108	e78	e74	54	50	167	271	e300	338	275	295
26	173	105	e76	e70	51	50	181	280	e325	335	276	302
27	168	99	e74	e65	53	50	162	269	e290	330	284	287
28	159	94	e73	e60	58	50	186	276	e280	323	279	291
29	156	91	e70	e54	57	50	180	273	e280	312	280	288
30	149	91	e76	e50	---	80	177	263	e290	314	284	255
31	146	---	e80	e48	---	167	---	242	---	328	303	---
TOTAL	9237	3558	2413	2295	1721	1849	2920	7433	8133	9574	8441	8948
MEAN	298	119	77.8	74.0	59.3	59.6	97.3	240	271	309	272	298
MAX	532	143	91	92	75	167	186	338	325	350	311	329
MIN	146	91	64	48	51	50	41	169	219	274	250	255
AC-FT	18320	7060	4790	4550	3410	3670	5790	14740	16130	18990	16740	17750

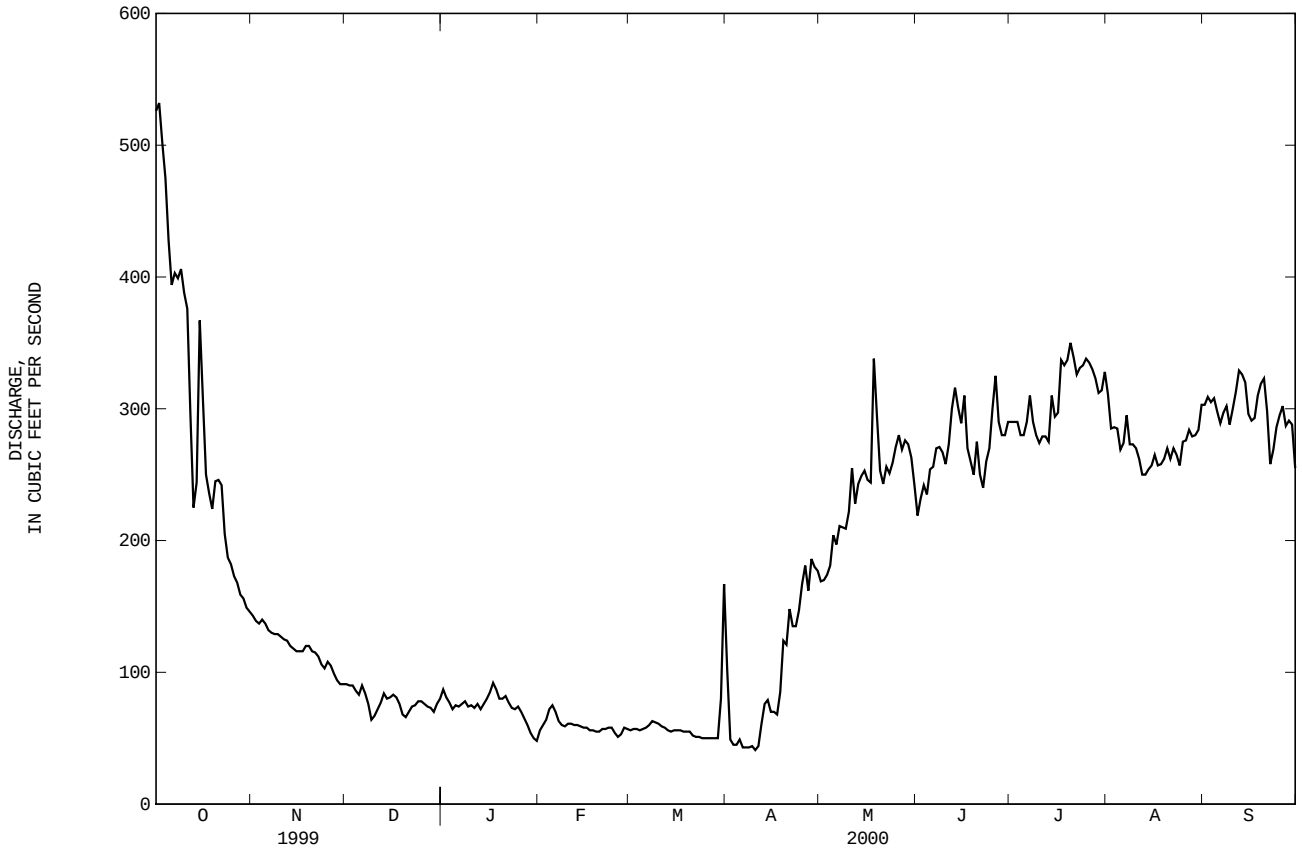
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2000, BY WATER YEAR (WY)

MEAN	148	80.2	59.1	50.7	48.5	52.4	81.6	180	281	333	340	293
MAX	298	135	114	89.9	79.5	87.2	201	275	442	524	525	527
(WY)	2000	1998	1998	1998	1959	1963	1999	1999	1976	1983	1983	1999
MIN	18.0	14.8	8.25	2.60	6.24	17.8	12.7	28.1	97.4	141	139	88.4
(WY)	1942	1942	1942	1942	1942	1942	1942	1942	1941	1977	1977	1941

06253000 FIVEMILE CREEK NEAR SHOSHONI, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1941 - 2000	
ANNUAL TOTAL	93771		66522		--	
ANNUAL MEAN	257		182		164	
HIGHEST ANNUAL MEAN	--		--		253	1999
LOWEST ANNUAL MEAN	--		--		54.8	1942
HIGHEST DAILY MEAN	746	Sep 4	532	Oct 2	964	Sep 11 1973
LOWEST DAILY MEAN	43	Mar 29	41	Apr 10	1.0	Jan 4 1942
ANNUAL SEVEN-DAY MINIMUM	46	Mar 25	44	Apr 5	1.4	Jan 1 1942
INSTANTANEOUS PEAK FLOW	--		537[a]	Oct 1	3390[b]	Jun 15 1962
INSTANTANEOUS PEAK STAGE	--		7.80[c]	Jan 12	9.61[c]	Dec 27 1954
ANNUAL RUNOFF (AC-FT)	186000		131900		119000	
10 PERCENT EXCEEDS	514		311		364	
50 PERCENT EXCEEDS	220		168		104	
90 PERCENT EXCEEDS	56		56		40	

a Gage height, 3.80 ft.
b Gage height, 7.85 ft.
c Backwater from ice.
e Estimated.



06258900 BOYSEN RESERVOIR NEAR SHOSHONI, WY

LOCATION.--Lat 43°25'00", long 108°10'37", in NW¼ NW¼ sec.16, T.5 N., R.6 E., Fremont County, Hydrologic Unit 10080005, at dam on Wind River and 13 mi north of Shoshoni.

DRAINAGE AREA.--7,700 mi².

PERIOD OF RECORD.--October 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level (Bureau of Reclamation datum of 1933).

REMARKS.--Reservoir is formed by rockfill dam completed by Bureau of Reclamation in October 1951. Capacity, 802,000 acre-ft below elevation 4,725.00 ft, top of spillway gate. Includes 59,880 acre-ft dead storage below elevation 4,657.00 ft, invert of penstock pipe. Figures given herein represent total contents. Water used for irrigation, flood control, and power generation.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily contents, 922,000 acre-ft, July 6, 7, 1967, elevation, 4,730.83 ft; minimum daily contents (since normal use of water started), 252,000 acre-ft, Mar. 18, 19, 1956, elevation, 4,684.18 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily contents, 641,000 acre-ft, Oct. 26-28, maximum daily elevation, 4,719.58 ft, Oct. 28; minimum daily contents, 541,000 acre-ft, Sept. 23-24, minimum daily elevation, 4,713.39 ft, Sept. 23, 24.

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

4,705	427,000	4,720	648,000
4,710	493,000	4,725	742,000
4,715	566,000	4,730	844,000

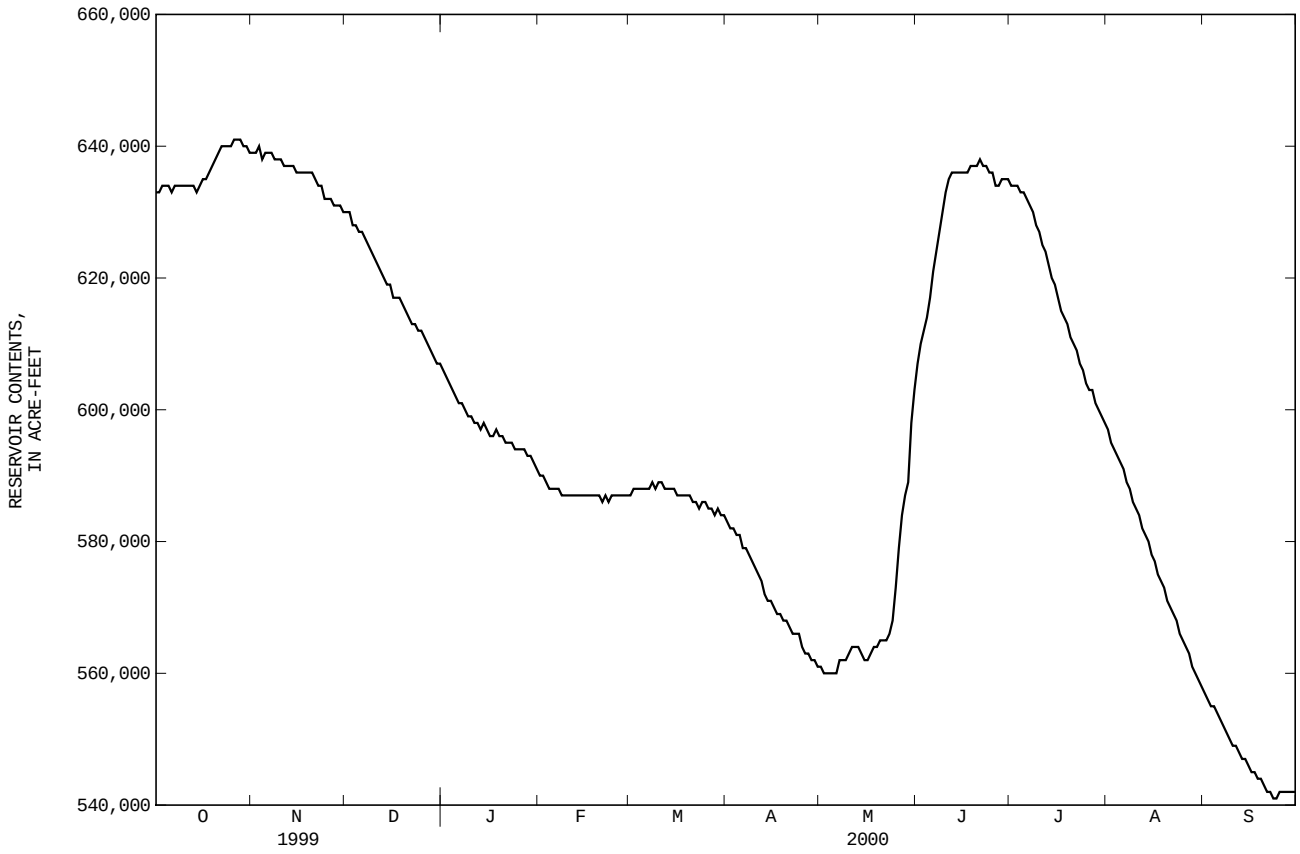
RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	633000	639000	630000	606000	590000	587000	583000	561000	607000	634000	597000	557000
2	633000	639000	630000	605000	590000	588000	582000	560000	610000	634000	595000	556000
3	634000	640000	628000	604000	589000	588000	582000	560000	612000	634000	594000	555000
4	634000	638000	628000	603000	588000	588000	581000	560000	614000	633000	593000	555000
5	634000	639000	627000	602000	588000	588000	581000	560000	617000	633000	592000	554000
6	633000	639000	627000	601000	588000	588000	579000	560000	621000	632000	591000	553000
7	634000	639000	626000	601000	588000	588000	579000	562000	624000	631000	589000	552000
8	634000	638000	625000	600000	587000	589000	578000	562000	627000	630000	588000	551000
9	634000	638000	624000	599000	587000	588000	577000	562000	630000	628000	586000	550000
10	634000	638000	623000	599000	587000	589000	576000	563000	633000	627000	585000	549000
11	634000	637000	622000	598000	587000	589000	575000	564000	635000	625000	584000	549000
12	634000	637000	621000	598000	587000	588000	574000	564000	636000	624000	582000	548000
13	634000	637000	620000	597000	587000	588000	572000	564000	636000	622000	581000	547000
14	633000	637000	619000	598000	587000	588000	571000	563000	636000	620000	580000	547000
15	634000	636000	619000	597000	587000	588000	571000	562000	636000	619000	578000	546000
16	635000	636000	617000	596000	587000	587000	570000	562000	636000	617000	577000	545000
17	635000	636000	617000	596000	587000	587000	569000	563000	636000	615000	575000	545000
18	636000	636000	617000	597000	587000	587000	569000	564000	637000	614000	574000	544000
19	637000	636000	616000	596000	587000	587000	568000	564000	637000	613000	573000	544000
20	638000	636000	615000	596000	587000	587000	568000	565000	637000	611000	571000	543000
21	639000	635000	614000	595000	586000	586000	567000	565000	638000	610000	570000	542000
22	640000	634000	613000	595000	587000	586000	566000	565000	637000	609000	569000	542000
23	640000	634000	613000	595000	586000	585000	566000	566000	637000	607000	568000	541000
24	640000	632000	612000	594000	587000	586000	566000	568000	636000	606000	566000	541000
25	640000	632000	612000	594000	587000	586000	564000	573000	636000	604000	565000	542000
26	641000	632000	611000	594000	587000	585000	563000	579000	634000	603000	564000	542000
27	641000	631000	610000	594000	587000	585000	563000	584000	634000	603000	563000	542000
28	641000	631000	609000	593000	587000	584000	562000	587000	635000	601000	561000	542000
29	640000	631000	608000	593000	587000	585000	562000	589000	635000	600000	560000	542000
30	640000	630000	607000	592000	---	584000	561000	598000	635000	599000	559000	542000
31	639000	---	607000	591000	---	584000	---	603000	---	598000	558000	---
MAX	641000	640000	630000	606000	590000	589000	583000	603000	638000	634000	597000	557000
MIN	633000	630000	607000	591000	586000	584000	561000	560000	607000	598000	558000	541000
(#)	4,719.44	4,718.97	4,717.58	4,716.62	4,716.37	4,716.14	4,714.71	4,717.33	4,719.22	4,717.05	4,714.50	4,713.45
(*)	+6,000	-9,000	-23,000	-16,000	-4,000	-3,000	-23,000	+42,000	+32,000	-37,000	-40,000	-16,000

WTR YR 2000 MAX 641,000 MIN 541,000 (*) -91,000

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

06258900 BOYSEN RESERVOIR NEAR SHOSHONI, WY--Continued



06259000 WIND RIVER BELOW BOYSEN RESERVOIR, WY

LOCATION.--Lat 43°25'30", long 108°10'42", in NW$^1/_4$ SW$^1/_4$ sec.9, T.5 N., R.6 E., Fremont County, Hydrologic Unit 10080005, on right bank 0.6 mi downstream from Boysen Dam and 13 mi north of Shoshoni.

DRAINAGE AREA.--7,701 mi^2.

PERIOD OF RECORD.--May 1951 to current year.

REVISED RECORDS.--WSP 1709: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,608.58 ft above sea level.

REMARKS.--Records fair. Flow regulated by Boysen Reservoir (See station 06258900) since October 1951. Natural flow also affected by Bull Lake, Pilot Butte Reservoir, and several small reservoirs, combined capacity, 190,000 acre-ft, and diversions for irrigation of about 196,000 acres upstream from station. Bureau of Reclamation data collection platform with satellite telemetry at station.

COOPERATION.--Station operated and data provided by Bureau of Reclamation from April, 1998; record computed and reviewed by U.S. Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

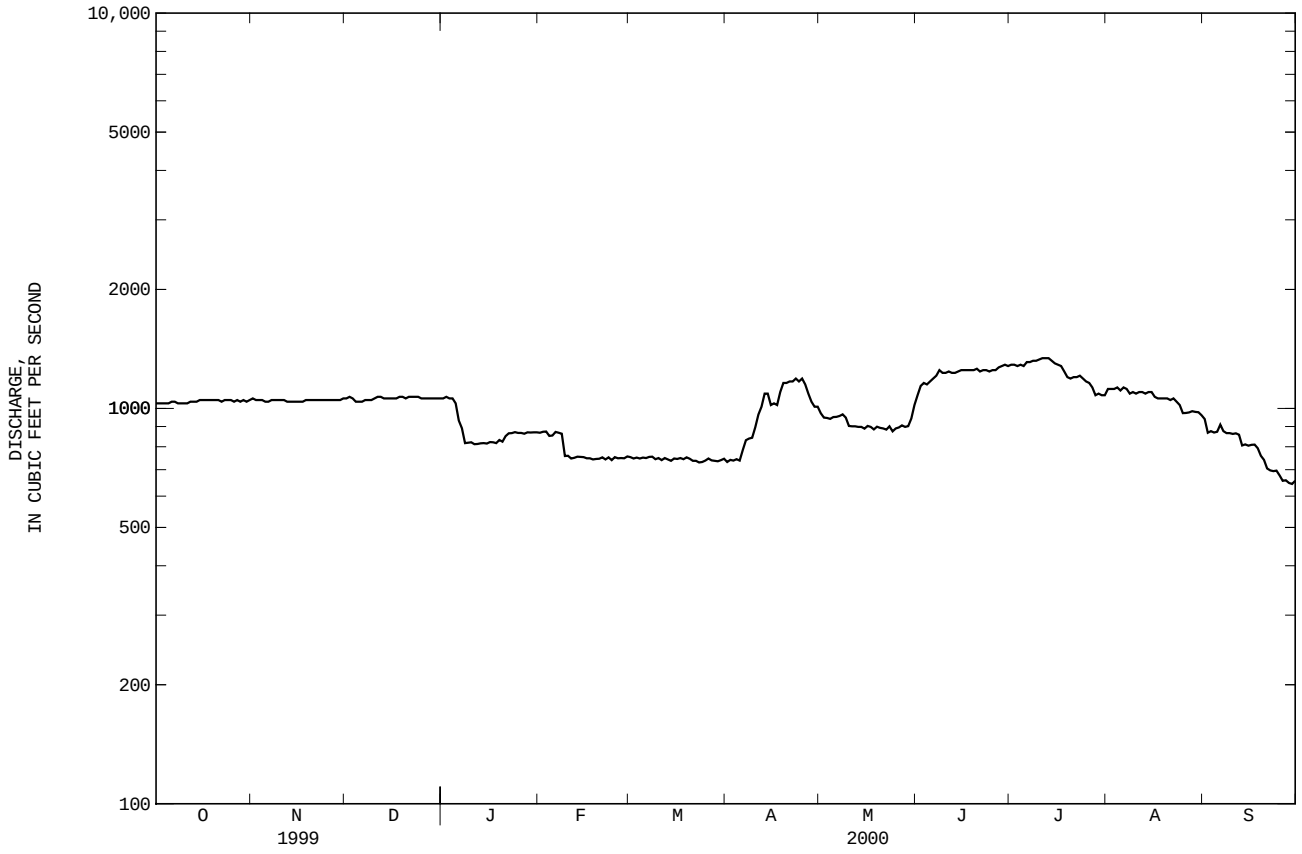
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1030	1060	1060	1060	868	753	732	972	1080	1290	1120	940
2	1030	1050	1070	1070	873	747	741	948	1140	1290	1120	868
3	1030	1050	1060	1060	874	751	738	946	1160	1280	1120	876
4	1030	1050	1040	1060	852	747	744	941	1150	1290	1130	869
5	1030	1040	1040	1030	854	751	738	951	1170	1280	1110	873
6	1040	1040	1040	932	872	749	785	952	1190	1310	1130	910
7	1040	1050	1050	891	868	754	831	957	1210	1310	1120	876
8	1030	1050	1050	817	863	755	839	966	1250	1320	1090	866
9	1030	1050	1050	819	758	744	843	948	1230	1320	1100	866
10	1030	1050	1060	821	759	749	896	903	1230	1330	1090	862
11	1030	1050	1070	812	747	740	965	901	1240	1340	1100	865
12	1040	1040	1070	813	750	749	1010	901	1230	1340	1100	858
13	1040	1040	1060	816	755	743	1090	898	1230	1340	1090	806
14	1040	1040	1060	817	754	737	1090	898	1240	1320	1100	811
15	1050	1040	1060	815	753	747	1020	889	1250	1300	1100	805
16	1050	1040	1060	822	748	745	1030	903	1250	1290	1070	809
17	1050	1040	1060	821	748	749	1020	898	1250	1280	1060	810
18	1050	1050	1070	817	743	744	1100	885	1250	1240	1060	793
19	1050	1050	1070	832	745	752	1160	899	1250	1200	1060	759
20	1050	1050	1060	824	746	746	1160	893	1260	1190	1060	741
21	1050	1050	1070	851	752	737	1170	890	1240	1200	1050	705
22	1040	1050	1070	865	743	737	1170	884	1250	1200	1060	697
23	1050	1050	1070	866	752	730	1190	901	1250	1210	1040	694
24	1050	1050	1070	871	740	732	1170	875	1240	1190	1020	696
25	1050	1050	1060	867	753	738	1190	890	1250	1170	973	677
26	1040	1050	1060	867	748	747	1150	895	1250	1160	974	656
27	1050	1050	1060	863	749	739	1090	906	1270	1130	977	658
28	1040	1050	1060	870	748	737	1040	898	1280	1080	984	648
29	1050	1050	1060	869	756	735	1010	902	1290	1090	980	644
30	1040	1060	1060	870	---	740	1010	943	1280	1080	978	656
31	1050	---	1060	870	---	746	---	1020	---	1080	961	---
TOTAL	32280	31440	32860	27278	22671	23070	29722	28453	36860	38450	32927	23594
MEAN	1041	1048	1060	880	782	744	991	918	1229	1240	1062	786
MAX	1050	1060	1070	1070	874	755	1190	1020	1290	1340	1130	940
MIN	1030	1040	1040	812	740	730	732	875	1080	1080	961	644
AC-FT	64030	62360	65180	54110	44970	45760	58950	56440	73110	76270	65310	46800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2000, BY WATER YEAR (WY)

MEAN	1209	1178	1173	1106	1067	1153	1273	1513	2345	2551	1530	1315
MAX	2846	2086	2005	2208	2202	2035	2259	4314	7252	8816	2789	2502
(WY)	1983	1959	1959	1958	1958	1997	1998	1999	1991	1967	1997	1973
MIN	332	306	301	299	210	213	389	777	980	935	909	715
(WY)	1961	1978	1989	1989	1952	1952	1952	1952	1992	1992	1992	1994

06259000 WIND RIVER BELOW BOYSEN RESERVOIR, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1951 - 2000	
ANNUAL TOTAL	835600		359605		--	
ANNUAL MEAN	2289		983		1442	
HIGHEST ANNUAL MEAN	--		--		2349	1983
LOWEST ANNUAL MEAN	--		--		612	1961
HIGHEST DAILY MEAN	7110	Jun 6	1340	Jul 11-13	13200	Jul 7 1967
LOWEST DAILY MEAN	1020	Many days	644	Sep 29	4.7	Apr 3 1962
ANNUAL SEVEN-DAY MINIMUM	1020	Many days	662	Sep 24	106	Oct 12 1951
INSTANTANEOUS PEAK FLOW	--		1380	Jul 11	13500	Jul 7 1967
INSTANTANEOUS PEAK STAGE	--		4.93	Jul 11	13.35	Jul 7 1967
ANNUAL RUNOFF (AC-FT)	1657000		713300		1044000	
10 PERCENT EXCEEDS	5880		1240		2200	
50 PERCENT EXCEEDS	1200		1040		1170	
90 PERCENT EXCEEDS	1040		746		670	



06260300 ANCHOR RESERVOIR NEAR ANCHOR, WY

LOCATION.--Lat 43°39'50", long 108°49'27", in sec.26, T.43 N., R.100 W., Hot Springs County, Hydrologic Unit 10080007, at dam on South Fork Owl Creek, 2.0 mi downstream from Middle Fork, 3.0 mi southeast of Anchor, and 32 mi west of Thermopolis.

DRAINAGE AREA.--131 mi^2.

PERIOD OF RECORD.--November 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level (Bureau of Reclamation datum).

REVISED RECORDS.--WRD 1996: 1995(M).

REMARKS.--Reservoir is formed by concrete arch dam completed by Bureau of Reclamation in 1960. Capacity, 17,230 acre-ft below elevation 6,441.00 ft, crest of spillway. Includes 68 acre-ft below elevation 6,343.75 ft, invert of river outlet. Figures given herein represent total contents. Water used for irrigation of lands in Owl Creek basin.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily contents, 9,250 acre-ft, July 4, 1967, elevation, 6,418.52 ft; maximum elevation, 6,419.10 ft, June 12, 1991; no storage on many days, most years.

EXTREMES FOR CURRENT YEAR.--Maximum daily contents, 1,060 acre-ft, May 6, elevation, 6,371.90 ft; minimum daily contents, 106 acre-feet, Nov. 24-25; elevation, 6,347.00 ft.

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

6,342	51.0	6,372	1,050
6,352	191	6,382	1,920
6,362	492		

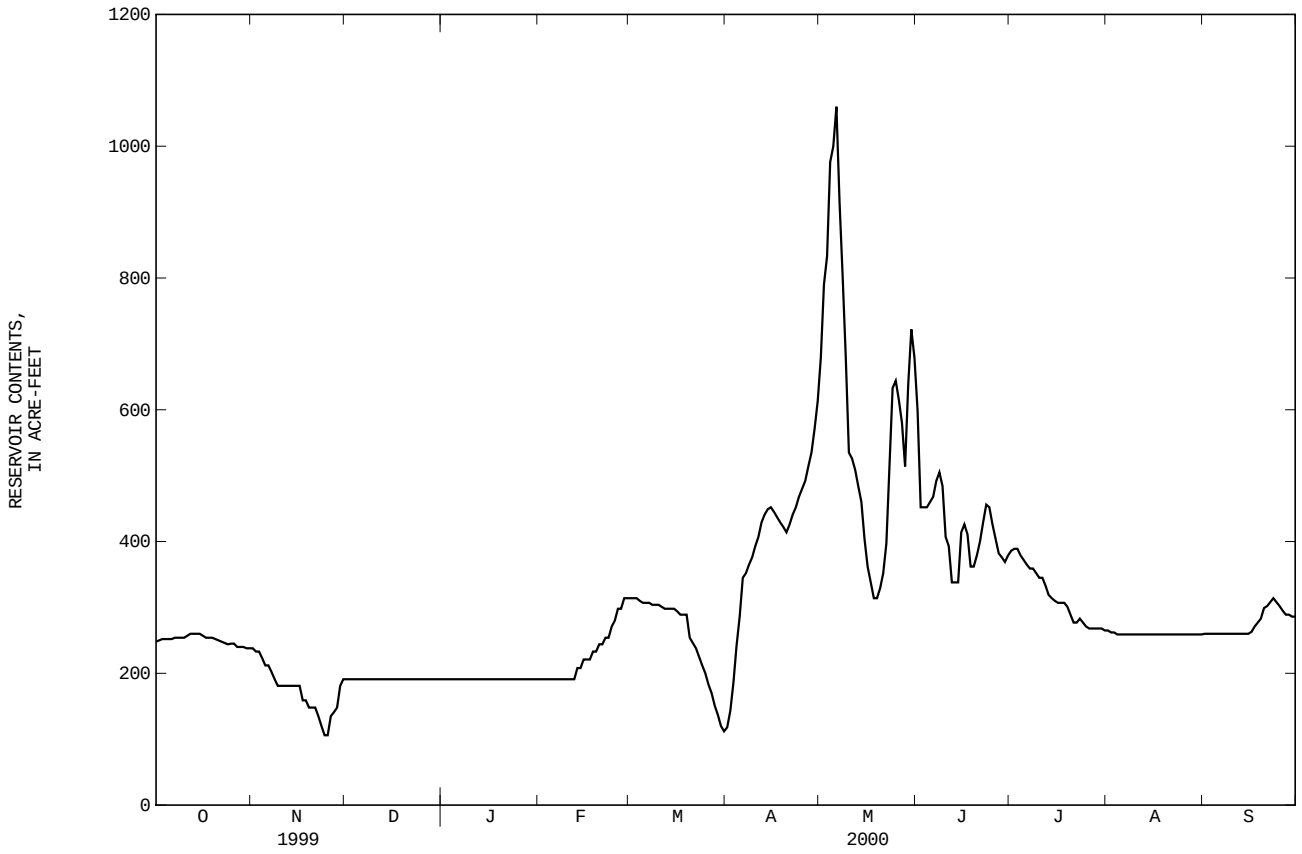
RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	248	238	191	191	191	314	118	679	599	386	265	260
2	250	233	191	191	191	314	143	790	452	389	262	260
3	252	233	191	191	191	314	186	833	452	389	262	260
4	252	223	191	191	191	310	242	976	452	379	259	260
5	252	212	191	191	191	307	286	1000	460	372	259	260
6	252	212	191	191	191	307	345	1060	468	365	259	260
7	254	202	191	191	191	307	352	915	492	359	259	260
8	254	191	191	191	191	304	365	802	505	359	259	260
9	254	181	191	191	191	304	376	679	484	352	259	260
10	254	181	191	191	191	304	393	535	407	345	259	260
11	257	181	191	191	191	301	407	526	393	345	259	260
12	260	181	191	191	191	298	429	509	338	333	259	260
13	260	181	191	191	208	298	441	484	338	319	259	260
14	260	181	191	191	208	298	449	460	338	314	259	260
15	260	181	191	191	221	298	452	404	414	310	259	260
16	257	181	191	191	221	294	445	362	426	307	259	263
17	254	159	191	191	221	289	437	338	411	307	259	271
18	254	159	191	191	233	289	429	314	362	307	259	277
19	254	148	191	191	233	289	422	314	362	301	259	283
20	252	148	191	191	244	254	414	329	379	289	259	299
21	250	148	191	191	244	246	426	352	400	277	259	302
22	248	135	191	191	254	238	441	397	429	277	259	308
23	246	120	191	191	254	225	452	514	456	283	259	314
24	244	106	191	191	271	212	468	633	452	277	259	308
25	245	106	191	191	280	200	480	644	426	271	259	302
26	245	135	191	191	298	183	492	615	404	268	259	295
27	240	141	191	191	298	170	514	580	382	268	259	289
28	240	148	191	191	314	151	535	514	376	268	259	289
29	240	181	191	191	314	137	571	638	369	268	259	286
30	238	191	191	191	---	120	613	722	379	268	259	286
31	238	---	191	191	---	112	---	679	---	265	259	---
MAX	260	238	191	191	314	314	613	1060	599	389	265	314
MIN	238	106	191	191	191	112	118	314	338	265	259	260
(#)	6,354.20	6,352.00	6,352.00	6,352.00	6,357.00	6,347.40	6,364.70	6,366.00	6,359.00	6,355.40	6,355.20	6,356.10
(*)	-10	-47	0	0	+123	-202	+501	+66	-300	-114	-6	+27

WTR YR 2000 MAX 1060 MIN 106 (*) +38.0

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

06260300 ANCHOR RESERVOIR NEAR ANCHOR, WY--Continued



06260400 SOUTH FORK OWL CREEK BELOW ANCHOR RESERVOIR, WY

LOCATION.--Lat43°39'57", long 108°47'34", in sec.25, T.43 N., R.100 W., Hot Springs County, Hydrologic Unit 10080007, on left bank 1.6 mi downstream from Anchor Dam and 30 mi west of Thermopolis.

DRAINAGE AREA.--131 mi^2.

PERIOD OF RECORD.--April 1959 to current year (no winter records since 1988).

REVISED RECORDS.--WDR WY-76-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,120 ft above sea level, from topographic map.

REMARKS.--Records fair. Flow regulated by Anchor Dam (station 06260300). No diversion upstream from station. Results of discharge measurements, in cubic feet per second, made during the period when station was not in operation, are given below:

Oct. 13 . . . 8.89
Mar. 30 . . . 3.70

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	2.1	5.7	165	46	7.7	3.2
2	---	---	---	---	---	---	1.1	5.7	146	47	7.7	2.9
3	---	---	---	---	---	---	1.3	5.9	139	47	7.1	3.0
4	---	---	---	---	---	---	1.3	26	140	46	6.9	2.3
5	---	---	---	---	---	---	1.3	44	134	42	7.0	1.8
6	---	---	---	---	---	---	1.4	74	131	39	6.8	1.6
7	---	---	---	---	---	---	1.3	88	127	34	5.6	1.7
8	---	---	---	---	---	---	2.5	85	141	29	5.0	1.6
9	---	---	---	---	---	---	4.9	82	127	28	4.5	1.5
10	---	---	---	---	---	---	4.6	83	88	27	4.5	1.5
11	---	---	---	---	---	---	6.2	74	72	28	4.3	1.5
12	---	---	---	---	---	---	9.6	18	71	28	3.7	1.5
13	---	---	---	---	---	---	6.9	17	68	27	3.8	1.5
14	---	---	---	---	---	---	6.4	17	58	25	3.3	1.4
15	---	---	---	---	---	---	5.4	17	68	21	3.0	1.4
16	---	---	---	---	---	---	7.1	18	67	19	3.0	1.3
17	---	---	---	---	---	---	8.8	24	56	21	2.7	1.3
18	---	---	---	---	---	---	8.5	26	48	23	3.0	1.6
19	---	---	---	---	---	---	7.6	26	48	21	3.1	2.1
20	---	---	---	---	---	---	7.4	30	48	18	3.0	2.9
21	---	---	---	---	---	---	7.0	45	45	15	2.5	3.2
22	---	---	---	---	---	---	6.4	61	44	13	2.2	4.7
23	---	---	---	---	---	---	6.4	87	50	12	2.1	4.3
24	---	---	---	---	---	---	6.6	122	58	11	1.8	4.4
25	---	---	---	---	---	---	7.7	139	60	10	1.8	4.6
26	---	---	---	---	---	---	9.0	130	53	9.8	2.0	4.4
27	---	---	---	---	---	---	7.7	132	49	9.5	2.2	3.7
28	---	---	---	---	---	---	6.8	130	47	9.8	1.7	3.2
29	---	---	---	---	---	---	6.1	142	45	9.3	1.5	2.9
30	---	---	---	---	---	---	5.5	164	45	8.6	1.7	2.7
31	---	---	---	---	---	---	---	156	---	8.1	2.8	---
TOTAL	---	---	---	---	---	---	164.9	2074.3	2438	732.1	118.0	75.7
MEAN	---	---	---	---	---	---	5.50	66.9	81.3	23.6	3.81	2.52
MAX	---	---	---	---	---	---	9.6	164	165	47	7.7	4.7
MIN	---	---	---	---	---	---	1.1	5.7	44	8.1	1.5	1.3
AC-FT	---	---	---	---	---	---	327	4110	4840	1450	234	150

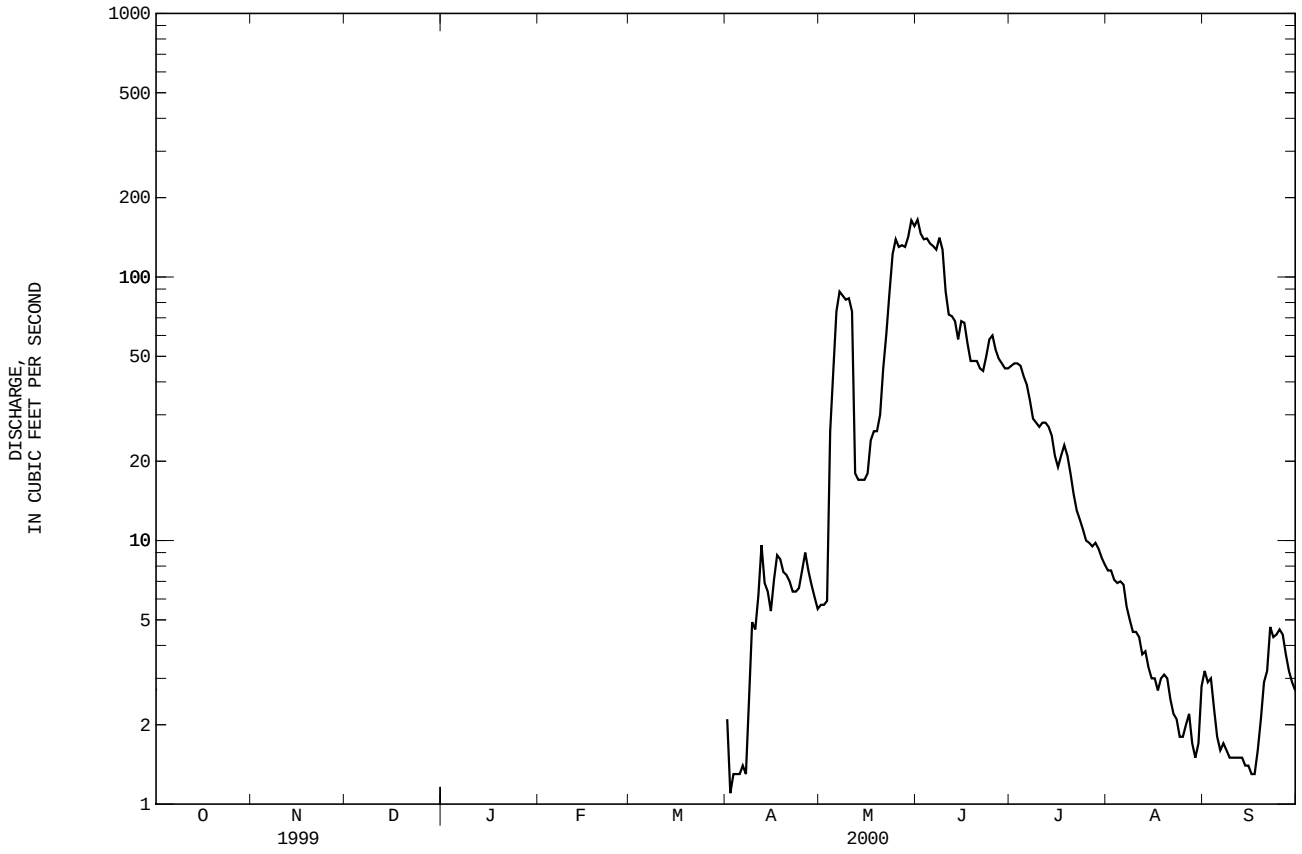
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2000, BY WATER YEAR (WY)

MEAN	7.40	2.71	.98	.40	.71	2.06	8.77	48.6	100	58.1	26.5	13.1
MAX	20.5	8.90	3.86	2.39	2.82	8.66	30.2	90.1	226	124	79.4	37.1
(WY)	1983	1982	1982	1981	1988	1960	1987	1974	1986	1982	1995	1992
MIN	2.49	.013	.000	.000	.000	.000	.000	14.3	21.0	4.67	3.81	2.52
(WY)	1965	1962	1961	1960	1960	1961	1991	1981	1994	1994	2000	2000

06260400 SOUTH FORK OWL CREEK BELOW ANCHOR RESERVOIR, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1959 - 2000*	
ANNUAL MEAN	--		22.1	
HIGHEST ANNUAL MEAN	--		35.9	1986
LOWEST ANNUAL MEAN	--		11.3	1985
HIGHEST DAILY MEAN	165	Jun 1	357	Jun 18 1999
LOWEST DAILY MEAN	1.1	Apr 2	.00	Several days, most years
INSTANTANEOUS PEAK FLOW	174	Jun 1	373[a]	May 26 1967
INSTANTANEOUS PEAK STAGE	3.38	Jun 1	4.22	Jun 17 1999
ANNUAL RUNOFF (AC-FT)	--		16050	

* During period of operation.
a Gage height, 3.64 ft.



06264700 BIGHORN RIVER AT LUCERNE, WY

LOCATION.--Lat 43°44'10", long 108°09'38", in SE$^{1}/_{4}$ sec.32, T.44 N., R.94 W., Hot Springs County, Hydrologic Unit 10080007, at bridge on Black Mountain road, 0.7 mi upstream from Kirby Creek, 0.8 mi east of Lucerne, and 1.0 mi downstream from Owl Creek.

PERIOD OF RECORD.--Water years 1966 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
OCT							
26...	1005	1130	656	141	13.7	7.9	624
JAN							
25...	0805	980	657	105	12.6	7.8	776
MAY							
30...	1330	855	650	145	11.5	8.2	734
AUG							
07...	1145	1090	652	145	10.9	8.5	682

DATE	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT							
26...	8.5	10.0	<.020	<.050	<.010	<.010	240
JAN							
25...	8.0	1.5	.020	.086	<.010	<.010	170
MAY							
30...	25.5	18.5	<.020	<.050	<.010	.017	40
AUG							
07...	29.5	21.5	<.020	<.050	<.010	<.010	46

06265337 COTTONWOOD CREEK AT HIGH ISLAND RANCH, NEAR HAMILTON DOME, WY

LOCATION.--Lat 43°45'46", long 108°40'34", in $SW^1/_4$ $NE^1/_4$ $SE^1/_4$ sec.24, T.44 N., R.99 W., Hot Springs County, Hydrologic Unit 10080007, on right bank 15 ft upstream from county bridge, 5.2 miles west of Hamilton Dome, and 12 miles south of Grass Creek.

DRAINAGE AREA.--81.4 mi^2.

PERIOD OF RECORD.--May 1977 to September 1978 (discharge measurements and water quality only), April 1993 to current year. Prior to April 1993, published as Cottonwood Creek at county bridge, near Hamilton Dome.

GAGE.--Water-stage recorder. Elevation of gage is 5,677 ft above sea level, from topographic map. Prior to Sept. 9, 1996, at site 9 ft downstream at datum 3.00 ft higher.

REMARKS.--Records poor. State of Wyoming data collection platform with satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	3.9	e.40	.36	e.90	e3.1	2.7	e10	12	6.5	.00	.00
2	7.2	3.0	e.40	.37	e.80	e3.1	3.1	e11	14	5.4	.00	.00
3	5.6	e4.5	e.45	e.36	e.70	e3.2	2.6	e12	14	e2.3	.00	.00
4	4.8	4.7	e.50	e.35	e.90	e3.2	3.2	13	15	e2.0	.01	.00
5	4.3	4.2	e.45	e.30	e.90	e3.2	8.9	16	8.2	e1.5	.22	.00
6	4.3	4.1	e.40	e.28	e1.0	e3.2	9.2	15	7.5	e1.3	.19	.00
7	4.4	3.3	e.45	e.30	e1.0	e3.5	7.4	16	6.6	e1.1	.11	.00
8	4.4	3.6	e.50	e.30	e1.1	3.4	4.4	13	6.0	e1.0	.05	.00
9	4.4	3.6	e.45	e.30	e1.2	3.2	5.1	13	5.6	.97	.00	.00
10	4.1	3.5	e.45	e.28	e1.5	2.1	6.2	8.1	5.3	.92	.00	.00
11	4.1	3.5	e.45	e.28	e1.7	2.2	5.2	7.1	4.9	.94	.00	.00
12	4.2	3.4	.46	e.30	e1.5	1.7	8.4	5.2	5.1	.81	.00	.00
13	4.2	3.4	.44	e.30	e1.4	1.8	10	4.3	6.1	.63	.00	.00
14	3.7	3.2	.26	e.33	e1.3	2.2	11	4.9	4.9	.48	.00	.00
15	4.1	3.4	.26	e.35	e1.2	2.0	5.6	4.7	4.6	.32	.00	.00
16	3.7	3.4	.30	e.38	e1.1	1.7	4.1	5.4	6.1	.19	.00	.00
17	3.8	3.7	.22	e.45	e1.2	2.1	4.0	22	7.7	.38	.00	.00
18	7.1	4.0	e.12	e.50	e1.1	1.9	5.9	24	5.0	1.4	.00	.00
19	4.5	3.5	e.08	e.56	e1.0	2.0	9.1	27	9.4	.83	.00	.00
20	5.9	3.7	.04	e.50	e1.2	2.3	5.3	32	7.6	.61	.00	.00
21	5.5	4.1	.29	e.48	e1.5	1.8	6.2	30	4.5	.49	.00	.00
22	5.3	e4.0	.27	e.56	e1.8	2.1	13	27	3.3	.37	.00	.00
23	5.0	e3.0	e.28	e.70	e2.0	2.8	9.7	30	.72	.30	.00	.00
24	5.2	e2.0	e.27	e.90	e2.2	2.9	8.3	38	e1.0	.21	.00	.00
25	5.3	e1.3	e.28	e1.0	e2.5	2.4	5.0	34	e1.3	.11	.00	.00
26	4.9	e1.1	e.29	e1.1	e2.8	2.7	5.5	31	1.6	.07	.00	.00
27	4.9	e1.0	e.29	e1.1	e3.0	3.1	6.5	22	18	.06	.00	.00
28	4.8	e.80	e.29	.82	e3.1	4.0	e8.0	19	16	.04	.00	.00
29	4.3	e.60	e.30	.72	e3.1	3.5	e9.0	20	12	.01	.00	.00
30	4.3	e.45	.31	.81	---	2.5	e9.0	16	9.1	.00	.00	.00
31	4.2	---	.33	e.80	---	2.9	---	12	---	.00	.00	---
TOTAL	149.1	91.95	10.28	16.14	44.70	81.8	201.6	542.7	223.12	31.24	0.58	0.00
MEAN	4.81	3.06	.33	.52	1.54	2.64	6.72	17.5	7.44	1.01	.019	.000
MAX	7.2	4.7	.50	1.1	3.1	4.0	13	38	18	6.5	.22	.00
MIN	3.7	.45	.04	.28	.70	1.7	2.6	4.3	.72	.00	.00	.00
AC-FT	296	182	20	32	89	162	400	1080	443	62	1.2	.00

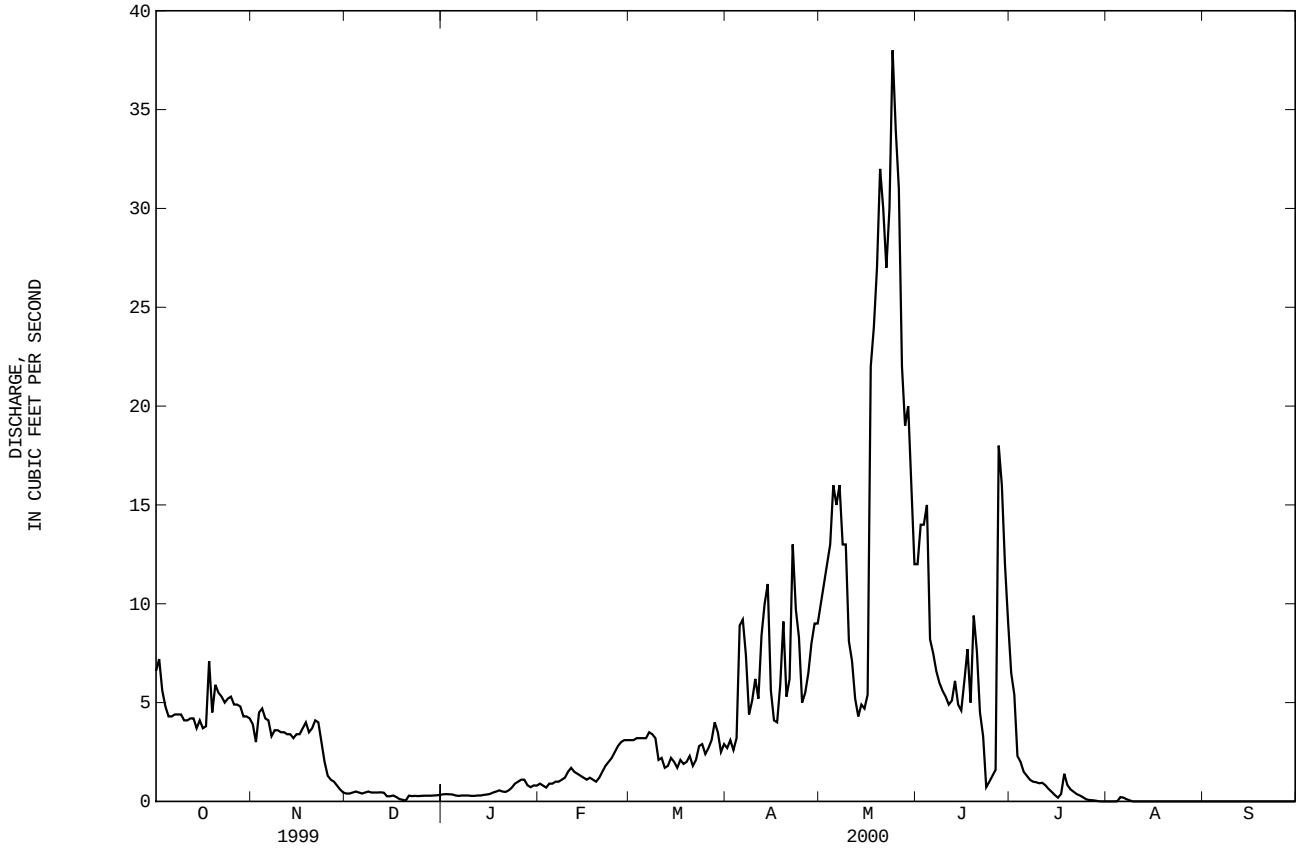
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2000, BY WATER YEAR (WY)

MEAN	5.85	3.32	1.46	1.18	1.76	8.50	13.4	42.7	57.7	15.0	5.43	4.11
MAX	14.7	6.91	2.96	2.83	3.30	26.9	30.2	84.1	142	30.6	8.95	9.11
(WY)	1999	1994	1998	1997	1996	1998	1999	1999	1997	1997	1998	1998
MIN	1.11	.39	.057	.015	.28	2.64	5.43	15.1	5.00	1.01	.019	.000
(WY)	1997	1995	1995	1995	1995	2000	1993	1994	1994	2000	2000	2000

06265337 COTTONWOOD CREEK AT HIGH ISLAND RANCH, NEAR HAMILTON DOME, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1993 - 2000	
ANNUAL TOTAL	7510.67		1393.21		--	
ANNUAL MEAN	20.6		3.81		13.1	
HIGHEST ANNUAL MEAN	--		--		21.7	1999
LOWEST ANNUAL MEAN	--		--		3.81	2000
HIGHEST DAILY MEAN	222	Apr 29	38	May 24	895	Jun 11 1997
LOWEST DAILY MEAN	.04	Dec 20	.00	Many days	.00	Many days, most years
ANNUAL SEVEN-DAY MINIMUM	.18	Dec 14	.00[a]	Aug 9	.00[b]	Most years
INSTANTANEOUS PEAK FLOW	--		49[c]	May 17	3390[d]	Jun 10 1997
INSTANTANEOUS PEAK STAGE	--		5.25[c]	Feb 26	10.75[d]	Jun 10 1997
ANNUAL RUNOFF (AC-FT)	14900		2760		9450	
10 PERCENT EXCEEDS	83		9.3		43	
50 PERCENT EXCEEDS	4.7		1.8		4.3	
90 PERCENT EXCEEDS	.72		.00		.22	

a Gage height, 3.60 ft.
b From indirect measurement of peak flow.
c Backwater from ice.
d From floodmark.
e Estimated.



06274300 BIGHORN RIVER AT BASIN, WY

LOCATION.--Lat 44°23'00", long 108°02'08", in SE$^1/_4$ NW$^1/_4$ NE$^1/_4$ sec.21, T.51 N., R.93 W., Big Horn County, Hydrologic Unit 10080007, on left bank 10 ft downstream from county bridge on E Street, 0.2 mi northeast of Big Horn County Courthouse in Basin, and 1.8 mi downstream from Antelope Creek.

DRAINAGE AREA.--13,223 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1983 to current year.

GAGE.--Water-stage recorder. Datum of gage is 3,821.29 ft above sea level.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Diversions for irrigation of about 226,000 acres upstream from station.

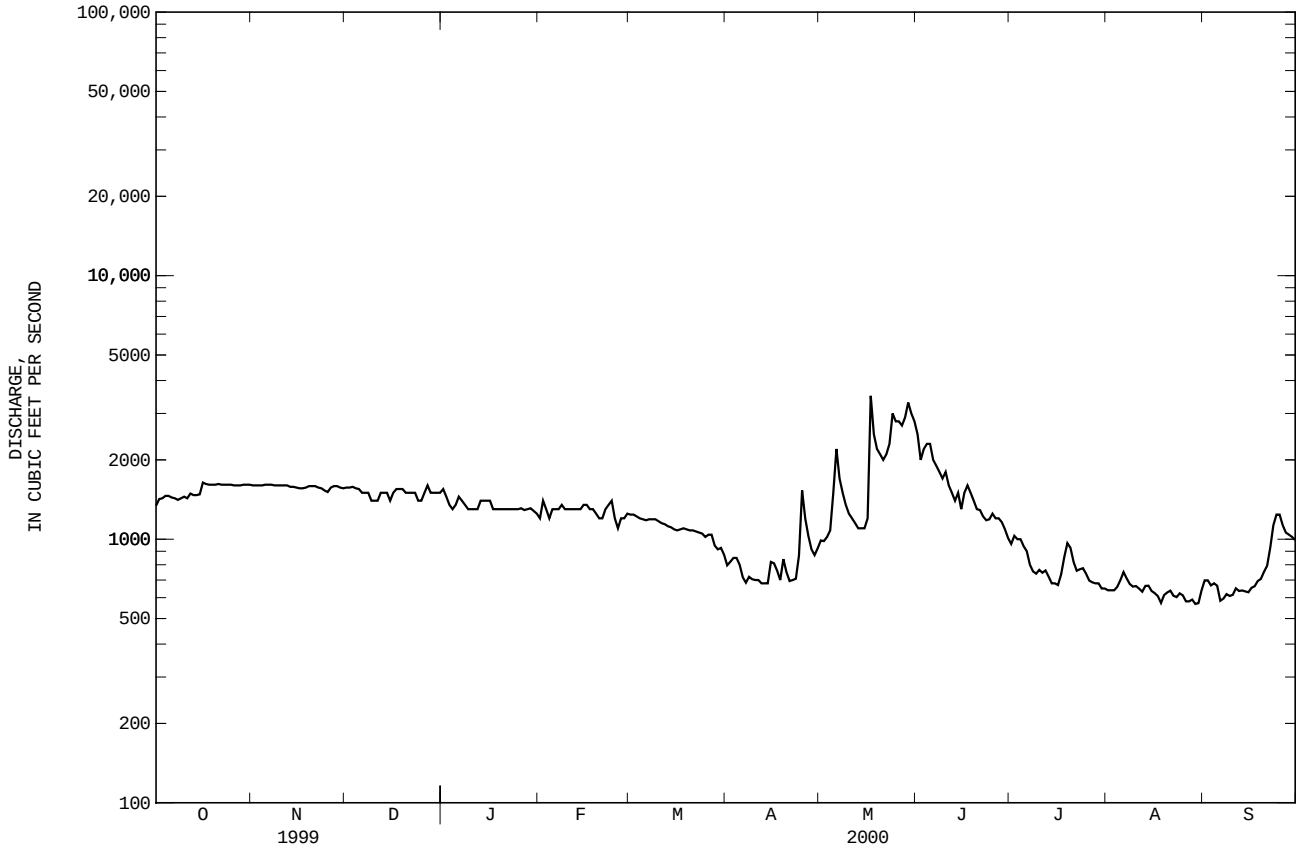
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1340	1600	1570	e1550	e1200	1240	796	989	e2500	959	e640	698
2	1420	1600	1570	e1450	e1400	1240	821	984	e2000	1030	e640	698
3	1430	1600	1580	e1350	e1300	1220	849	1020	e2200	e1000	e640	668
4	1460	1600	1560	e1300	e1200	1200	849	1080	e2300	e1000	e660	680
5	1460	1610	1550	e1350	e1300	1190	799	e1500	e2300	e940	e700	666
6	1440	1610	e1500	e1450	e1300	1180	717	e2200	e2000	e900	e750	584
7	1430	1610	e1500	e1400	e1300	1190	684	e1700	e1900	e800	710	595
8	1410	1600	e1500	e1350	e1350	1190	720	e1500	e1800	755	676	619
9	1430	1600	e1400	e1300	e1300	1190	705	e1350	e1700	740	661	609
10	1450	1600	e1400	e1300	e1300	1170	e700	e1250	e1800	765	664	615
11	1430	1600	e1400	e1300	e1300	1150	e700	e1200	e1600	746	649	651
12	1490	1600	e1500	e1300	e1300	1140	e680	e1150	e1500	761	632	636
13	1470	1580	e1500	e1400	e1300	1120	e680	e1100	e1400	721	665	639
14	1470	1580	e1500	e1400	e1300	1110	e680	e1100	e1500	680	666	634
15	1480	1570	e1400	e1400	e1350	1090	e820	e1100	e1300	e680	636	629
16	1640	1560	e1500	e1400	e1350	1080	e810	e1200	e1500	e670	624	654
17	1620	1560	e1550	e1300	e1300	1090	e760	e3500	e1600	735	608	663
18	1610	1570	e1550	e1300	e1300	1100	e700	e2500	e1500	855	573	694
19	1610	1590	e1550	e1300	e1250	1090	e840	e2200	e1400	966	614	707
20	1610	1590	e1500	e1300	e1200	1080	e750	e2100	e1300	927	628	752
21	1620	1590	e1500	e1300	e1200	1080	694	e2000	1290	819	638	793
22	1610	1570	e1500	e1300	e1300	1070	700	e2100	1220	759	610	928
23	1610	1560	e1500	e1300	e1350	1060	708	e2300	1180	769	603	1130
24	1610	1530	e1400	e1300	e1400	1050	866	e3000	1190	776	623	1240
25	1610	1510	e1400	e1300	e1200	1020	1530	e2800	1250	739	612	1240
26	1600	1570	e1500	1310	e1100	1040	1200	e2800	e1200	697	581	1130
27	1600	1590	e1600	1290	e1200	1040	1030	e2700	e1200	686	581	1060
28	1600	1590	e1500	1300	e1200	946	916	e2900	1160	e680	590	1040
29	1610	1570	e1500	1310	1250	915	870	e3300	1090	e680	568	1020
30	1610	1560	e1500	1280	---	927	924	e3000	1010	e650	572	992
31	1610	---	e1500	1250	---	873	---	e2800	---	e650	640	---
TOTAL	47390	47470	46480	41440	37100	34081	24498	60423	46890	24535	19654	23664
MEAN	1529	1582	1499	1337	1279	1099	817	1949	1563	791	634	789
MAX	1640	1610	1600	1550	1400	1240	1530	3500	2500	1030	750	1240
MIN	1340	1510	1400	1250	1100	873	680	984	1010	650	568	584
AC-FT	94000	94160	92190	82200	73590	67600	48590	119800	93010	48670	38980	46940
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2000, BY WATER YEAR (WY)												
MEAN	1588	1460	1339	1238	1294	1569	1498	2605	4252	2519	1224	1375
MAX	2346	2439	1933	1975	1772	2753	2929	6252	11210	8574	2627	2326
(WY)	1984	1984	1985	1992	1997	1998	1998	1999	1991	1995	1997	1998
MIN	694	659	642	566	504	634	723	1052	1075	357	455	749
(WY)	1989	1989	1989	1989	1989	1989	1992	1989	1994	1988	1988	1988

06274300 BIGHORN RIVER AT BASIN, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1984 - 2000	
ANNUAL TOTAL	1048070		453625		--	
ANNUAL MEAN	2871		1239		1831	
HIGHEST ANNUAL MEAN	--		--		2913	1999
LOWEST ANNUAL MEAN	--		--		800	1989
HIGHEST DAILY MEAN	10600	May 31	3500	May 17	16600	Jun 8 1991
LOWEST DAILY MEAN	1010	Apr 20	568	Aug 29	276	Jul 27 1988
ANNUAL SEVEN-DAY MINIMUM	1170	Apr 15	590	Aug 24	292	Jul 24 1988
INSTANTANEOUS PEAK FLOW	--		4200e	May 17	19500	Jun 7 1991
INSTANTANEOUS PEAK STAGE	--		Unknown	May 17	10.49	Jun 7 1991
INSTANTANEOUS LOW FLOW	--		--		276	Jul 27 1988
ANNUAL RUNOFF (AC-FT)	2079000		899800		1326000	
10 PERCENT EXCEEDS	6340		1610		3060	
50 PERCENT EXCEEDS	1700		1260		1430	
90 PERCENT EXCEEDS	1430		661		715	

e Estimated.



06274300 BIGHORN RIVER AT BASIN, WY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1983 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)
OCT								
27...	1445	1560	691	106	10.9	8.7	807	12.0
JAN								
25...	1300	1290	667	92	11.7	8.1	963	-3.0
MAY								
30...	1645	2880	660	98	8.5	7.8	319	20.0
AUG								
07...	1415	719	662	95	7.1	8.0	956	34.0

DATE	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT								
27...	9.5	<.020	.070	<.010	<.010	20	25	105
JAN								
25...	.0	.026	.240	<.010	<.010	K10	55	192
MAY								
30...	15.0	<.020	.213	<.010	.016	1500	1140	8900
AUG								
07...	22.5	.035	1.17	.016	.018	900	2060	4000

K Results based on colony count outside the acceptable range (non-ideal colony count).

06276500 GREYBULL RIVER AT MEETEETSE, WY

LOCATION.--Lat 44°09'20", long 108°52'35", in sec.4, T.48 N., R.100 W., Park County, Hydrologic Unit 10080009, on right bank at Meeteetse, 0.3 mi upstream from bridge on State Highway 120, and 3.0 mi upstream from Meeteetse Creek.

DRAINAGE AREA.--681 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June to December 1897, April to October 1903 (gage heights and discharge measurements only), July 1920 to current year (no winter records since 1971). Partial records only for some periods prior to 1931, published in WSP 1309.

REVISED RECORDS.--WSP 1309: 1923(M), 1924, 1925(M). WSP 1709: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,739.42 ft above sea level. See WSP 1916 for history of changes prior to Apr. 28, 1938. Apr. 28, 1938 to May 24, 1961, at site on left bank at datum 2.00 ft higher. May 25, 1961, to May 9, 1967, at site 100 ft downstream at present datum.

REMARKS.--Records fair. Some regulation by Sunshine Reservoir beginning May 1940, capacity, 52,990 acre-ft, and Lower Sunshine Reservoir beginning December 1972, capacity, 58,900 acre-ft. Diversions for irrigation of about 10,600 acres upstream from station. Several diversions upstream from station for irrigation downstream from station. Results of discharge measurements, in cubic feet per second, made during the period when station was not in operation, are given below:

Oct. 27 . . . 123
Jan. 26 . . . 54.6
Mar. 31 . . . 39.8

COOPERATION.--Station operated and record provided by the Wyoming State Engineer's Office; record reviewed by U.S. Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	54	608	565	712	570	423
2	---	---	---	---	---	---	57	717	587	706	556	375
3	---	---	---	---	---	---	49	725	646	666	564	352
4	---	---	---	---	---	---	55	763	668	656	570	346
5	---	---	---	---	---	---	63	776	721	578	579	342
6	---	---	---	---	---	---	59	838	682	565	579	342
7	---	---	---	---	---	---	54	731	760	591	524	342
8	---	---	---	---	---	---	98	658	789	639	494	327
9	---	---	---	---	---	---	131	600	736	668	482	311
10	---	---	---	---	---	---	134	571	619	656	473	298
11	---	---	---	---	---	---	131	548	487	647	451	320
12	---	---	---	---	---	---	153	512	489	659	433	321
13	---	---	---	---	---	---	198	487	500	659	472	314
14	---	---	---	---	---	---	245	443	473	650	488	324
15	---	---	---	---	---	---	188	397	568	644	478	315
16	---	---	---	---	---	---	162	421	573	629	475	303
17	---	---	---	---	---	---	145	463	462	641	473	296
18	---	---	---	---	---	---	192	342	400	650	477	301
19	---	---	---	---	---	---	294	344	450	600	480	292
20	---	---	---	---	---	---	285	396	422	576	479	271
21	---	---	---	---	---	---	343	380	422	565	500	236
22	---	---	---	---	---	---	446	438	476	545	500	166
23	---	---	---	---	---	---	468	514	594	545	503	129
24	---	---	---	---	---	---	475	595	649	536	498	134
25	---	---	---	---	---	---	462	596	635	539	496	131
26	---	---	---	---	---	---	484	441	558	553	484	89
27	---	---	---	---	---	---	488	455	633	575	462	78
28	---	---	---	---	---	---	557	510	586	568	455	74
29	---	---	---	---	---	---	645	624	616	581	442	70
30	---	---	---	---	---	---	603	597	664	582	435	70
31	---	---	---	---	---	---	---	576	---	579	452	---
TOTAL	---	---	---	---	---	---	7718	17066	17430	18960	15324	7692
MEAN	---	---	---	---	---	---	257	551	581	612	494	256
MAX	---	---	---	---	---	---	645	838	789	712	579	423
MIN	---	---	---	---	---	---	49	342	400	536	433	70
AC-FT	---	---	---	---	---	---	15310	33850	34570	37610	30400	15260

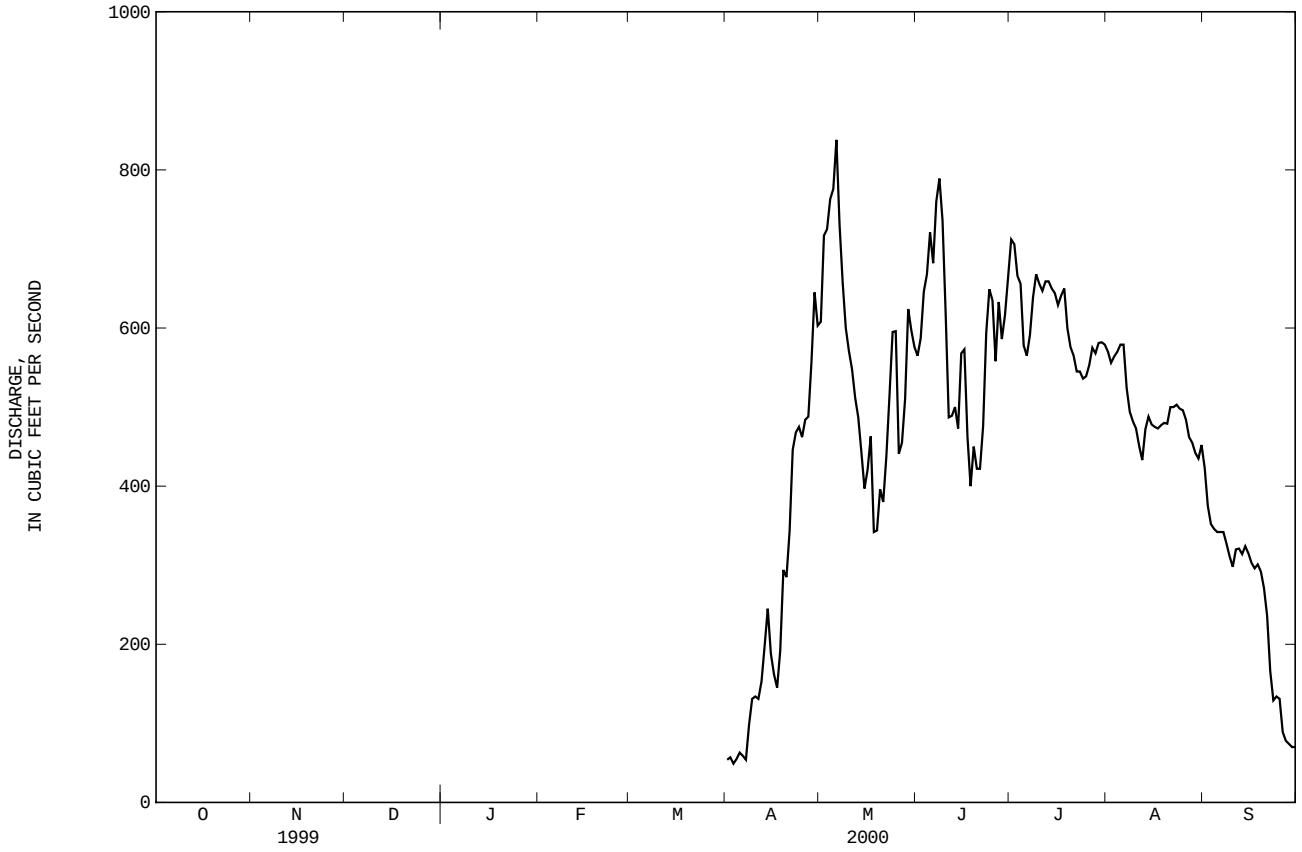
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2000, BY WATER YEAR (WY)*

MEAN	167	107	78.3	64.5	63.7	77.3	134	575	1168	809	497	272
MAX	593	248	134	105	104	117	441	1422	3185	2219	1704	662
(WY)	1924	1942	1931	1943	1962	1942	1952	1924	1957	1965	1941	1941
MIN	72.5	52.8	45.0	27.0	33.9	35.1	26.8	154	284	188	137	84.2
(WY)	1956	1956	1970	1963	1960	1963	1978	1978	1934	1934	1940	1939

06276500 GREYBULL RIVER AT MEETEETSE, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1921 - 2000*	
ANNUAL MEAN	--		333	
HIGHEST ANNUAL MEAN	--		566	1957
LOWEST ANNUAL MEAN	--		130	1940
HIGHEST DAILY MEAN	838	May 6	6770	Jun 6 1957
LOWEST DAILY MEAN	49	Apr 3	13	Apr 18 1989
INSTANTANEOUS PEAK FLOW	911	Jun 8	13600[a]	Jun 15 1963
INSTANTANEOUS PEAK STAGE	2.48	Jun 8	9.20[b]	Jun 15 1963
ANNUAL RUNOFF (AC-FT)	--		241200	

* During period of operation.
a From rating curve extended above 4,600 ft^3/s on basis of velocity-area study.
b From floodmark.



06276500 GREYBULL RIVER AT MEETEETSE, WY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT												
27...	1140	123	625	102	11.1	8.3	417	6.0	3.5	K14	E8	--
JAN												
26...	1540	55	696	124	16.5	8.6	539	2.0	.0	28	6	.89
JUN												
07...	0825	810	619	100	9.6	7.4	114	21.5	8.0	370	418	914
JUL												
19...	1210	638	620	110	8.5	8.4	318	20.0	17.5	58	54	93

E Estimated.
K Results based on colony count outside the acceptable range (non-ideal colony count).

06278300 SHELL CREEK ABOVE SHELL RESERVOIR, WY

LOCATION.--Lat 44°30'29", long 107°24'11", in sec.1, T.52 N., R.88 W., Big Horn County, Hydrologic Unit 10080010, Bighorn National Forest, on right bank 0.2 mi upstream from Shell Reservoir, 1.1 mi downstream from Buckley Creek, 6.0 mi southeast of Shell Creek ranger station, and 19 mi east of Shell.

DRAINAGE AREA.--23.1 mi^2.

PERIOD OF RECORD.--October 1956 to current year. Prior to October 1969, published as Shell Creek above Shell Creek Reservoir.

REVISED RECORD.--WSP 1629: 1958. WSP 1709: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 9,050 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated periods of record, which are poor. No diversions upstream from station.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 29	2200	*609	5.44

No other peak above base discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	3.8	e4.0	e3.0	e2.9	e2.0	1.9	16	277	53	10	6.0
2	7.5	3.7	e4.0	e3.0	e2.9	e2.0	2.0	27	190	50	10	5.0
3	7.5	4.2	4.0	e3.0	e2.9	e2.0	2.0	33	251	47	9.5	4.5
4	7.9	4.0	3.9	e3.0	e2.9	e2.0	e2.0	102	255	44	9.2	4.3
5	7.0	4.0	3.6	e3.0	e2.9	e2.0	e2.1	158	241	40	9.9	4.1
6	7.0	3.8	3.5	e3.0	e2.7	e2.0	e2.2	176	234	35	10	4.3
7	6.9	3.7	3.4	e3.0	e2.6	e2.0	2.1	113	215	32	9.1	5.0
8	6.4	3.7	3.3	e3.0	e2.6	e2.0	2.1	e85.0	197	29	8.7	4.6
9	6.3	3.7	3.2	e3.0	e2.6	e2.0	2.2	54	185	27	8.2	4.1
10	6.1	3.5	3.1	e3.0	e2.6	e2.0	2.2	48	161	27	8.0	4.0
11	6.0	3.5	3.1	e3.0	e2.6	e2.0	2.2	e35	112	27	7.4	4.4
12	5.7	e3.5	3.0	e3.0	e2.6	e2.0	e2.5	33	102	25	7.2	4.2
13	5.6	3.5	3.0	e3.0	e2.6	e2.0	e2.4	34	134	23	6.8	3.7
14	5.6	e3.8	3.0	e3.0	e2.6	e2.0	e3.1	27	93	21	6.6	3.6
15	5.7	e4.0	3.0	e3.0	e2.6	e2.0	e3.2	26	108	20	6.2	3.5
16	4.9	3.6	3.0	e3.0	e2.5	e2.0	e3.2	38	101	19	6.1	3.4
17	5.7	3.1	3.1	e3.0	e2.4	e2.0	e3.1	71	79	19	5.9	3.3
18	5.9	3.1	e3.0	e3.1	e2.3	e2.0	e3.7	88	68	27	6.0	3.3
19	5.6	e3.1	e3.0	e2.9	e2.2	e2.0	e3.5	70	78	23	5.9	5.1
20	5.7	3.1	e3.0	e2.9	e2.2	e2.0	e3.4	70	88	20	5.7	4.8
21	5.8	3.1	e3.1	e2.9	e2.2	e2.0	e3.7	82	80	19	5.5	4.7
22	5.7	3.2	3.1	e2.9	e2.2	2.1	e5.2	143	82	17	5.3	4.7
23	6.7	e3.2	e3.0	e2.9	e2.2	2.0	e5.7	266	85	16	5.1	4.8
24	6.3	e3.3	e3.0	e2.9	e2.2	2.0	e7.3	305	93	15	5.0	5.1
25	6.3	e3.8	e3.0	e2.9	e2.2	2.0	e5.8	222	87	14	4.8	5.1
26	5.9	e4.5	e3.0	e2.9	e2.1	2.0	5.7	262	69	13	4.8	5.0
27	5.1	e5.0	e3.0	e2.9	e2.0	2.0	5.5	209	70	12	4.7	4.6
28	e5.2	e5.6	e3.0	e2.9	e2.0	2.1	7.7	331	66	12	4.4	4.4
29	e5.0	e4.8	e3.0	e2.9	e2.0	2.0	20	452	58	11	4.3	4.3
30	4.9	e4.5	e3.0	e2.9	---	2.0	18	396	55	11	4.4	4.3
31	5.0	---	e3.0	e2.9	---	1.9	---	357	---	11	5.7	---
TOTAL	188.9	113.4	99.4	91.8	71.3	62.1	135.7	4329.0	3914	759	210.4	132.2
MEAN	6.09	3.78	3.21	2.96	2.46	2.00	4.52	140	130	24.5	6.79	4.41
MAX	8.0	5.6	4.0	3.1	2.9	2.1	20	452	277	53	10	6.0
MIN	4.9	3.1	3.0	2.9	2.0	1.9	1.9	16	55	11	4.3	3.3
AC-FT	375	225	197	182	141	123	269	8590	7760	1510	417	262

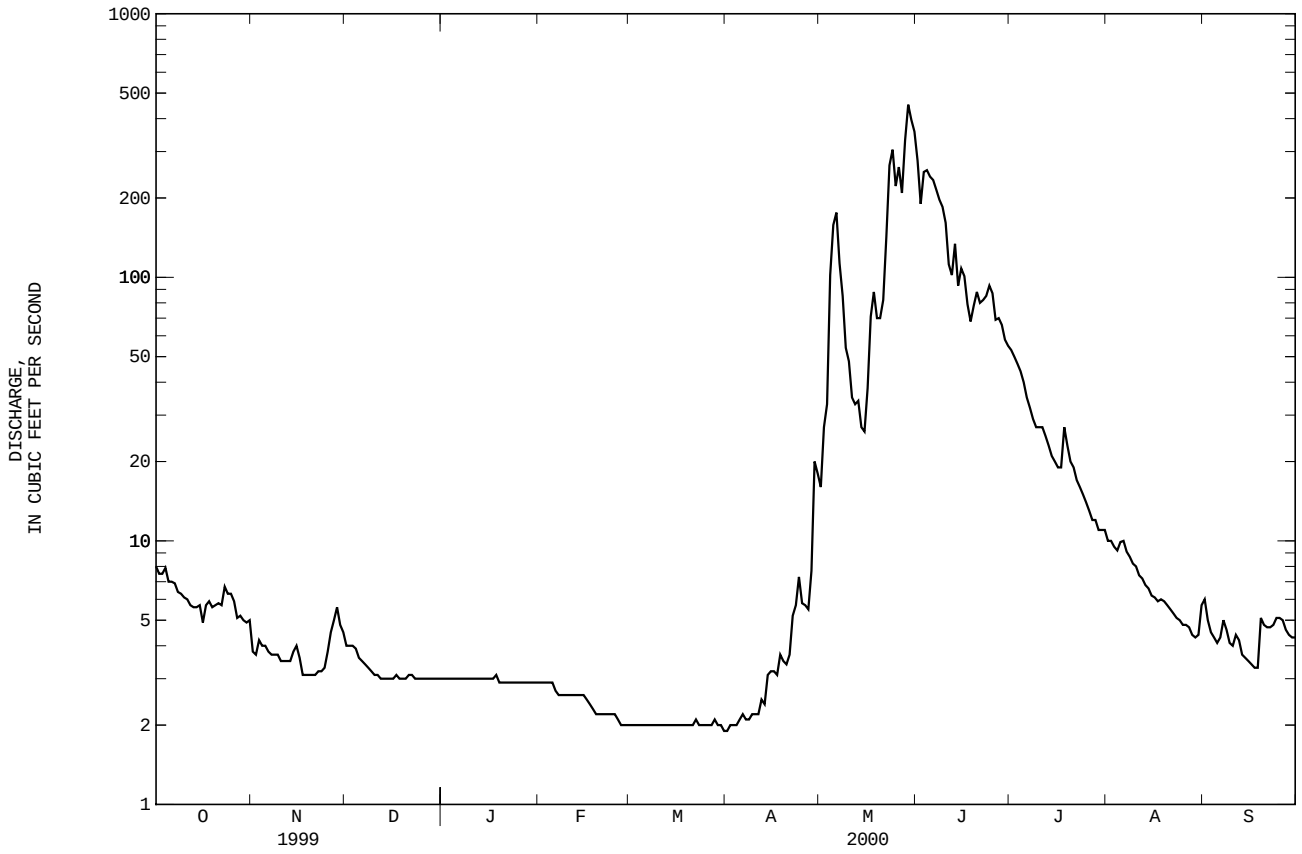
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2000, BY WATER YEAR (WY)

MEAN	8.57	5.86	3.83	2.74	2.25	2.16	5.63	104	207	48.9	13.4	9.88
MAX	17.6	11.2	7.18	4.50	3.67	3.76	28.4	289	353	188	45.6	44.9
(WY)	1962	1962	1995	1995	1998	1999	1987	1958	1968	1975	1968	1968
MIN	3.10	2.91	1.95	1.55	1.09	1.14	1.23	15.2	48.9	11.7	4.08	2.77
(WY)	1989	1976	1970	1980	1980	1961	1970	1975	1994	1961	1961	1988

06278300 SHELL CREEK ABOVE SHELL RESERVOIR, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1957 - 2000	
ANNUAL TOTAL	12335.3		10107.2		--	
ANNUAL MEAN	33.8		27.6		34.6	
HIGHEST ANNUAL MEAN	--		--		50.2	1968
LOWEST ANNUAL MEAN	--		--		18.6	1966
HIGHEST DAILY MEAN	402	May 30	452	May 29	1010	Jun 15 1963
LOWEST DAILY MEAN	2.1	Mar 5	1.9	Mar 31,Apr 1	.60	Mar 7 1967
ANNUAL SEVEN-DAY MINIMUM	2.3	Mar 4	2.0	Mar 29	.90	Jan 27 1980
INSTANTANEOUS PEAK FLOW	--		609	May 29	1870[a]	Jun 15 1963
INSTANTANEOUS PEAK STAGE	--		5.44	May 29	7.84[b]	Jun 15 1963
ANNUAL RUNOFF (AC-FT)	24470		20050		25030	
10 PERCENT EXCEEDS	90		83		99	
50 PERCENT EXCEEDS	5.7		4.4		5.8	
90 PERCENT EXCEEDS	3.0		2.1		2.0	

a From rating curve extended above 725 ft^3/s on basis of velocity-area study.
b From floodmarks
e Estimated.



06278500 SHELL CREEK NEAR SHELL, WY

LOCATION.--Lat 44°33'54", long 107°42'44", in SE$^1/_4$ SW$^1/_4$ sec.17, T.53 N., R.90 W., Big Horn County, Hydrologic Unit 10080010, on right bank 0.9 mi upstream from White Creek and 5.0 mi northeast of Shell.

DRAINAGE AREA.--145 mi^2.

PERIOD OF RECORD.--October 1940 to current year (no winter records since 1971). Prior to December 1940, monthly discharge only, published in WSP 1309.

REVISED RECORDS.--WSP 1239: 1941, 1945(M). WSP 1709: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,370.05 ft above sea level.

REMARKS.--Records good. Some regulation by two small reservoirs, capacity, 3,650 acre-ft. Diversions upstream from station for irrigation of about 80 acres downstream from station. Results of discharge measurements, in cubic feet per second, made during the period when station was not in operation, are given below:

Oct. 1 . . . 85.8
Mar. 22 . . . 36.7

COOPERATION.--Station operated and record provided by the Wyoming State Engineer's Office; record reviewed by U.S. Geological Survey.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 750 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 30	0300	*936	*4.74

No other peak above base discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	34	120	644	168	114	94
2	---	---	---	---	---	---	37	140	450	162	113	90
3	---	---	---	---	---	---	34	154	475	153	112	87
4	---	---	---	---	---	---	38	204	514	144	112	86
5	---	---	---	---	---	---	40	269	477	119	115	89
6	---	---	---	---	---	---	39	289	456	125	113	90
7	---	---	---	---	---	---	37	324	426	120	117	91
8	---	---	---	---	---	---	36	226	401	114	115	89
9	---	---	---	---	---	---	37	189	371	110	113	87
10	---	---	---	---	---	---	37	168	400	107	113	87
11	---	---	---	---	---	---	37	155	305	106	113	87
12	---	---	---	---	---	---	39	139	303	103	112	86
13	---	---	---	---	---	---	43	135	314	115	110	84
14	---	---	---	---	---	---	45	135	293	106	109	83
15	---	---	---	---	---	---	41	143	283	103	107	81
16	---	---	---	---	---	---	39	165	293	100	106	80
17	---	---	---	---	---	---	41	215	258	101	104	78
18	---	---	---	---	---	---	45	188	232	113	104	76
19	---	---	---	---	---	---	47	203	221	113	104	75
20	---	---	---	---	---	---	47	222	249	122	103	74
21	---	---	---	---	---	---	53	244	240	122	98	74
22	---	---	---	---	---	---	57	328	221	120	96	74
23	---	---	---	---	---	---	60	453	212	118	94	74
24	---	---	---	---	---	---	62	608	221	116	93	72
25	---	---	---	---	---	---	52	520	222	115	93	72
26	---	---	---	---	---	---	55	578	210	115	91	71
27	---	---	---	---	---	---	52	525	208	115	91	69
28	---	---	---	---	---	---	60	588	210	114	91	68
29	---	---	---	---	---	---	133	808	190	115	90	66
30	---	---	---	---	---	---	112	803	177	113	90	66
31	---	---	---	---	---	---	---	668	---	113	95	---
TOTAL	---	---	---	---	---	---	1489	9906	9476	3680	3231	2400
MEAN	---	---	---	---	---	---	49.6	320	316	119	104	80.0
MAX	---	---	---	---	---	---	133	808	644	168	117	94
MIN	---	---	---	---	---	---	34	120	177	100	90	66
AC-FT	---	---	---	---	---	---	2950	19650	18800	7300	6410	4760

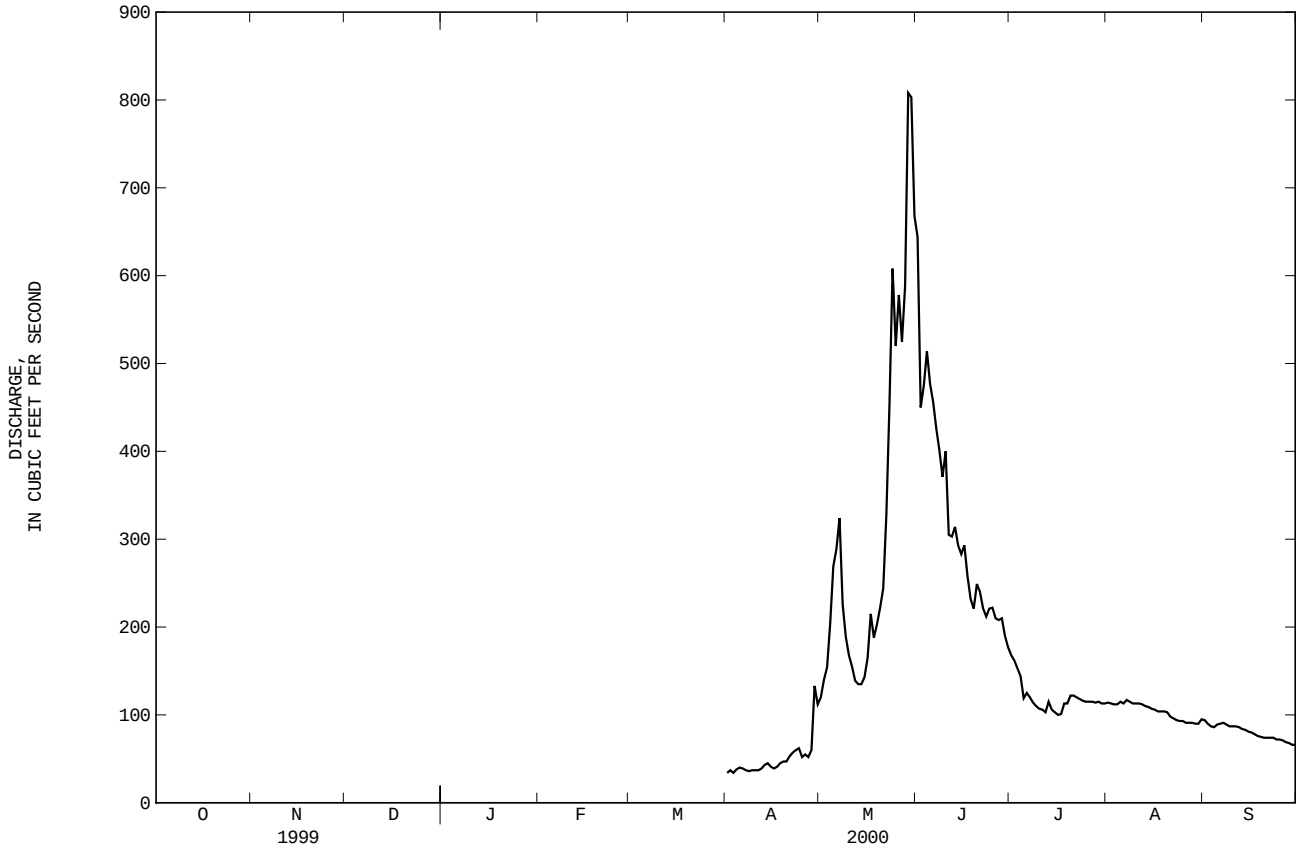
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2000, BY WATER YEAR (WY)*

MEAN	57.0	47.2	41.5	36.9	35.2	35.1	50.8	274	508	171	100	77.8
MAX	95.2	76.4	60.4	48.7	44.6	48.0	138	553	990	473	158	134
(WY)	1942	1969	1969	1948	1947	1946	1946	1988	1968	1975	1979	1968
MIN	35.3	31.5	30.0	28.3	26.9	25.9	29.0	80.4	149	69.2	57.7	36.0
(WY)	1955	1955	1941	1967	1961	1961	1961	1995	1994	1961	1966	1954

06278500 SHELL CREEK NEAR SHELL, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1941 - 2000*	
ANNUAL MEAN	--		119	
HIGHEST ANNUAL MEAN	--		160	1968
LOWEST ANNUAL MEAN	--		77.3	1966
HIGHEST DAILY MEAN	808	May 29	1980	Jun 4 1968
LOWEST DAILY MEAN	34	Apr 1,3	13[a]	Apr 10 1989
INSTANTANEOUS PEAK FLOW	936	May 30	3020[a]	Jun 24 1945
INSTANTANEOUS PEAK STAGE	4.74	May 30	7.49	Jun 24 1945
ANNUAL RUNOFF (AC-FT)			85900	

* During period of operation.
a From rating curve extended above 1,600 ft^3/s.



06279500 BIGHORN RIVER AT KANE, WY

LOCATION.--Lat 44°45'31", long 108°10'51", in NW$^1/_4$ NE$^1/_4$ SW$^1/_4$ sec.9, T.55 N., R.94 W., Big Horn County, Hydrologic Unit 10080010, on right bank 180 ft upstream from Bighorn Canyon National Recreation Area boundary, 0.5 mi upstream from normal high-water line of Bighorn Lake at elevation 3,660 ft, 1.3 mi upstream from Five Springs Creek, and 5.9 mi south of Kane.

DRAINAGE AREA.--15,765 mi^2. Area at sites used prior to May 17, 1956, 15,846 mi^2.

PERIOD OF RECORD.--August 1928 to current year.

REVISED RECORDS.--WSP 1309: 1929(M). WSP 1509: 1929. WSP 1709: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 3,660 ft above sea level, from topographic map. Aug. 29, 1928, to Apr. 25, 1932, nonrecording gage, and Apr. 25, 1932, to May 16, 1956, water-stage recorder at site 12.5 mi downstream at different datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Some regulation by Boysen Reservoir (station 06258900) since October 1951. Diversions for irrigation of about 376,000 acres upstream from station. U.S. Army Corps of Engineers data collection platform with satellite telemetry at station. Water-quality data are published in the special studies section of this report.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1923, 14.8 ft, Sept. 30, 1923, site and datum in use April 1932 to May 1956.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1680	1720	1730	e1700	e1500	1550	982	1180	3570	1220	770	794
2	1810	1720	1730	e1600	e1600	1550	958	1180	3210	1240	691	824
3	1820	1750	1710	e1500	e1500	1520	1000	1130	2600	1300	695	808
4	1820	1770	1700	e1400	e1400	1470	1050	1280	2640	1240	715	792
5	1820	1800	1610	e1500	e1500	1470	975	1660	2740	1300	748	810
6	1770	1790	1610	e1600	e1500	1470	911	2030	2660	1190	953	739
7	1740	1790	1630	e1600	e1500	1490	848	2470	2580	994	951	690
8	1680	1780	1600	e1500	e1600	1460	880	2400	2410	893	877	719
9	1690	1780	1620	e1500	e1500	1420	895	1930	2350	850	828	714
10	1690	1730	1460	e1500	e1500	1380	859	1730	2540	846	799	704
11	1650	1730	1600	e1500	e1500	1370	843	1540	2360	858	775	727
12	1680	1730	1670	e1500	e1500	1360	790	1450	1980	874	735	738
13	1690	1690	1680	e1600	e1500	1310	786	1350	1870	830	730	709
14	1730	1680	e1600	e1600	e1500	1300	766	1290	1970	791	761	703
15	1750	1660	e1500	e1600	e1600	1290	898	1250	1790	747	736	679
16	1840	1650	e1600	e1600	e1600	1280	933	1200	1850	727	692	709
17	1840	1650	1690	e1500	1550	1290	870	1270	1990	787	679	732
18	1840	1680	1690	e1500	1560	1310	800	4280	1740	922	670	745
19	1860	1700	1670	e1500	1550	1310	785	2770	1540	1140	664	773
20	1850	1680	1620	e1500	1420	1290	942	2440	1570	1200	701	799
21	1790	1680	1660	e1500	1440	1300	877	2320	1840	1080	726	894
22	1770	1660	1640	e1500	1560	1280	853	2190	1660	986	728	1010
23	1750	1630	e1600	e1500	1620	1280	827	2410	1520	948	693	1260
24	1740	1570	e1500	e1500	1650	1290	941	3110	e1500	960	695	1490
25	1750	1570	e1500	e1400	1720	1250	1510	3550	e1500	927	688	1540
26	1760	1700	e1600	e1500	1520	1270	1640	3040	e1550	852	679	1450
27	1750	1790	e1700	e1500	1450	1280	1260	3080	e1550	800	638	1300
28	1740	1770	e1600	e1500	1520	1200	1090	2890	1560	804	663	1220
29	1740	1720	e1600	e1400	1540	1140	1010	3350	1470	845	642	1180
30	1730	1720	e1600	e1400	---	1110	1090	3940	1280	797	625	1140
31	1720	---	e1600	e1500	---	1080	---	3750	---	803	665	---
TOTAL	54490	51290	50320	47000	44400	41370	28869	69460	61390	29751	22612	27392
MEAN	1758	1710	1623	1516	1531	1335	962	2241	2046	960	729	913
MAX	1860	1800	1730	1700	1720	1550	1640	4280	3570	1300	953	1540
MIN	1650	1570	1460	1400	1400	1080	766	1130	1280	727	625	679
AC-FT	108100	101700	99810	93220	88070	82060	57260	137800	121800	59010	44850	54330

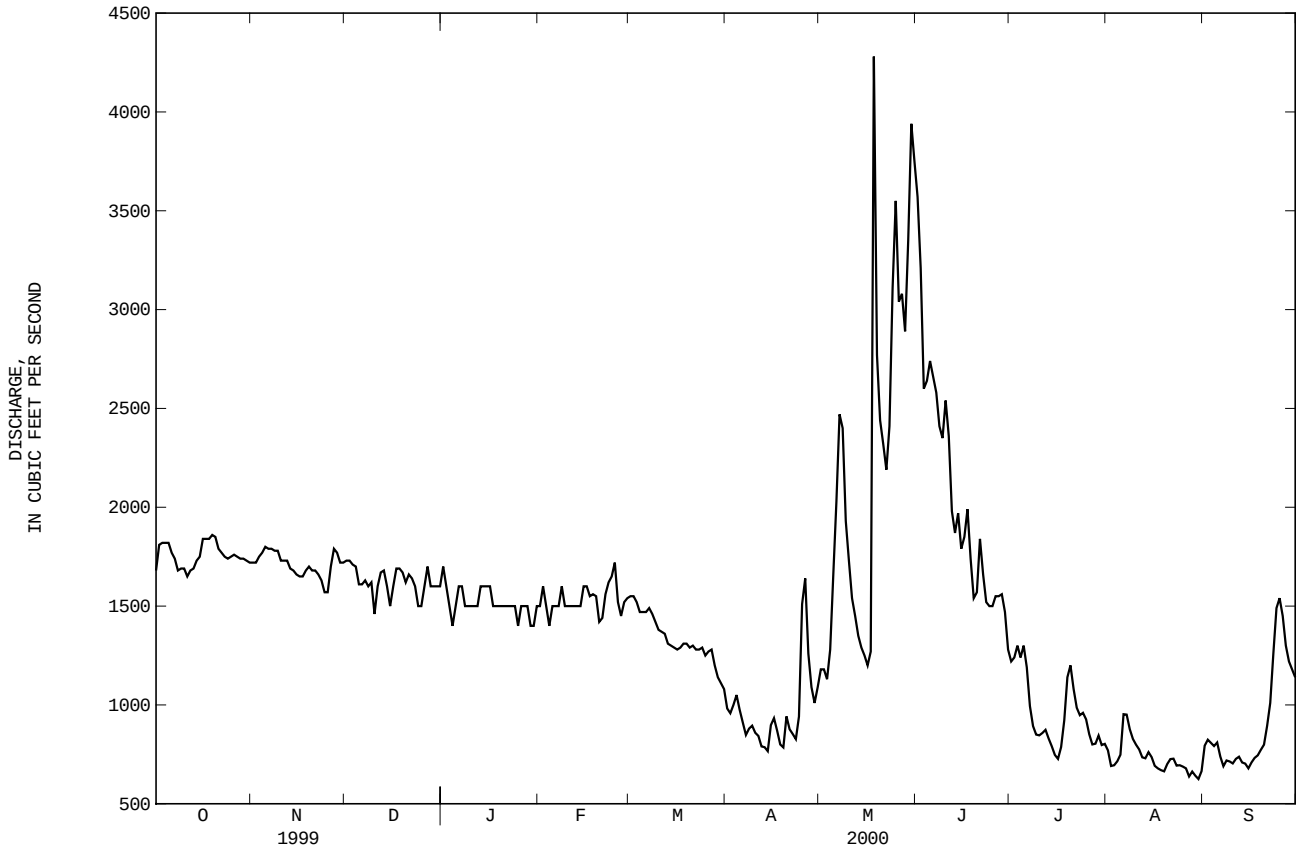
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2000, BY WATER YEAR (WY)

MEAN	1826	1692	1474	1381	1553	1844	1836	3233	5923	3213	1471	1548
MAX	3994	2871	2506	2871	3164	3171	3454	7505	14680	11650	6388	3673
(WY)	1983	1984	1983	1972	1983	1972	1943	1947	1944	1967	1930	1973
MIN	524	737	627	580	550	740	696	1005	1032	501	305	386
(WY)	1936	1961	1961	1937	1933	1989	1961	1960	1934	1961	1940	1935

06279500 BIGHORN RIVER AT KANE, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1930 - 2000*	
ANNUAL TOTAL	1228700		528344		--	
ANNUAL MEAN	3366		1444		2249	
HIGHEST ANNUAL MEAN	--		--		3524	1947
LOWEST ANNUAL MEAN	--		--		915	1989
HIGHEST DAILY MEAN	12800	May 31	4280	May 18	24800	Jun 15 1935
LOWEST DAILY MEAN	1100	Apr 20	625	Aug 30	179	Jul 22 1934
ANNUAL SEVEN-DAY MINIMUM	1230	Apr 15	657	Aug 25	184	Jul 18 1934
INSTANTANEOUS PEAK FLOW	--		5070[a]	May 18	25200[b]	Jun 16 1935
INSTANTANEOUS PEAK STAGE	--		6.59[c]	Dec 26	11.10[b]	Jun 16 1935
ANNUAL RUNOFF (AC-FT)	2437000		1048000		1630000	
10 PERCENT EXCEEDS	7540		1840		4050	
50 PERCENT EXCEEDS	1920		1500		1670	
90 PERCENT EXCEEDS	1600		746		800	

* August 1928 to September 1929 not included in computations, monthly only for selected months.
a Gage height, 4.32 ft.
b Site and datum then in use.
c Backwater from ice.
e Estimated.



06279940 NORTH FORK SHOSHONE RIVER AT WAPITI, WY

LOCATION.--Lat 44°28'10", long 109°25'49", in SE$^1/_4$ NW$^1/_4$ NW$^1/_4$ sec.19, T.52 N., R.104 W., Park County, Hydrologic Unit 10080012, on left bank 1,000 ft downstream from bridge on U.S. Highway 14-20, 0.3 mi upstream from Jim Creek, and 0.3 mi downstream from Wapiti.

DRAINAGE AREA.--699 mi^2.

PERIOD OF RECORD.--October 1989 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,580 ft above sea level, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Diversion for irrigation of about 1,500 acres upstream from station. Bureau of Reclamation data collection platform with satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 9, 1981, at station 06280000 North Fork Shoshone River near Wapiti, 4.2 mi downstream, reached a discharge of 20,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 28	0545	5,030	6.65
June 7	2300	*5,260	*6.75

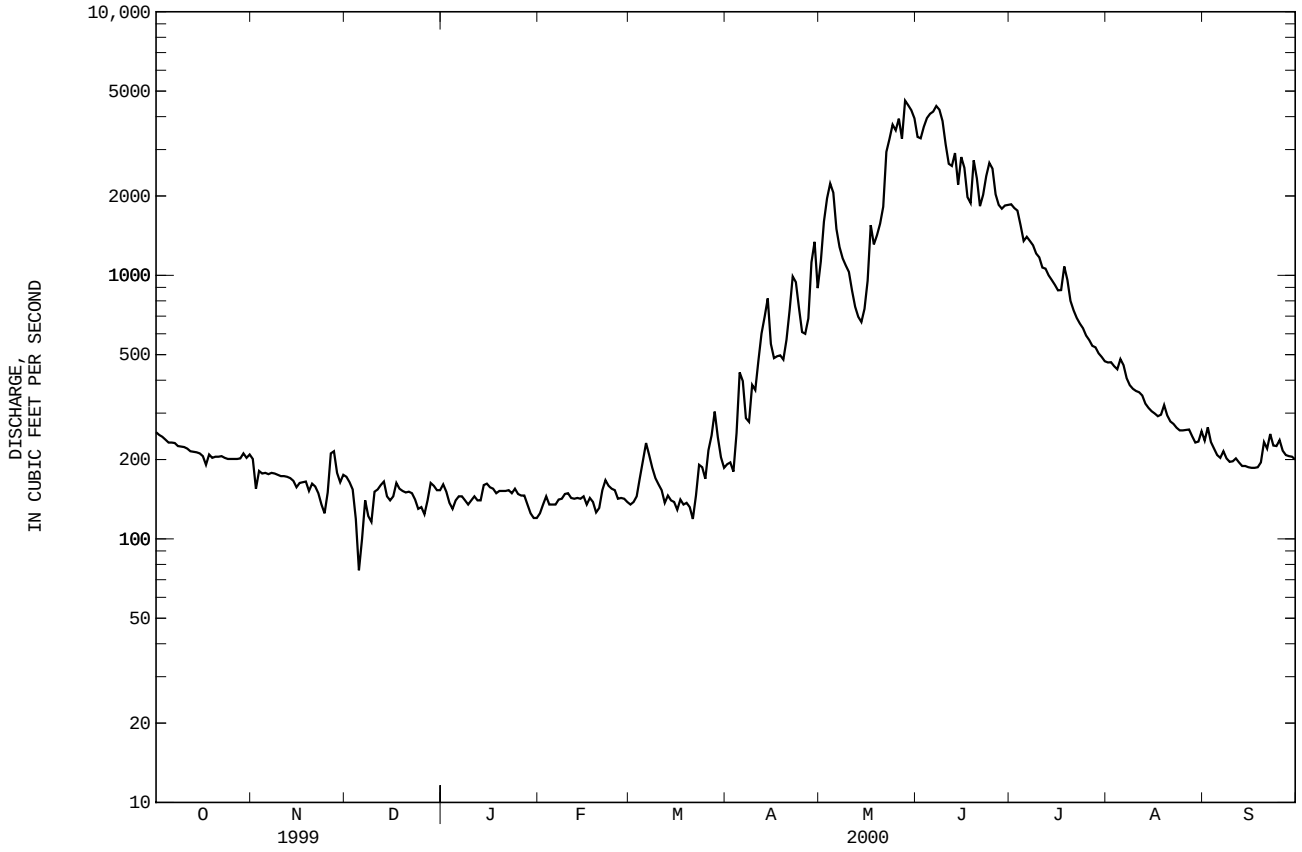
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	254	201	172	161	e125	135	192	1130	3350	1860	467	236
2	248	155	164	151	e135	138	195	1600	3310	1800	468	265
3	244	181	154	137	e145	145	180	1960	3660	1760	452	233
4	238	177	119	e130	e135	170	252	2230	3950	e1550	440	220
5	232	178	e76	e140	e135	198	428	2060	4100	e1350	481	208
6	232	176	e100	e145	e135	231	397	1500	4180	e1400	456	203
7	231	178	e140	e145	141	208	287	1280	4390	e1350	407	215
8	225	177	122	e140	142	186	278	1160	4250	e1300	383	202
9	224	175	116	e135	148	170	384	1090	3850	1210	371	196
10	223	173	151	e140	149	161	367	1030	3140	1170	364	197
11	220	173	154	e145	143	153	474	876	2650	1070	360	202
12	215	172	160	e140	142	137	601	760	2600	1060	350	195
13	214	170	e165	e140	143	146	696	696	2910	1000	326	189
14	213	166	e145	160	142	140	817	665	2210	960	314	189
15	211	157	e140	162	145	138	549	746	2810	920	305	187
16	206	163	e145	157	e135	129	485	953	2560	877	299	186
17	191	164	163	155	143	141	493	1550	1980	879	292	186
18	209	165	155	149	138	135	497	1310	1880	1080	296	187
19	203	152	152	152	126	137	479	1420	2730	961	322	195
20	205	162	150	152	131	132	569	1570	2330	800	294	233
21	205	158	151	152	153	119	736	1820	1830	736	279	220
22	206	149	149	153	167	146	990	2940	2020	689	273	250
23	203	135	141	149	159	191	942	3290	2380	656	264	226
24	201	e125	130	155	155	187	753	3730	2670	630	258	225
25	201	e150	132	148	153	169	609	3550	2540	591	258	237
26	201	211	124	146	142	217	600	3930	2030	568	259	216
27	201	215	140	146	143	247	686	3300	1850	540	260	208
28	202	178	163	e135	142	304	1120	4600	1790	533	245	206
29	211	164	159	e125	138	243	1340	4420	1840	506	232	205
30	203	175	153	e120	---	204	894	4230	1850	490	234	200
31	209	---	153	e120	---	186	---	3940	---	472	256	---
TOTAL	6681	5075	4438	4485	4130	5343	17290	65336	83640	30768	10265	6317
MEAN	216	169	143	145	142	172	576	2108	2788	993	331	211
MAX	254	215	172	162	167	304	1340	4600	4390	1860	481	265
MIN	191	125	76	120	125	119	180	665	1790	472	232	186
AC-FT	13250	10070	8800	8900	8190	10600	34290	129600	165900	61030	20360	12530
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2000, BY WATER YEAR (WY)												
MEAN	264	215	163	149	150	210	536	2075	3737	2024	621	340
MAX	330	304	283	199	184	294	792	3459	6251	3130	1015	480
(WY)	1998	1997	1996	1997	1997	1997	1990	1997	1997	1996	1997	1997
MIN	216	157	139	121	123	144	282	1221	1840	595	249	170
(WY)	2000	1995	1993	1992	1994	1991	1993	1990	1994	1994	1994	1994

06279940 NORTH FORK SHOSHONE RIVER AT WAPITI, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1990 - 2000	
ANNUAL TOTAL	354824		243768		--	
ANNUAL MEAN	972		666		875	
HIGHEST ANNUAL MEAN	--		--		1324	1997
LOWEST ANNUAL MEAN	--		--		551	1994
HIGHEST DAILY MEAN	7260	Jun 21	4600	May 28	8940	Jun 10 1997
LOWEST DAILY MEAN	76	Dec 5	76	Dec 5	74	Dec 23 1996
ANNUAL SEVEN-DAY MINIMUM	118	Dec 4	118	Dec 4	81	Dec 19 1996
INSTANTANEOUS PEAK FLOW	--		5260	Jun 7	11000[a]	Jun 9 1996
INSTANTANEOUS PEAK STAGE	--		6.75	Jun 7	9.54[b]	Jun 13 1991
ANNUAL RUNOFF (AC-FT)	703800		483500		634200	
10 PERCENT EXCEEDS	3270		1970		2730	
50 PERCENT EXCEEDS	257		211		273	
90 PERCENT EXCEEDS	144		139		139	

a Gage height, 8.63 ft, from floodmarks.
b Discharge, 9,460 ft^3/s.
e Estimated.



06280300 SOUTH FORK SHOSHONE RIVER NEAR VALLEY, WY

LOCATION.--Lat 44°12'30", long 109°33'15", in NE$^1/_4$ NE$^1/_4$ sec.24, T.49 N., R.106 W., Park County, Hydrologic Unit 10080013, Shoshone National Forest, on left bridge abutment of U.S. Forest Service bridge, 0.4 mi downstream from Boulder Creek, 3.2 mi northeast of Valley, and 34 mi southwest of Cody.

DRAINAGE AREA.--297 mi^2.

PERIOD OF RECORD.--October 1956 to September 1958, October 1959 to current year.

REVISED RECORDS.--WRD WY 1974: 1963.

GAGE.--Water-stage recorder. Elevation of gage is 6,200 ft above sea level, from topographic map. Prior to Nov. 22, 1961, at site 75 ft upstream at same datum.

REMARKS.--Records fair except those for estimated daily discharge, which are poor. Diversions for irrigation of about 450 acres upstream from station. Data collection platform with satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 2,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 7	2315	*3,040	*7.64

No other peak greater than base discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	198	126	104	85	58	76	86	471	1630	1130	252	162
2	190	113	102	81	69	77	90	718	1610	1090	256	190
3	177	121	100	67	81	76	85	802	1790	999	246	168
4	170	122	94	63	78	82	94	906	1910	918	244	157
5	167	124	76	76	78	88	130	e1000	1980	813	302	150
6	166	121	72	75	81	96	132	e750	2060	842	270	151
7	163	119	81	72	82	93	110	e600	2270	821	237	148
8	159	121	73	69	82	89	103	e500	2200	800	220	140
9	156	119	69	74	84	86	124	e400	1940	788	211	137
10	156	117	83	79	84	84	122	349	1580	779	210	137
11	153	118	72	79	80	82	151	292	1450	717	212	142
12	150	117	78	75	82	77	194	245	1440	697	204	136
13	150	115	93	74	80	79	256	225	1410	648	195	131
14	147	114	82	81	80	82	261	219	1150	624	188	133
15	147	109	72	85	79	81	184	243	1410	607	186	129
16	145	113	84	88	74	76	162	347	1240	585	185	127
17	136	113	95	89	79	78	149	558	1030	606	183	129
18	144	114	92	86	74	76	154	498	1040	589	187	129
19	137	100	90	87	69	77	160	648	1290	493	190	135
20	137	109	86	82	64	77	161	764	1020	433	181	152
21	137	107	87	84	76	70	208	876	872	401	174	149
22	137	101	86	81	82	75	309	1230	1110	378	169	159
23	134	87	84	79	79	88	258	1620	1300	356	164	161
24	133	75	81	77	81	87	206	1860	1390	343	160	169
25	133	80	82	79	81	81	175	1850	1280	321	160	181
26	130	106	79	80	73	87	170	1700	1100	311	160	166
27	131	108	80	76	78	91	212	1390	1160	295	157	157
28	131	101	85	67	80	101	461	1930	1050	288	154	150
29	132	100	83	59	77	96	513	2040	1110	272	149	149
30	127	102	80	57	---	89	292	1900	1120	262	155	146
31	130	---	81	57	---	87	---	1780	---	256	163	---
TOTAL	4603	3292	2606	2363	2245	2584	5712	28711	42942	18462	6124	4470
MEAN	148	110	84.1	76.2	77.4	83.4	190	926	1431	596	198	149
MAX	198	126	104	89	84	101	513	2040	2270	1130	302	190
MIN	127	75	69	57	58	70	85	219	872	256	149	127
AC-FT	9130	6530	5170	4690	4450	5130	11330	56950	85180	36620	12150	8870

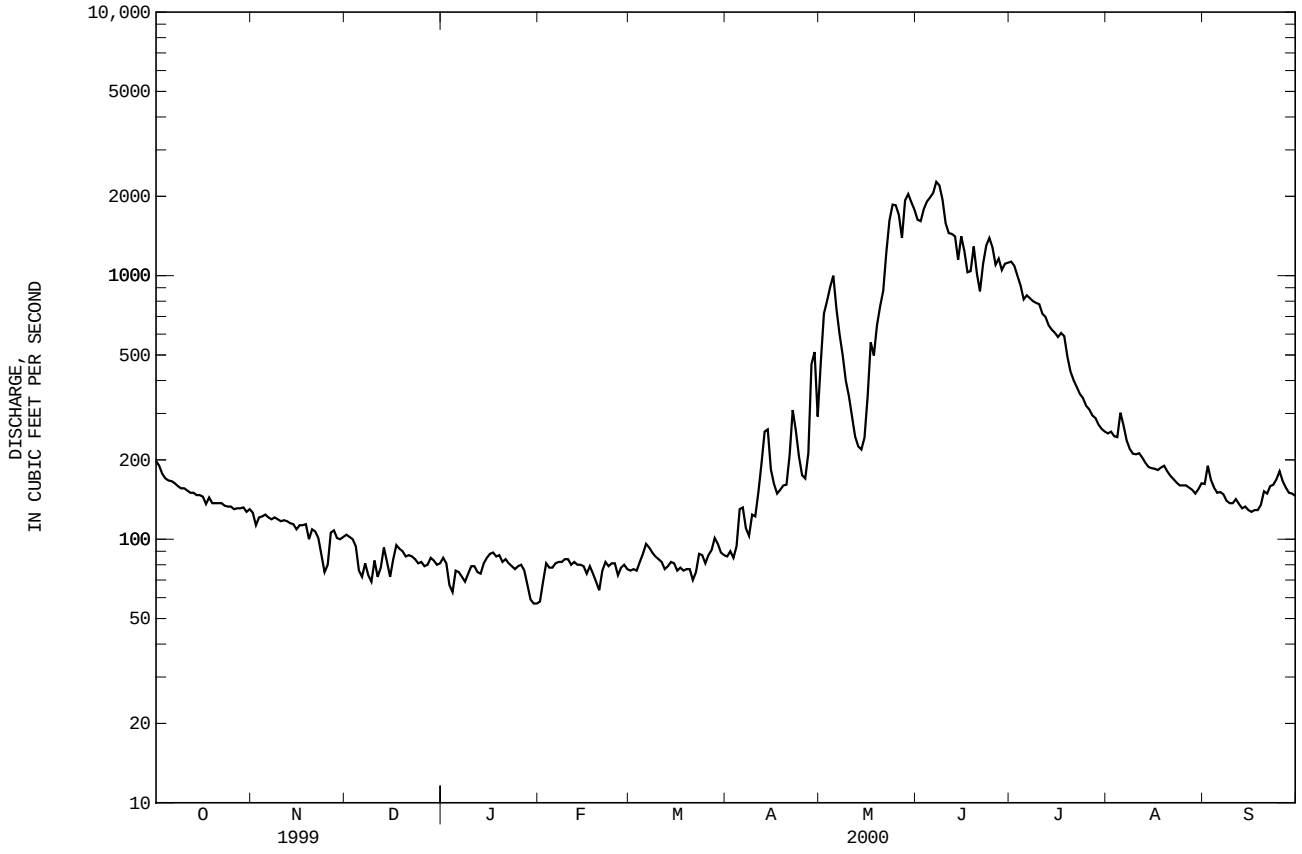
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2000, BY WATER YEAR (WY)

MEAN	157	109	83.7	77.1	73.3	80.2	164	745	1754	1138	383	214
MAX	244	147	109	100	93.8	128	341	1387	2920	2287	834	341
(WY)	1983	1985	1966	1997	1962	1986	1962	1958	1997	1975	1982	1982
MIN	92.5	70.6	56.2	55.2	54.8	59.8	69.6	252	856	308	156	110
(WY)	1989	1980	1989	1989	1989	1975	1970	1977	1994	1988	1988	1988

06280300 SOUTH FORK SHOSHONE RIVER NEAR VALLEY, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1957 - 2000	
ANNUAL TOTAL	175704		124114		--	
ANNUAL MEAN	481		339		416	
HIGHEST ANNUAL MEAN	--		--		609	1997
LOWEST ANNUAL MEAN	--		--		221	1977
HIGHEST DAILY MEAN	3710	Jun 21	2270	Jun 7	6100	Jun 9 1981
LOWEST DAILY MEAN	67	Jan 26	57	Jan 30,31	31	Dec 21 1998
ANNUAL SEVEN-DAY MINIMUM	74	Jan 24	63	Jan 27	40	Dec 18 1990
INSTANTANEOUS PEAK FLOW	--		3040	Jun 7	10000	Jun 9 1981
INSTANTANEOUS PEAK STAGE	--		7.64	Jun 7	9.24[a]	Jun 9 1981
ANNUAL RUNOFF (AC-FT)	348500		246200		301200	
10 PERCENT EXCEEDS	1570		1090		1260	
50 PERCENT EXCEEDS	156		137		140	
90 PERCENT EXCEEDS	79		77		68	

a From floodmarks.
e Estimated.



06281000 SOUTH FORK SHOSHONE RIVER ABOVE BUFFALO BILL RESERVOIR, WY

LOCATION.--Lat 44°25'09", long 109°15'26", in lot 5, SE$^1/_4$ NE$^1/_4$ SE$^1/_4$ sec. 5, T.51 N., R.103 W., Park County, Hydrologic Unit 10080013, on right bank at old diversion structure 0.2 miles downstream from Cody Canal diversion, 1 mile upstream from normal pool of Buffalo Bill Reservoir at elevation 5,364 ft, and 12.5 miles southwest of Cody.

DRAINAGE AREA.--585 mi^2.

PERIOD OF RECORD.--May to November 1903, May 1905 to September 1908, January 1921 to September 1926, October 1973 to current year (gage heights only June to September 1908). No winter records 1906, 1908, 1922. Published as "at Marquette" 1903, 1905-8, and as Shoshone River above Shoshone Reservoir 1921-26.

REVISED RECORDS.--WSP 1309: 1907.

GAGE.--Water-stage recorder. Elevation of gage is 5,440 ft above sea level, from topographic map. Apr. 26 to Nov. 30, 1903, and May 1905 to May 30, 1908, nonrecording gages at sites within about 6.0 mi downstream at different datums. Prior to Oct. 3, 1989, recording gage at site 1.1 mile downstream at different datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Diversions for irrigation of about 11,000 acres upstream from station. Bureau of Reclamation data collection platform with satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	148	152	117	82	104	112	251	1520	962	2.6	2.3
2	30	135	149	111	97	100	116	579	1430	896	3.7	2.7
3	17	153	144	91	108	100	115	615	1750	743	2.3	2.2
4	11	159	137	e80	105	101	119	768	1940	665	12	2.2
5	5.1	162	124	e110	110	109	153	818	2050	437	14	2.3
6	11	162	114	e100	109	118	173	479	2010	468	3.0	2.4
7	13	161	116	98	109	119	156	318	2260	426	2.2	2.5
8	9.8	162	110	e88	110	119	139	223	2310	425	2.5	2.2
9	8.5	162	94	e100	112	112	152	184	2080	370	2.6	2.1
10	7.3	168	112	e120	113	110	165	152	1390	401	2.6	2.2
11	5.6	175	112	e110	113	107	162	94	1020	316	3.4	2.7
12	3.8	175	110	e110	112	102	161	32	1050	285	2.7	2.2
13	5.6	173	122	e100	112	100	195	7.7	1140	239	2.1	2.3
14	8.0	172	117	126	112	102	245	2.8	717	218	2.0	1.8
15	9.0	165	96	127	114	103	187	4.3	993	205	2.4	1.3
16	11	169	114	129	108	99	165	51	1020	173	2.4	1.3
17	8.0	169	134	128	108	100	132	460	652	186	2.5	1.3
18	25	168	136	123	108	101	94	342	564	179	2.3	1.3
19	34	155	127	116	98	100	104	386	989	143	2.4	1.8
20	34	159	121	113	95	101	106	491	727	86	2.1	2.7
21	32	156	129	110	101	97	138	629	443	44	2.3	5.0
22	32	153	e130	111	109	96	235	1030	652	17	2.3	48
23	32	141	e130	110	112	106	220	1630	987	4.4	2.1	68
24	31	114	130	108	108	112	174	2000	1210	3.3	2.3	61
25	30	115	123	110	111	108	130	2020	1230	3.0	3.5	59
26	29	140	120	117	103	111	92	1820	835	2.9	2.3	19
27	39	159	116	110	104	115	84	1430	889	2.7	2.3	3.5
28	52	150	121	100	108	124	230	2100	732	3.0	2.3	2.6
29	89	148	122	88	107	127	563	2600	829	2.9	2.2	2.5
30	114	150	118	87	---	120	227	2220	860	2.6	2.9	2.3
31	148	---	115	84	---	114	---	1950	---	2.6	2.6	---
TOTAL	896.7	4678	3795	3332	3098	3337	5044	25686.8	36279	7911.4	98.9	312.7
MEAN	28.9	156	122	107	107	108	168	829	1209	255	3.19	10.4
MAX	148	175	152	129	114	127	563	2600	2310	962	14	68
MIN	3.8	114	94	80	82	96	84	2.8	443	2.6	2.0	1.3
AC-FT	1780	9280	7530	6610	6140	6620	10000	50950	71960	15690	196	620

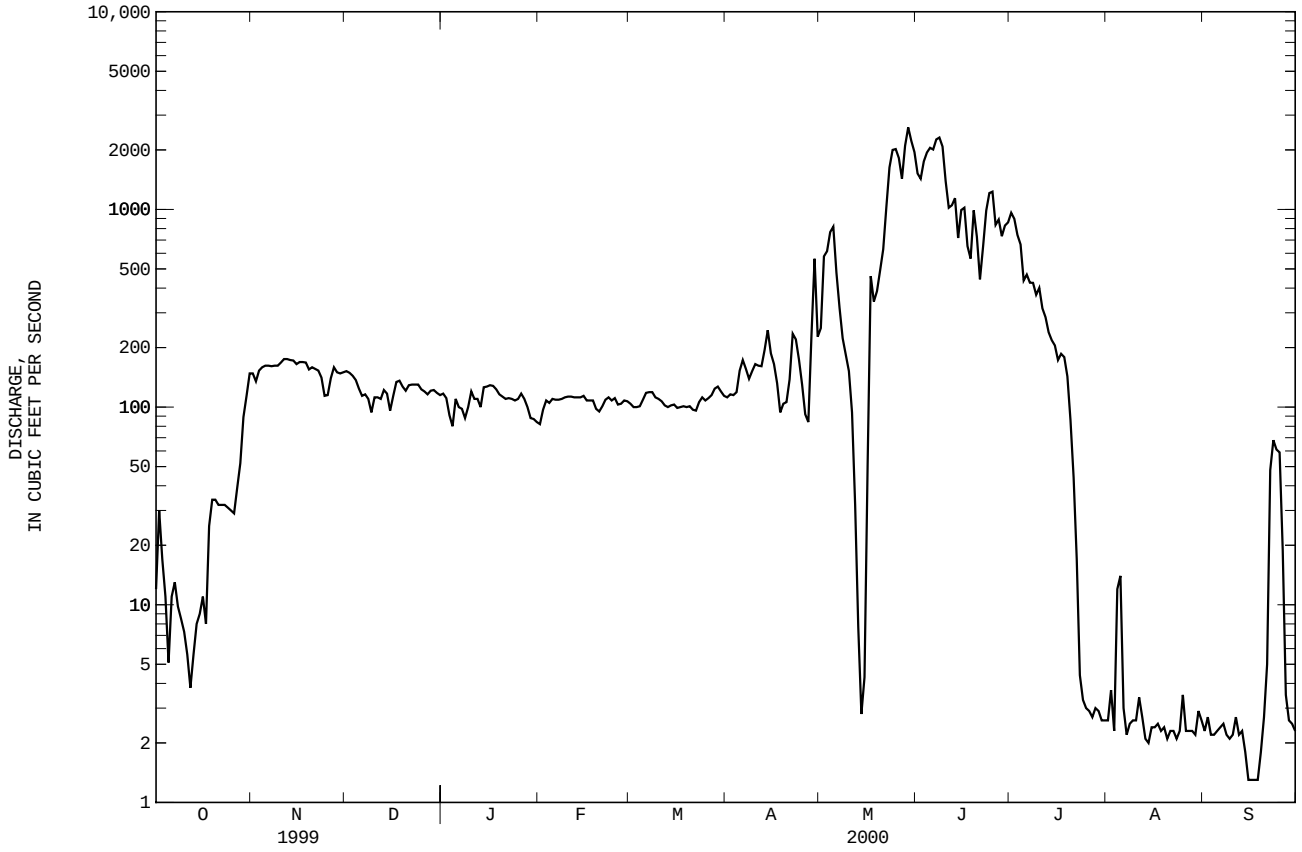
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2000, BY WATER YEAR (WY)

MEAN	110	155	118	104	101	114	193	694	1762	1079	193	86.7
MAX	407	268	167	158	145	174	387	1281	3813	3033	1083	381
(WY)	1924	1924	1998	1997	1998	1986	1925	1991	1997	1907	1907	1907
MIN	18.0	71.2	54.5	51.9	72.9	76.8	77.0	168	495	18.9	.85	.039
(WY)	1979	1980	1925	1995	1985	1924	1995	1977	1994	1994	1994	1992

06281000 SOUTH FORK SHOSHONE RIVER ABOVE BUFFALO BILL RESERVOIR, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1903 - 2000	
ANNUAL TOTAL	163121.6		94469.5		--	
ANNUAL MEAN	447		258		385	
HIGHEST ANNUAL MEAN	--		--		705	1907
LOWEST ANNUAL MEAN	--		--		181	1988
HIGHEST DAILY MEAN	4350	Jun 21	2600	May 29	7370	Jun 9 1981
LOWEST DAILY MEAN	3.8	Oct 12	1.3	Sep 15-18	.00	Several days, 1992-1993
ANNUAL SEVEN-DAY MINIMUM	6.8	Oct 9	1.6	Sep 13	.00	Sep 15 1992
INSTANTANEOUS PEAK FLOW	--		3460	May 29	9960	Jun 9 1981
INSTANTANEOUS PEAK STAGE	--		7.59	May 29	9.41[a]	Jun 9 1981
ANNUAL RUNOFF (AC-FT)	323600		187400		279100	
10 PERCENT EXCEEDS	1560		783		1280	
50 PERCENT EXCEEDS	130		112		126	
90 PERCENT EXCEEDS	32		2.5		31	

a Site and datum then in use.
e Estimated.



06281500 BUFFALO BILL RESERVOIR NEAR CODY, WY

LOCATION.--Lat 44°30'05", long 109°11'00", in NE$^{1}/_{4}$ sec.12, T.52 N., R.103 W., Park County, Hydrologic Unit 10080013, at dam on Shoshone River, 5.0 mi upstream from Trail Creek, and 6.0 mi southwest of Cody.

DRAINAGE AREA.--1,498 mi^{2}.

PERIOD OF RECORD.--May to July 1909, January 1910 to current year. Monthend contents only prior to October 1938, published in WSP 1309. Prior to October 1944, published as Shoshone Reservoir near Cody.

GAGE.--Water-stage recorder. Datum of gage is sea level (Bureau of Reclamation datum). Prior to July 8, 1959, nonrecording gage at same datum.

REMARKS.--Reservoir is formed by masonry dam completed by Bureau of Reclamation in 1909. Height of dam was increased 25 ft, effective 1992, increasing capacity to 604,800 acre-ft, elevation 5,393.50 ft, from 424,000 acre-ft, elevation 5,360.00 ft. Crest of dam is at elevation 5,395.00 ft. Dead storage negligible. Figures given herein represent total contents. Water used for power generation and irrigation of lands east of Cody.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily contents, 647,000 acre-ft, July 30, 1996, elevation, 5,393.51 ft; minimum daily contents, 19,000 acre-ft, Jan 23-25, 1941, elevation, 5,225.3 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily contents, 622,000 acre-ft, July 3-5, maximum daily elevation, 5,390.53 ft, July 4; minimum daily contents, 400,000 acre-ft, Sept. 30, minimum daily elevation, 5,360.15 ft, Sept. 30.

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

5,345	304,000	5,375	500,000
5,355	364,000	5,385	575,000
5,365	429,000	5,395	655,000

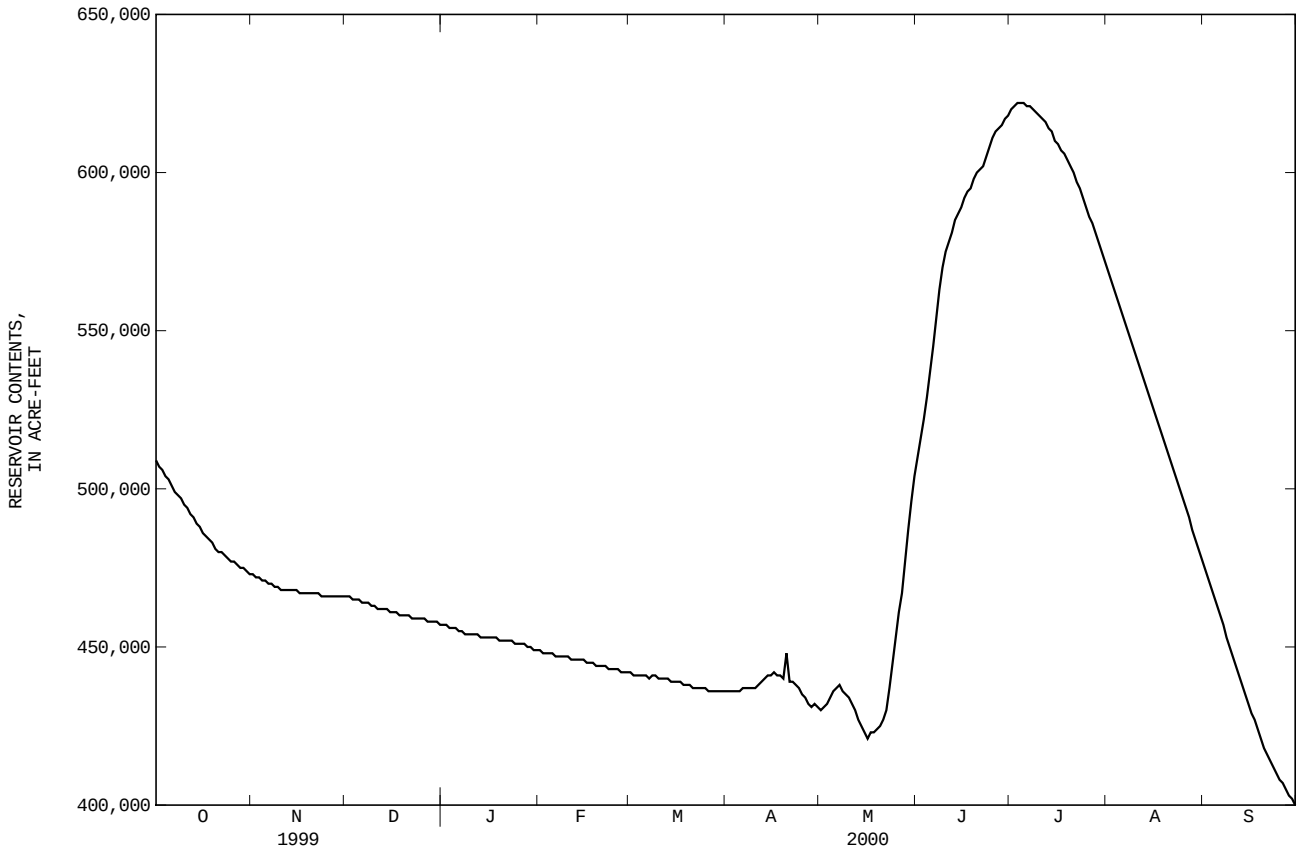
RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	509000	473000	466000	457000	449000	442000	436000	430000	510000	620000	569000	475000
2	507000	472000	466000	457000	448000	441000	436000	431000	516000	621000	566000	472000
3	506000	472000	465000	456000	448000	441000	436000	432000	522000	622000	563000	469000
4	504000	471000	465000	456000	448000	441000	436000	434000	529000	622000	560000	466000
5	503000	471000	465000	456000	448000	441000	436000	436000	537000	622000	557000	463000
6	501000	470000	464000	455000	447000	441000	437000	437000	545000	621000	554000	460000
7	499000	470000	464000	455000	447000	440000	437000	438000	554000	621000	551000	457000
8	498000	469000	464000	454000	447000	441000	437000	436000	563000	620000	548000	453000
9	497000	469000	463000	454000	447000	441000	437000	435000	570000	619000	545000	450000
10	495000	468000	463000	454000	447000	440000	437000	434000	575000	618000	542000	447000
11	494000	468000	462000	454000	446000	440000	438000	432000	578000	617000	539000	444000
12	492000	468000	462000	454000	446000	440000	439000	430000	581000	616000	536000	441000
13	491000	468000	462000	453000	446000	440000	440000	427000	585000	614000	533000	438000
14	489000	468000	462000	453000	446000	439000	441000	425000	587000	613000	530000	435000
15	488000	468000	461000	453000	446000	439000	441000	423000	589000	610000	527000	432000
16	486000	467000	461000	453000	445000	439000	442000	421000	592000	609000	524000	429000
17	485000	467000	461000	453000	445000	439000	441000	423000	594000	607000	521000	427000
18	484000	467000	460000	453000	445000	438000	441000	423000	595000	606000	518000	424000
19	483000	467000	460000	452000	444000	438000	440000	424000	598000	604000	515000	421000
20	481000	467000	460000	452000	444000	438000	448000	425000	600000	602000	512000	418000
21	480000	467000	460000	452000	444000	437000	439000	427000	601000	600000	509000	416000
22	480000	467000	459000	452000	444000	437000	439000	430000	602000	597000	506000	414000
23	479000	466000	459000	452000	443000	437000	438000	437000	605000	595000	503000	412000
24	478000	466000	459000	451000	443000	437000	437000	445000	608000	592000	500000	410000
25	477000	466000	459000	451000	443000	437000	435000	453000	611000	589000	497000	408000
26	477000	466000	459000	451000	443000	436000	434000	461000	613000	586000	494000	407000
27	476000	466000	458000	451000	442000	436000	432000	467000	614000	584000	491000	405000
28	475000	466000	458000	450000	442000	436000	431000	477000	615000	581000	487000	403000
29	475000	466000	458000	450000	442000	436000	432000	487000	617000	578000	484000	402000
30	474000	466000	458000	449000	---	436000	431000	496000	618000	575000	481000	400000
31	473000	---	457000	449000	---	436000	---	504000	---	572000	478000	---
MAX	509000	473000	466000	457000	449000	442000	448000	504000	618000	622000	569000	475000
MIN	473000	466000	457000	449000	442000	436000	431000	421000	510000	572000	478000	400000
(#)	5,370.82	5,369.78	5,368.60	5,367.40	5,366.38	5,365.58	5,364.83	5,375.06	5,390.02	5,384.08	5,371.44	5,360.15
(*)	-38,000	-7,000	-9,000	-8,000	-7,000	-6,000	-5,000	+73,000	+114,000	-46,000	-94,000	-78,000

WTR YR 2000 MAX 622,000 MIN 400,000 (*) -111,000

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

06281500 BUFFALO BILL RESERVOIR NEAR CODY, WY--Continued



06281700 SHOSHONE RIVER ABOVE DEMARIS SPRINGS, NEAR CODY, WY

LOCATION.--Lat 44°30'39", long 109°08'47", in NW$^1/_4$ SE$^1/_4$ sec.5, T.52 N., R.102 W, Park County, Hydrologic Unit 10080014, at bridge on State Highway 16, 1.9 mi downstream from Buffalo Bill Reservoir, and 3.8 mi west of Cody city limits.

PERIOD OF RECORD.--October 1987 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT											
27...	1030	601	643	98	9.3	7.4	148	7.0	10.0	50	14.3
NOV											
30...	0955	322	636	98	10.2	7.6	168	6.0	6.0	66	19.3
JAN											
26...	1725	362	633	98	11.6	7.2	203	-1.5	1.0	72	20.8
FEB											
29...	1300	380	636	111	12.8	--	223	9.0	2.0	78	22.3
MAY											
31...	1905	1120	633	111	10.6	7.2	160	16.5	9.0	56	16.0
JUL											
19...	1200	1160	639	109	9.8	8.1	129	27.5	12.0	43	12.4
AUG											
08...	1845	1110	635	98	8.7	7.5	126	30.5	12.5	45	12.6
SEP											
11...	1230	988	635	111	9.3	7.8	153	23.5	15.0	49	14.3

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT										
27...	3.42	.9	.6	9.7	58	.6	<.1	15.4	16.1	.13
NOV										
30...	4.27	1.0	.5	10.0	68	.6	.1	14.0	20.8	E.10
JAN										
26...	4.91	1.2	.7	13.4	82	1.0	.1	15.3	27.4	.15
FEB										
29...	5.35	1.3	.7	14.4	82	1.0	.2	14.2	29.8	.38
MAY										
31...	3.96	.8	.7	12.2	63	1.1	.1	14.0	18.9	.14
JUL										
19...	2.91	.6	.6	9.3	51	.5	<.1	14.4	11.2	.19
AUG										
08...	3.25	.8	.6	9.1	52	.6	<.1	14.0	13.9	.22
SEP										
11...	3.29	.9	.6	9.5	58	.7	.1	13.9	15.6	.11

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TUR-BID-ITY (NTU) (00076)
OCT										
27...	<.020	<.050	<.010	E.034	.034	.058	.13	155	95	3.1
NOV										
30...	<.020	<.050	<.010	<.050	.025	<.050	.15	96.5	111	2.2
JAN										
26...	.024	<.050	<.010	<.050	.016	E.045	.18	130	133	1.8
FEB										
29...	<.020	<.050	<.010	E.032	.016	.062	.19	142	138	1.5
MAY										
31...	<.020	<.050	<.010	<.050	.025	E.044	.14	318	105	4.5
JUL										
19...	<.020	<.050	<.010	E.032	.034	.060	.11	250	80	--
AUG										
08...	<.020	<.050	<.010	<.050	.028	E.047	.12	258	86	1.6
SEP										
11...	<.020	<.050	<.010	E.040	.028	E.044	.13	249	93	3.0

E Estimated.

06282000 SHOSHONE RIVER BELOW BUFFALO BILL RESERVOIR, WY

LOCATION.--Lat 44°31'00", long 109°05'50", in lot 71, NE$^{1}/_{4}$ sec.3, T.52 N., R.102 W., Park County, Hydrologic Unit 10080014, on left bank 0.5 mi downstream from Trail Creek, 1.0 mi west of Cody city limits, and 5.5 mi downstream from Buffalo Bill Reservoir.

DRAINAGE AREA.--1,538 mi^2. Area at site prior to Oct. 1, 1949, 1,502 mi^2.

PERIOD OF RECORD.--January 1921 to current year. Prior to October 1944, published as "below Shoshone Reservoir".

GAGE.--Water-stage recorder. Elevation of gage is 4,900 ft above sea level, from topographic map. Prior to Oct. 1, 1949, at site 2.5 mi upstream at different datum.

REMARKS.--Records good. Flow completely regulated by Buffalo Bill Reservoir (station 06281500). Diversions upstream from station for irrigation of about 56,100 acres, of which about 37,900 acres are downstream from station. Diversion, 2.1 mi upstream, to Heart Mountain Canal began in 1943. Bureau of Reclamation data collection platform with satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood since construction of Buffalo Bill Reservoir in 1909, 18,700 ft^3/s, June 15, 1918, by computation of flow over Corbett Dam, 10 mi downstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	810	650	389	414	410	426	411	1180	1170	1230	1250	1240
2	788	654	392	414	407	427	408	1180	1170	1220	1240	1230
3	787	661	384	407	411	426	407	1190	1170	1220	1240	1150
4	783	660	406	407	411	426	410	1230	1160	1220	1240	1160
5	718	649	403	409	411	426	411	1230	1170	1220	1240	1170
6	718	648	399	411	411	431	408	1230	1170	1230	1230	1170
7	712	642	405	410	409	410	410	1230	1170	1260	1240	1130
8	704	642	409	409	410	411	428	1230	1230	1270	1240	1100
9	709	649	409	411	409	412	416	1230	1220	1260	1240	1100
10	712	653	408	412	412	410	412	1230	1230	1250	1220	1090
11	710	649	407	421	411	410	407	1220	1230	1230	1210	1100
12	645	583	407	411	411	412	401	1220	1240	1220	1220	1100
13	645	297	408	409	411	413	412	1220	1180	1210	1220	1100
14	643	249	423	413	410	411	585	1210	1180	1240	1210	1110
15	652	397	429	412	402	411	504	1220	1190	1240	1190	1110
16	634	576	435	411	414	410	509	1260	1190	1220	1200	1090
17	643	405	433	411	409	415	579	1270	1200	1230	1200	1030
18	642	402	431	413	414	412	735	1230	1200	1200	1190	1050
19	637	401	436	416	414	413	756	1210	1200	1200	1190	1040
20	644	401	430	417	414	413	822	1210	1190	1210	1190	1040
21	639	400	410	402	413	413	953	1210	1180	1240	1190	1010
22	639	394	401	403	410	412	1010	1200	1190	1240	1220	936
23	665	398	408	406	405	414	1010	1200	1170	1240	1210	878
24	674	399	406	406	407	413	1130	1190	1180	1240	1210	849
25	667	391	408	411	420	414	1140	1200	1180	1250	1210	800
26	661	390	408	416	430	413	1130	1180	1170	1250	1210	767
27	663	389	414	412	422	415	1170	1190	1190	1260	1210	730
28	665	389	415	408	423	412	1180	1180	1190	1260	1210	730
29	661	384	415	403	424	411	1180	1190	1240	1260	1220	722
30	660	382	415	405	---	411	1180	1180	1240	1250	1220	722
31	660	---	415	412	---	411	---	1170	---	1250	1230	---
TOTAL	21190	14784	12758	12722	11965	12864	20914	37520	35790	38320	37740	30454
MEAN	684	493	412	410	413	415	697	1210	1193	1236	1217	1015
MAX	810	661	436	421	430	431	1180	1270	1240	1270	1250	1240
MIN	634	249	384	402	402	410	401	1170	1160	1200	1190	722
AC-FT	42030	29320	25310	25230	23730	25520	41480	74420	70990	76010	74860	60410

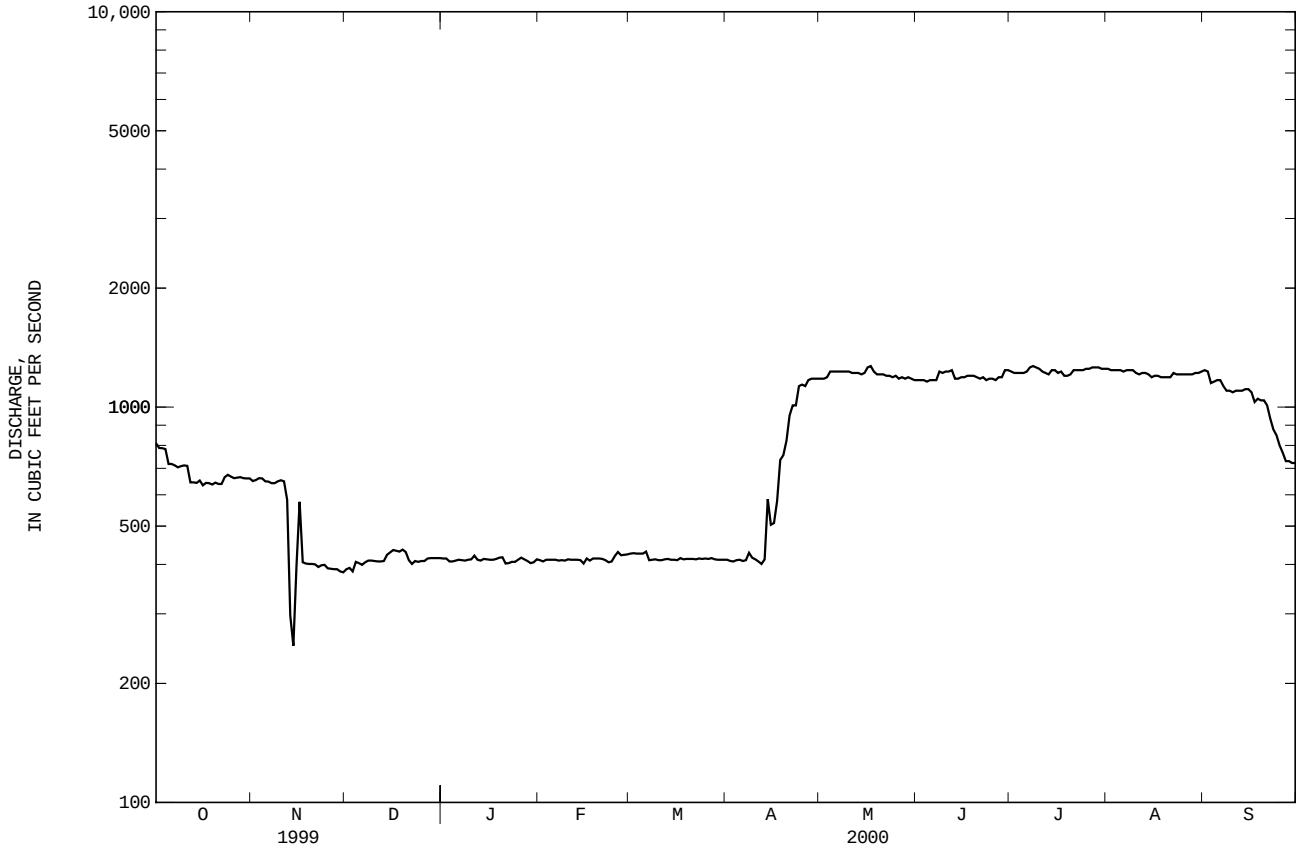
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2000, BY WATER YEAR (WY)

MEAN	683	528	527	495	494	525	853	1459	2479	2595	1311	942
MAX	1198	966	944	894	904	1638	3013	3162	6440	6556	3397	2113
(WY)	1953	1952	1951	1952	1997	1997	1997	1997	1943	1943	1958	1958
MIN	187	128	111	115	65.4	72.5	113	827	807	1017	685	582
(WY)	1989	1989	1989	1989	1959	1959	1959	1995	1992	1993	1977	1988

06282000 SHOSHONE RIVER BELOW BUFFALO BILL RESERVOIR, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1943 - 2000*	
ANNUAL TOTAL	411097		287021		--	
ANNUAL MEAN	1126		784		1077[a]	
HIGHEST ANNUAL MEAN	--		--		1764	1943
LOWEST ANNUAL MEAN	--		--		556	1988
HIGHEST DAILY MEAN	3670	Jun 25	1270	May 17	15100	Jun 9 1981
LOWEST DAILY MEAN	217	Feb 11	249	Nov 14	59	Nov 19 1933#
ANNUAL SEVEN-DAY MINIMUM	222	Feb 11	387	Nov 27	64	Jan 21 1959
INSTANTANEOUS PEAK FLOW	--		2130	May 16	17300	Jun 9 1981#
INSTANTANEOUS PEAK STAGE	--		5.86	May 16	11.57	Jun 9 1981
ANNUAL RUNOFF (AC-FT)	815400		569300		780400	
10 PERCENT EXCEEDS	2590		1230		1900	
50 PERCENT EXCEEDS	1050		661		841	
90 PERCENT EXCEEDS	334		407		308	

* Period following Heart Mountain Diversion. See REMARKS.
\# For period of record through 2000.
a Average discharge (water years 1922-1942) prior to Heart Mountain Diversion, 1,256 ft^3/s.



06284500 BITTER CREEK NEAR GARLAND, WY

LOCATION.--Lat 44°45'13", long 108°35'29", in $SW^1/_4$ $SW^1/_4$ $SW^1/_4$ sec.7, T.55 N., R.97 W., Big Horn County, Hydrologic Unit 10080014, 100 ft downstream from bridge on county road, 1.0 mi upstream from mouth, 4.0 mi southeast of Garland, and 5.0 mi southwest of Byron.

DRAINAGE AREA.--80.5 mi^2.

PERIOD OF RECORD.--Water years 1951-53, 1958-61, 1969 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1969 to September 1983.
WATER TEMPERATURES: July 1969 to September 1983.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
OCT							
26...	1725	85	660	183	17.2	8.6	944
JAN							
26...	1215	30	659	94	11.8	8.3	1240
JUN							
06...	1640	225	655	153	12.3	8.1	625
JUL							
18...	1000	304	661	100	8.6	8.3	617

DATE	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT							
26...	16.0	11.5	<.020	3.38	<.010	.021	53
JAN							
26...	1.0	.0	.066	5.17	.029	.037	45
JUN							
06...	25.0	18.5	<.020	2.92	.018	.052	K160
JUL							
18...	28.0	15.5	.032	2.64	.020	.096	500

K Results based on colony count outside the acceptable range (non-ideal colony count).

06285100 SHOSHONE RIVER NEAR LOVELL, WY

LOCATION.--Lat 44°50'19", long 108°26'04", in NW$^1/_4$ NE$^1/_4$ NE$^1/_4$ sec.17, T.56 N., R.96 W., Big Horn County, Hydrologic Unit 10080014, on left bank 20 ft downstream from bridge on County Road 9 and 1.5 mi west of Lovell.

DRAINAGE AREA.--2,350 mi^2.

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,850 ft above sea level, from topographic map. Prior to Oct. 1, 1976, at site 500 ft downstream, at datum 2.00 ft higher. Oct. 1, 1976 to Sept. 30, 1980, at site 500 ft downstream, at datum 1.00 ft higher. Oct. 1, 1981 to Nov. 13, 1986, at site 500 ft downstream at same datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow regulated by Buffalo Bill Reservoir (station 06281500). Natural flow of stream affected by storage reservoirs, power development, diversions upstream from station for irrigation of about 143,000 acres, of which about 8,000 acres are downstream from station, and return flow from irrigated areas. Data collection platform with satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1020	768	677	e580	e580	638	535	591	826	486	611	868
2	1010	765	679	604	e575	628	536	547	710	538	608	909
3	1020	866	675	600	e575	633	538	406	589	531	567	903
4	1010	882	665	598	e575	634	538	391	546	489	599	925
5	926	848	681	e600	e575	636	497	418	512	523	679	860
6	897	827	689	e600	e570	646	472	443	428	409	800	808
7	869	832	673	e600	572	633	464	559	348	335	853	846
8	831	934	666	e610	571	636	458	745	321	357	763	824
9	788	895	670	e610	584	601	470	694	465	405	708	801
10	732	909	685	e610	599	609	440	736	700	406	641	828
11	758	920	660	e615	581	647	340	741	726	370	620	831
12	758	900	650	618	579	615	315	773	815	288	591	797
13	691	714	654	599	567	585	341	796	846	242	688	762
14	712	394	663	e580	575	576	416	837	788	218	687	752
15	705	489	677	e580	576	574	556	863	913	242	617	731
16	768	828	673	580	573	568	560	781	1060	256	533	720
17	789	906	686	581	581	555	522	1650	1080	339	517	645
18	835	745	676	577	573	556	349	1760	1090	440	547	633
19	771	723	668	585	565	549	581	1200	1060	573	581	603
20	733	725	691	588	567	551	628	1460	1110	555	566	655
21	771	716	674	590	574	545	556	1290	1030	629	625	758
22	778	709	642	578	587	552	641	1260	905	675	583	894
23	913	689	628	576	613	551	601	1270	870	752	572	1080
24	956	695	629	578	612	548	642	1180	780	713	546	1150
25	975	705	645	574	639	543	560	1190	753	625	561	1120
26	1050	695	654	e575	603	541	482	1140	786	584	593	955
27	955	696	648	e575	618	543	434	1040	666	622	663	842
28	929	682	645	e575	626	548	402	928	629	640	684	738
29	899	671	656	e570	659	554	504	1040	596	654	647	685
30	852	676	e640	e575	---	537	595	992	554	682	648	635
31	824	---	e600	e575	---	535	---	856	---	709	794	---
TOTAL	26525	22804	20519	18256	17044	18067	14973	28577	22502	15287	19692	24558
MEAN	856	760	662	589	588	583	499	922	750	493	635	819
MAX	1050	934	691	618	659	647	642	1760	1110	752	853	1150
MIN	691	394	600	570	565	535	315	391	321	218	517	603
AC-FT	52610	45230	40700	36210	33810	35840	29700	56680	44630	30320	39060	48710

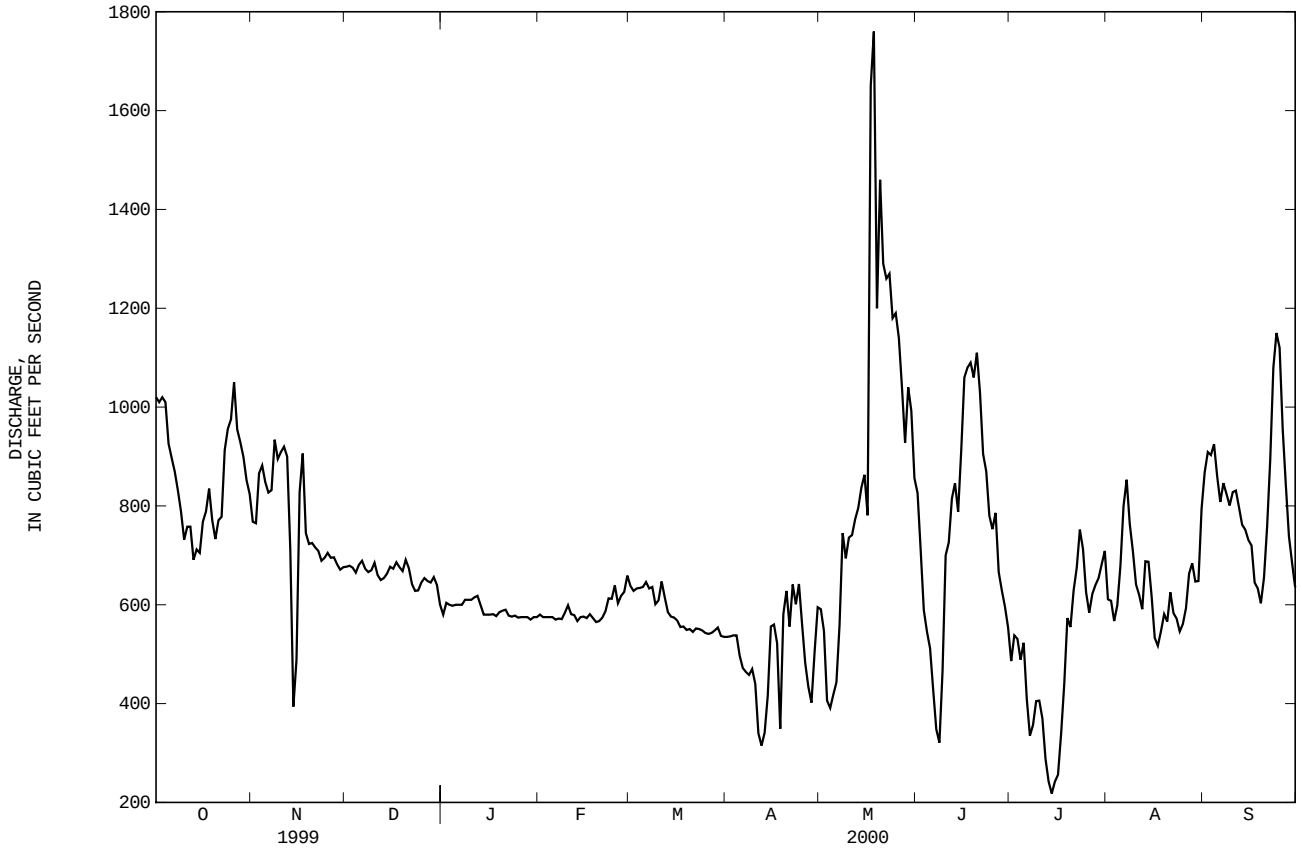
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2000, BY WATER YEAR (WY)

MEAN	777	725	658	588	613	687	829	914	1937	1828	755	788
MAX	1251	1146	1168	1065	1139	1951	3353	2925	4935	4686	1305	1354
(WY)	1972	1969	1969	1973	1973	1997	1997	1996	1981	1982	1982	1991
MIN	369	297	306	226	228	243	248	193	203	149	207	245
(WY)	1989	1986	1995	1991	1989	1995	1981	1977	1977	1977	1977	1977

06285100 SHOSHONE RIVER NEAR LOVELL, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1967 - 2000	
ANNUAL TOTAL	391456		248804		--	
ANNUAL MEAN	1072		680		926	
HIGHEST ANNUAL MEAN	--		--		1659	1997
LOWEST ANNUAL MEAN	--		--		359	1988
HIGHEST DAILY MEAN	3590	Jun 22	1760	May 18	15200	Jun 10 1981
LOWEST DAILY MEAN	330	Feb 12	218	Jul 14	27	May 31 1977
ANNUAL SEVEN-DAY MINIMUM	339	Feb 11	279	Jul 11	48	May 30 1977
INSTANTANEOUS PEAK FLOW	--		2630	May 17	16400[a]	Jun 10 1981
INSTANTANEOUS PEAK STAGE	--		6.92	May 17	10.86[b]	Feb 5 1996
ANNUAL RUNOFF (AC-FT)	776500		493500		670700	
10 PERCENT EXCEEDS	2440		922		1550	
50 PERCENT EXCEEDS	856		640		680	
90 PERCENT EXCEEDS	491		488		340	

a Gage height, 9.16 ft, site then in use, at present datum.
b Backwater from ice.
e Estimated.



06285100 SHOSHONE RIVER NEAR LOVELL, WY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967-97, October 1999 to September 2000.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1966 to September 1983.
WATER TEMPERATURES: October 1966 to September 1983.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
NOV							
30...	0740	670	667	95	10.7	8.1	806
JAN							
25...	1635	593	663	103	13.1	8.2	877
JUN							
06...	1500	543	661	--	--	8.6	597
AUG							
08...	0800	825	663	96	8.1	8.1	617

DATE	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV						
30...	.5	4.5	<.020	.982	<.010	<.010
JAN						
25...	1.0	.0	.026	.723	<.010	.012
JUN						
06...	30.0	19.5	.020	2.95	.018	.053
AUG						
08...	21.0	16.5	.020	1.51	<.010	.036

06286400 BIGHORN LAKE NEAR ST. XAVIER, MT

LOCATION.--Lat 45°18'27", long 107°57'26", in $SW^1/_4SE^1/_4$ sec.18, T.6 S., R.30 E., Big Horn County, Hydrologic Unit 10080010, in block 13 of Yellowtail Dam on Bighorn River, 1.3 mi upstream from Grapevine Creek, 15.5 mi southwest of St. Xavier, and at river mile 86.6.

DRAINAGE AREA.--19,626 mi^2.

PERIOD OF RECORD.--November 1965 to current year (monthend contents only). Prior to October 1969, published as "Yellowtail Reservoir." Records of daily elevations and contents on file in Montana district office.

GAGE.--Water-stage recorder in powerhouse control room. Datum of gage is referenced to sea level (levels by Bureau of Reclamation).

REMARKS.--Reservoir is formed by thin concrete-arch dam; construction began in 1961; completed in 1967. Storage began Nov. 3, 1965. Usable capacity, 1,312,000 acre-ft, between elevation 3,296.50 ft, river outlet invert, and 3,657.00 ft, top of flood control. Elevation of spillway crest, 3,593.00 ft. Normal maximum operating level, 1,097,000 acre-ft, elevation, 3,640.00 ft. Minimum operating level, 483,400 acre-ft, elevation, 3,547.00 ft. Dead storage, 16,010 acre-ft, below elevation 3,296.50 ft. Figures given herein represent usable contents. Water is used for power production, flood control, irrigation, and recreation.

COOPERATION.--Elevations and capacity table furnished by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,346,000 acre-ft, July 6, 1967, elevation, 3,656.43 ft; minimum since first filling, 641,900 acre-ft, Apr. 14, 1989, elevation 3,583.30 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,185,000 acre-ft, July 14, elevation, 3,649.26 ft; minimum, 757,200 acre-ft, Apr. 23, elevation, 3,605.06 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

Date	Elevation (feet)	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30	3,638.64	1,037,000	--
Oct. 31	3,635.43	999,800	-37,200
Nov. 30	3,633.67	980,700	-19,100
Dec. 31	3,631.70	960,300	-20,400
CAL YR 1999			-16,200
Jan. 31	3,629.87	942,300	-18,000
Feb. 29	3,629.17	935,600	-6,700
Mar. 31	3,626.59	912,000	-23,600
Apr. 30	3,622.49	877,300	-34,700
May 31	3,630.51	948,500	+71,200
June 30	3,634.20	986,300	+37,800
July 31	3,628.22	926,700	-59,600
Aug. 31	3,620.75	863,400	-63,300
Sept. 30	3,621.25	867,300	+3,900
WTR YR 2000			-169,700

06287000 BIGHORN RIVER NEAR ST. XAVIER, MT

LOCATION.--Lat 45°19'00", long 107°55'05", in NW$^1/_4$NW$^1/_4$NE$^1/_4$ sec.16, T.6 S., R.31 E., Big Horn County, Hydrologic Unit 10080015, on right bank 800 ft downstream from Yellowtail afterbay dam, 1,500 ft downstream from Lime Kiln Creek, 14 mi southwest of St. Xavier, and at river mile 83.9.

DRAINAGE AREA.--19,667 mi^2. Area at site used prior to Apr. 16, 1963, 19,626 mi^2.

PERIOD OF RECORD.--October 1934 to current year.

GAGE.--Water-stage recorder. Datum of gage is 3,158.38 ft above sea level (levels by U.S. Army Corps of Engineers). Prior to Apr. 16, 1963, and June 13, 1964, to Mar. 31, 1965, water-stage recorder at site 1.2 mi upstream at different datum. Apr. 1, 1965, to July 31, 1966, water-stage recorder at site 1,300 ft downstream at present datum.

REMARKS.--Records fair. Figures of discharge given herein are sum of river flow and flow of Bighorn Canal. Some regulation by 14 reservoirs in Wyoming with combined capacity of 1,400,000 acre-ft and complete regulation by Bighorn Lake (see station 06286400) since Nov. 3, 1965. Diversions for irrigation of about 375,000 acres upstream from station. Bureau of Reclamation satellite telemeter at station. Station operated and record provided by the Montana District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3800	3630	2960	2630	2640	2430	2540	2370	2330	2430	2320	2100
2	3840	3650	2770	2620	2620	2430	2540	2350	2340	2440	2480	2080
3	3850	3520	2770	2640	2630	2440	2540	2370	2330	2450	2500	2060
4	3860	3150	2760	2640	2630	2430	2550	2340	2320	2440	2490	2050
5	3910	3160	2780	2650	2650	2430	2550	2330	2340	2450	2490	2040
6	3950	3160	2780	2630	2640	2430	2560	2350	2320	2430	2490	2020
7	3960	3180	2770	2570	2620	2430	2550	2360	2350	2300	2490	2000
8	4020	3170	2790	2570	2620	2440	2560	2350	2330	2310	2460	1990
9	4130	3200	2780	2580	2580	2430	2560	2370	2340	2290	2290	1980
10	4160	3240	2810	2590	2480	2530	2550	2360	2340	2300	2340	1960
11	4190	3240	2820	2610	2480	2770	2580	2370	2340	2290	2500	1950
12	4200	3240	2800	2610	2470	2780	2580	2370	2340	2300	2500	1930
13	4340	3260	2810	2610	2470	2780	2570	2360	2350	2290	2490	1910
14	4290	3270	2820	2620	2460	2770	2560	2380	2350	2300	2420	1900
15	3950	3290	2830	2620	2480	2770	2540	2370	2310	2300	2230	1880
16	3960	3240	2840	2630	2450	2760	2540	2360	2290	2320	2240	1880
17	3990	3120	2830	2640	2460	2750	2540	2370	2300	2310	2240	1860
18	4040	3070	2840	2660	2450	2770	2510	2360	2310	2300	2240	1840
19	4030	2900	2850	2660	2450	2760	2520	2370	2310	2290	2250	1820
20	4030	2900	2850	2650	2470	2770	2490	2380	2300	2300	2230	1850
21	4080	2920	2850	2670	2460	2740	2470	2370	2220	2300	2240	1970
22	4060	2920	2840	2680	2450	2760	2480	2370	2220	2290	2230	1960
23	4090	2960	2850	2690	2440	2760	2460	2350	2240	2300	2240	1950
24	4100	2970	2850	2670	2450	2760	2450	2340	2240	2290	2240	1940
25	4080	2960	2840	2660	2450	2750	2430	2330	2230	2310	2220	1920
26	4100	2980	2860	2660	2450	2740	2420	2340	2270	2290	2190	1910
27	3950	2990	2870	2660	2450	2750	2410	2340	2270	2300	2170	1900
28	3550	3010	2810	2660	2440	2760	2410	2330	2270	2320	2170	1890
29	3580	3020	2600	2660	2440	2700	2400	2340	2270	2300	2150	1920
30	3580	3010	2620	2660	---	2560	2370	2330	2320	2310	2130	2060
31	3620	---	2600	2650	---	2540	---	2340	---	2290	2110	---
TOTAL	123290	94330	86850	81750	72780	81920	75230	73020	69090	72140	71780	58520
MEAN	3977	3144	2802	2637	2510	2643	2508	2355	2303	2327	2315	1951
MAX	4340	3650	2960	2690	2650	2780	2580	2380	2350	2450	2500	2100
MIN	3550	2900	2600	2570	2440	2430	2370	2330	2220	2290	2110	1820
AC-FT	244500	187100	172300	162200	144400	162500	149200	144800	137000	143100	142400	116100

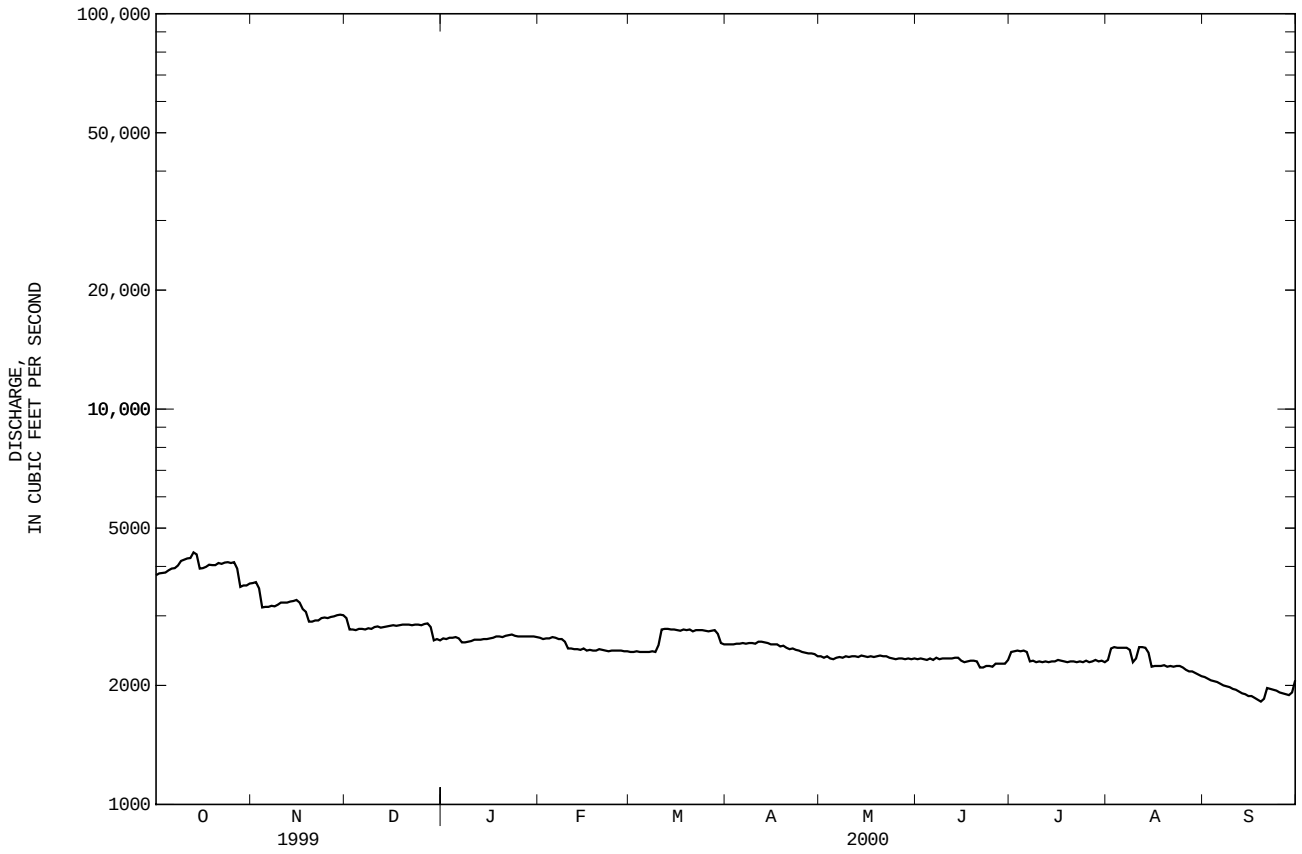
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2000, BY WATER YEAR (WY)

MEAN	2993	2945	2752	2613	2678	2943	2929	3895	7214	5626	2912	2759
MAX	5142	5151	4999	5267	4384	4809	6675	8744	17900	18890	6784	4544
(WY)	1972	1983	1968	1968	1976	1976	1972	1947	1935	1967	1997	1973
MIN	1224	856	1095	1090	888	327	678	900	1078	1144	1260	1074
(WY)	1978	1966	1935	1935	1936	1966	1966	1966	1966	1960	1966	1966

06287000 BIGHORN RIVER NEAR ST. XAVIER, MT--Continued

SUMMARY STATISTICS	WATER YEARS 1935 - 1961*		WATER YEARS 1967 - 2000**	
ANNUAL MEAN	3426		3588	
HIGHEST ANNUAL MEAN	5059	1947	4839	1999
LOWEST ANNUAL MEAN	1706	1961	1868	1989
HIGHEST DAILY MEAN	37400	Jun 16 1935	24800	Jul 6 1967
LOWEST DAILY MEAN	300	Dec 20 1951	112	Apr 2 1967
ANNUAL SEVEN-DAY MINIMUM	656	Dec 25 1934	518	Mar 25 1970
INSTANTANEOUS PEAK FLOW	37400	Jun 16 1935	25300	Jul 5 1967
INSTANTANEOUS LOW FLOW	228	Dec 9 1937	112	Apr 2 1967
ANNUAL RUNOFF (AC-FT)	2482000		2599000	
10 PERCENT EXCEEDS	6440		5620	
50 PERCENT EXCEEDS	2450		3220	
90 PERCENT EXCEEDS	1370		1920	

* Prior to construction of Yellowtail Dam.
** After completion of Yellowtail Dam.



06289000 LITTLE BIGHORN RIVER AT STATE LINE, NEAR WYOLA, MT

LOCATION.--Lat 45°00'25", long 107°36'52", in $SW^1/_4NW^1/_4$ sec.36, T.9 S., R.33 E., Bighorn County, Hydrologic Unit 10080016, on right bank 20 ft downstream from county bridge, 0.5 mi north of Wyoming-Montana State line, 1 mi downstream from West Fork, 13 mi southwest of Wyola, and at river mile 115.2.

DRAINAGE AREA.--193 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1939 to current year. Prior to October 1940, published as Little Horn River at State Line, near Wyola.

REVISED RECORDS.--WSP 1729: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,350 ft above sea level, from topographic map.

REMARKS.--Records good. Diversions for irrigation of 163 acres upstream from station. Station operated and record provided by the Montana District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	84	82	78	63	64	64	122	641	233	129	99
2	102	80	82	77	e70	64	68	149	578	228	128	96
3	96	91	81	68	75	64	64	168	574	222	127	94
4	100	90	75	71	65	64	67	209	559	215	126	93
5	98	88	77	76	74	65	71	247	532	207	130	93
6	98	86	80	73	70	66	69	254	511	200	129	96
7	97	84	82	73	68	65	65	250	485	193	122	96
8	96	87	68	72	68	66	64	207	461	188	120	93
9	94	87	71	73	69	62	65	192	454	184	119	93
10	94	85	82	72	69	64	65	183	478	181	117	92
11	94	87	76	73	66	64	64	177	417	176	117	91
12	93	84	78	74	68	63	68	163	397	170	116	90
13	93	83	80	70	67	63	73	155	406	165	115	88
14	96	81	75	72	67	63	78	153	359	161	113	85
15	99	81	78	72	67	63	73	163	384	160	112	85
16	95	83	79	72	65	61	70	192	362	158	111	84
17	94	85	80	71	65	63	72	472	333	159	111	84
18	101	87	78	70	64	63	78	472	308	162	111	85
19	95	80	75	71	61	63	82	421	312	161	110	93
20	96	85	77	70	65	63	78	418	330	157	106	92
21	96	80	76	70	66	61	85	429	307	152	106	92
22	96	72	78	70	66	64	95	515	287	147	105	90
23	95	69	78	70	65	64	101	618	282	144	103	89
24	96	68	78	69	66	64	95	677	286	142	102	87
25	95	79	77	67	68	63	85	795	280	141	102	89
26	93	86	76	70	64	64	88	814	265	139	101	86
27	93	84	77	70	65	64	87	759	263	137	101	84
28	92	81	77	69	66	66	101	923	253	134	101	82
29	92	81	77	54	65	67	135	915	250	132	100	82
30	89	82	77	54	---	65	114	793	239	131	100	82
31	92	---	77	56	---	64	---	724	---	130	103	---
TOTAL	2965	2480	2404	2167	1937	1979	2384	12729	11593	5209	3493	2685
MEAN	95.6	82.7	77.5	69.9	66.8	63.8	79.5	411	386	168	113	89.5
MAX	105	91	82	78	75	67	135	923	641	233	130	99
MIN	89	68	68	54	61	61	64	122	239	130	100	82
AC-FT	5880	4920	4770	4300	3840	3930	4730	25250	22990	10330	6930	5330

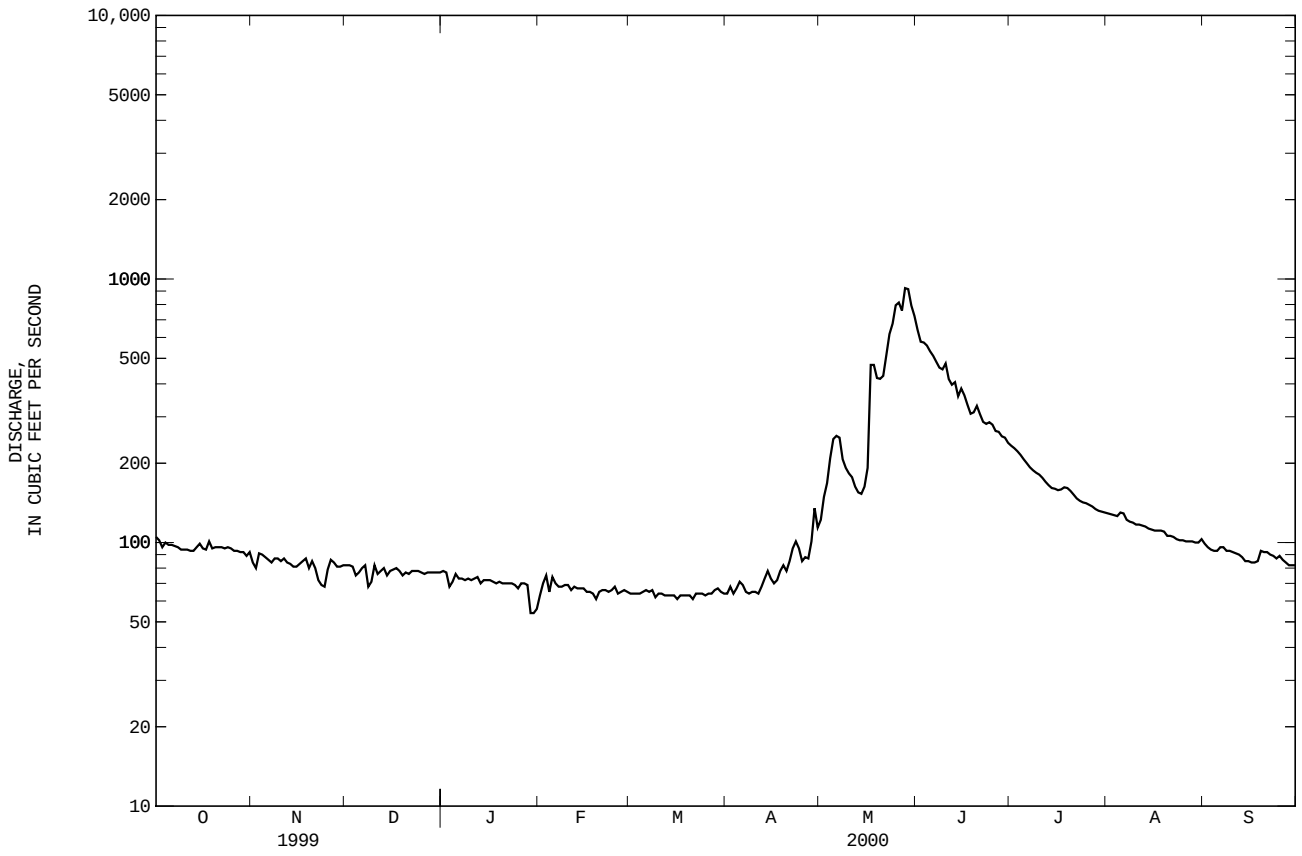
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2000, BY WATER YEAR (WY)

MEAN	87.5	76.3	68.4	63.1	61.8	62.0	85.7	328	529	224	125	99.1
MAX	120	104	91.2	84.9	88.0	86.4	172	533	1125	689	228	151
(WY)	1976	1942	1976	1946	1946	1946	1946	1977	1975	1975	1975	1975
MIN	64.0	55.2	48.3	43.6	47.8	48.6	50.7	127	169	101	69.8	67.9
(WY)	1961	1986	1990	1963	1990	1961	1961	1953	1985	1961	1961	1961

06289000 LITTLE BIGHORN RIVER AT STATE LINE, NEAR WYOLA, MT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1940 - 2000	
ANNUAL TOTAL	64164		52025		--	
ANNUAL MEAN	176		142		151	
HIGHEST ANNUAL MEAN	--		--		253	1975
LOWEST ANNUAL MEAN	--		--		90.3	1961
HIGHEST DAILY MEAN	1160	May 29	923	May 28	2340	Jun 4 1944
LOWEST DAILY MEAN	54	Jan 24	54	Jan 29	18	Feb 2 1989
ANNUAL SEVEN-DAY MINIMUM	64	Mar 8	62	Jan 26	27	Dec 18 1983
INSTANTANEOUS PEAK FLOW	--		1100	May 28	2730[a]	Jun 3 1944
INSTANTANEOUS PEAK STAGE	--		3.68	May 28	5.93[b]	Jun 9 1944
ANNUAL RUNOFF (AC-FT)	127300		103200		109100	
10 PERCENT EXCEEDS	393		293		342	
50 PERCENT EXCEEDS	94		88		84	
90 PERCENT EXCEEDS	66		65		57	

a Gage height, 4.97 ft, from rating curve extended above 1,400 ft^3/s.
b Log jam.
e Estimated.



06289000 LITTLE BIGHORN RIVER AT STATE LINE, NEAR WYOLA, MT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1993 to current year.

REMARKS.--Unpublished records of instantaneous water temperature and specific conductance are available in files of the Montana District office.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV 1999								
17...	0840	83	8.6	376	10.0	4.5	.169	<.01
JAN 2000								
04...	1000	66	8.5	351	3.0	2.0	.223	<.01
MAR								
16...	1040	55	8.7	353	8.0	4.5	.125	<.01
MAY								
24...	1120	633	8.3	254	19.0	8.0	.145	<.01
JUN								
21...	1245	299	8.7	302	19.0	12.5	.083	<.01
AUG								
15...	1000	113	8.3	341	24.0	13.5	.099	<.01

DATE	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 1999								
17...	<.050	<.01	<.02	K2	K36	16	3.6	76
JAN 2000								
04...	<.050	<.01	<.02	--	90	15	2.7	89
MAR								
16...	<.050	<.01	<.02	K1	K1	4	.59	67
MAY								
24...	.085	<.01	<.02	K1	--	62	106	74
JUN								
21...	<.050	<.01	<.02	K1	K20	10	8.1	79
AUG								
15...	<.050	<.01	<.02	K60	K10	5	1.5	85

DATE	TIME	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
MAR 2000												
16...	1040	180	43	18	.6	.0	1.3	176	.4	.2	6.6	8.9
AUG												
15...	1000	170	44	16	.7	.0	1.2	181	.6	.1	5.8	6.8

DATE	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
MAR 2000												
16...	.25	27.4	185	<3	<.1	<1	<1	<21	<1	<2	<3	<31
AUG												
15...	.25	56.1	184	<3	<.1	<1	<1	22.6	<1	<2	<3	<31

K Colony count outside the acceptable range (non-ideal colony count).

06289600 WEST PASS CREEK NEAR PARKMAN, WY

LOCATION.--Lat 44°59'16", long 107°28'56", in NE$^1/_4$ NE$^1/_4$ SE$^1/_4$ sec.21, T.58 N., R.88 W., Sheridan County, Hydrologic Unit 10080016, on right bank, anchored to concrete headwall of culvert on county road and 7.6 mi northwest of Parkman.

DRAINAGE AREA.--15.4 mi^2.

PERIOD OF RECORD.--October 1982 to current year (no winter records water years 1985-87).

GAGE.--Water-stage recorder. Elevation of gage is 4,550 ft above sea level, from topographic map. Prior to Apr. 2, 1985, at site 100 ft north (on abandoned channel) at datum 4.28 ft lower. Apr. 2, 1985 to Mar. 27, 1986, at site 300 ft upstream at datum 0.95 ft higher. Apr. 2, 1985 to Sept. 30, 1998, at same site at datum 1.00 ft lower.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Natural flow of stream affected by diversions for irrigation upstream from station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 7	1800	33	2.23
May 17	1545	*235	*4.13

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.9	8.4	7.7	7.3	e5.0	6.1	6.4	14	26	12	8.1	6.8
2	9.8	8.3	7.7	e7.0	e5.0	6.2	7.4	17	24	11	8.1	6.7
3	9.6	8.4	7.7	e6.8	e5.2	6.3	7.1	19	23	11	8.0	6.7
4	9.5	8.4	7.5	e7.0	e6.0	6.8	7.9	21	22	11	8.2	6.8
5	9.4	8.3	7.4	7.3	e6.4	6.8	7.4	21	21	11	8.5	6.8
6	9.2	8.4	7.3	7.1	6.6	6.8	7.1	20	20	11	8.2	7.1
7	8.9	8.3	7.2	6.9	6.4	6.6	7.0	25	19	11	7.9	7.0
8	8.7	8.2	e7.0	e6.9	6.4	6.9	6.8	20	18	11	7.9	6.8
9	8.6	8.1	e7.2	6.8	6.5	6.2	6.8	19	18	11	7.8	6.9
10	8.9	8.1	e7.1	e6.4	6.4	6.4	6.7	18	18	10	7.7	6.8
11	9.0	8.1	7.1	e5.7	5.4	6.4	6.5	17	17	10	7.6	6.9
12	9.0	7.9	6.8	e5.9	6.1	6.4	6.7	17	16	10	7.4	6.8
13	8.9	7.9	6.9	e5.9	e5.9	6.3	7.0	16	16	9.9	7.3	6.7
14	9.0	7.9	e6.8	e6.5	e5.9	6.4	7.3	16	15	9.7	7.3	6.7
15	9.0	7.9	7.1	e7.0	6.1	6.3	7.2	15	17	9.6	7.3	6.6
16	9.2	8.1	7.2	7.0	5.9	6.1	7.2	17	16	9.3	7.2	6.5
17	9.2	8.1	e7.2	7.0	5.9	6.3	7.2	138	15	9.6	7.1	6.6
18	9.4	8.7	7.2	e6.8	e5.8	6.1	8.4	93	14	9.9	7.3	6.6
19	9.1	8.2	e6.6	6.9	e5.9	6.2	11	69	15	9.2	7.2	7.6
20	9.0	8.2	e6.5	e6.5	e6.1	6.2	8.8	60	15	9.0	7.0	8.2
21	9.0	8.0	e6.9	6.9	6.3	5.9	8.8	52	14	8.8	7.0	8.6
22	8.8	7.8	e7.1	6.6	6.4	6.3	9.3	49	14	8.8	6.9	8.7
23	8.7	7.6	7.0	e6.5	6.4	6.4	10	47	14	8.8	6.7	8.2
24	8.7	7.5	7.0	e6.5	6.4	6.6	13	43	14	8.8	6.6	8.6
25	8.4	7.5	7.0	e6.2	e6.2	6.2	11	40	14	8.7	6.7	8.6
26	8.4	7.6	7.0	6.5	e6.0	6.5	11	39	14	8.6	6.7	7.8
27	8.4	7.7	7.0	6.8	6.3	6.3	11	35	13	8.5	6.7	7.5
28	8.6	7.7	7.0	6.5	6.6	6.6	11	34	13	8.4	6.6	7.2
29	8.4	7.7	6.9	e5.4	6.4	7.3	13	32	12	8.3	6.7	7.2
30	8.4	7.7	7.2	e5.3	---	6.5	13	29	12	8.3	6.8	7.2
31	8.4	---	7.2	e5.2	---	6.5	---	28	---	8.1	7.0	---
TOTAL	277.5	240.7	220.5	203.1	175.9	198.9	259.0	1080	499	300.3	227.5	217.2
MEAN	8.95	8.02	7.11	6.55	6.07	6.42	8.63	34.8	16.6	9.69	7.34	7.24
MAX	9.9	8.7	7.7	7.3	6.6	7.3	13	138	26	12	8.5	8.7
MIN	8.4	7.5	6.5	5.2	5.0	5.9	6.4	14	12	8.1	6.6	6.5
AC-FT	550	477	437	403	349	395	514	2140	990	596	451	431

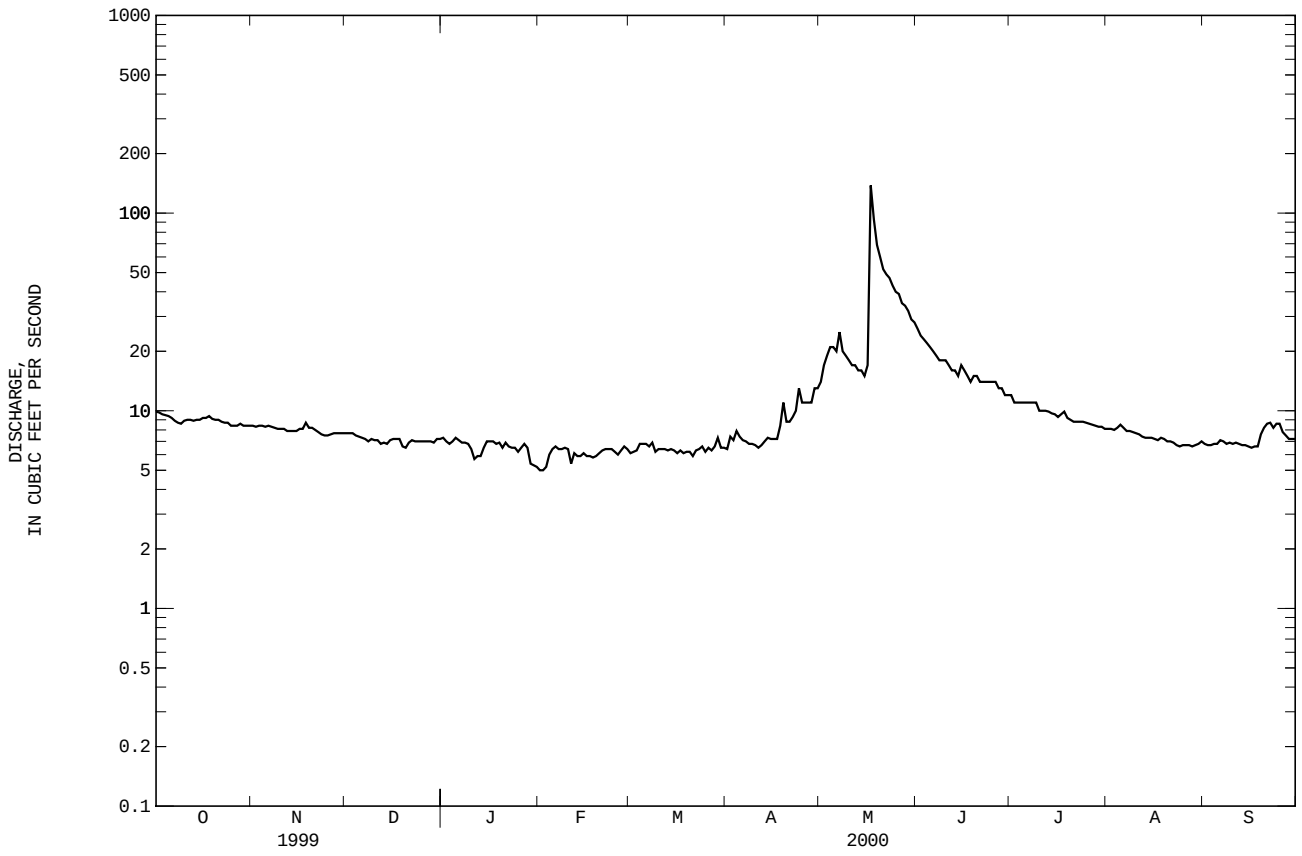
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2000, BY WATER YEAR (WY)*

MEAN	7.94	7.63	6.69	6.51	6.30	7.56	13.7	34.6	25.9	13.5	9.17	8.05
MAX	9.95	9.30	9.02	8.10	7.98	10.5	25.2	79.9	60.6	26.9	14.9	11.6
(WY)	1996	1996	1996	1996	1996	1997	1994	1995	1995	1995	1995	1995
MIN	5.76	6.34	4.92	4.25	4.02	5.64	8.63	13.0	7.82	5.21	5.07	5.09
(WY)	1990	1990	1991	1988	1989	1991	2000	1985	1985	1985	1985	1989

06289600 WEST PASS CREEK NEAR PARKMAN, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1983 - 2000	
ANNUAL TOTAL	5362.8		3899.6		--	
ANNUAL MEAN	14.7		10.7		13.0	
HIGHEST ANNUAL MEAN	--		--		21.2	1995
LOWEST ANNUAL MEAN	--		--		7.76	1989
HIGHEST DAILY MEAN	57	May 26	138	May 17	291	May 9 1995
LOWEST DAILY MEAN	6.2	Jan 27	5.0	Feb 1,2	.00[a]	Dec 25 1998
ANNUAL SEVEN-DAY MINIMUM	6.8	Mar 3	5.3	Jan 29	--	
INSTANTANEOUS PEAK FLOW	--		235	May 17	340	May 9 1995
INSTANTANEOUS PEAK STAGE	--		4.13	May 17	4.76[b]	Apr 28 1984
ANNUAL RUNOFF (AC-FT)	10640		7730		9420	
10 PERCENT EXCEEDS	36		17		--	
50 PERCENT EXCEEDS	9.2		7.6		--	
90 PERCENT EXCEEDS	7.0		6.3		--	

* During period of operation.
a Result of channel blockage or diversion upstream.
b Backwater from ice, site and datum then in use.
e Estimated.



06289820 EAST PASS CREEK NEAR DAYTON, WY

LOCATION.--Lat 44°59'26", long 107°25'20", in NE$^1/_4$ SE$^1/_4$ NE$^1/_4$ sec.24, T.58 N., R.88 W., Sheridan County, Hydrologic Unit 10080016, on right bank 0.4 mi downstream from bridge on Sheridan County Road 144, 5.0 mi northwest of Parkman, and 11.2 mi northwest of Dayton.

DRAINAGE AREA.--21.7 mi^2.

PERIOD OF RECORD.--October 1982 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,405 ft above sea level, from topographic map. October 1982 to August 1995, at site 270 ft upstream at different datum. August 1995 to April 1996, at site 0.3 mi downstream at different datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Several small reservoirs upstream from station, combined capacity, 415 acre-ft, for irrigation. Diversions for irrigation of about 2,900 acres upstream from station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 25 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 7	1645	31	5.96
May 17	2145	*308	*7.09

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	7.1	8.9	8.4	e8.0	8.6	8.5	18	40	16	3.7	5.9
2	8.0	6.9	9.2	8.1	e8.2	8.4	9.6	19	36	16	3.6	5.9
3	7.7	7.1	9.3	e7.2	e7.8	8.5	9.0	22	34	16	3.6	5.8
4	6.6	7.1	e8.8	e7.6	e6.4	8.8	9.5	23	34	16	4.0	5.7
5	6.8	7.7	e8.6	8.3	e8.0	9.4	9.9	25	33	15	4.8	5.9
6	6.9	e8.0	9.0	7.9	7.8	9.7	9.8	26	30	15	4.8	6.5
7	7.1	e8.2	e9.0	7.7	7.7	9.8	9.5	27	28	14	5.3	6.5
8	7.1	e8.2	e8.8	7.6	8.0	10	9.0	24	27	14	8.4	5.9
9	7.4	e8.2	e8.8	7.6	8.7	9.3	8.9	22	26	14	8.3	5.9
10	7.4	e8.4	9.4	6.7	8.8	9.1	8.9	20	26	13	7.3	5.9
11	7.1	e8.6	9.4	7.4	e7.6	8.8	8.7	20	23	12	6.0	5.7
12	7.1	e8.6	9.4	8.0	e8.2	8.7	8.7	19	22	8.2	5.9	5.5
13	7.1	e8.8	e9.0	7.5	e8.0	8.4	9.3	17	21	5.9	5.9	5.1
14	7.1	e8.8	e8.8	8.3	e8.0	8.6	9.8	16	20	6.0	5.8	5.0
15	7.1	e8.8	9.1	7.6	e8.0	8.4	9.4	16	22	6.3	5.8	5.6
16	7.1	e8.8	9.3	7.4	e7.8	7.9	9.3	17	21	6.4	5.7	5.5
17	6.9	e9.0	9.7	7.6	e7.8	8.0	9.0	122	20	6.7	5.8	5.4
18	7.1	e9.2	e9.0	e7.4	e7.6	8.0	9.5	180	19	7.1	6.0	5.5
19	7.2	e9.0	e7.6	7.5	e7.6	7.8	12	132	20	6.9	6.1	6.7
20	7.4	9.0	e8.2	e7.6	e8.0	8.0	12	107	21	6.5	5.9	6.9
21	7.1	9.0	e8.8	7.7	8.2	7.6	11	83	19	6.3	5.9	7.2
22	6.6	9.0	e9.0	7.7	8.4	7.7	12	74	19	6.7	5.7	7.6
23	6.7	8.8	9.0	e7.4	8.4	7.9	15	72	18	7.3	5.6	7.1
24	6.9	8.9	9.0	e7.0	8.4	8.5	17	68	19	6.8	5.5	7.2
25	6.9	8.9	9.0	e7.4	8.8	8.1	16	61	19	6.4	5.5	7.3
26	6.9	8.8	8.6	7.9	e8.2	8.3	15	59	18	6.3	5.5	7.3
27	7.1	9.0	8.7	8.0	e8.4	8.3	14	54	18	5.8	5.6	7.1
28	7.1	8.7	8.7	7.7	8.5	8.6	15	51	17	4.6	5.6	7.0
29	7.1	8.5	8.7	e6.2	8.7	9.3	20	48	17	4.0	5.6	6.8
30	7.7	8.7	8.6	e6.5	---	9.0	20	43	16	3.9	5.7	6.8
31	7.2	---	8.4	e7.8	---	8.7	---	41	---	3.6	6.2	---
TOTAL	221.2	253.8	275.8	234.7	234.0	266.2	345.3	1526	703	282.7	175.1	188.2
MEAN	7.14	8.46	8.90	7.57	8.07	8.59	11.5	49.2	23.4	9.12	5.65	6.27
MAX	8.0	9.2	9.7	8.4	8.8	10	20	180	40	16	8.4	7.6
MIN	6.6	6.9	7.6	6.2	6.4	7.6	8.5	16	16	3.6	3.6	5.0
AC-FT	439	503	547	466	464	528	685	3030	1390	561	347	373

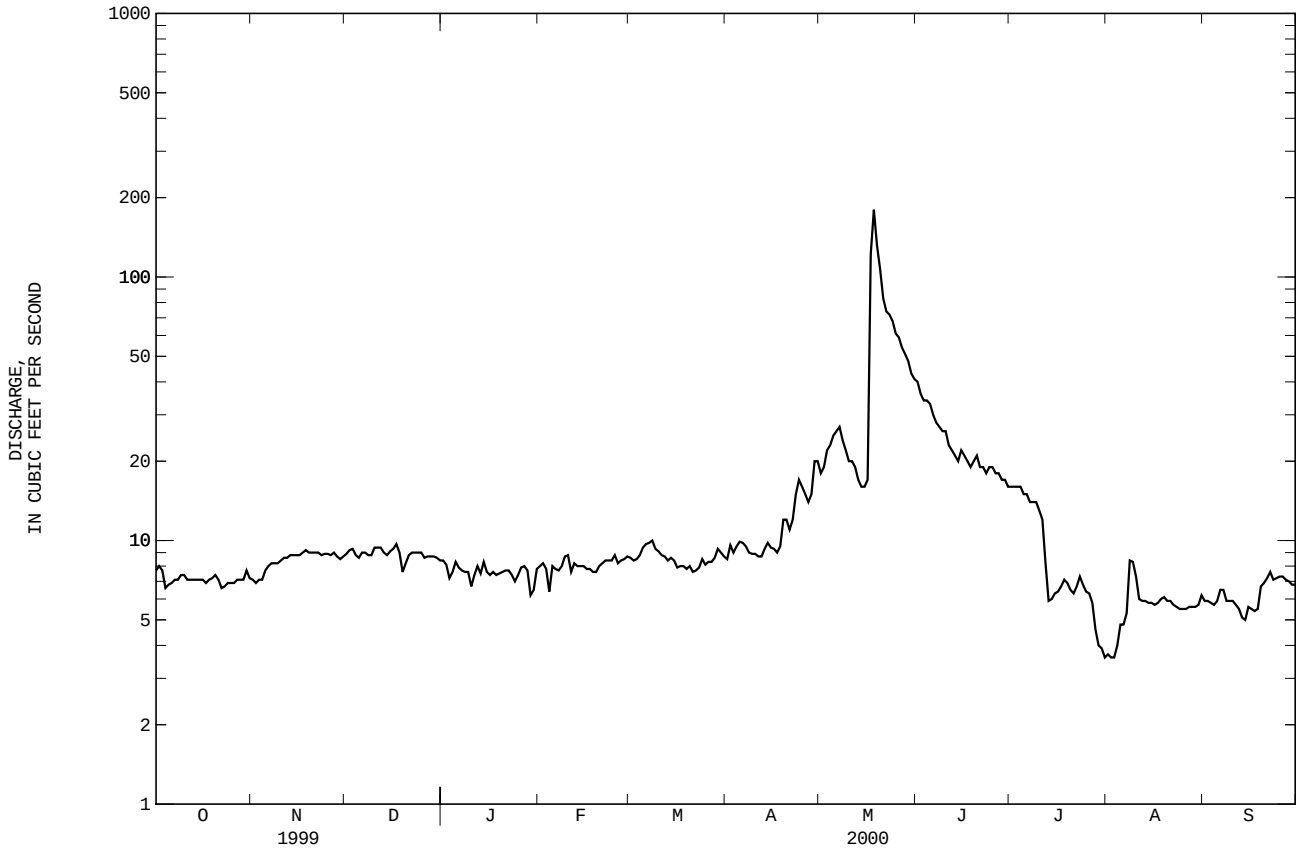
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2000, BY WATER YEAR (WY)

MEAN	9.00	9.08	8.54	8.66	8.63	9.88	17.1	45.7	37.8	13.6	7.60	7.51
MAX	13.9	11.4	10.5	10.5	10.6	14.2	32.4	90.8	82.8	32.9	14.8	14.8
(WY)	1996	1996	1996	1996	1996	1997	1994	1995	1995	1992	1993	1995
MIN	5.73	6.90	6.69	6.96	6.78	7.29	9.30	15.2	6.65	5.06	2.73	4.02
(WY)	1991	1986	1988	1988	1989	1990	1992	1985	1985	1985	1988	1989

06289820 EAST PASS CREEK NEAR DAYTON, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1983 - 2000	
ANNUAL TOTAL	7193.8		4706.0		--	
ANNUAL MEAN	19.7		12.9		15.3	
HIGHEST ANNUAL MEAN	--		--		23.6	1984
LOWEST ANNUAL MEAN	--		--		8.57	1989
HIGHEST DAILY MEAN	112	May 26,29	180	May 18	304	May 9 1995
LOWEST DAILY MEAN	1.6	Sep 1	3.6	Jul 31,Aug 2,3	1.6	Sep 1 1999
ANNUAL SEVEN-DAY MINIMUM	2.5	Sep 1	3.8	Jul 29	2.1	Aug 20 1988
INSTANTANEOUS PEAK FLOW	--		308	May 17	511[a]	May 9 1995
INSTANTANEOUS PEAK STAGE	--		7.09	May 17	9.00[b]	Feb 6 1996
INSTANTANEOUS LOW FLOW	--		--		1.7	Aug 6 1988
ANNUAL RUNOFF (AC-FT)	14270		9330		11070	
10 PERCENT EXCEEDS	58		21		31	
50 PERCENT EXCEEDS	9.7		8.4		9.4	
90 PERCENT EXCEEDS	6.7		5.9		6.2	

a Gage height, 4.47 ft, site and datum then in use from rating curve extended above 221 ft^3/s.
b Ice jam, site and datum then in use.
e Estimated.



06298000 TONGUE RIVER NEAR DAYTON, WY

LOCATION.--Lat 44°50'58", long 107°18'14", in NE$^1/_4$ NE$^1/_4$ NE$^1/_4$ sec.11, T.56 N., R.87 W., Sheridan County, Hydrologic Unit 10090101, on left bank 0.5 mi upstream from Crystal Draw, 0.6 mi downstream from intake of Highline Ditch, and 2.5 mi southwest of Dayton.

DRAINAGE AREA.--204 mi^2.

PERIOD OF RECORD.--October 1918 to September 1929, October 1940 to current year. Monthly discharge only for some periods, published in WSP 1309.

REVISED RECORDS.--WSP 1309: 1921.

GAGE.--Water-stage recorder. Elevation of gage is 4,060 ft above sea level, from topographic map.

REMARKS.--Records fair. Small diversion upstream from station for Dayton municipal supply. Figures of daily discharge do not include water diverted 0.6 mi upstream from station by Highline ditch for irrigation downstream from station. National Weather Service data collection platform with satellite telemetry at station. Water-quality data are published in the special studies section of this report.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 980 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height
May 17	1600	*1,370	*4.47

No other peak greater than base discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94	66	68	56	e52	49	48	242	838	245	96	65
2	93	43	65	55	e56	49	52	322	695	237	95	59
3	80	71	65	45	53	48	45	388	693	225	88	55
4	92	84	53	54	46	51	51	506	676	212	86	55
5	90	79	52	56	e54	53	67	661	635	206	91	54
6	87	76	59	56	55	54	60	630	606	194	90	55
7	85	71	58	54	54	53	53	537	560	185	84	62
8	83	74	42	54	54	52	51	425	537	180	82	56
9	80	74	43	53	54	42	57	413	529	175	78	54
10	80	67	57	50	53	49	56	399	594	172	77	53
11	79	75	53	54	e48	50	55	371	469	167	76	54
12	78	75	58	55	e52	52	62	323	435	160	73	54
13	78	70	61	54	e50	43	73	306	456	154	71	50
14	77	67	54	54	51	50	80	319	411	149	69	50
15	79	58	59	54	50	49	72	350	475	144	68	49
16	73	62	62	54	48	42	69	414	466	141	67	48
17	62	71	63	54	47	53	75	937	413	143	67	47
18	93	74	62	54	e46	51	88	858	366	154	66	48
19	77	53	55	53	e44	46	102	875	359	162	66	57
20	77	73	57	e52	45	45	95	842	390	167	65	68
21	82	53	54	54	53	43	112	791	357	164	65	73
22	79	35	56	54	53	49	134	885	320	139	63	72
23	78	e28	60	53	52	51	146	957	311	129	61	71
24	78	22	62	52	52	55	142	979	335	123	60	69
25	80	45	61	e50	51	44	119	1010	311	119	61	80
26	79	e60	59	52	41	56	125	994	305	112	61	86
27	79	68	59	53	47	50	125	893	301	107	60	78
28	76	63	59	53	54	54	172	926	297	104	57	70
29	78	63	59	40	53	53	257	984	291	102	57	68
30	67	72	57	41	---	50	209	954	266	100	57	67
31	82	---	55	46	---	47	---	897	---	97	66	---
TOTAL	2495	1892	1787	1619	1468	1533	2852	20388	13697	4868	2223	1827
MEAN	80.5	63.1	57.6	52.2	50.6	49.5	95.1	658	457	157	71.7	60.9
MAX	94	84	68	56	56	56	257	1010	838	245	96	86
MIN	62	22	42	40	41	42	45	242	266	97	57	47
AC-FT	4950	3750	3540	3210	2910	3040	5660	40440	27170	9660	4410	3620
+	138	0	0	0	0	0	226	526	970	910	1510	1030
ADJUSTED FOR DIVERSION BY HIGHLINE DITCH												
MEAN	82.7	63.1	57.6	52.2	50.6	49.5	98.9	666	473	172	96.3	78.2
AC-FT	5090	3750	3540	3210	2910	3040	5890	40970	28140	10570	5920	4650
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 2000, BY WATER YEAR (WY)*												
MEAN	82.5	68.3	61.3	56.0	52.6	51.9	109	526	707	245	112	85.1
MAX	284	155	108	88.9	80.8	72.0	354	1048	1482	767	244	163
(WY)	1924	1924	1924	1924	1924	1924	1926	1926	1978	1975	1927	1968
MIN	49.6	41.1	39.6	36.1	34.1	38.1	44.2	266	214	81.1	52.8	42.8
(WY)	1955	1941	1941	1941	1941	1941	1975	1953	1919	1919	1966	1966

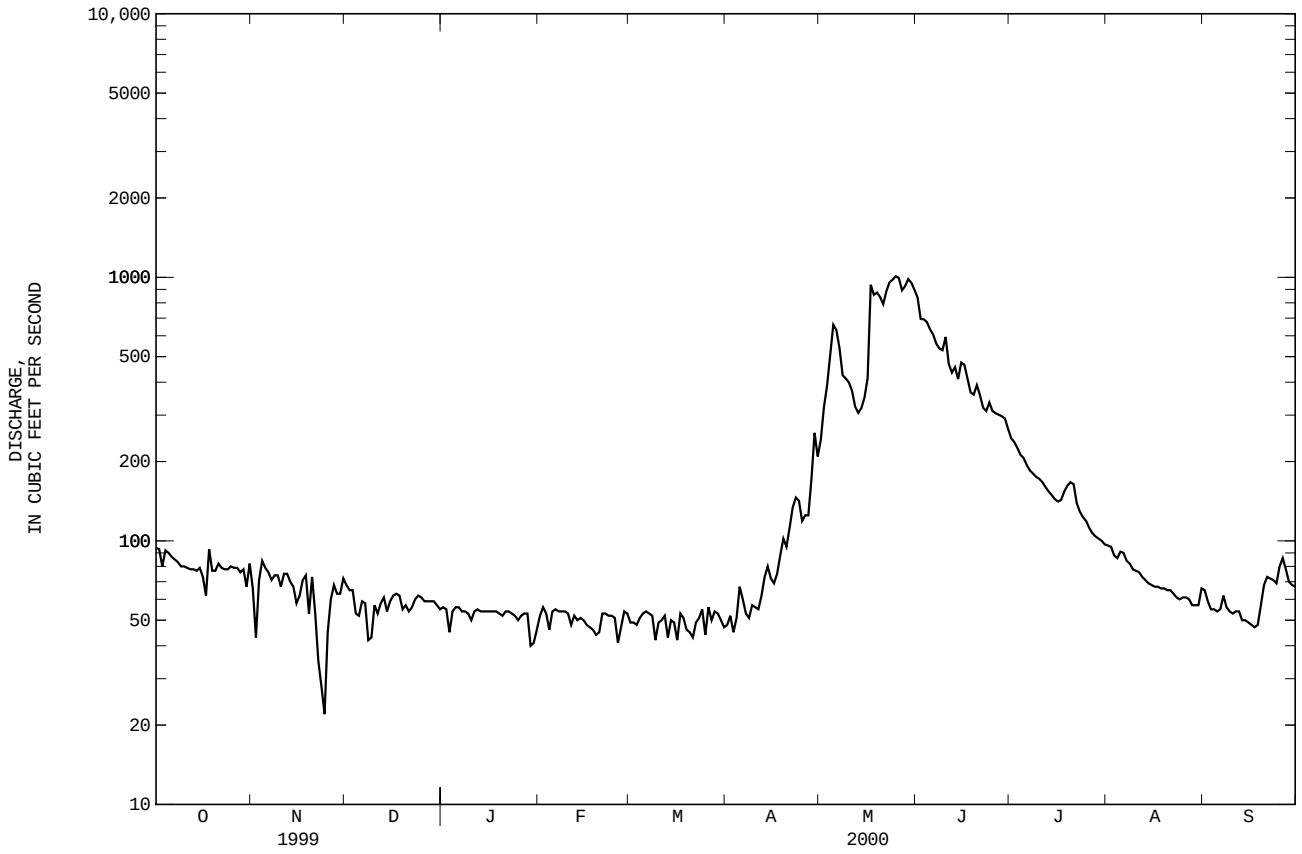
06298000 TONGUE RIVER NEAR DAYTON, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1919 - 2000	
ANNUAL TOTAL	69345		56649		--	
ANNUAL MEAN	190		155		181	
HIGHEST ANNUAL MEAN	--		--		316	1924
LOWEST ANNUAL MEAN	--		--		98.4	1989
HIGHEST DAILY MEAN	1320	May 29	1010	May 25	2590	Jun 5 1968
LOWEST DAILY MEAN	22	Nov 24	22	Nov 24	18	Nov 29 1919
ANNUAL SEVEN-DAY MINIMUM	44	Nov 19	44	Nov 19	31	Nov 9 1940
INSTANTANEOUS PEAK FLOW	--		1370	May 17	3400	Jun 3 1944
INSTANTANEOUS PEAK STAGE	--		4.47	May 17	6.45	Jun 3 1944
ANNUAL RUNOFF (AC-FT)	137500		112400		131100	
10 PERCENT EXCEEDS	519		413		485	
50 PERCENT EXCEEDS	79		67		74	
90 PERCENT EXCEEDS	56		49		48	

\+ Diversion, in acre-feet, upstream from station by Highline Ditch.
* Unadjusted for diversion by Highline Ditch.
e Estimated.

ADJUSTED FOR DIVERSION BY HIGHLINE DITCH

	Annual Total	Annual Mean	Annual Runoff (ac-ft)
1999 Calendar Year	71804	197	142400
2000 Water Year	59327	162	117700



06299500 WOLF CREEK AT WOLF, WY

LOCATION.--Lat 44°46'21", long 107°14'01", in NE$^1/_4$ SW$^1/_4$ NW$^1/_4$ sec.4, T.55 N., R.86 W., Sheridan County, Hydrologic Unit 10090101, on left bank at Wolf and 0.5 mi downstream from Red Canyon Creek.

DRAINAGE AREA.--37.8 mi^2.

PERIOD OF RECORD.--January 1945 to current year (no winter records since 1971). Monthly discharge for January to March 1945, published in WSP 1309.

GAGE.--Water-stage recorder. Elevation of gage is 4,525 ft above sea level, from topographic map. Prior to May 26, 1945, nonrecording gage at same site and datum.

REMARKS.--Records good. No diversion upstream from station. Result of discharge measurement, in cubic feet per second, made during the period when station was not in operation is given below:

Oct. 6 . . . 8.96

COOPERATION.--Station operated and record provided by the Wyoming State Engineer's Office; record reviewed by the Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage, about 5.0 ft, May 18, 1944.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	5.4	41	164	37	13	8.3
2	---	---	---	---	---	---	5.8	50	147	36	13	7.8
3	---	---	---	---	---	---	5.2	56	143	35	12	7.8
4	---	---	---	---	---	---	6.0	68	135	34	12	7.8
5	---	---	---	---	---	---	7.0	85	129	32	13	7.5
6	---	---	---	---	---	---	6.7	91	123	31	14	7.8
7	---	---	---	---	---	---	6.0	90	112	29	12	8.3
8	---	---	---	---	---	---	6.0	82	103	28	12	8.1
9	---	---	---	---	---	---	6.5	82	96	27	12	7.5
10	---	---	---	---	---	---	6.5	79	101	27	11	7.2
11	---	---	---	---	---	---	6.5	73	80	25	11	7.5
12	---	---	---	---	---	---	7.2	66	69	25	11	7.5
13	---	---	---	---	---	---	9.9	62	73	23	10	6.7
14	---	---	---	---	---	---	11	62	65	21	9.9	6.7
15	---	---	---	---	---	---	9.9	66	76	21	9.9	6.7
16	---	---	---	---	---	---	8.6	72	69	21	9.6	6.5
17	---	---	---	---	---	---	9.7	294	64	21	9.2	6.5
18	---	---	---	---	---	---	12	309	56	22	9.2	6.5
19	---	---	---	---	---	---	16	284	56	23	9.6	7.5
20	---	---	---	---	---	---	15	270	64	22	8.9	8.9
21	---	---	---	---	---	---	17	253	55	23	9.2	8.3
22	---	---	---	---	---	---	21	258	50	20	8.9	8.9
23	---	---	---	---	---	---	25	258	47	18	8.5	8.3
24	---	---	---	---	---	---	25	244	51	17	8.3	8.1
25	---	---	---	---	---	---	22	247	46	16	8.3	8.6
26	---	---	---	---	---	---	23	236	44	16	8.1	8.9
27	---	---	---	---	---	---	25	215	45	15	7.8	8.6
28	---	---	---	---	---	---	29	213	44	15	7.5	8.3
29	---	---	---	---	---	---	40	210	45	14	7.5	8.1
30	---	---	---	---	---	---	36	186	41	13	7.5	8.1
31	---	---	---	---	---	---	---	179	---	13	8.6	---
TOTAL	---	---	---	---	---	---	429.9	4781	2393	720	312.5	233.3
MEAN	---	---	---	---	---	---	14.3	154	79.8	23.2	10.1	7.78
MAX	---	---	---	---	---	---	40	309	164	37	14	8.9
MIN	---	---	---	---	---	---	5.2	41	41	13	7.5	6.5
AC-FT	---	---	---	---	---	---	853	9480	4750	1430	620	463

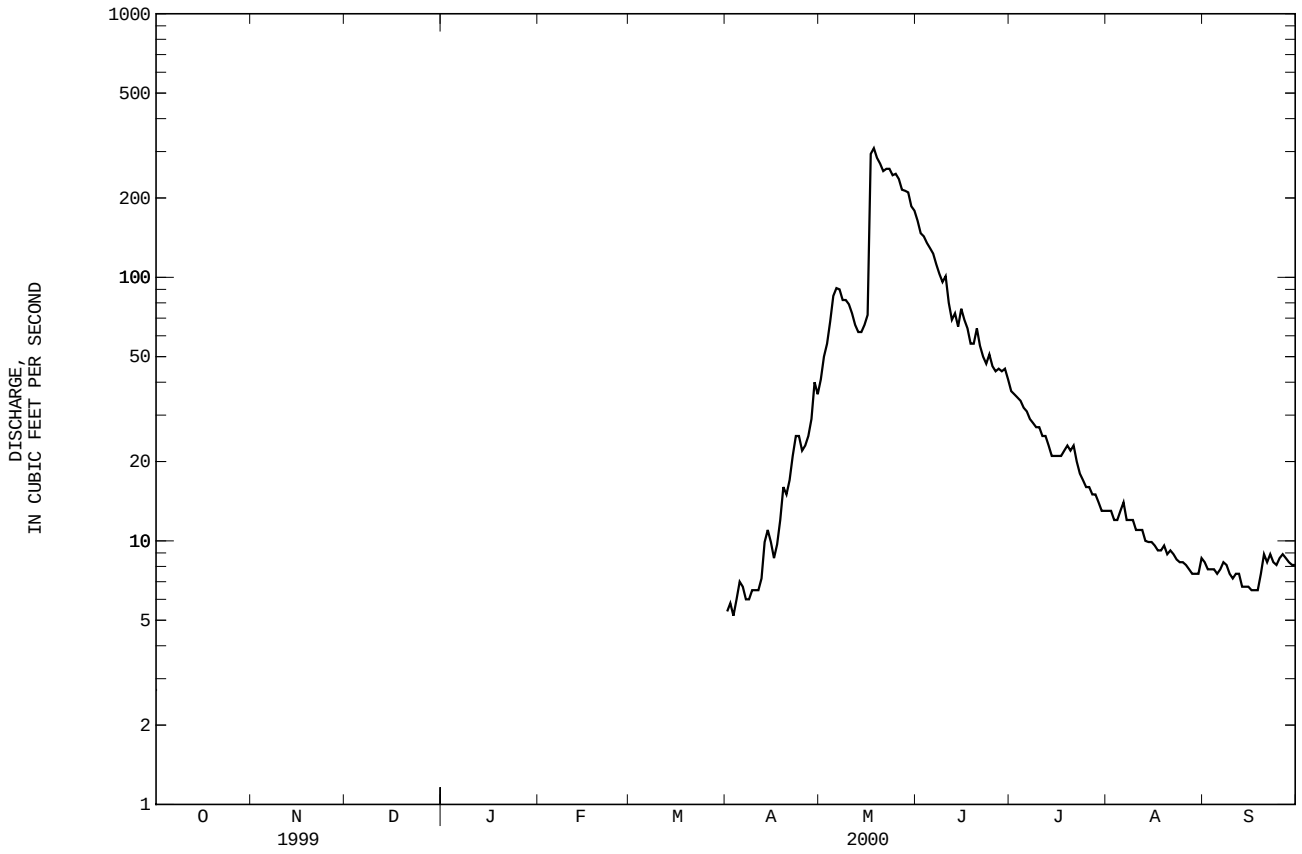
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2000, BY WATER YEAR (WY)*

MEAN	8.77	6.98	5.69	4.73	4.48	4.96	14.3	96.7	133	37.4	15.0	10.1
MAX	14.2	9.97	7.46	6.07	5.64	9.27	37.4	179	287	95.2	30.8	23.0
(WY)	1969	1952	1969	1962	1962	1972	1994	1978	1975	1975	1951	1968
MIN	6.46	5.73	3.83	2.80	3.15	3.65	6.39	33.6	34.3	16.0	6.23	6.32
(WY)	1957	1961	1950	1950	1957	1957	1958	1982	1985	1985	1961	1985

06299500 WOLF CREEK AT WOLF, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1946 - 2000*	
ANNUAL MEAN	--		29.3	
HIGHEST ANNUAL MEAN	--		45.0	1964
LOWEST ANNUAL MEAN	--		13.8	1960
HIGHEST DAILY MEAN	309	May 18	601	Jun 9 1964
LOWEST DAILY MEAN	5.2	Apr 3	1.8	Feb 26 1947
INSTANTANEOUS PEAK FLOW	614	May 17	1130[a]	Jun 15 1963
INSTANTANEOUS PEAK STAGE	3.70	May 17	4.60	Jun 15 1963
ANNUAL RUNOFF (AC-FT)	--		21220	

* During period of operation.
a From rating curve extended above 500 ft^3/s.



06300500 EAST FORK BIG GOOSE CREEK NEAR BIG HORN, WY

LOCATION.--Lat 44°32'18", long 107°13'33", in $SE^1/_4$ $SE^1/_4$ $NW^1/_4$ sec.28, T.53 N., R.86 W., Johnson County, Hydrologic Unit 10090101, Bighorn National Forest, on right bank 0.7 mi upstream from Park Reservoir and 16 mi southwest of Big Horn.

DRAINAGE AREA.--20.1 mi^2.

PERIOD OF RECORD.--October 1953 to current year (no winter records since 1973). Prior to October 1960, published as East Goose Creek near Big Horn.

GAGE.--Water-stage recorder. Elevation of gage is 8,320 ft above sea level, from topographic map. Prior to June 28, 1960, water-stage recorder at site 1.1 mi downstream at different datum. June 28, 1960, to July 14, 1970, water-stage recorder at site 0.9 mi downstream at different datums and July 15 to Oct. 7, 1970, nonrecording gage at present site and datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No diversion upstream from station. Result of discharge measurement, in cubic feet per second, made when station was not in operation, is given below:

Oct. 5 . . . 7.61

COOPERATION.--Station operated and record provided by the Wyoming State Engineer's Office; record reviewed by U.S. Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	e35	220	e52	12	6.0
2	---	---	---	---	---	---	---	e40	149	e49	12	5.8
3	---	---	---	---	---	---	---	e45	180	e47	12	5.6
4	---	---	---	---	---	---	---	e51	192	e45	11	4.6
5	---	---	---	---	---	---	---	e50	191	e41	12	4.7
6	---	---	---	---	---	---	---	e52	196	e38	13	4.7
7	---	---	---	---	---	---	---	e50	186	e34	11	5.2
8	---	---	---	---	---	---	---	e48	183	e32	10	5.4
9	---	---	---	---	---	---	---	48	181	e32	9.7	4.7
10	---	---	---	---	---	---	---	45	158	e32	9.5	4.7
11	---	---	---	---	---	---	---	34	109	e32	9.0	4.7
12	---	---	---	---	---	---	---	31	e98	e31	8.7	4.7
13	---	---	---	---	---	---	---	32	e108	29	8.3	4.7
14	---	---	---	---	---	---	---	28	e92	27	8.1	4.2
15	---	---	---	---	---	---	---	27	e90	25	7.2	3.6
16	---	---	---	---	---	---	---	38	e90	24	7.0	3.6
17	---	---	---	---	---	---	---	84	e74	25	6.8	3.6
18	---	---	---	---	---	---	---	72	e58	30	6.6	3.6
19	---	---	---	---	---	---	---	67	e58	27	6.4	3.6
20	---	---	---	---	---	---	---	69	e66	23	6.0	5.0
21	---	---	---	---	---	---	---	77	e64	23	5.8	5.4
22	---	---	---	---	---	---	---	137	e58	21	5.6	7.0
23	---	---	---	---	---	---	---	207	e62	19	5.4	6.4
24	---	---	---	---	---	---	---	236	e76	17	5.2	6.6
25	---	---	---	---	---	---	---	189	e82	17	5.0	6.8
26	---	---	---	---	---	---	---	214	e72	16	5.0	6.8
27	---	---	---	---	---	---	---	175	e64	15	4.9	6.6
28	---	---	---	---	---	---	---	212	e60	14	4.9	6.4
29	---	---	---	---	---	---	---	278	e58	14	4.7	6.2
30	---	---	---	---	---	---	---	262	e56	13	4.6	6.2
31	---	---	---	---	---	---	---	238	---	13	5.4	---
TOTAL	---	---	---	---	---	---	---	3171	3331	857	242.8	157.1
MEAN	---	---	---	---	---	---	---	102	111	27.6	7.83	5.24
MAX	---	---	---	---	---	---	---	278	220	52	13	7.0
MIN	---	---	---	---	---	---	---	27	56	13	4.6	3.6
AC-FT	---	---	---	---	---	---	---	6290	6610	1700	482	312

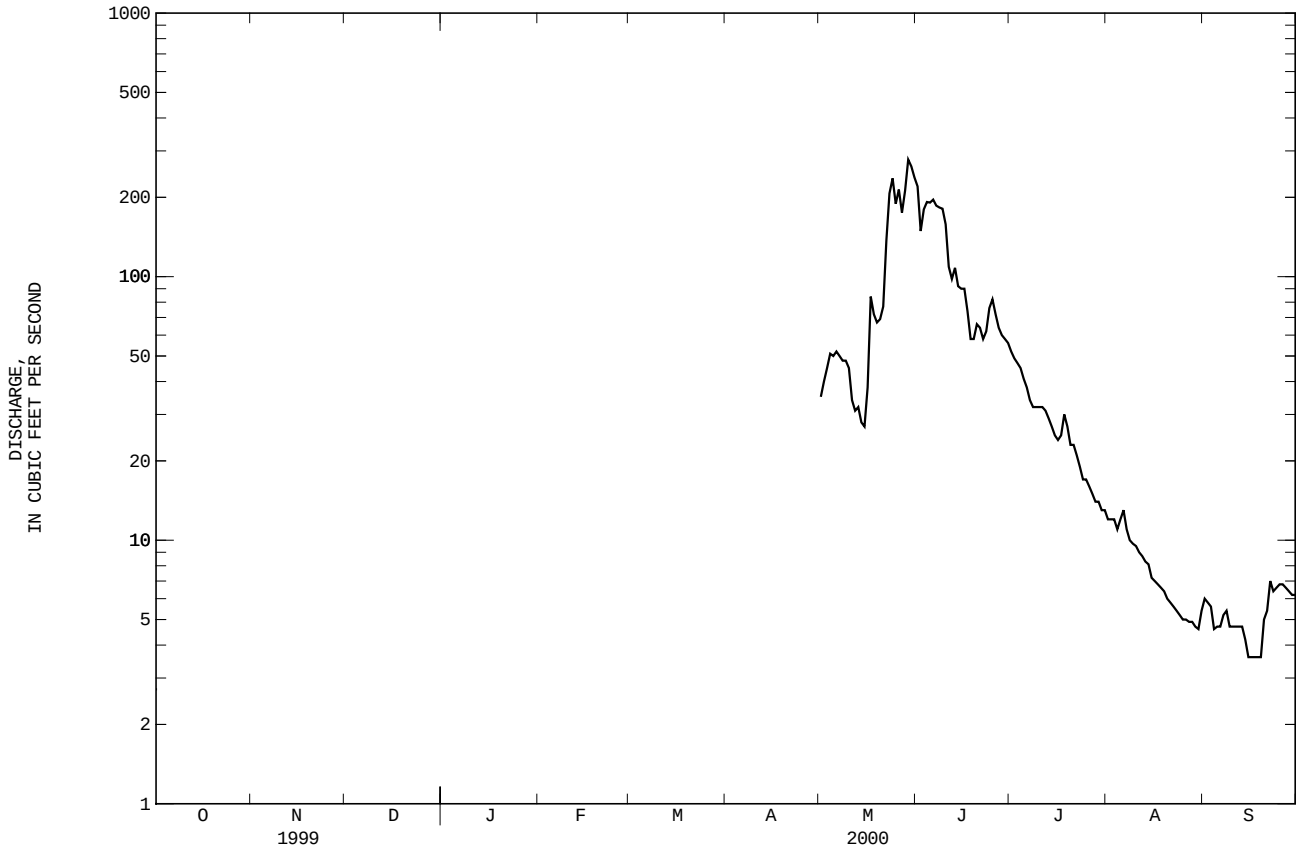
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2000, BY WATER YEAR (WY)*

MEAN	8.61	5.47	3.65	3.04	2.60	2.52	4.78	84.1	175	58.8	17.5	11.6
MAX	16.9	8.43	5.32	4.16	3.30	3.52	18.6	152	372	177	46.5	37.0
(WY)	1968	1969	1958	1962	1959	1962	1962	1958	1995	1975	1968	1968
MIN	4.48	2.85	2.23	1.87	1.63	1.15	1.76	28.0	55.1	12.7	3.67	5.22
(WY)	1971	1963	1963	1971	1971	1971	1971	1983	1994	1988	1988	1954

06300500 EAST FORK BIG GOOSE CREEK NEAR BIG HORN, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1954 - 2000*	
ANNUAL MEAN	--		32.6	
HIGHEST ANNUAL MEAN	--		41.8	1963
LOWEST ANNUAL MEAN	--		21.4	1966
HIGHEST DAILY MEAN	278	May 29	775	Jun 15 1963
LOWEST DAILY MEAN	3.6	Sep 15-19	1.0[a]	Dec 11 1963
INSTANTANEOUS PEAK FLOW	346	May 30	1230[b]	Jun 15 1963
INSTANTANEOUS PEAK STAGE	5.00	May 30	4.59[b]	Jun 15 1963
ANNUAL RUNOFF (AC-FT)	--		23600	

* During period of record.
a From rating curve extended above 250 ft^3/s on basis of slope-area measurement.
b Site and datum then in use.
e Estimated.



06301480 CONEY CREEK ABOVE TWIN LAKES, NEAR BIG HORN, WY

LOCATION.--Lat 44°36'05", long 107°19'01", unsurveyed, Sheridan County, Hydrologic Unit 10090101, Bighorn National Forest, 0.2 mi upstream from Twin Lakes, and 17.0 mi southwest of Big Horn.

DRAINAGE AREA.--3.41 mi^2.

PERIOD OF RECORD.--October 1990 to current year (no winter records 1993 to 1996, 1998, 1999, and 2000).

GAGE.--Water-stage recorder. Elevation of gage is 8,690 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. No diversion upstream from station. Result of discharge measurement, in cubic feet per second, made when station was not in operation, is given below:

Oct. 14 . . . 0.49

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	e4.0	40	7.3	.77	.07
2	---	---	---	---	---	---	---	e8.0	26	6.9	.72	.07
3	---	---	---	---	---	---	---	e16	28	6.5	.65	.06
4	---	---	---	---	---	---	---	22	31	5.9	.60	.06
5	---	---	---	---	---	---	---	29	28	5.3	.63	.06
6	---	---	---	---	---	---	---	32	28	4.6	.66	.09
7	---	---	---	---	---	---	---	21	25	4.0	.59	.09
8	---	---	---	---	---	---	---	14	24	3.7	.52	.08
9	---	---	---	---	---	---	---	11	22	3.4	.47	.06
10	---	---	---	---	---	---	---	8.9	24	3.3	.43	.05
11	---	---	---	---	---	---	---	8.0	17	3.1	.38	.09
12	---	---	---	---	---	---	---	7.5	14	2.8	.34	.08
13	---	---	---	---	---	---	---	8.4	17	2.6	.29	.08
14	---	---	---	---	---	---	---	5.4	14	2.4	.23	.07
15	---	---	---	---	---	---	---	6.0	14	2.2	.21	.07
16	---	---	---	---	---	---	---	9.2	15	2.0	.17	.07
17	---	---	---	---	---	---	---	24	12	2.0	.16	.07
18	---	---	---	---	---	---	---	21	9.7	2.4	.14	.08
19	---	---	---	---	---	---	---	20	9.7	2.3	.13	.13
20	---	---	---	---	---	---	---	19	12	2.2	.12	.13
21	---	---	---	---	---	---	---	21	11	2.1	.11	.14
22	---	---	---	---	---	---	---	34	9.4	2.1	.10	.23
23	---	---	---	---	---	---	---	53	9.6	1.9	.10	.26
24	---	---	---	---	---	---	---	56	12	1.6	.09	.27
25	---	---	---	---	---	---	---	41	13	1.4	.09	.27
26	---	---	---	---	---	---	---	47	11	1.2	.08	.25
27	---	---	---	---	---	---	---	37	9.7	1.1	.08	.26
28	---	---	---	---	---	---	---	41	9.3	1.1	.06	.26
29	---	---	---	---	---	---	---	53	8.8	1.0	.05	.25
30	---	---	---	---	---	---	---	46	7.9	.92	.06	.25
31	---	---	---	---	---	---	---	40	---	.83	.07	---
TOTAL	---	---	---	---	---	---	---	763.4	512.1	90.15	9.10	4.00
MEAN	---	---	---	---	---	---	---	24.6	17.1	2.91	.29	.13
MAX	---	---	---	---	---	---	---	56	40	7.3	.77	.27
MIN	---	---	---	---	---	---	---	4.0	7.9	.83	.05	.05
AC-FT	---	---	---	---	---	---	---	1510	1020	179	18	7.9

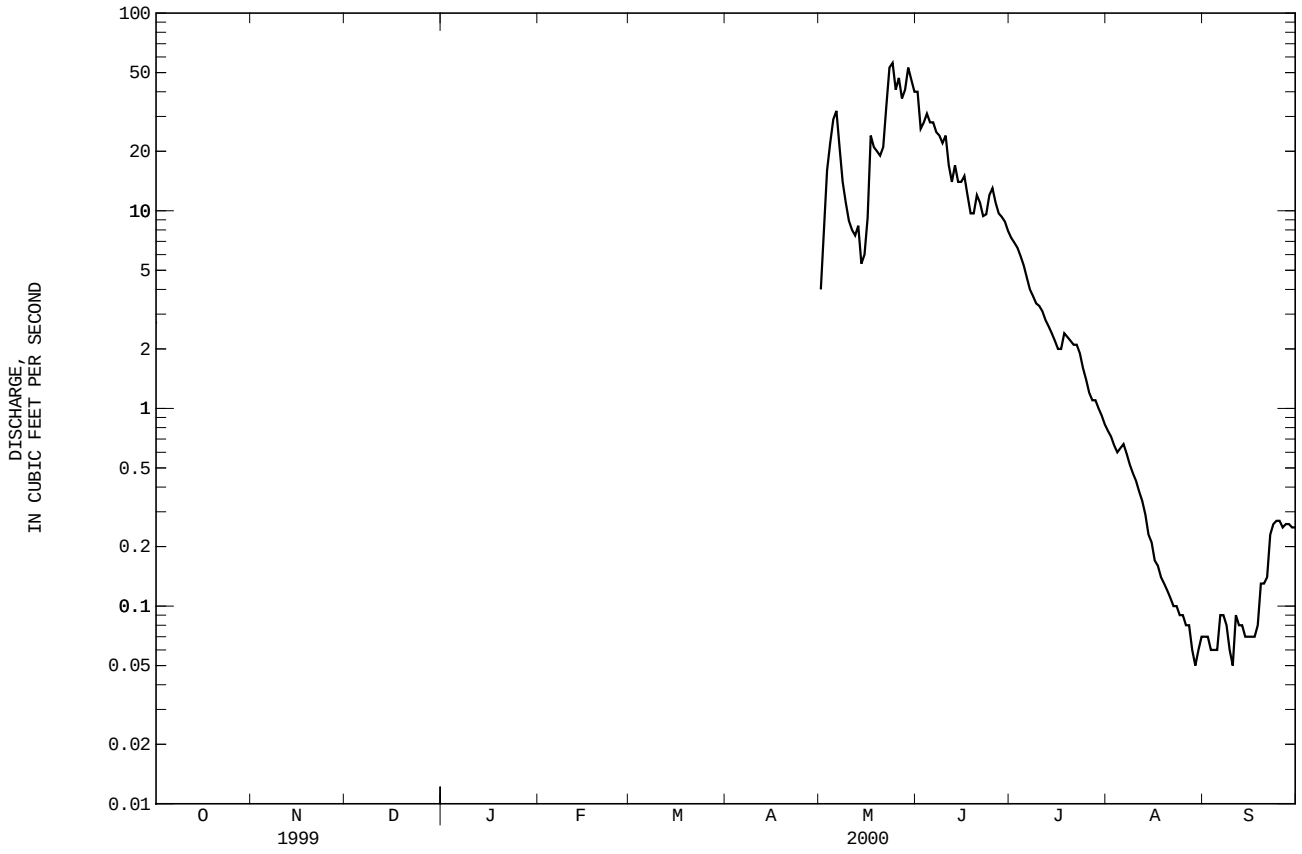
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2000, BY WATER YEAR (WY)*

MEAN	.57	.50	.27	.16	.13	.14	.58	19.0	28.4	7.01	1.54	.68
MAX	.71	.61	.36	.22	.20	.21	1.59	27.4	50.9	14.1	3.50	1.26
(WY)	1993	1993	1993	1992	1992	1992	1992	1992	1995	1995	1993	1998
MIN	.52	.43	.17	.12	.089	.055	.15	8.58	8.89	2.03	.29	.13
(WY)	1992	1997	1991	1997	1997	1997	1997	1995	1994	1994	2000	2000

06301480 CONEY CREEK ABOVE TWIN LAKES, NEAR BIG HORN, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1991 - 2000*	
ANNUAL MEAN	--		5.43	
HIGHEST ANNUAL MEAN	--		5.84	1992
LOWEST ANNUAL MEAN	--		4.83	1991
HIGHEST DAILY MEAN	56	May 24	105	Jun 16 1995
LOWEST DAILY MEAN	.05	Aug 29,Sep 10	.03	Sep 10 1996
INSTANTANEOUS PEAK FLOW	74	May 24	135[a]	Jun 15 1995
INSTANTANEOUS PEAK STAGE	3.71	May 24	5.05[b]	May 14 1991
ANNUAL RUNOFF (AC-FT)	--		3940	

* During period of operation.
a Gage height, 4.35 ft.
b Backwater from snow and ice.
e Estimated.



06301495 CONEY CREEK BELOW TWIN LAKES, NEAR BIG HORN, WY

LOCATION.--Lat 44°36'33", long 107°18'32", unsurveyed, Sheridan County, Hydrologic Unit 10090101, Bighorn National Forest, 30 ft downstream from Twin Lakes Reservoir, 0.4 mi upstream from mouth, and 16.2 mi southwest of Big Horn.

DRAINAGE AREA.--8.07 mi^2.

PERIOD OF RECORD.--October 1990 to September 1994, October 1995 to current year (no winter records 1993, 1994, 1996,1998, 1999, and 2000).

GAGE.--Water-stage recorder and concrete weir. Elevation of gage is 8,560 ft above sea level, from topographic map. October 1990 to September 1998, at site 0.2 mi downstream at different datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by Twin Lakes Reservoir, capacity, 3,400 acre-ft. Seasonal records collected by State of Wyoming at site 0.2 mi downstream, at different datum, 1971-90.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	e.50	28	.06	9.6	5.5
2	---	---	---	---	---	---	---	e.50	24	.06	12	4.5
3	---	---	---	---	---	---	---	e.51	24	.06	13	4.5
4	---	---	---	---	---	---	---	.52	18	.06	13	4.5
5	---	---	---	---	---	---	---	.53	16	.06	13	4.5
6	---	---	---	---	---	---	---	.52	16	.06	13	4.5
7	---	---	---	---	---	---	---	.51	e11	.06	14	4.5
8	---	---	---	---	---	---	---	.50	e8.0	.06	14	4.9
9	---	---	---	---	---	---	---	.51	e6.0	.06	14	5.1
10	---	---	---	---	---	---	---	.51	e4.5	5.6	14	5.1
11	---	---	---	---	---	---	---	.51	e1.0	9.6	14	5.1
12	---	---	---	---	---	---	---	.51	e1.0	9.7	14	5.2
13	---	---	---	---	---	---	---	.51	e1.0	9.6	14	5.2
14	---	---	---	---	---	---	---	.51	e1.0	9.6	14	5.2
15	---	---	---	---	---	---	---	.54	e1.0	9.6	14	5.2
16	---	---	---	---	---	---	---	.61	e1.0	9.6	14	5.2
17	---	---	---	---	---	---	---	.63	e1.0	9.6	7.5	5.2
18	---	---	---	---	---	---	---	.56	e1.0	9.6	7.4	5.2
19	---	---	---	---	---	---	---	.62	e1.0	9.6	8.4	5.3
20	---	---	---	---	---	---	---	.64	e1.0	9.6	7.8	5.2
21	---	---	---	---	---	---	---	.75	e1.0	9.6	7.6	5.2
22	---	---	---	---	---	---	---	4.4	e.30	9.6	7.6	5.2
23	---	---	---	---	---	---	---	13	e.10	9.5	7.6	5.2
24	---	---	---	---	---	---	---	23	.06	9.6	7.6	5.2
25	---	---	---	---	---	---	---	33	.06	9.6	7.6	5.2
26	---	---	---	---	---	---	---	41	.06	9.6	7.5	5.1
27	---	---	---	---	---	---	---	46	.07	9.6	7.5	5.1
28	---	---	---	---	---	---	---	46	.06	9.6	7.4	5.0
29	---	---	---	---	---	---	---	39	.06	9.5	7.4	5.0
30	---	---	---	---	---	---	---	33	.06	9.5	7.3	5.0
31	---	---	---	---	---	---	---	33	---	9.5	7.4	---
TOTAL	---	---	---	---	---	---	---	322.90	167.33	207.44	327.2	150.8
MEAN	---	---	---	---	---	---	---	10.4	5.58	6.69	10.6	5.03
MAX	---	---	---	---	---	---	---	46	28	9.7	14	5.5
MIN	---	---	---	---	---	---	---	.50	.06	.06	7.3	4.5
AC-FT	---	---	---	---	---	---	---	640	332	411	649	299

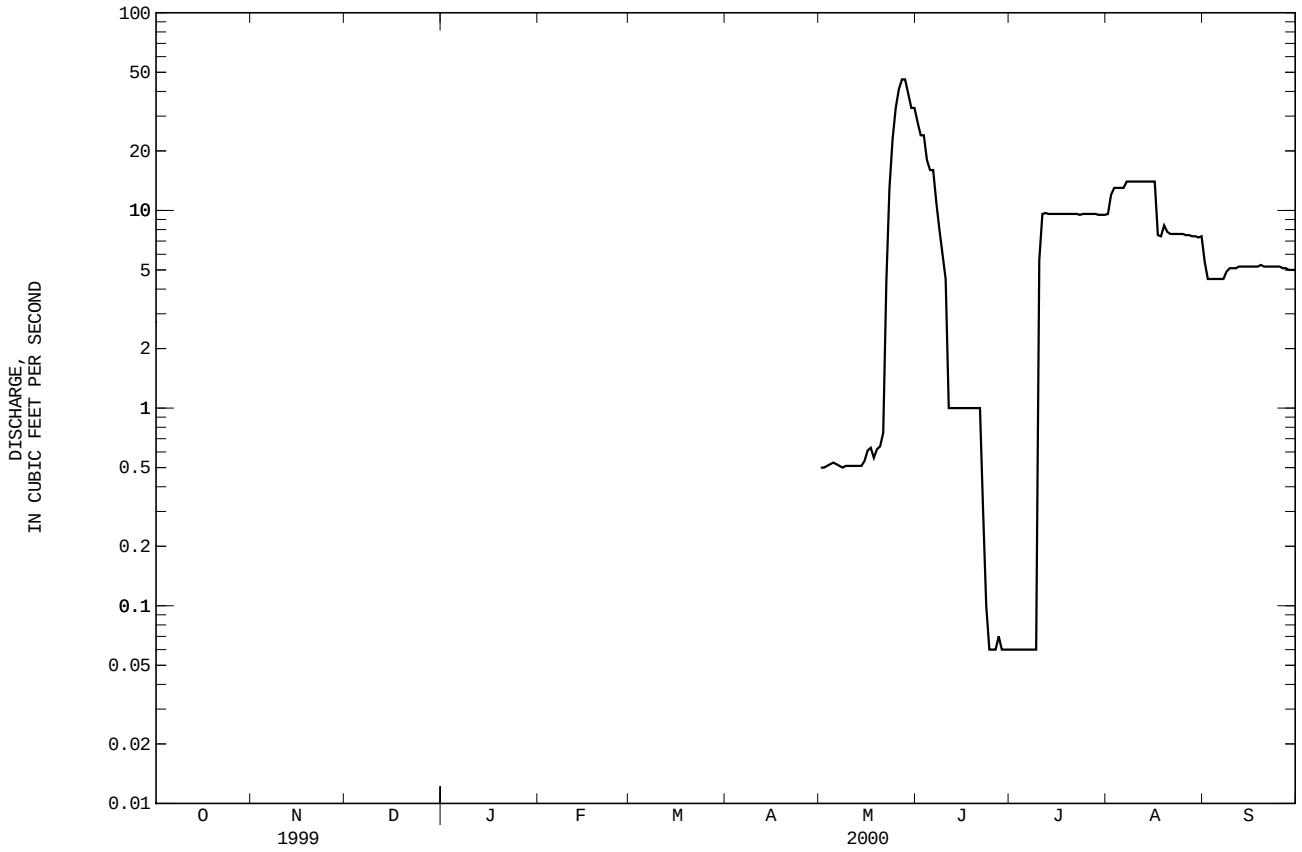
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2000, BY WATER YEAR (WY)*

MEAN	1.68	.38	.20	.14	.17	.23	.52	30.5	48.2	14.0	8.97	6.23
MAX	4.50	.56	.32	.26	.32	.51	1.32	54.4	81.3	27.1	18.7	12.7
(WY)	1991	1997	1992	1992	1992	1992	1992	1993	1997	1992	1998	1999
MIN	.50	.14	.13	.045	.040	.041	.20	1.45	5.58	5.08	2.03	.78
(WY)	1992	1993	1997	1997	1997	1997	1993	1999	2000	1994	1996	1996

06301495 CONEY CREEK BELOW TWIN LAKES, NEAR BIG HORN, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1991 - 2000*	
ANNUAL MEAN	--		12.0	
HIGHEST ANNUAL MEAN	--		12.6	1992
LOWEST ANNUAL MEAN	--		11.2	1991
HIGHEST DAILY MEAN	46	May 27,28	172	May 29 1993
LOWEST DAILY MEAN	.06	Many days	.03	Many days in 1997
INSTANTANEOUS PEAK FLOW	49	May 26	223[a]	May 29 1993
INSTANTANEOUS PEAK STAGE	1.88	May 26	4.32[b]	May 1 1997
ANNUAL RUNOFF (AC-FT)	--		8710	

* During period of operation.
a Gage height, 3.16 ft, site and datum then in use.
b Backwater from snow and ice, site and datum then in use.
e Estimated.



06301500 WEST FORK BIG GOOSE CREEK NEAR BIG HORN, WY

LOCATION.--Lat 44°36'47", long 107°17'49", in NE$^1/_4$ SE$^1/_4$ NE$^1/_4$ sec.35, T.54 N., R.87 W., Sheridan County, Hydrologic Unit 10090101, Bighorn National Forest, on left bank 0.3 mi downstream from Twin Lakes Branch and 16 mi west of Big Horn.

DRAINAGE AREA.--24.4 mi^2.

PERIOD OF RECORD.--October 1953 to current year (no winter records since 1971). Prior to October 1960, published as West Goose Creek near Big Horn.

GAGE.--Water-stage recorder. Elevation of gage is 8,420 ft above sea level, from topographic map.

REMARKS.--Records fair except for those estimated daily discharges, which are poor. Some regulation by Twin Lakes, capacity, 1,520 acre-ft, and Dome Lake, capacity, 1,800 acre-ft. No diversion upstream from station. Result of discharge measurement, in cubic feet per second, made during period when station was not in operation, is given below:

Oct. 8 . . . 40.4

COOPERATION.--Station operated and record provided by the Wyoming State Engineer's Office; record reviewed by U.S. Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	e6.4	291	73	41	17
2	---	---	---	---	---	---	---	e6.8	200	68	42	15
3	---	---	---	---	---	---	---	e7.4	212	65	43	15
4	---	---	---	---	---	---	---	e7.8	240	63	43	15
5	---	---	---	---	---	---	---	e8.0	236	58	43	15
6	---	---	---	---	---	---	---	e8.0	242	54	42	15
7	---	---	---	---	---	---	---	e8.0	222	48	41	15
8	---	---	---	---	---	---	---	e7.8	218	46	41	15
9	---	---	---	---	---	---	---	7.7	208	44	36	15
10	---	---	---	---	---	---	---	7.5	204	45	29	13
11	---	---	---	---	---	---	---	7.3	153	44	29	13
12	---	---	---	---	---	---	---	7.1	134	42	29	13
13	---	---	---	---	---	---	---	6.9	146	39	29	13
14	---	---	---	---	---	---	---	7.1	126	38	30	13
15	---	---	---	---	---	---	---	8.0	122	37	31	13
16	---	---	---	---	---	---	---	9.4	122	27	31	13
17	---	---	---	---	---	---	---	29	101	19	28	13
18	---	---	---	---	---	---	---	65	80	23	22	13
19	---	---	---	---	---	---	---	69	80	23	23	14
20	---	---	---	---	---	---	---	67	90	25	22	14
21	---	---	---	---	---	---	---	65	86	26	21	14
22	---	---	---	---	---	---	---	82	80	26	21	13
23	---	---	---	---	---	---	---	143	84	29	21	9.7
24	---	---	---	---	---	---	---	228	104	29	21	9.7
25	---	---	---	---	---	---	---	252	111	33	21	9.7
26	---	---	---	---	---	---	---	270	97	36	21	9.7
27	---	---	---	---	---	---	---	234	86	38	21	9.4
28	---	---	---	---	---	---	---	236	81	41	19	9.4
29	---	---	---	---	---	---	---	345	80	41	19	9.4
30	---	---	---	---	---	---	---	343	76	41	19	9.4
31	---	---	---	---	---	---	---	293	---	41	19	---
TOTAL	---	---	---	---	---	---	---	2842.2	4312	1262	898	385.4
MEAN	---	---	---	---	---	---	---	91.7	144	40.7	29.0	12.8
MAX	---	---	---	---	---	---	---	345	291	73	43	17
MIN	---	---	---	---	---	---	---	6.4	76	19	19	9.4
AC-FT	---	---	---	---	---	---	---	5640	8550	2500	1780	764

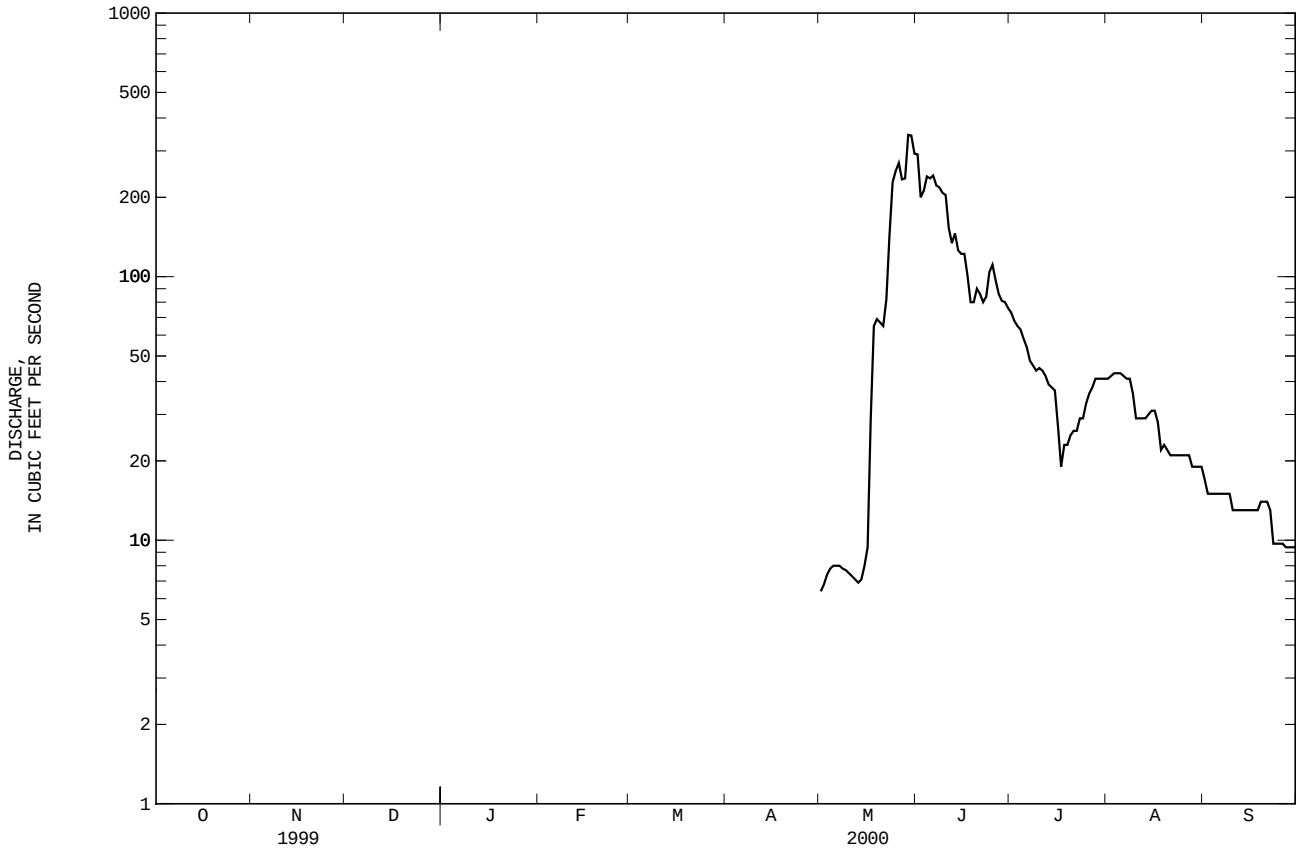
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2000, BY WATER YEAR (WY)*

MEAN	8.54	6.16	4.82	3.79	3.09	2.98	4.90	68.0	193	64.7	31.4	23.0
MAX	18.0	10.3	9.61	6.55	5.96	5.40	15.5	141	311	161	57.3	48.9
(WY)	1963	1969	1969	1965	1963	1963	1962	1994	1995	1975	1968	1968
MIN	2.67	1.22	1.03	1.05	1.06	1.46	1.71	5.23	59.1	28.5	19.4	4.48
(WY)	1964	1964	1964	1964	1964	1964	1957	1995	1994	1994	1969	1988

06301500 WEST FORK BIG GOOSE CREEK NEAR BIG HORN, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1954 - 2000*	
ANNUAL MEAN	--		34.3	
HIGHEST ANNUAL MEAN	--		45.7	1965
LOWEST ANNUAL MEAN	--		21.7	1960
HIGHEST DAILY MEAN	345	May 29	674	Jun 16 1995
LOWEST DAILY MEAN	6.4	May 1	.80	Several days, 1963,1964
INSTANTANEOUS PEAK FLOW	396	May 30	1030[a]	Jun 15 1963
INSTANTANEOUS PEAK STAGE	3.85	May 30	5.37	Jun 15 1963
ANNUAL RUNOFF (AC-FT)	--		24880	

* During period of operation.
a From rating curve extended above 410 ft^3/s on basis of velocity-area study.
e Estimated.



06302000 BIG GOOSE CREEK NEAR SHERIDAN, WY

LOCATION.--Lat 44°42'08", long 107°10'51", in NW$^1/_4$ NE$^1/_4$ sec.35, T.55 N., R.86 W., Sheridan County, Hydrologic Unit 10090101, on right bank 0.4 mi upstream from Cave Creek and 14 mi southwest of Sheridan.

DRAINAGE AREA.--120 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1929 to current year (no winter records since 1971). Prior to October 1960, published as Goose Creek near Sheridan. Monthly discharge only for some periods, published in WSP 1309.

REVISED RECORDS.--WSP 1006: Drainage area. WSP 1509: 1930(M), 1931.

GAGE.--Water-stage recorder. Elevation of gage is 4,505 ft above sea level, from topographic map.

REMARKS.--Records good except for those estimated daily discharges, which are poor. Natural flow of stream affected by transbasin diversions, storage reservoirs, diversions for irrigation of about 20 acres and to Sheridan Filtration plant, and return flow from irrigated areas. PK ditch diverts water 0.6 mi upstream from station for irrigation of lands downstream from station. Result of discharge measurement, in cubic feet per second, made when station was not in operation, is given below:

Oct. 7 . . . 30.6

COOPERATION.--Station operated and record provided by the Wyoming State Engineer's Office; record reviewed by U.S. Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	17	37	646	75	21	31
2	---	---	---	---	---	---	19	46	459	71	21	28
3	---	---	---	---	---	---	17	49	390	64	23	26
4	---	---	---	---	---	---	20	56	427	57	22	25
5	---	---	---	---	---	---	23	65	431	53	21	24
6	---	---	---	---	---	---	21	62	436	42	21	25
7	---	---	---	---	---	---	19	67	383	33	19	27
8	---	---	---	---	---	---	20	60	334	30	20	25
9	---	---	---	---	---	---	20	62	323	30	21	25
10	---	---	---	---	---	---	20	62	326	27	24	24
11	---	---	---	---	---	---	19	57	254	27	23	25
12	---	---	---	---	---	---	22	49	201	24	22	24
13	---	---	---	---	---	---	25	45	199	27	21	23
14	---	---	---	---	---	---	27	45	187	26	21	22
15	---	---	---	---	---	---	23	46	180	25	27	20
16	---	---	---	---	---	---	22	52	185	23	27	19
17	---	---	---	---	---	---	18	384	155	15	25	19
18	---	---	---	---	---	---	18	450	120	19	25	20
19	---	---	---	---	---	---	20	393	108	21	33	24
20	---	---	---	---	---	---	16	348	127	24	30	27
21	---	---	---	---	---	---	18	320	118	23	31	30
22	---	---	---	---	---	---	21	306	104	21	33	46
23	---	---	---	---	---	---	27	319	101	19	33	42
24	---	---	---	---	---	---	25	375	131	19	35	42
25	---	---	---	---	---	---	20	404	148	18	35	42
26	---	---	---	---	---	---	22	413	135	20	34	42
27	---	---	---	---	---	---	23	390	111	20	33	41
28	---	---	---	---	---	---	34	422	101	21	33	37
29	---	---	---	---	---	---	49	575	104	21	33	35
30	---	---	---	---	---	---	33	664	90	20	32	24
31	---	---	---	---	---	---	---	625	---	20	33	---
TOTAL	---	---	---	---	---	---	678	7248	7014	935	832	864
MEAN	---	---	---	---	---	---	22.6	234	234	30.2	26.8	28.8
MAX	---	---	---	---	---	---	49	664	646	75	35	46
MIN	---	---	---	---	---	---	16	37	90	15	19	19
AC-FT	---	---	---	---	---	---	1340	14380	13910	1850	1650	1710

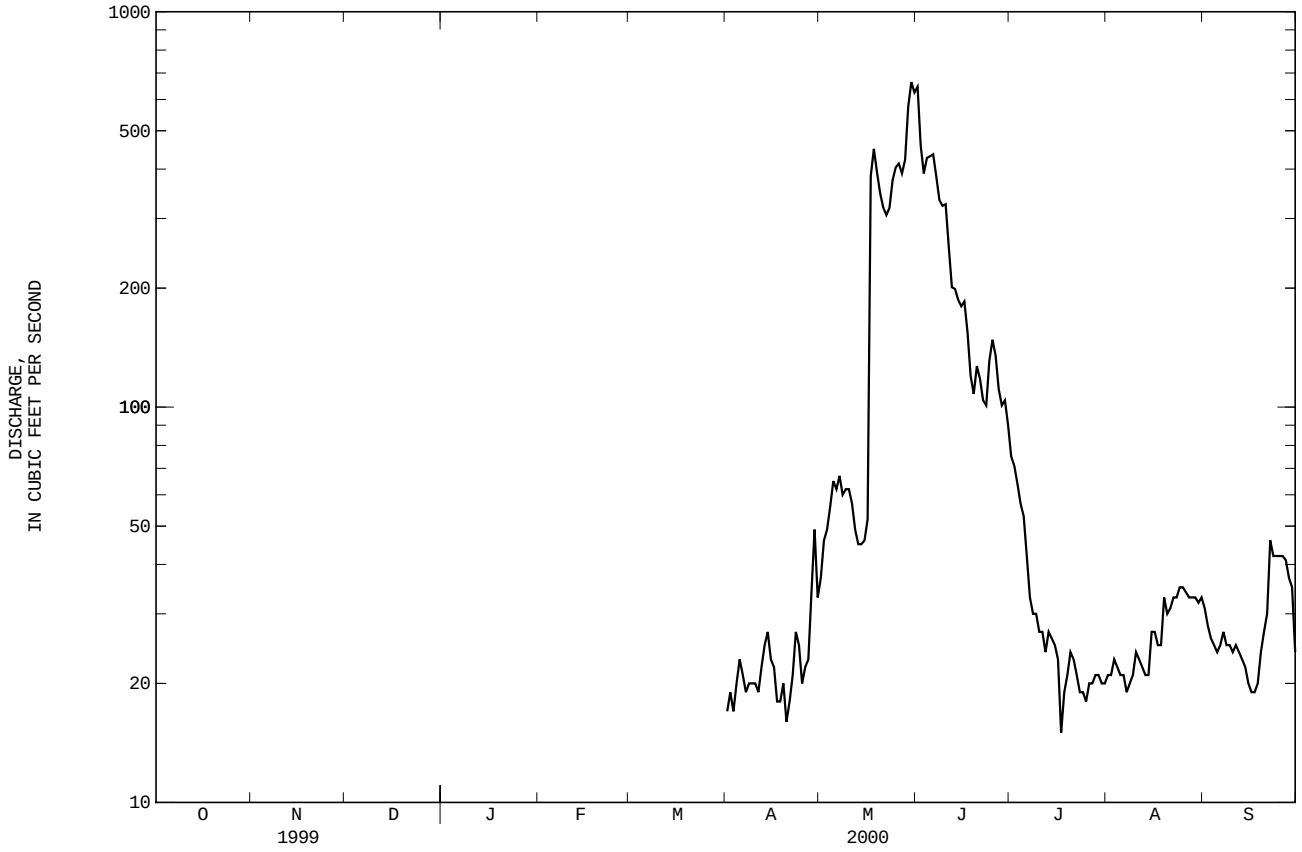
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2000, BY WATER YEAR (WY)*

MEAN	27.7	18.6	14.0	11.9	10.2	10.4	32.6	216	420	91.9	31.6	29.5
MAX	93.3	48.0	30.3	22.0	18.2	20.2	102	576	954	340	71.7	116
(WY)	1947	1942	1951	1951	1951	1946	1943	1944	1995	1975	1968	1941
MIN	9.68	7.08	5.19	2.66	2.90	2.75	11.5	37.2	49.6	22.3	10.3	11.3
(WY)	1953	1940	1955	1955	1955	1937	1970	1960	1934	1961	1934	1931

06302000 BIG GOOSE CREEK NEAR SHERIDAN, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1930 - 2000*	
ANNUAL MEAN	--		80.2	
HIGHEST ANNUAL MEAN	--		137	1944
LOWEST ANNUAL MEAN	--		26.6	1960
HIGHEST DAILY MEAN	664	May 30	2050	Jun 16 1963
LOWEST DAILY MEAN	15	Jul 17	1.6[a]	Nov 29 1954
INSTANTANEOUS PEAK FLOW	784	May 17	3160[a]	Jun 15 1963
INSTANTANEOUS PEAK STAGE	3.62	May 17	5.83	Jun 15 1963
ANNUAL RUNOFF (AC-FT)	--		58100	

* During period of operation.
a From rating extended above 1,600 ft^3/s.



06302200 BIG GOOSE CREEK ABOVE PARK CREEK, NEAR SHERIDAN, WY

LOCATION.--Lat 44°44'35", long 107°07'45", in NW$^1/_4$ SE$^1/_4$ NW$^1/_4$ sec.17, T.55 N., R.85 W., Sheridan County, Hydrologic Unit 10090101, on right bank 5 ft downstream from bridge on County Road 53, 0.5 mi south of Beckton, and 9.5 mi southwest of Sheridan.

DRAINAGE AREA.--153 mi^2.

PERIOD OF RECORD.--June 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,070 ft above sea level, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Natural flow of stream affected by transbasin diversions, storage reservoirs, diversions for irrigation and to Sheridan Filtration plant, and return flow from irrigated areas. Data collection platform with satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	24	e19	e20	e18	18	17	45	731	60	4.2	4.2
2	20	e17	e18	e19	e21	19	20	57	509	55	3.4	2.9
3	19	e18	e18	e18	e19	18	17	58	437	48	4.2	4.0
4	19	19	e15	e32	e18	19	20	63	475	39	4.6	4.4
5	26	18	e14	e29	e19	19	23	71	479	35	4.6	3.9
6	26	18	e15	e23	e20	19	21	64	473	23	5.2	2.9
7	28	18	e15	e24	e21	20	20	73	408	14	4.2	4.8
8	22	18	e12	e25	22	20	19	62	349	11	4.2	2.8
9	22	17	e12	24	22	18	20	63	338	9.3	4.1	2.0
10	17	17	e13	e23	22	19	20	58	344	8.4	5.5	2.6
11	16	17	e15	e24	20	18	19	47	253	8.5	3.9	2.8
12	17	17	e19	e24	23	19	21	39	187	8.2	2.5	3.3
13	15	16	e20	e22	e20	17	27	33	186	9.5	2.3	3.8
14	13	16	e17	e23	e22	20	30	31	172	8.6	2.2	3.6
15	14	15	e23	e24	e20	18	25	30	166	4.3	2.7	2.1
16	15	16	25	e25	e19	17	22	36	172	3.1	2.0	2.8
17	14	17	25	e25	e18	19	21	565	138	2.5	1.0	3.7
18	16	17	24	e23	e18	18	22	678	108	2.7	1.0	1.8
19	14	14	e22	e21	e19	18	31	545	94	2.4	2.5	3.3
20	14	19	e18	e18	e20	18	22	465	108	2.2	1.5	6.0
21	15	14	e19	e20	20	16	25	414	99	3.2	1.4	8.0
22	17	e10	e22	e20	19	19	29	399	84	4.6	2.4	36
23	20	e9.0	e24	e19	19	e20	37	415	82	4.7	2.1	30
24	20	e9.6	24	e18	20	e19	37	467	110	4.4	3.3	32
25	19	e14	24	e17	20	e18	29	490	127	3.2	3.1	36
26	19	e18	24	e18	19	e19	32	491	113	2.1	3.2	34
27	19	e19	24	e19	20	e19	34	457	94	2.3	3.6	33
28	19	e18	23	e19	20	18	46	496	85	3.9	3.7	28
29	18	e18	23	e18	19	19	69	664	88	3.6	3.1	26
30	19	e19	e21	e17	---	18	42	763	74	3.4	3.3	16
31	26	---	e20	e17	---	17	---	717	---	3.2	4.4	---
TOTAL	575	496.6	607	668	577	573	817	8856	7083	393.3	99.4	346.7
MEAN	18.5	16.6	19.6	21.5	19.9	18.5	27.2	286	236	12.7	3.21	11.6
MAX	28	24	25	32	23	20	69	763	731	60	5.5	36
MIN	13	9.0	12	17	18	16	17	30	74	2.1	1.0	1.8
AC-FT	1140	985	1200	1320	1140	1140	1620	17570	14050	780	197	688

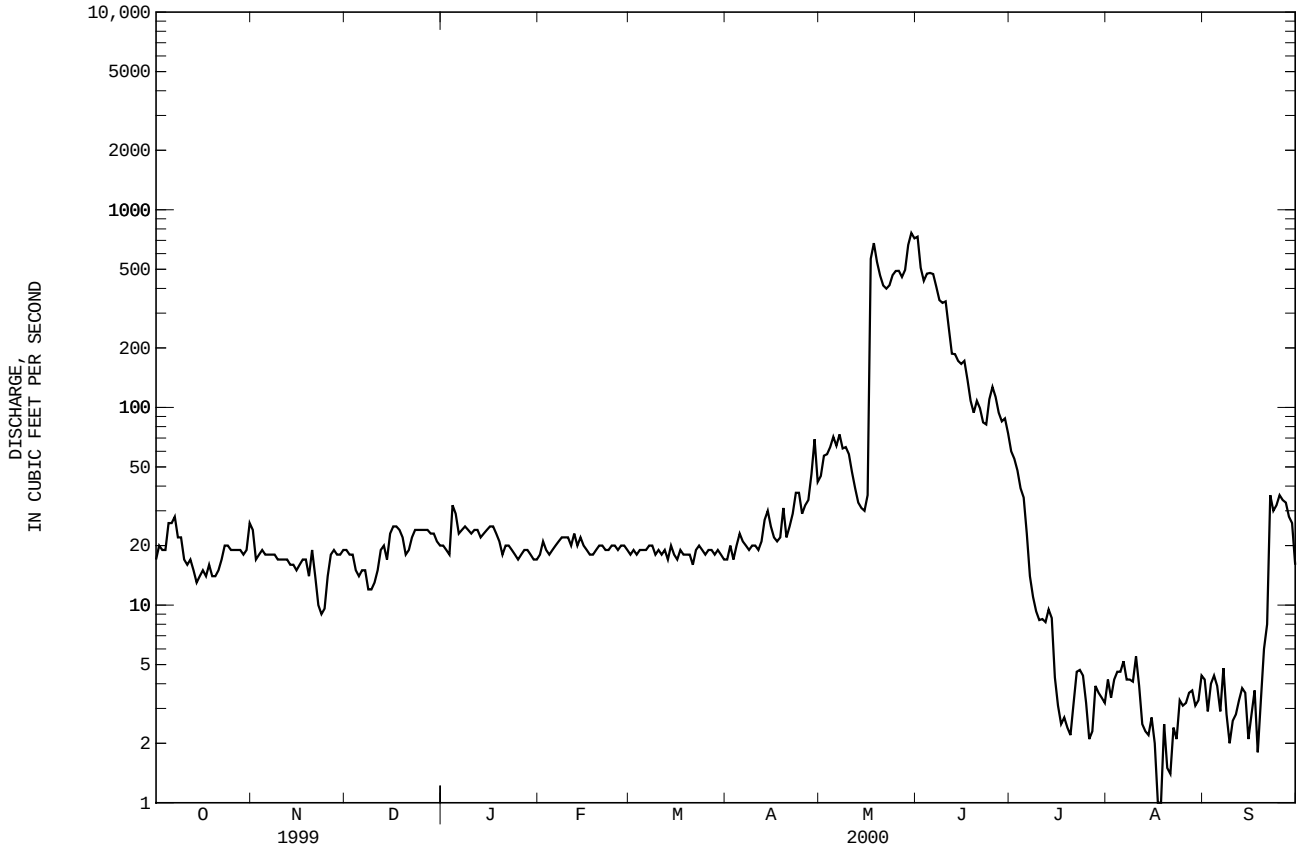
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

MEAN	18.5	16.6	19.6	21.5	19.9	18.5	27.2	286	236	32.6	4.12	16.6
MAX	18.5	16.6	19.6	21.5	19.9	18.5	27.2	286	236	52.5	5.04	21.7
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	1999	1999	1999
MIN	18.5	16.6	19.6	21.5	19.9	18.5	27.2	286	236	12.7	3.21	11.6
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000

06302200 BIG GOOSE CREEK ABOVE PARK CREEK, NEAR SHERIDAN, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1999 - 2000	
ANNUAL TOTAL	--		21092.0		--	
ANNUAL MEAN	--		57.6		57.6	
HIGHEST ANNUAL MEAN	--		--		57.6	2000
LOWEST ANNUAL MEAN	--		--		57.6	2000
HIGHEST DAILY MEAN	1200	Jun 20	763	May 30	1200	Jun 20 1999
LOWEST DAILY MEAN	1.4	Jul 28	1.0	Aug 17,18	1.0	Aug 17,18 2000
ANNUAL SEVEN-DAY MINIMUM	2.6	Aug 18	1.7	Aug 16	1.7	Aug 16 2000
INSTANTANEOUS PEAK FLOW	--		1270	May 17	1420[a]	Jun 20 1999
INSTANTANEOUS PEAK STAGE	--		7.04	May 17	7.04	May 17 2000
ANNUAL RUNOFF (AC-FT)	--		41840		41750	
10 PERCENT EXCEEDS	112		108		140	
50 PERCENT EXCEEDS	17		19		19	
90 PERCENT EXCEEDS	4.3		3.3		3.3	

a Gage height, 6.97 ft.
e Estimated



06302200 BIG GOOSE CREEK ABOVE PARK CREEK, NEAR SHERIDAN, WY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1999 to September 2000 (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT										
13...	1150	15	663	134	13.9	8.3	402	16.0	7.5	39
JAN										
04...	1300	35	655	92	11.6	8.1	312	3.0	.0	K6
MAY										
16...	0700	38	654	124	12.6	7.5	172	11.5	8.0	580
AUG										
03...	0710	4.5	660	95	8.0	8.3	637	16.0	16.5	260

K Results based on colony count outside the acceptable range (non-ideal colony count).

06303500 LITTLE GOOSE CREEK IN CANYON, NEAR BIG HORN, WY

LOCATION.--Lat 44°35'46", long 107°02'22", in SE$^1/_4$ SW$^1/_4$ NE$^1/_4$ sec.1, T.53 N., R.85 W., Sheridan County, Hydrologic Unit 10090101, on left bank 100 ft upstream from headgate of Lower Peralta ditch and 6.5 mi southwest of Big Horn.

DRAINAGE AREA.--51.6 mi^2.

PERIOD OF RECORD.--April 1941 to current year (no winter records since 1971).

REVISED RECORDS.--WDR WY-76-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,860 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Three small reservoirs upstream from station, combined capacity, 860 acre-ft, two of which store some imported water. Water imported into drainage basin upstream from station from East Goose Creek basin is diverted downstream from station for irrigation. Result of discharge measurement, in cubic feet per second, made when station was not in operation, is given below:

Oct. 4 . . . 23.7

COOPERATION.--Station operated and record provided by the Wyoming State Engineer's Office; record reviewed by U.S. Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e8.2	80	208	75	93	53
2	---	---	---	---	---	---	e11	93	179	70	91	52
3	---	---	---	---	---	---	e8.6	101	190	66	88	52
4	---	---	---	---	---	---	e11	110	179	63	89	51
5	---	---	---	---	---	---	e14	120	173	57	94	50
6	---	---	---	---	---	---	e13	e135	169	55	93	51
7	---	---	---	---	---	---	e12	e130	158	63	90	50
8	---	---	---	---	---	---	e11	114	197	73	87	48
9	---	---	---	---	---	---	e14	108	203	71	87	47
10	---	---	---	---	---	---	e14	104	200	66	94	46
11	---	---	---	---	---	---	e12	99	182	69	91	46
12	---	---	---	---	---	---	15	93	159	74	86	45
13	---	---	---	---	---	---	18	e86	149	76	85	44
14	---	---	---	---	---	---	20	e86	139	80	87	39
15	---	---	---	---	---	---	18	e86	150	85	92	37
16	---	---	---	---	---	---	17	e90	140	83	91	34
17	---	---	---	---	---	---	18	e300	128	86	90	34
18	---	---	---	---	---	---	24	e390	115	92	87	35
19	---	---	---	---	---	---	38	e340	109	89	80	43
20	---	---	---	---	---	---	34	303	105	85	80	44
21	---	---	---	---	---	---	39	277	96	85	78	36
22	---	---	---	---	---	---	47	282	92	84	77	37
23	---	---	---	---	---	---	55	299	90	81	72	35
24	---	---	---	---	---	---	56	294	97	78	66	32
25	---	---	---	---	---	---	54	263	99	74	63	23
26	---	---	---	---	---	---	56	272	96	71	61	19
27	---	---	---	---	---	---	56	245	96	68	60	18
28	---	---	---	---	---	---	64	254	93	76	59	16
29	---	---	---	---	---	---	84	273	96	88	54	15
30	---	---	---	---	---	---	75	249	84	88	54	13
31	---	---	---	---	---	---	---	232	---	90	53	---
TOTAL	---	---	---	---	---	---	916.8	5908	4171	2361	2472	1145
MEAN	---	---	---	---	---	---	30.6	191	139	76.2	79.7	38.2
MAX	---	---	---	---	---	---	84	390	208	92	94	53
MIN	---	---	---	---	---	---	8.2	80	84	55	53	13
AC-FT	---	---	---	---	---	---	1820	11720	8270	4680	4900	2270

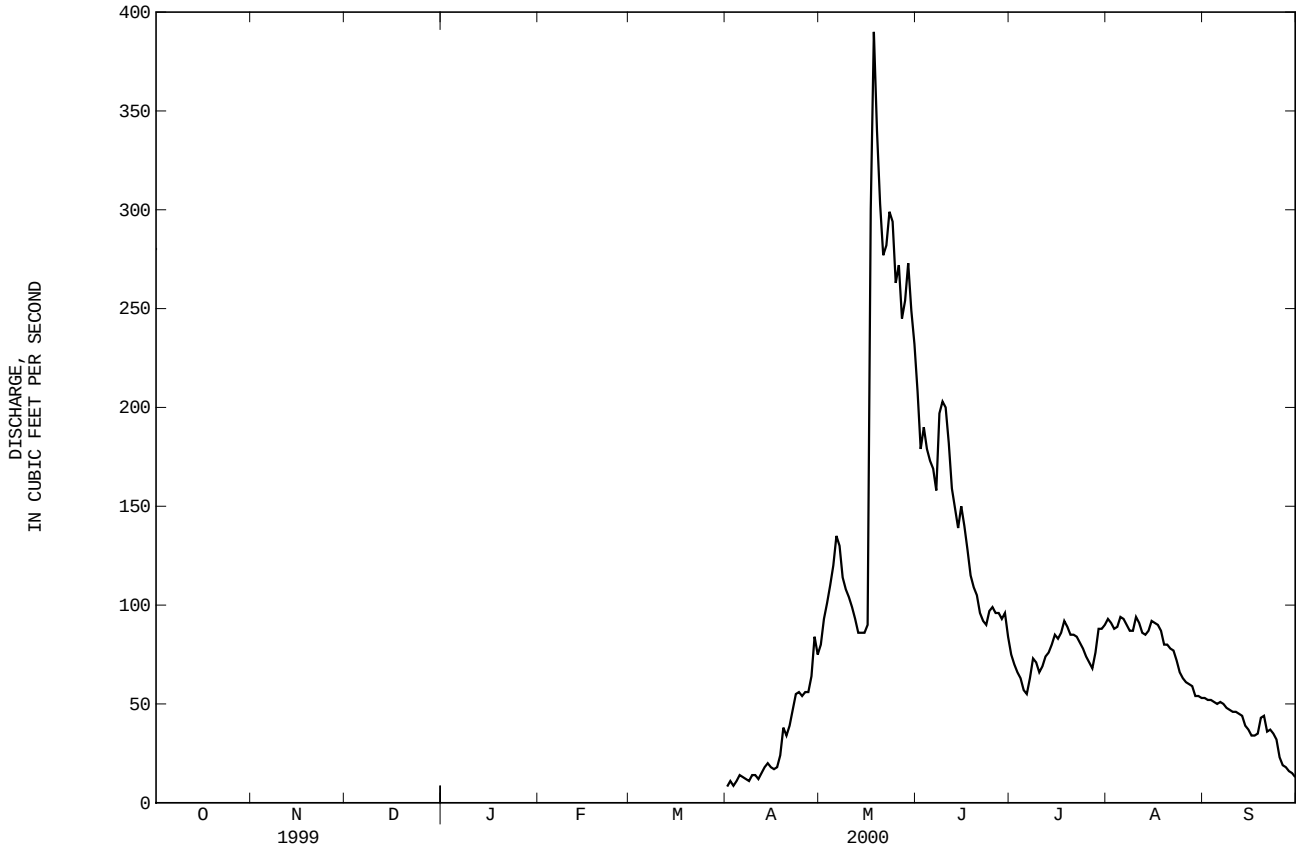
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2000, BY WATER YEAR (WY)*

MEAN	23.6	13.1	10.4	8.58	8.11	8.48	35.1	179	240	104	81.4	52.2
MAX	46.0	26.5	17.5	12.3	13.9	14.1	106	339	502	209	124	90.0
(WY)	1959	1962	1942	1942	1962	1962	1943	1944	1995	1975	1968	1978
MIN	12.7	8.51	6.49	4.99	5.38	5.76	9.46	80.4	83.2	66.6	41.1	20.4
(WY)	1954	1955	1950	1950	1950	1950	1970	1950	1994	1981	1981	1960

06303500 LITTLE GOOSE CREEK IN CANYON, NEAR BIG HORN, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1941 - 2000*	
HIGHEST DAILY MEAN	390[e]	May 18	837	Jun 15 1963
LOWEST DAILY MEAN	8.2	Apr 1	3.0[b]	Jan 3 1950
INSTANTANEOUS PEAK FLOW	(a)	May 17	1350[b]	Jun 15 1963
INSTANTANEOUS PEAK STAGE	Unknown	May 17	6.78	Jun 15 1963

* During period of operation.
a Instantaneous peak flow estimated 500-800 ft^3/s on May 17.
b From rating curve extended above 900 ft^3/s.
e Estimated.



06303700 LITTLE GOOSE CREEK ABOVE DAVIS CREEK, NEAR BIG HORN, WY

LOCATION.--Lat 44°37'15", long 107°02'15", in NW$^1/_4$ SE$^1/_4$ SE$^1/_4$ sec.25, T.54 N., R.85 W., Sheridan County, Hydrologic Unit 10090101, on right bank 5 ft downstream from bridge on County Road 77, 0.25 mi south of General Crooks Camp, and 6.2 mi southwest of Big Horn.

DRAINAGE AREA.--53.6 mi^2.

PERIOD OF RECORD.--June 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,515 ft above sea level, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Natural flow of stream affected by transbasin diversions, storage reservoirs, diversions for irrigation, and return flow from irrigated areas. U.S. Geological Survey data collection platform with satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	5.6	12	9.5	e8.6	e7.6	9.1	83	175	50	61	35
2	21	4.2	e11	e9.0	e9.4	e8.0	11	94	153	46	58	33
3	21	12	e9.0	e8.4	e9.2	e8.6	9.5	101	162	43	54	33
4	21	13	e6.8	e9.6	e8.4	e9.0	11	113	150	39	56	32
5	20	12	e6.2	e9.0	e9.2	e9.4	14	126	138	30	61	31
6	20	11	e9.0	e7.8	9.5	e9.2	14	140	131	28	61	32
7	13	11	e8.4	e9.0	9.3	8.8	13	137	118	37	58	30
8	10	11	e7.0	e9.4	9.8	8.5	12	118	154	47	55	26
9	10	11	e6.0	9.5	10	7.3	14	113	160	45	55	27
10	10	11	e6.4	e9.2	9.9	8.6	14	108	157	42	59	27
11	9.8	11	e9.0	e9.0	e8.8	7.7	13	101	140	46	54	27
12	9.4	11	e9.6	e8.6	e9.2	8.6	16	92	118	48	50	27
13	9.1	11	e10	e8.0	e8.2	7.5	20	87	111	50	49	27
14	8.9	e10	e9.0	e8.4	e8.8	8.1	23	84	102	53	50	24
15	11	e9.0	e10	9.2	e8.2	7.8	20	84	116	58	56	23
16	8.6	e9.0	e11	9.0	e7.6	7.3	19	91	109	56	56	21
17	7.7	e9.0	e10	9.3	e7.2	8.2	20	302	96	59	54	22
18	10	e8.0	e8.8	9.2	e6.8	7.6	26	358	81	63	53	22
19	8.0	7.0	e7.8	9.0	e7.2	7.8	40	303	73	59	50	31
20	8.3	13	e7.6	e8.2	e7.6	7.5	36	272	69	54	49	32
21	8.5	7.1	e8.4	e8.6	e8.4	e7.2	40	247	62	52	48	27
22	8.3	4.8	e9.4	e8.0	e8.8	8.1	47	246	60	51	48	28
23	8.2	e4.7	e9.6	e7.6	e9.0	8.2	59	252	58	49	43	26
24	8.1	e5.6	e10	e7.2	e9.0	9.0	61	247	64	46	43	24
25	7.9	13	e10	e7.0	e8.4	8.0	56	229	66	44	44	16
26	7.8	17	e9.8	e7.8	e7.4	9.5	59	230	64	44	45	11
27	8.0	14	e10	e9.0	e7.6	9.2	59	210	65	42	46	9.8
28	7.5	13	10	e9.4	e8.4	10	68	213	63	48	46	6.9
29	7.3	12	10	e9.0	e8.4	11	90	222	67	58	42	6.2
30	6.7	13	9.6	e8.2	---	9.7	79	213	56	57	42	5.3
31	6.9	---	9.6	e7.8	---	9.1	---	200	---	59	39	---
TOTAL	344.0	304.0	281.0	267.9	248.3	262.1	972.6	5416	3138	1503	1585	722.2
MEAN	11.1	10.1	9.06	8.64	8.56	8.45	32.4	175	105	48.5	51.1	24.1
MAX	22	17	12	9.6	10	11	90	358	175	63	61	35
MIN	6.7	4.2	6.0	7.0	6.8	7.2	9.1	83	56	28	39	5.3
AC-FT	682	603	557	531	493	520	1930	10740	6220	2980	3140	1430

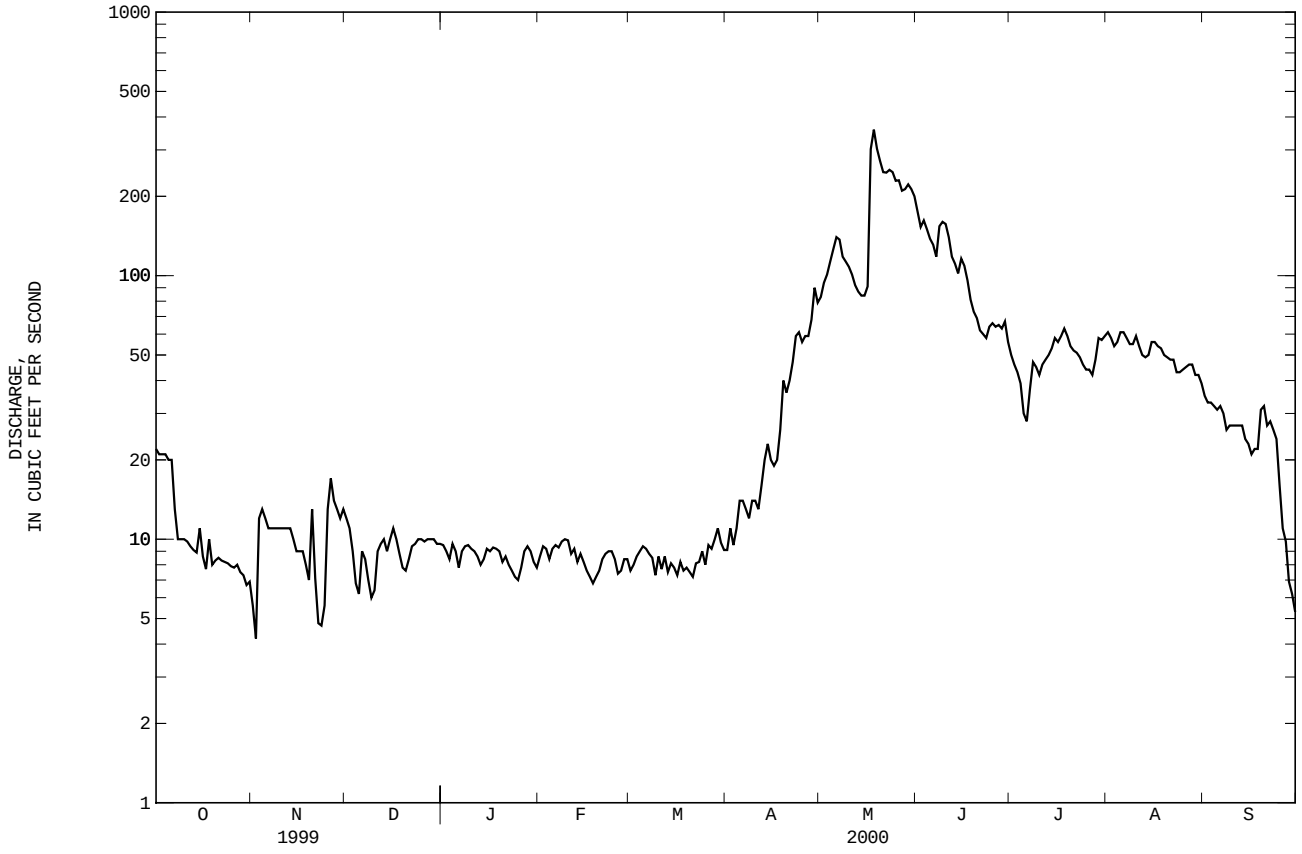
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

MEAN	11.1	10.1	9.06	8.64	8.56	8.45	32.4	175	105	62.6	55.3	28.3
MAX	11.1	10.1	9.06	8.64	8.56	8.45	32.4	175	105	76.7	59.5	32.5
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	1999	1999	1999
MIN	11.1	10.1	9.06	8.64	8.56	8.45	32.4	175	105	48.5	51.1	24.1
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000

06303700 LITTLE GOOSE CREEK ABOVE DAVIS CREEK, NEAR BIG HORN, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR*		FOR 2000 WATER YEAR		WATER YEARS 1999 - 2000	
ANNUAL TOTAL	--		15044.1		--	
ANNUAL MEAN	--		41.1		41.1	
HIGHEST ANNUAL MEAN	--		--		41.1	2000
LOWEST ANNUAL MEAN	--		--		41.1	2000
HIGHEST DAILY MEAN	310	Jun 20	358	May 18	358	May 18 2000
LOWEST DAILY MEAN	4.2	Nov 2	4.2	Nov 2	4.2	Nov 2 1999
ANNUAL SEVEN-DAY MINIMUM	6.6	Oct 27	6.6	Oct 27	6.6	Oct 27 1999
INSTANTANEOUS PEAK FLOW	--		627	May 17	627	May 17 2000
INSTANTANEOUS PEAK STAGE	--		4.81	May 17	4.81	May 17 2000
ANNUAL RUNOFF (AC-FT)	--		29840		29780	
10 PERCENT EXCEEDS	76		108		116	
50 PERCENT EXCEEDS	26		13		29	
90 PERCENT EXCEEDS	7.8		7.6		7.9	

* During period of operation.
e Estimated.



06304500 LITTLE GOOSE CREEK AT SHERIDAN, WY

LOCATION.--Lat 44°48'10", long 106°57'10", in NE$^{1}/_{4}$ NW$^{1}/_{4}$ SW$^{1}/_{4}$ sec.26, T.56 N., R.84 W., Sheridan County, Hydrologic Unit 10090101, at bridge on Sheridan Avenue in Sheridan and 0.6 mi upstream from mouth.

PERIOD OF RECORD.--March 1979 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
OCT							
13...	1345	40	670	--	--	8.5	663
JAN							
04...	1520	35	665	97	12.3	8.3	717
MAY							
16...	0820	65	658	126	11.8	8.0	346
AUG							
03...	0845	11	667	116	9.4	8.4	763

DATE	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT							
13...	18.0	11.5	<.020	<.050	<.010	<.010	K11
JAN							
04...	3.0	.0	<.020	.291	<.010	.010	K9
MAY							
16...	11.0	11.5	<.020	<.050	<.010	<.010	96
AUG							
03...	23.5	19.0	<.020	<.050	<.010	<.010	390

K Results based on colony count outside the acceptable range (non-ideal colony count).

06305500 GOOSE CREEK BELOW SHERIDAN, WY

LOCATION.--Lat 44°49'25", long 106°57'40", in $SE^1/_4$ $SW^1/_4$ sec.15, T.56 N., R.84 W., Sheridan County, Hydrologic Unit 10090101, 700 ft north of Sheridan city limits and 0.2 mi downstream from Soldier Creek.

DRAINAGE AREA.--392 mi^2.

PERIOD OF RECORD.--Water years 1959-65, 1968 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
OCT							
13...	1445	88	670	--	--	8.7	628
JAN							
04...	1635	61	665	97	12.3	8.3	718
MAY							
16...	0940	115	663	105	9.9	8.1	399
AUG							
03...	0955	20	668	116	9.3	8.4	762

DATE	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT							
13...	18.0	12.5	<.020	.268	<.010	.075	K1400
JAN							
04...	.0	.0	<.020	.718	<.010	.115	180
MAY							
16...	19.0	11.5	<.020	.280	<.010	.059	260
AUG							
03...	27.0	19.5	<.020	.429	<.010	.148	260

K Results based on colony count outside the acceptable range (non-ideal colony count).

06305700 GOOSE CREEK NEAR ACME, WY

LOCATION.--Lat 44°53'11", long 106°59'18", in $SE^1/_4$ $SE^1/_4$ $NE^1/_4$ sec.28, T.57 N., R.84 W., Sheridan County, Hydrologic Unit 10090101, on right bank 0.2 mi north of county road, 1.6 mi south of Acme, and 3.4 mi upstream from mouth.

DRAINAGE AREA.--411 mi^2.

PERIOD OF RECORD.--May 1984 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,620 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Some regulation by many small reservoirs, combined capacity, about 15,000 acre-ft. Natural flow of stream affected by transbasin diversions, storage reservoirs, diversions for irrigation, and return flow from irrigated areas.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	108	94	85	e62	e80	86	65	170	843	151	24	48
2	131	83	84	e62	e100	82	71	179	697	140	23	44
3	140	87	84	e60	e130	88	74	187	552	132	23	36
4	126	89	78	e56	e110	93	71	189	544	123	24	33
5	120	86	e64	e60	e110	103	72	190	539	108	29	35
6	119	84	e64	e66	e120	102	75	201	521	95	41	36
7	118	84	e62	e64	e120	96	76	252	476	75	40	42
8	111	83	e62	e60	e120	111	71	259	414	62	33	52
9	107	82	e62	e58	e130	93	71	219	414	58	29	45
10	97	81	e58	e56	e150	83	69	199	434	55	27	45
11	99	82	e56	e56	e140	85	70	182	379	53	29	45
12	97	78	e56	e56	e130	84	70	170	314	43	28	49
13	97	75	e56	e52	e120	81	74	162	270	40	26	51
14	95	75	e60	e52	e110	79	80	147	275	39	27	49
15	97	73	e64	e56	e100	80	83	136	274	36	27	34
16	101	72	e70	e58	e110	73	79	132	310	28	29	37
17	100	77	e74	e58	e110	76	72	514	289	30	33	36
18	98	84	e76	e58	e100	76	70	1660	247	43	35	42
19	103	87	e72	e56	e100	74	114	1120	199	56	38	49
20	104	81	e68	e52	e110	74	119	895	214	62	42	68
21	99	84	e76	e56	e110	70	99	763	217	56	43	81
22	98	75	e80	e58	e110	70	108	685	199	47	39	108
23	99	e64	e80	e62	e100	72	132	687	189	37	32	131
24	97	e70	e76	e62	e100	71	177	714	206	33	34	130
25	97	82	e76	e64	e100	69	155	712	241	31	28	131
26	99	97	e74	e62	e90	70	144	686	264	24	27	121
27	97	99	e72	e66	e90	70	138	651	237	23	33	105
28	96	89	e76	e72	e100	69	140	628	233	23	37	102
29	97	83	e74	e77	88	70	184	748	197	23	37	93
30	95	83	e70	e76	---	70	185	874	197	24	29	90
31	98	---	e66	e70	---	68	---	826	---	26	41	---
TOTAL	3240	2463	2175	1883	3188	2488	3008	15137	10385	1776	987	1968
MEAN	105	82.1	70.2	60.7	110	80.3	100	488	346	57.3	31.8	65.6
MAX	140	99	85	77	150	111	185	1660	843	151	43	131
MIN	95	64	56	52	80	68	65	132	189	23	23	33
AC-FT	6430	4890	4310	3730	6320	4930	5970	30020	20600	3520	1960	3900

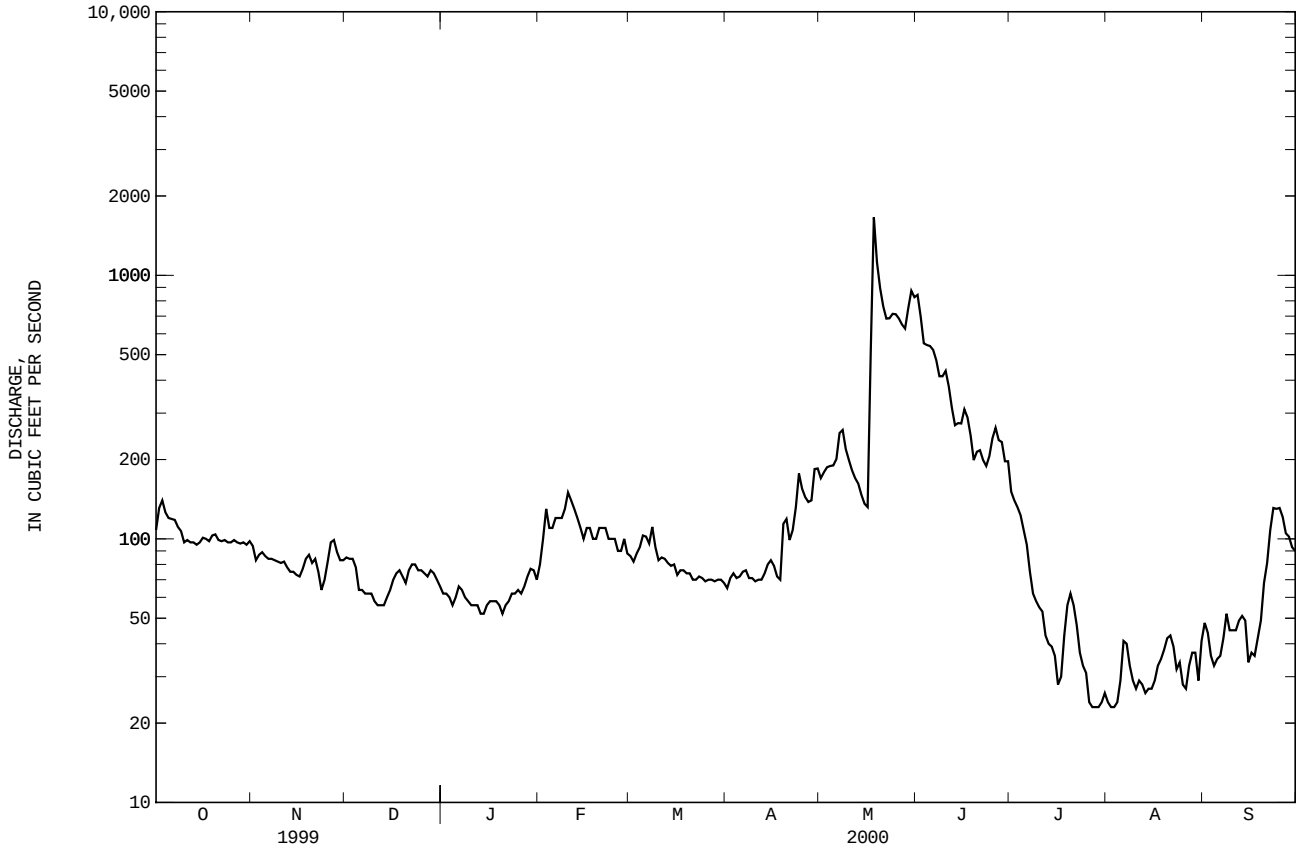
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2000, BY WATER YEAR (WY)

MEAN	107	99.2	82.3	71.8	89.2	103	139	416	626	162	64.7	91.4
MAX	156	144	107	109	137	185	195	891	1592	547	157	158
(WY)	1985	1999	1996	1990	1996	1994	1994	1984	1995	1995	1998	1998
MIN	49.9	59.4	54.2	48.4	36.7	70.3	72.0	98.4	90.6	20.1	15.6	33.3
(WY)	1989	1989	1986	1989	1989	1992	1989	1989	1994	1988	1988	1988

06305700 GOOSE CREEK NEAR ACME, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1984 - 2000	
ANNUAL TOTAL	79889		48698		--	
ANNUAL MEAN	219		133		165	
HIGHEST ANNUAL MEAN	--		--		303	1995
LOWEST ANNUAL MEAN	--		--		71.8	1989
HIGHEST DAILY MEAN	1630	Jun 7	1660	May 18	3040	Jun 17 1995
LOWEST DAILY MEAN	24	Jul 30	23	Jul 27-29, Aug 2,3	8.4	Aug 26 1988
ANNUAL SEVEN-DAY MINIMUM	30	Jul 26	24	Jul 27	10	Aug 21 1988
INSTANTANEOUS PEAK FLOW	--		2060	May 18	3330	Jun 17 1995
INSTANTANEOUS PEAK STAGE	--		6.15	May 18	7.65[a]	Feb 25 1986
ANNUAL RUNOFF (AC-FT)	158500		96590		119400	
10 PERCENT EXCEEDS	613		243		371	
50 PERCENT EXCEEDS	98		81		96	
90 PERCENT EXCEEDS	53		36		45	

a From floodmarks, backwater from ice.
e Estimated.



06306250 PRAIRIE DOG CREEK NEAR ACME, WY

LOCATION.--Lat 44°59'02", long 106°50'21", in NE$^1/_4$SW$^1/_4$SW$^1/_4$ sec. 23, T.58 N., R.83 W., Sheridan County, Hydrologic Unit 10090101, on right bank 600 ft upstream from county bridge, 0.9 mi upstream from mouth, 2.8 mi downstream from Coutant Creek, and 7.6 mi northeast of Acme.

WATER-DISCHARGE RECORDS

DRAINAGE AREA.--358 mi^2.

PERIOD OF RECORD.--October 1970 to September 1979, June to September 2000. Records for May 1965 to September 1970 in files of Office of Wyoming State Engineer.

GAGE.--Water-stage recorder. Elevation of gage is 3,450 ft, from topographic map.

REMARKS.--Records good. Diversions for irrigation of about 13,600 acres above station, of which about 60 acres are below station. Flow supplemented by 3 transbasin diversions from North Piney Creek and South Piney Creek via Prairie Dog Creek ditch, Piney and Cruse ditch, and Mead-Coffeen ditch. Result of discharge measurement, in cubic feet per second, made during period when station was not in operation, is given below:

May 15. . . 11.6

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	41	11	25
2	---	---	---	---	---	---	---	---	---	35	9.0	26
3	---	---	---	---	---	---	---	---	---	26	9.7	23
4	---	---	---	---	---	---	---	---	---	21	9.5	20
5	---	---	---	---	---	---	---	---	---	21	13	18
6	---	---	---	---	---	---	---	---	---	16	18	19
7	---	---	---	---	---	---	---	---	---	17	20	18
8	---	---	---	---	---	---	---	---	---	11	19	20
9	---	---	---	---	---	---	---	---	---	6.0	19	22
10	---	---	---	---	---	---	---	---	---	2.8	20	23
11	---	---	---	---	---	---	---	---	---	2.8	20	22
12	---	---	---	---	---	---	---	---	---	2.6	21	23
13	---	---	---	---	---	---	---	---	---	2.2	21	23
14	---	---	---	---	---	---	---	---	e13	2.4	22	21
15	---	---	---	---	---	---	---	---	11	2.8	18	17
16	---	---	---	---	---	---	---	---	15	2.3	15	15
17	---	---	---	---	---	---	---	---	30	2.5	18	15
18	---	---	---	---	---	---	---	---	38	4.5	18	11
19	---	---	---	---	---	---	---	---	35	8.7	19	8.2
20	---	---	---	---	---	---	---	---	34	14	21	12
21	---	---	---	---	---	---	---	---	37	14	22	25
22	---	---	---	---	---	---	---	---	38	15	24	52
23	---	---	---	---	---	---	---	---	33	16	25	58
24	---	---	---	---	---	---	---	---	33	15	25	68
25	---	---	---	---	---	---	---	---	37	13	22	70
26	---	---	---	---	---	---	---	---	43	12	16	73
27	---	---	---	---	---	---	---	---	46	11	15	81
28	---	---	---	---	---	---	---	---	43	10	18	68
29	---	---	---	---	---	---	---	---	45	9.0	17	60
30	---	---	---	---	---	---	---	---	43	8.7	18	58
31	---	---	---	---	---	---	---	---	---	12	23	---
TOTAL	---	---	---	---	---	---	---	---	574	377.3	566.2	994.2
MEAN	---	---	---	---	---	---	---	---	33.8	12.2	18.3	33.1
MAX	---	---	---	---	---	---	---	---	46	41	25	81
MIN	---	---	---	---	---	---	---	---	11	2.2	9.0	8.2
AC-FT	---	---	---	---	---	---	---	---	1140	748	1120	1970

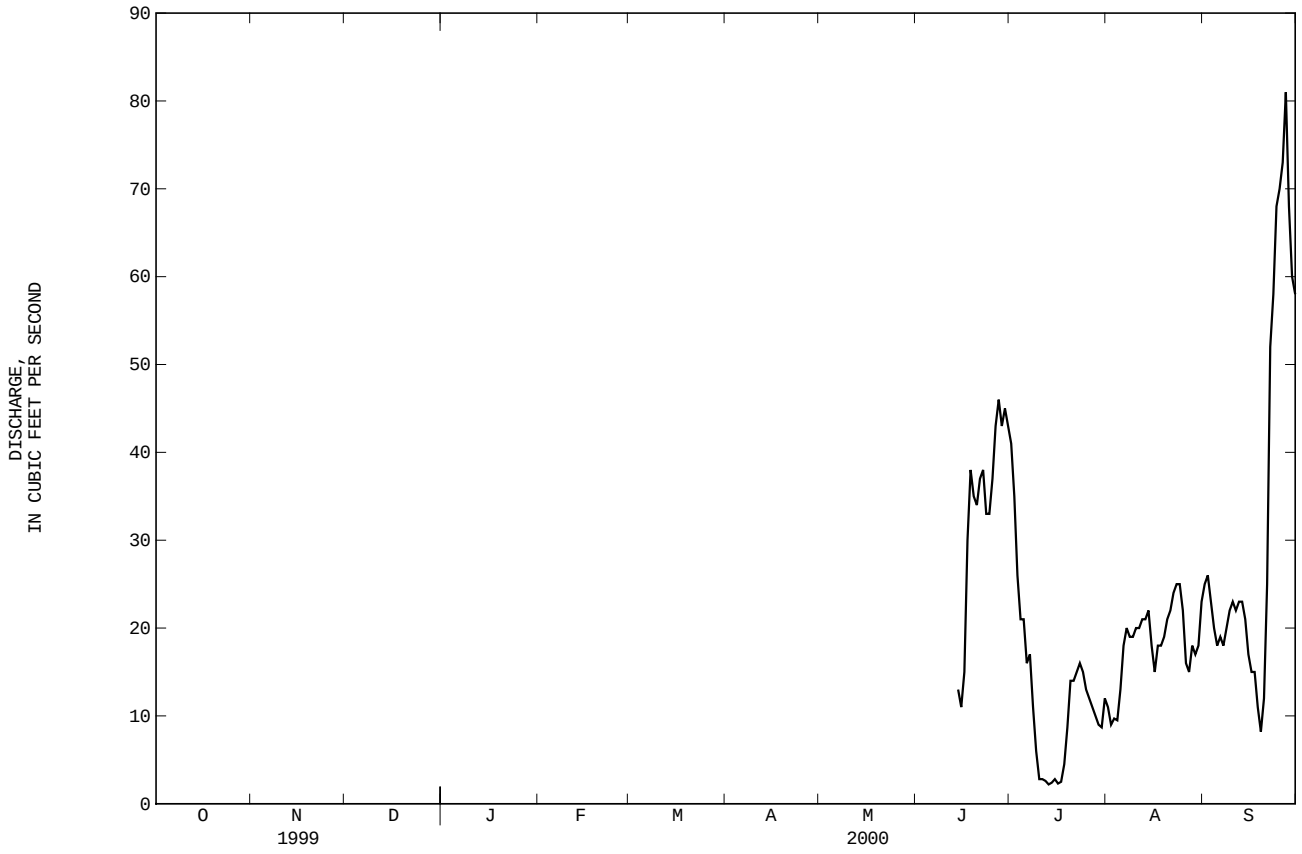
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2000, BY WATER YEAR (WY)*

MEAN	40.9	33.0	26.6	20.1	40.6	86.1	68.8	101	41.0	21.9	28.6	40.5
MAX	59.5	43.6	32.3	26.7	82.7	167	101	384	86.2	45.0	45.7	79.0
(WY)	1974	1974	1976	1974	1974	1972	1971	1978	1978	1975	1978	1973
MIN	22.3	24.7	22.2	13.5	18.4	36.5	43.7	26.8	21.8	10.4	10.2	18.7
(WY)	1976	1976	1977	1975	1978	1977	1976	1974	1974	1974	1971	1975

06306250 PRAIRIE DOG CREEK NEAR ACME, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1971 - 2000*	
ANNUAL MEAN	--		46.2	
HIGHEST ANNUAL MEAN	--		72.8	1978
LOWEST ANNUAL MEAN	--		35.0	1976
HIGHEST DAILY MEAN	81	Sep 27	3090	May 19 1978
LOWEST DAILY MEAN	2.2	Jul 13	2[a]	Jul 13 2000
INSTANTANEOUS PEAK FLOW	88	Sep 27	3940[b]	May 18 1978
INSTANTANEOUS PEAK STAGE	2.74	Sep 27	12.60[b]	May 18 1978
ANNUAL RUNOFF (AC-FT)	--		33440	

* During period of operation.
a From rating curve extended above 760 ft^3/s on basis of slope-area determination of peak flow.
b From floodmark.
e Estimated.



06306250 PRAIRIE DOG CREEK NEAR ACME, WY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1976-1992, April 2000 to September 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
MAY									
15...	1420	12	670	134	12.1	8.0	1400	22.0	14.0
AUG									
02...	1745	9.0	674	117	8.8	8.1	1780	32.0	23.0

DATE	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
MAY									
15...	620	117	80.4	6.7	2	89.5	246	3.8	.2
AUG									
02...	720	133	92.7	10.2	2	111	227	5.1	.2

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
MAY								
15...	12.2	540	1.51	36.0	1110	997	<10	104
AUG								
02...	13.2	683	1.84	33.0	1360	1190	E10	157

E Estimated.

06306300 TONGUE RIVER AT STATE LINE, NEAR DECKER, MT

LOCATION.--Lat 45°00'32", long 106°50'08", in $NW^1/_4NW^1/_4NE^1/_4$ sec.33, T.9 S., R.40 E., Big Horn County, Hydrologic Unit 10090101, on left bank 1 mi north of Wyoming-Montana State line, 1.4 mi southeast of Decker, 1.6 mi upstream from Badger Creek, and at river mile 200.9.

DRAINAGE AREA.--1,477 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1960 to current year. Records published as "near Decker" May 1928 to September 1938, not equivalent owing to intervening drainage area.

GAGE.--Water-stage recorder. Datum of gage is 3,429.14 ft above sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by many small reservoirs in Wyoming, combined capacity, about 15,000 acre-ft. Diversions for irrigation of about 64,300 acres upstream from station. U.S. Geological Survey satellite telemeter at station. Station operated and record provided by the Montana District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	292	216	201	e160	e130	e160	195	428	2130	562	97	100
2	302	210	198	e140	e200	e160	196	458	1910	511	91	108
3	329	179	197	e75	e130	e160	209	557	1600	489	98	100
4	313	198	193	e75	e120	e160	203	623	1500	463	93	92
5	313	215	172	e75	e160	e160	200	752	1470	431	89	85
6	302	214	e160	e140	e190	e180	214	927	1410	407	94	83
7	290	210	e140	e140	e190	e200	218	920	1310	371	109	88
8	283	206	e140	e130	e200	e250	212	938	1180	326	105	96
9	267	202	e120	e140	e250	e250	196	778	1100	283	98	106
10	260	198	e140	e140	e160	e250	197	720	1150	260	101	102
11	252	195	e170	e140	e120	266	202	669	1100	247	99	101
12	254	197	e160	e130	e140	252	196	629	938	221	104	105
13	247	194	e130	e120	e140	248	196	589	842	207	106	107
14	240	185	e160	e140	e140	231	208	550	843	195	109	105
15	237	179	e160	e140	e140	232	224	536	787	186	107	96
16	236	180	e180	e160	e140	228	220	547	948	176	103	86
17	239	177	e170	e150	e140	209	212	870	911	172	106	90
18	226	188	e170	e140	e140	228	208	3210	784	167	110	84
19	251	209	e140	e150	e140	223	221	3200	672	193	108	88
20	243	198	e140	e150	e160	220	287	2610	684	206	113	104
21	241	193	e150	e160	e160	209	274	2250	725	208	115	150
22	242	192	e180	e180	e160	200	277	2080	660	203	117	185
23	239	164	e160	e160	e180	207	307	2100	597	180	112	228
24	230	e140	e150	e150	e180	210	360	2140	601	161	104	248
25	224	e160	e140	e160	e180	215	372	2170	680	145	100	246
26	224	175	e140	e180	e140	208	341	2140	701	135	90	253
27	224	204	e160	e180	e160	212	338	2120	684	121	86	244
28	221	206	e150	e160	e160	210	323	1960	672	113	95	225
29	220	194	e150	e130	e160	209	376	2040	643	106	95	209
30	218	190	e160	e120	---	207	497	2220	619	99	92	201
31	211	---	e170	e120	---	202	---	2170	---	99	94	---
TOTAL	7870	5768	4951	4335	4610	6556	7679	43901	29851	7643	3140	4115
MEAN	254	192	160	140	159	211	256	1416	995	247	101	137
MAX	329	216	201	180	250	266	497	3210	2130	562	117	253
MIN	211	140	120	75	120	160	195	428	597	99	86	83
AC-FT	15610	11440	9820	8600	9140	13000	15230	87080	59210	15160	6230	8160

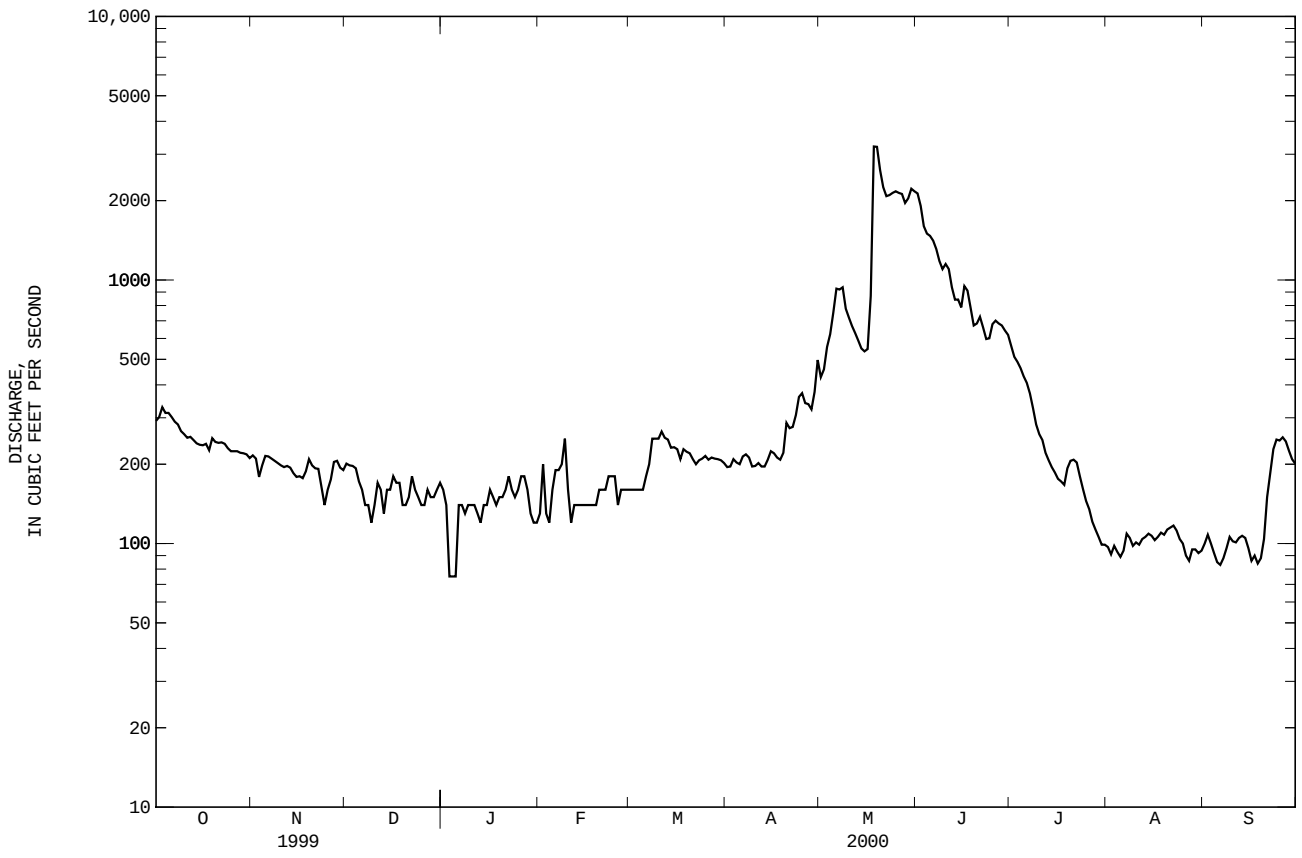
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2000, BY WATER YEAR (WY)

MEAN	258	227	182	180	233	310	364	1178	1707	480	182	223
MAX	403	324	271	330	672	855	676	3283	3570	1674	475	615
(WY)	1969	1974	1976	1974	1971	1972	1977	1978	1978	1975	1968	1968
MIN	116	133	102	95.9	84.5	129	124	439	342	87.5	16.5	74.2
(WY)	1961	1989	1985	1985	1989	1961	1961	1989	1966	1961	1961	1966

06306300 TONGUE RIVER AT STATE LINE, NEAR DECKER, MT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1961 - 2000	
ANNUAL TOTAL	174135		130419		--	
ANNUAL MEAN	477		356		460	
HIGHEST ANNUAL MEAN	--		--		862	1978
LOWEST ANNUAL MEAN	--		--		187	1961
HIGHEST DAILY MEAN	3270	Jun 7	3210	May 18	15400	May 19 1978
LOWEST DAILY MEAN	65	Aug 27	75	Jan 3-5	5.4	Aug 24 1961
ANNUAL SEVEN-DAY MINIMUM	74	Aug 23	93	Sep 3	7.2	Aug 22 1961
INSTANTANEOUS PEAK FLOW	--		3890	May 18	17500	May 12 1978
INSTANTANEOUS PEAK STAGE	--		7.87	May 18	14.25	May 12 1978
ANNUAL RUNOFF (AC-FT)	345400		258700		333500	
10 PERCENT EXCEEDS	1290		780		1100	
50 PERCENT EXCEEDS	212		198		240	
90 PERCENT EXCEEDS	120		104		120	

e Estimated.



06306300 TONGUE RIVER AT STATE LINE, NEAR DECKER, MT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1965 to September 1976, November 1980 to December 1986.
WATER TEMPERATURE: October 1965 to September 1976.

REMARKS.--Unpublished records for many days of instantaneous water temperature and specific conductance are available in files of the Montana District office.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE (water years 1966-76, 1981-87): Maximum daily, 1,490 microsiemens per centimeter (mS/cm) at 25.0°C, Aug. 12, 1966, Jan. 11, 1972; minimum daily, 192 microsiemens per centimeter (mS/cm) at 25.0°C, June 7, 1976.
WATER TEMPERATURE (water years 1966-76): Maximum, 30.5°C, July 16, 1966; minimum, 0.0°C on many days during winter.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT											
14...	1700	241	666	--	--	8.7	629	17.0	12.5	290	57.4
JAN											
05...	0820	74	692	88	11.7	8.2	818	1.0	.0	360	70.6
MAY											
15...	1115	519	670	126	11.8	7.9	348	25.5	12.5	130	28.7
JUN											
21...	0800	725	673	143	13.1	7.8	362	13.0	13.5	150	34.3
JUL											
25...	1335	146	679	131	9.8	8.3	587	32.0	24.0	210	43.8
AUG											
02...	0800	90	674	70	5.4	8.0	724	20.5	22.0	290	57.2
SEP											
12...	0750	103	675	80	7.2	8.4	819	10.5	14.5	370	71.0

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT										
14...	35.0	2.5	.6	23.5	208	--	3.0	.2	4.6	125
JAN										
05...	44.5	2.8	1	41.6	249	--	4.7	.3	8.8	179
MAY										
15...	13.3	1.1	.4	10.5	130	128	1.8	.1	7.8	58.1
JUN										
21...	16.5	1.5	.4	11.3	--	135	1.7	.1	8.0	51.4
JUL										
25...	24.6	2.2	.6	21.5	201	201	3.0	.2	3.1	108
AUG										
02...	35.6	1.6	.9	35.0	241	238	3.8	.3	6.9	149
SEP										
12...	46.0	4.2	1	42.4	264	260	4.4	.1	6.6	187

DATE	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT										
14...	--	--	--	--	--	.51	245	376	--	--
JAN										
05...	--	--	--	--	--	.68	100	502	--	--
MAY										
15...	--	--	--	--	--	.27	278	199	--	--
JUN										
21...	.36	.034	.001	.007	.068	.28	403	206	68	133
JUL										
25...	.29	<.005	.001	.003	.023	.44	129	327	78	31
AUG										
02...	.36	.015	.001	.004	.027	.59	105	432	64	16
SEP										
12...	.44	.014	.014	<.001	.026	.70	144	518	103	29

06309200 MIDDLE FORK POWDER RIVER NEAR BARNUM, WY

LOCATION.--Lat 43°34'40", long 107°08'16", in SE$^1/_4$ SW$^1/_4$ NE$^1/_4$ sec.26, T.42 N., R.86 W., Washakie County, Hydrologic Unit 10090201, on left bank 1,100 ft downstream from Rock Creek and 13 mi southwest of Barnum.

DRAINAGE AREA.--45.2 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 7,220 ft above sea level, from topographic map. Prior to Oct. 1, 1970, at site 1,000 ft upstream at different datum. Oct. 1, 1970 to Aug. 17, 1987, at site 100 ft upstream at datum 6.78 ft higher (gage operated concurrently with present site Sept. 15, 1983 to Aug. 17, 1987).

REMARKS.--Records good except those for estimated daily discharges, which are poor. No diversion upstream from station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 5	1815	*408	*7.80
May 20	1615	342	7.57

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	7.2	6.9	6.6	7.0	9.4	9.6	95	69	17	8.7	7.0
2	8.0	e6.6	e6.4	6.6	7.0	9.5	9.6	139	62	18	8.7	7.0
3	7.8	e6.8	e6.8	6.6	7.0	9.5	11	190	57	16	9.0	7.0
4	7.7	e7.0	e6.2	6.6	7.0	9.5	11	230	52	15	8.7	7.0
5	7.4	7.4	e5.2	6.6	7.0	9.5	12	281	48	15	9.0	6.9
6	7.4	7.2	e5.4	6.6	7.0	9.5	13	249	43	14	9.0	6.6
7	7.2	7.0	e6.0	6.6	7.1	9.6	e11	209	39	14	8.7	6.6
8	7.0	7.0	e6.4	6.6	7.4	9.6	e10	155	36	14	8.7	6.6
9	6.8	7.2	e6.2	6.6	7.4	e9.2	e11	131	35	14	8.7	6.6
10	6.6	7.3	e6.0	6.6	7.4	9.6	13	123	33	13	8.5	6.6
11	6.6	7.4	e6.0	6.6	7.4	e9.2	14	117	30	14	8.2	6.6
12	6.6	7.4	e6.2	6.6	7.4	e9.0	16	93	28	13	8.2	6.6
13	6.6	7.4	e6.4	6.3	7.6	e8.8	20	88	38	12	8.2	6.6
14	6.8	7.4	e6.6	6.3	7.8	e9.4	22	89	29	12	8.2	6.3
15	7.0	7.1	e6.6	6.3	7.4	10	20	90	33	12	8.2	6.3
16	7.0	6.6	e6.8	6.3	e7.2	e9.2	17	111	34	12	8.3	6.3
17	8.3	6.6	e7.0	6.3	7.8	9.5	19	192	27	12	7.8	6.3
18	8.8	6.2	7.0	6.3	7.8	9.7	26	197	24	12	7.8	6.6
19	8.4	e6.0	7.0	6.3	e7.0	10	35	213	27	12	7.8	8.4
20	7.8	e6.2	7.0	6.3	e7.8	11	31	252	52	11	7.7	9.7
21	7.8	e6.0	7.0	6.5	8.3	e10	35	224	28	11	7.4	8.3
22	7.8	e6.0	7.0	6.6	8.2	e9.6	40	225	24	10	7.4	8.0
23	7.6	e5.8	6.8	e6.4	8.4	9.9	41	201	21	9.8	7.4	7.9
24	7.4	e5.4	6.6	6.8	8.2	9.6	44	168	21	9.5	7.4	8.2
25	7.4	e6.4	6.6	6.6	8.3	e9.2	36	147	20	9.4	7.4	8.0
26	7.4	e7.4	6.6	6.6	e7.8	9.9	38	136	20	9.2	7.4	7.8
27	7.4	7.4	6.6	7.0	e7.6	10	44	123	27	9.2	7.4	7.3
28	7.4	e7.2	6.6	7.0	e8.0	11	72	105	20	9.1	7.3	7.0
29	7.4	e7.4	6.6	7.0	e9.0	11	99	95	18	9.1	7.0	7.0
30	7.3	7.4	6.6	7.0	---	10	83	87	18	9.1	7.0	6.9
31	7.2	---	6.6	7.0	---	10	---	80	---	8.9	7.0	---
TOTAL	229.7	205.4	201.7	204.1	220.3	300.9	863.2	4835	1013	376.3	248.2	214.0
MEAN	7.41	6.85	6.51	6.58	7.60	9.71	28.8	156	33.8	12.1	8.01	7.13
MAX	8.8	7.4	7.0	7.0	9.0	11	99	281	69	18	9.0	9.7
MIN	6.6	5.4	5.2	6.3	7.0	8.8	9.6	80	18	8.9	7.0	6.3
AC-FT	456	407	400	405	437	597	1710	9590	2010	746	492	424

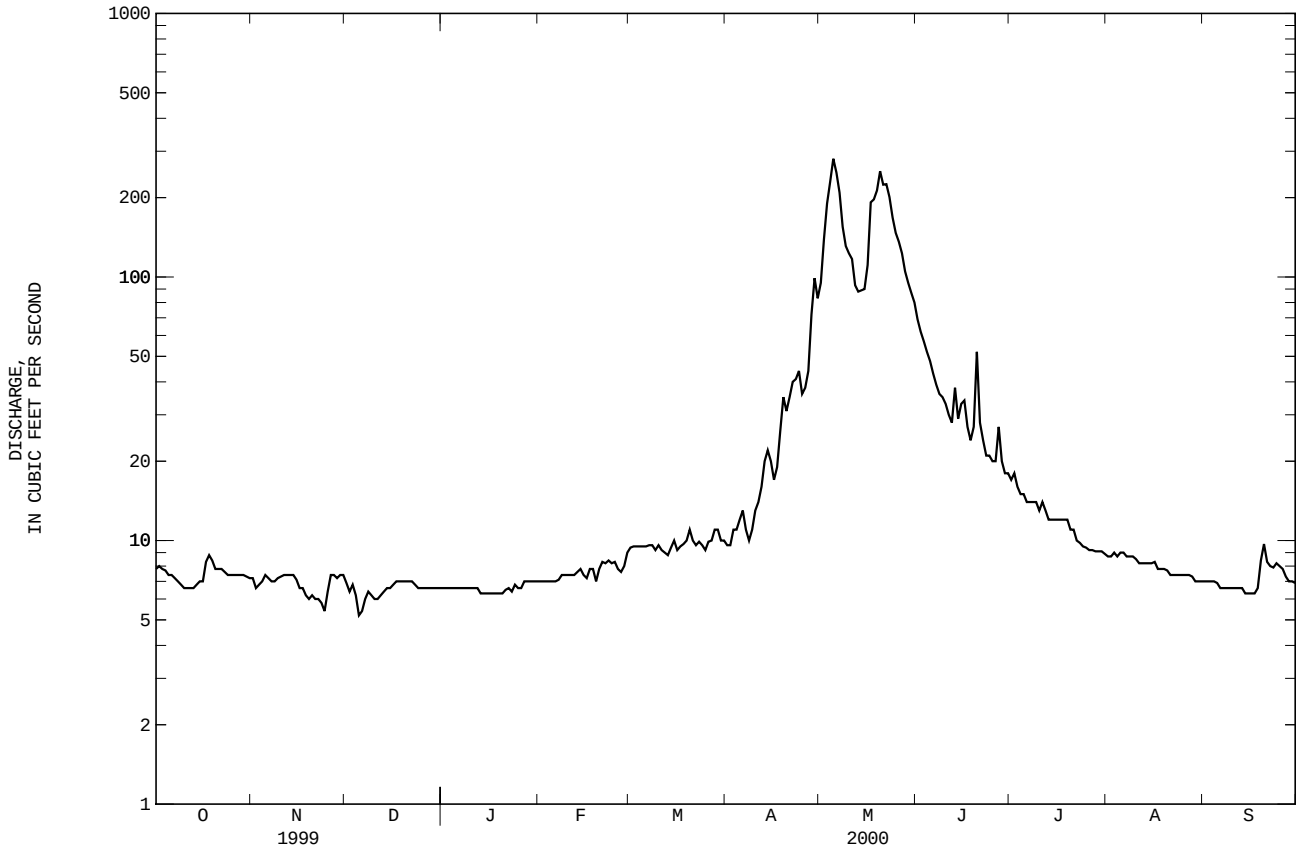
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2000, BY WATER YEAR (WY)

MEAN	7.18	6.67	5.78	5.23	5.39	6.78	34.6	163	93.9	18.6	8.81	7.40
MAX	15.1	22.9	10.3	7.78	10.1	14.2	106	326	299	39.9	18.3	17.0
(WY)	1999	1999	1999	1983	1969	1972	1987	1999	1975	1975	1968	1968
MIN	2.45	2.00	2.75	2.48	3.74	4.05	8.00	56.2	18.1	7.26	4.34	4.16
(WY)	1963	1963	1962	1962	1989	1965	1970	1992	1985	1974	1966	1969

06309200 MIDDLE FORK POWDER RIVER NEAR BARNUM, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1962 - 2000	
ANNUAL TOTAL	17932.7		8911.8		--	
ANNUAL MEAN	49.1		24.3		30.4	
HIGHEST ANNUAL MEAN	--		--		51.4	1999
LOWEST ANNUAL MEAN	--		--		13.1	1989
HIGHEST DAILY MEAN	954	Apr 29	281	May 5	954	Apr 29 1999
LOWEST DAILY MEAN	5.2	Dec 5	5.2	Dec 5	1.0	Dec 15 1964
ANNUAL SEVEN-DAY MINIMUM	5.9	Dec 5	5.9	Dec 5	1.2	Jan 22 1966
INSTANTANEOUS PEAK FLOW	--		408	May 5	7110[a]	Jun 15 1963
INSTANTANEOUS PEAK STAGE	--		7.80	May 5	12.60[b]	Jun 15 1963
INSTANTANEOUS LOW FLOW	--		--		1.0	Dec 15 1964
ANNUAL RUNOFF (AC-FT)	35570		17680		22030	
10 PERCENT EXCEEDS	153		58		78	
50 PERCENT EXCEEDS	8.7		8.0		7.3	
90 PERCENT EXCEEDS	6.6		6.6		4.6	

a On basis of slope-area measurement of peak flow.
b From floodmark, site and datum then in use.
e Estimated.



06311000 NORTH FORK POWDER RIVER NEAR HAZELTON, WY

LOCATION.--Lat 44°01'40", long 107°04'49", in SW$^1/_4$ SE$^1/_4$ NW$^1/_4$ sec.21, T.47 N., R.85 W., Johnson County, Hydrologic Unit 10090201, on left bank 0.5 mi upstream from Dullknife Reservoir, 0.6 mi downstream from Twin Creek, 7.2 mi southwest of Hazelton, and 19 mi northwest of Mayoworth.

DRAINAGE AREA.--24.5 mi^2.

PERIOD OF RECORD.--September 1946 to current year. Monthly discharge only for some periods, published in WSP 1309.

REVISED RECORDS.--WSP 1279: 1947-48(M), 1949, 1950-51(M), 1952. WDR WY-98: 1997.

GAGE.--Water-stage recorder. Elevation of gage is 8,180 ft above sea level, from topographic map. Prior to Oct. 1, 1966, at site 0.7 mi downstream at different datum. Oct. 1, 1966 to Aug. 26, 1986, at site 0.1 mi upstream at different datum.

REMARKS.--Records fair except those for May 3 to July 7 and those for estimated daily discharges, which are poor. No diversion upstream from station.

EXTREMES FOR CURRENT YEAR.--No peak discharges greater than base discharge of 190 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.5	3.9	e3.2	e2.5	e2.4	e1.6	e1.8	e45	47	21	5.1	3.9
2	5.1	e3.7	e3.1	e2.5	e2.4	e1.6	e1.9	e55	46	19	5.1	3.8
3	5.1	e3.7	e3.1	e2.5	e2.4	e1.6	e2.0	e70	44	18	4.9	3.3
4	4.8	3.7	e3.0	e2.5	e2.4	e1.6	e2.1	94	44	18	4.8	3.1
5	4.5	3.8	e2.5	e2.5	e2.4	e1.6	e2.3	96	42	17	5.0	3.1
6	4.5	3.5	e2.6	e2.5	e2.3	e1.6	e2.5	71	38	16	e4.8	3.1
7	4.4	3.4	e2.7	e2.5	e2.2	e1.6	e2.7	62	36	16	e4.6	3.3
8	4.2	e3.3	e2.7	e2.5	e2.1	e1.6	e2.5	61	36	e15	e4.4	3.1
9	4.0	3.2	e2.7	e2.5	e2.1	e1.6	e2.6	63	34	e14	e4.3	3.0
10	3.9	e3.2	e2.6	e2.5	e2.1	e1.6	e2.9	64	34	e13	4.3	3.0
11	3.9	e3.1	e2.6	e2.5	e2.1	e1.6	e3.3	62	30	e12	4.2	3.0
12	3.7	e3.0	e2.6	e2.5	e2.1	e1.6	e3.7	57	29	e11	4.2	3.1
13	3.7	e3.0	e2.5	e2.5	e2.1	e1.6	e4.0	80	37	e10	4.0	2.9
14	3.6	e2.9	e2.5	e2.5	e2.1	e1.6	e4.5	76	37	e9.0	3.8	2.9
15	3.6	e2.8	e2.5	e2.5	e2.1	e1.6	e4.2	98	41	e8.0	3.7	2.8
16	3.0	e3.0	e2.5	e2.5	e2.0	e1.6	e4.0	118	42	e7.6	3.8	2.7
17	4.6	e2.8	e2.5	e2.5	e1.9	e1.6	e4.5	142	34	e7.6	3.7	2.7
18	4.1	e2.7	e2.5	2.5	e1.8	e1.6	e6.0	114	32	e10	3.7	2.8
19	4.6	e2.7	e2.5	2.7	e1.8	e1.6	e8.0	116	36	7.7	3.7	3.5
20	5.0	e2.7	e2.5	2.6	e1.8	e1.6	e10	108	49	6.9	3.6	3.7
21	4.7	e2.8	e2.5	2.6	e1.8	e1.6	e15	104	34	6.5	3.5	3.5
22	4.6	e2.8	e2.5	2.5	e1.8	e1.6	e14	110	28	6.1	3.4	4.0
23	4.5	e2.9	e2.5	2.5	e1.8	e1.6	e20	105	27	5.9	3.4	3.6
24	4.7	e3.1	e2.5	2.5	e1.8	e1.7	e25	101	26	5.7	3.3	4.0
25	4.0	e3.3	e2.5	2.5	e1.8	e1.7	e20	80	27	5.5	3.3	4.2
26	3.9	e3.4	e2.5	2.5	e1.8	e1.8	e21	81	26	5.4	3.3	e4.1
27	3.8	e3.5	e2.5	2.5	e1.7	e1.9	e23	78	31	5.5	3.4	e4.0
28	3.5	e3.5	e2.5	2.5	e1.7	e1.9	e26	67	26	5.5	3.1	e3.8
29	2.9	e3.4	e2.5	2.5	e1.6	e1.8	e33	63	22	5.4	3.1	e3.7
30	3.6	e3.3	e2.5	e2.5	---	e1.8	e30	57	21	5.5	3.2	e3.7
31	4.2	---	e2.5	e2.5	---	e1.8	---	52	---	5.5	3.8	---
TOTAL	129.2	96.1	80.9	77.9	58.4	51.2	302.5	2550	1036	319.3	122.5	101.4
MEAN	4.17	3.20	2.61	2.51	2.01	1.65	10.1	82.3	34.5	10.3	3.95	3.38
MAX	5.1	3.9	3.2	2.7	2.4	1.9	33	142	49	21	5.1	4.2
MIN	2.9	2.7	2.5	2.5	1.6	1.6	1.8	45	21	5.4	3.1	2.7
AC-FT	256	191	160	155	116	102	600	5060	2050	633	243	201

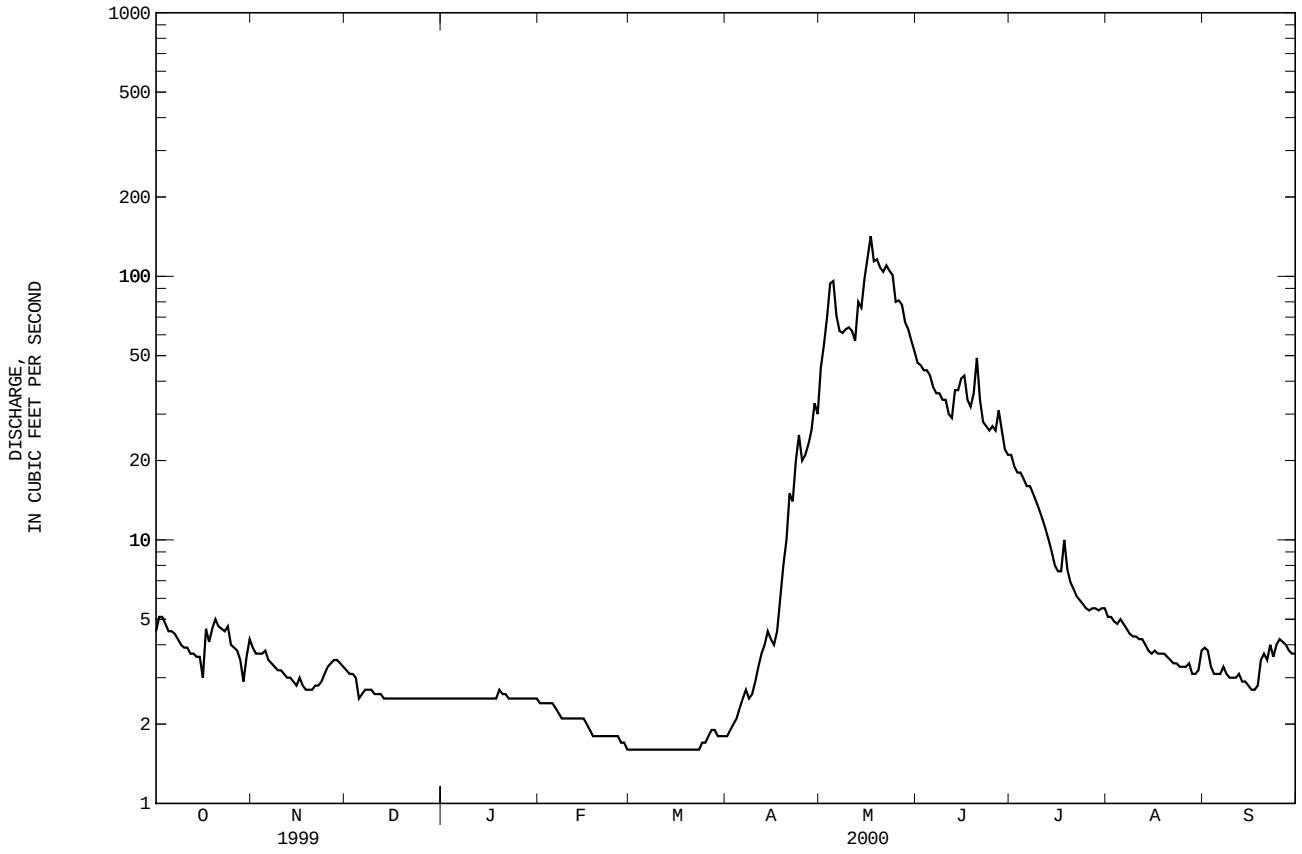
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2000, BY WATER YEAR (WY)

MEAN	4.38	3.53	2.83	2.32	2.15	2.26	9.16	61.2	65.0	17.3	7.10	5.05
MAX	10.4	10.1	6.96	4.50	4.00	4.99	35.7	119	178	46.8	13.3	9.74
(WY)	1983	1983	1983	1958	1958	1960	1987	1947	1967	1975	1997	1982
MIN	2.03	1.70	1.41	.80	1.00	1.19	1.09	23.4	13.2	4.88	2.85	2.47
(WY)	1961	1981	1967	1949	1959	1967	1961	1972	1960	1960	1960	1960

06311000 NORTH FORK POWDER RIVER NEAR HAZELTON, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1946 - 2000	
ANNUAL TOTAL	8507.8		4925.4		--	
ANNUAL MEAN	23.3		13.5		15.2	
HIGHEST ANNUAL MEAN	--		--		26.7	1967
LOWEST ANNUAL MEAN	--		--		6.91	1961
HIGHEST DAILY MEAN	250	May 27	142	May 17	354	Jun 15 1953
LOWEST DAILY MEAN	2.5	Many days	1.6	Many days	.60[a]	Oct 30 1960
ANNUAL SEVEN-DAY MINIMUM	2.5	Dec 13	1.6	Many days	.64	Apr 12 1961
INSTANTANEOUS PEAK FLOW	--		179	May 16	886[b]	Jun 15 1953
INSTANTANEOUS PEAK STAGE	--		3.71	May 16	6.21[c]	May 14 1984
INSTANTANEOUS LOW FLOW	--		--		.60	Oct 30 1960
ANNUAL RUNOFF (AC-FT)	16880		9770		11030	
10 PERCENT EXCEEDS	71		43		44	
50 PERCENT EXCEEDS	4.1		3.5		3.9	
90 PERCENT EXCEEDS	2.8		1.8		1.9	

a May have been less during winter months of water years 1947 and 1948.
b Gage height, 4.34 ft, site and datum then in use, from rating curve extended above 110 ft^3/s, on basis of slope-area measurement of peak flow.
c Backwater from ice, site and datum then in use.
e Estimated.



06311400 NORTH FORK POWDER RIVER BELOW PASS CREEK, NEAR MAYOWORTH, WY

LOCATION.--Lat 43°54'41", long 106°53'20", in NW$^1/_4$ NE$^1/_4$ SE$^1/_4$ sec.36, T.46 N., R.84 W., Johnson County, Hydrologic Unit 10090201, on left bank 0.8 mi downstream from Pass Creek, 1.2 mi upstream from Hat Ranch, 7.2 mi northwest of Mayoworth, and 13 mi downstream from Dullknife Reservoir.

DRAINAGE AREA.--100 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 5,700 ft above sea level, from topographic map. Prior to Sept. 15, 1983, at site 60 ft downstream at same datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Some regulation for irrigation by Dullknife Reservoir 13 mi upstream, capacity, 4,350 acre-ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	23	22	22	21	22	21	25	71	34	44	35
2	24	23	22	22	24	22	21	26	68	32	43	35
3	24	23	22	e22	23	22	21	27	63	30	43	37
4	24	23	22	e21	e23	21	21	26	60	29	43	38
5	24	23	22	22	23	21	21	27	58	29	43	38
6	24	23	22	21	22	21	21	27	58	29	42	39
7	24	23	23	21	22	21	21	25	56	28	41	39
8	24	23	23	21	22	21	21	25	53	30	41	39
9	24	23	22	21	22	21	21	24	51	35	40	38
10	24	23	22	21	22	21	21	24	50	39	40	36
11	24	23	22	21	22	21	21	26	48	36	40	36
12	24	23	22	21	22	21	21	25	46	36	40	36
13	25	23	22	21	22	21	21	24	45	36	36	35
14	24	23	22	21	22	21	21	28	46	36	31	35
15	24	23	22	21	22	21	22	37	45	46	29	34
16	24	23	22	21	22	21	22	39	47	55	29	34
17	25	23	22	21	22	21	21	59	48	58	29	34
18	25	24	22	21	22	21	21	76	45	62	28	34
19	25	23	e22	21	22	21	23	71	42	63	28	30
20	25	23	e21	21	21	21	23	61	46	63	29	28
21	24	23	22	21	21	21	25	53	51	64	29	27
22	24	22	22	21	21	21	27	56	46	61	29	26
23	24	21	22	21	21	21	27	92	41	59	29	26
24	24	21	22	21	21	21	27	93	39	58	29	26
25	24	21	22	21	22	21	25	93	38	58	29	26
26	24	21	22	21	22	21	25	88	36	58	29	25
27	24	21	22	e21	22	21	25	88	36	58	30	25
28	24	21	22	21	22	21	25	82	39	58	34	24
29	24	21	22	e20	22	21	29	78	38	58	35	24
30	24	22	22	e20	---	21	27	75	36	52	35	25
31	24	---	22	20	---	21	---	73	---	47	35	---
TOTAL	749	675	683	652	637	654	688	1573	1446	1437	1082	964
MEAN	24.2	22.5	22.0	21.0	22.0	21.1	22.9	50.7	48.2	46.4	34.9	32.1
MAX	25	24	23	22	24	22	29	93	71	64	44	39
MIN	24	21	21	20	21	21	21	24	36	28	28	24
AC-FT	1490	1340	1350	1290	1260	1300	1360	3120	2870	2850	2150	1910

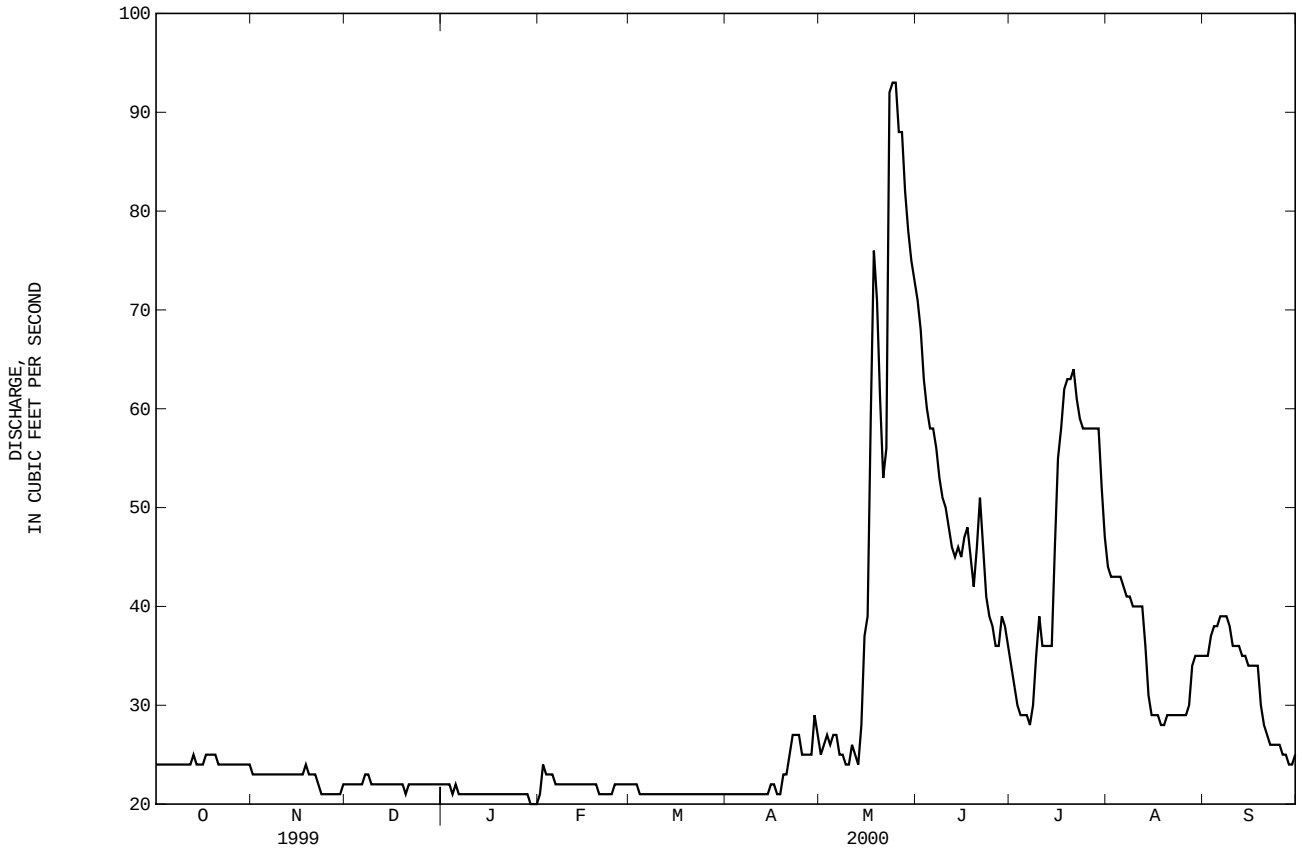
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2000, BY WATER YEAR (WY)

MEAN	21.9	19.5	18.9	18.4	18.1	18.1	27.3	79.5	92.2	46.7	39.5	32.6
MAX	31.5	25.3	23.1	21.0	22.0	21.1	47.9	176	193	80.5	52.4	53.8
(WY)	1983	1999	1977	2000	2000	2000	1977	1978	1995	1975	1998	1997
MIN	16.1	15.8	14.9	15.1	14.2	14.6	16.9	25.5	39.7	30.8	26.1	20.0
(WY)	1990	1990	1991	1991	1991	1991	1993	1980	1994	1977	1985	1974

06311400 NORTH FORK POWDER RIVER BELOW PASS CREEK, NEAR MAYOWORTH, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1974 - 2000	
ANNUAL TOTAL	18110		11240		--	
ANNUAL MEAN	49.6		30.7		36.1	
HIGHEST ANNUAL MEAN	--		--		51.6	1978
LOWEST ANNUAL MEAN	--		--		25.4	1989
HIGHEST DAILY MEAN	378	May 27	93	May 24,25	379	Jun 5 1995
LOWEST DAILY MEAN	18	Jan 3,23,24, Feb 11	20	Jan 29-31	9.5	Feb 6 1991
ANNUAL SEVEN-DAY MINIMUM	19	Jan 8	21	Jan 25	11	Feb 5 1991
INSTANTANEOUS PEAK FLOW	--		152	May 17	1590[a]	Aug 1 1984
INSTANTANEOUS PEAK STAGE	--		4.49	May 17	8.89[b]	Aug 1 1984
ANNUAL RUNOFF (AC-FT)	35920		22290		26170	
10 PERCENT EXCEEDS	111		53		64	
50 PERCENT EXCEEDS	24		24		21	
90 PERCENT EXCEEDS	20		21		17	

a From rating curve extended above 400 ft^3/s on basis of slope-area measurement of peak flow.
b From floodmarks.
e Estimated.



06313400 SALT CREEK NEAR SUSSEX, WY

LOCATION.--Lat 43°37'19", long 106°22'04", in NE$^1/_4$ NE$^1/_4$ SE$^1/_4$ sec.8, T.42 N., R.79 W., Johnson County, Hydrologic Unit 10090204, on left bank 200 ft upstream from bridge on West Sussex Dugout oil field road, 6.3 mi southwest of Sussex, and 12.6 mi upstream from mouth.

DRAINAGE AREA.--769 mi^2.

PERIOD OF RECORD.--Water years 1949, 1952, 1968 to 1981, October 1982 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
NOV												
04...	0840	16	--	--	--	8.2	6490	8.0	1.5	760	180	75.1
FEB												
02...	0900	11	654	84	10.3	7.8	6930	4.0	.0	860	204	84.9
MAY												
10...	0855	16	645	96	8.8	8.1	6450	16.0	10.5	720	157	80.1
AUG												
16...	1200	8.8	654	100	7.6	8.4	6290	27.0	20.0	430	77.1	56.5

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
NOV											
04...	31.8	18	1130	360	1100	2.7	31.5	1480	5.76	183	4230
FEB											
02...	34.5	19	1290	525	1150	2.9	34.8	1600	6.41	140	4710
MAY											
10...	30.9	17	1050	328	971	2.5	21.0	1650	5.66	180	4160
AUG											
16...	35.1	25	1190	324	1210	3.3	24.5	1110	5.30	92.7	3900

06313500 POWDER RIVER AT SUSSEX, WY

LOCATION.--Lat 43°41'44", long 106°18'24", in $SW^1/_4$ $SW^1/_4$ $NW^1/_4$ sec.13, T.43 N., R.79 W., Johnson County, Hydrologic Unit 10090202, 0.5 mi upstream from bridge on State Highway 192, 0.6 mi west of Sussex, and 2.7 mi downstream from Salt Creek.

DRAINAGE AREA.--3,090 mi^2.

PERIOD OF RECORD.--Water years 1949-53, 1967-68, 1976 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January 1983 to September 1984.
WATER TEMPERATURE: October 1982 to September 1984.
SUSPENDED-SEDIMENT DISCHARGE: May 1983 to September 1984.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
NOV												
04...	1105	129	--	--	--	8.3	2120	14.0	3.0	560	140	50.5
FEB												
02...	1050	111	658	114	14.2	7.9	2270	5.0	.0	640	159	58.8
MAY												
10...	1100	121	646	98	9.2	8.0	1200	17.5	10.5	290	69.5	26.9
AUG												
16...	1400	9.3	660	116	8.4	8.2	5810	28.0	23.0	650	134	77.2

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
NOV												
04...	6.9	4	234	221	--	166	.6	9.1	646	1.89	483	1390
FEB												
02...	7.7	5	265	269	--	183	.7	13.6	672	2.07	457	1520
MAY												
10...	4.4	3	135	144	--	85.4	.5	9.6	336	1.03	246	754
AUG												
16...	27.1	16	925	--	262	961	2.1	17.2	1310	4.92	90.8	3620

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
NOV												
04...	7	<1	<2.0	44	<1	257	<1.0	E.7	<1	3	<30	<1
FEB												
02...	7	<1	<2.0	50	<1	266	<1.0	<.8	<1	3	<30	<1
MAY												
10...	<13	<1	<2.0	38	<1	146	<1.0	<.8	<1	2	<10	<1
AUG												
16...	3	1	2.0	57	<1	1220	<1.0	<.8	<1	8	<30	<1

DATE	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
NOV											
04...	90.3	13	<.2	1	3	E1.7	<1	1850	<30	4	6
FEB											
02...	109	15	<.2	2	4	2.7	<1	2090	<30	3	7
MAY											
10...	59.2	4	<.2	1	2	<2.4	<1	900	<10	<3	3
AUG											
16...	376	103	<.2	3	<1	2.5	<1	2960	<30	8	8

E Estimated.

06313700 DEAD HORSE CREEK NEAR BUFFALO, WY

LOCATION.--Lat 44°12'54", long 106°06'41", in NW$^1/_4$ SE$^1/_4$ SW$^1/_4$ sec. 15, T.49 N., R.77 W., Johnson County, Hydrologic Unit 10090202, on left bank 250 ft downstream from bridge on dirt road, 0.80 mi upstream from Interstate Highway 90, 5.3 mi upstream from mouth, and 31 mi east of Buffalo.

DRAINAGE AREA.--151 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximum, water years 1958-71, October 1971 to September 1990, April to September 2000.

GAGE.--Water-stage recorder. Elevation of gage is 3,970 ft above sea level, from topographic map. Oct. 1, 1958 to Sept. 30, 1971, crest-stage at site 250 ft upstream at present datum. Nov. 24, 1971 to July 15, 1976, water-stage recorder at site 0.3 mi upstream at different datum. July 16, 1976 to July 18, 1984, at site 250 ft upstream at present datum.

REMARKS.--Records poor. Natural flow of stream affected by numerous small reservoirs and diversions for irrigation and coalbed methane production water.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft^3/s and maximum(*):

Date	Time	Discharge (ft 3/s)	Gage height (ft)
May 16	2250	*390	*9.45
July 17	1805	317	8.99
Aug 3	2205	356	9.25

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	.05	2.9	5.2	.00	.00
2	---	---	---	---	---	---	---	.04	2.1	3.9	.00	.00
3	---	---	---	---	---	---	---	.04	1.5	2.3	29	.00
4	---	---	---	---	---	---	---	.03	.91	1.4	50	.00
5	---	---	---	---	---	---	---	.02	.43	.71	13	.00
6	---	---	---	---	---	---	---	.03	.14	.21	6.3	.00
7	---	---	---	---	---	---	---	.06	.03	.08	2.6	.00
8	---	---	---	---	---	---	---	.10	.00	.00	.44	.00
9	---	---	---	---	---	---	---	.08	.00	.00	.02	.00
10	---	---	---	---	---	---	---	.07	.00	.00	.00	.00
11	---	---	---	---	---	---	---	.10	.00	.00	.00	.00
12	---	---	---	---	---	---	---	.08	.00	.00	.00	.00
13	---	---	---	---	---	---	---	.05	.00	.00	.00	.00
14	---	---	---	---	---	---	---	.05	.00	.00	.00	.00
15	---	---	---	---	---	---	---	.04	.00	.00	.00	.00
16	---	---	---	---	---	---	---	24	.00	.00	.00	.00
17	---	---	---	---	---	---	---	82	.00	39	.00	.00
18	---	---	---	---	---	---	.06	38	.00	48	.00	.00
19	---	---	---	---	---	---	.14	24	.00	56	.00	.00
20	---	---	---	---	---	---	.09	25	.00	22	.00	.00
21	---	---	---	---	---	---	.06	22	.00	11	.00	.00
22	---	---	---	---	---	---	.07	19	.00	7.4	.00	.00
23	---	---	---	---	---	---	.07	16	.00	5.9	.00	.00
24	---	---	---	---	---	---	.08	13	61	4.6	.00	.00
25	---	---	---	---	---	---	.09	11	39	3.9	.00	.00
26	---	---	---	---	---	---	.08	9.3	21	2.6	.00	.00
27	---	---	---	---	---	---	.05	7.9	14	1.2	.00	.00
28	---	---	---	---	---	---	.05	6.4	10	.65	.00	.00
29	---	---	---	---	---	---	.05	5.2	7.9	.21	.00	.00
30	---	---	---	---	---	---	.05	4.0	6.5	.01	.00	.00
31	---	---	---	---	---	---	---	3.2	---	.00	.00	---
TOTAL	---	---	---	---	---	---	0.94	310.84	167.41	216.27	101.36	0.00
MEAN	---	---	---	---	---	---	.072	10.0	5.58	6.98	3.27	.000
MAX	---	---	---	---	---	---	.14	82	61	56	50	.00
MIN	---	---	---	---	---	---	.05	.02	.00	.00	.00	.00
AC-FT	---	---	---	---	---	---	1.9	617	332	429	201	.00

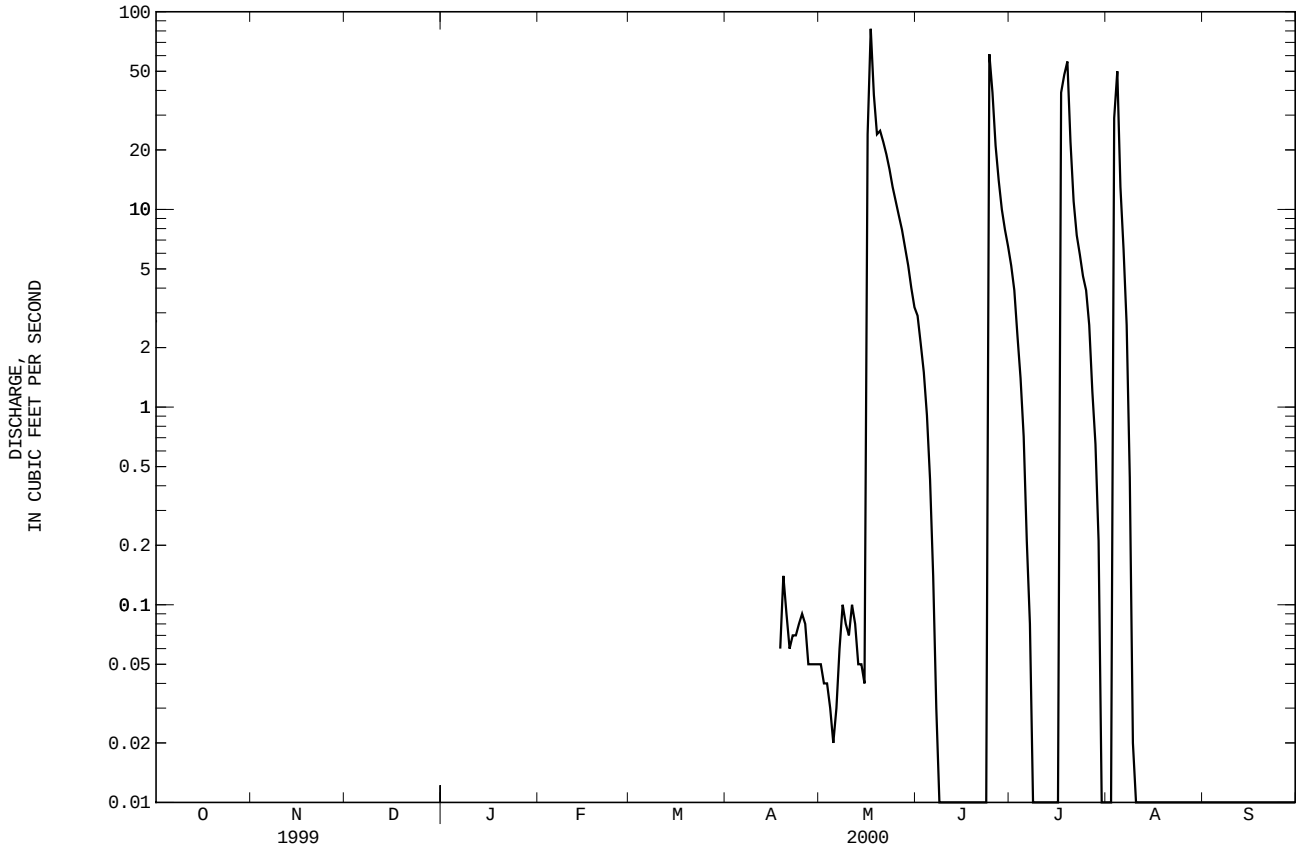
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2000, BY WATER YEAR (WY)*

MEAN	.12	.046	.017	.11	4.02	2.73	.17	5.16	5.55	4.32	2.15	1.05
MAX	1.11	.28	.12	1.81	58.3	44.4	2.13	71.3	32.4	29.1	12.6	13.4
(WY)	1981	1985	1983	1983	1972	1978	1973	1978	1979	1982	1990	1986
MIN	.000	.000	.000	.000	.000	.000	.005	.012	.000	.000	.000	.000
(WY)	1972	1973	1973	1972	1973	1976	1972	1990	1990	1976	1989	1972

06313700 DEAD HORSE CREEK NEAR BUFFALO, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1972 - 2000*	
ANNUAL MEAN	--		2.08	
HIGHEST ANNUAL MEAN	--		10.6	1978
LOWEST ANNUAL MEAN	--		.027	1988
HIGHEST DAILY MEAN	82	May 17	819	May 18 1978
LOWEST DAILY MEAN	.00	Many days	.00	Many days, most years
ANNUAL SEVEN-DAY MINIMUM	.00	Jun 8	.00	Most years
INSTANTANEOUS PEAK FLOW	390	May 16	3460[a]	Sep 18 1986
INSTANTANEOUS PEAK STAGE	9.45	May 16	10.95[b]	Sep 18 1986
10 PERCENT EXCEEDS	--		.24	
50 PERCENT EXCEEDS	--		.01	
90 PERCENT EXCEEDS	--		.00	

* During period of record.
a From rating curve extended above 640 ft^3/s on basis of contracted-opening and flow-over-road measurement of peak flow.
b From floodmarks.



06313700 DEAD HORSE CREEK NEAR BUFFALO, WY--Continued

WATER QUALITY RECORDS

PERIOD OF RECORD.--Water years 1987-1989, April to September 2000.

REMARKS.--No flow observed on June 8 and Aug. 1.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
JUN		
08...	1015	.00
AUG		
01...	1145	.00

06316400 CRAZY WOMAN CREEK AT UPPER STATION, NEAR ARVADA, WY

LOCATION.--Lat 44°29'28", long 106°10'38", in NE$^1/_4$ SW$^1/_4$ SW$^1/_4$ sec.7, T.52 N., R.77 W., Johnson County, Hydrologic Unit 10090205, 1.1 mi upstream from Jewell Draw, 5.0 mi upstream from mouth, and 11 mi south of Arvada.

DRAINAGE AREA.--945 mi^2, approximately.

PERIOD OF RECORD.--Water years 1967 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)
MAY								
16...	1615	24	658	115	9.4	8.1	1770	24.0
JUN								
08...	1815	20	654	106	7.6	8.2	1480	38.0
AUG								
01...	1330	6.0	666	129	9.4	8.2	2290	32.0

DATE	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
MAY							
16...	17.5	<.020	<.050	<.010	<.010	117	7.6
JUN							
08...	24.5	<.020	<.050	<.010	<.010	74	4.0
AUG							
01...	24.0	<.020	<.050	<.010	<.010	101	1.6

06317000 POWDER RIVER AT ARVADA, WY

LOCATION.--Lat 44°39'00", long 106°07'37", in SW$^{1}/_{4}$ SE$^{1}/_{4}$ sec.16, T.54 N., R.77 W., Sheridan County, Hydrologic Unit 10090202, on right bank 0.1 mi downstream from bridge on county road, 0.2 mi southeast of Arvada, and 0.2 mi upstream from Wild Horse Creek.

DRAINAGE AREA.--6,050 mi^{2}.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1919 to current year (no winter records in water years 1919-30, 1934). Records for Feb. 16-23, 1930, published in WSP 701, are unreliable and should not be used.

REVISED RECORDS.--WSP 1509: 1921(M), 1923(M), 1924-26, 1927-28(M), 1929, 1930(M), 1931, 1932(M), 1933, 1934(M), 1935-36. See PERIOD OF RECORD.

GAGE.--Water-stage recorder. Elevation of gage is 3,620 ft above sea level, from topographic map. Prior to Oct. 24, 1938, non-contributing gage at bridge 0.2 mi upstream at datum 3,621.87 ft. Oct. 24, 1938 to Apr. 27, 1983, at site 0.7 mi upstream at different datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Numerous small reservoirs and diversions for irrigation of about 29,000 acres upstream from station. Data collection platform with satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.-- Peak discharge greater than base discharge of 2,800 ft^{3}/s and maximum (*):

Date	Time	Discharge (ft^{3}/s)	Gage height (ft)
May 19	2030	*6,390	*6.80

No other peak above base discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	115	153	190	e150	e140	e230	178	219	364	111	7.0	.00
2	124	156	190	e140	e160	e210	154	241	327	112	6.4	.00
3	127	158	186	e140	e150	e210	153	291	309	112	5.7	.00
4	118	151	e180	e150	e140	e210	156	270	283	100	4.1	.00
5	133	154	e170	e155	e150	e220	172	271	254	94	6.0	.00
6	146	151	e160	e150	e150	e240	172	319	226	97	11	.00
7	154	151	e140	e150	e160	259	170	389	210	92	5.3	.00
8	158	154	e100	e140	e160	265	156	505	190	84	2.9	.00
9	159	163	e80	e140	e170	245	150	466	171	83	1.8	.00
10	148	164	e100	e140	e160	229	167	393	165	72	.96	.00
11	144	164	e130	e130	e150	219	172	423	153	64	.43	.00
12	148	164	e170	e140	e160	218	170	361	137	57	2.6	.00
13	152	165	e170	e150	e170	215	142	490	132	54	1.6	.00
14	153	166	e140	e160	e180	208	142	461	118	47	.36	.00
15	152	166	e150	e170	e180	203	163	385	123	42	.15	.00
16	153	163	e160	e170	e180	179	170	290	130	43	.05	.00
17	149	160	e160	e160	e180	168	175	376	123	42	.01	.00
18	146	156	e160	e150	e180	163	193	359	124	40	.00	.00
19	151	167	e150	e150	e170	164	222	4160	124	64	.00	.00
20	154	168	e140	e140	e180	166	213	2760	129	61	.00	.00
21	155	179	e130	e140	e190	166	202	1350	135	43	.00	.00
22	161	e170	e140	e140	e190	167	302	933	135	33	.00	.00
23	167	e150	e150	e140	e200	177	322	783	132	24	.00	.00
24	163	e160	e150	e130	e210	178	287	662	147	22	.00	.00
25	162	e180	e160	e140	e200	186	280	623	182	22	.00	.00
26	159	200	e160	e150	e200	176	276	585	148	21	.00	.00
27	161	193	e170	e150	e210	174	376	531	130	24	.00	.19
28	159	179	e170	e140	e220	181	365	465	123	26	.00	22
29	149	e170	e160	e140	e220	196	259	444	121	23	.00	46
30	144	e180	e160	e130	---	184	232	415	110	16	.00	56
31	147	---	e150	e130	---	174	---	393	---	11	.00	---
TOTAL	4611	4955	4726	4505	5110	6180	6291	20613	5155	1736	56.36	124.19
MEAN	149	165	152	145	176	199	210	665	172	56.0	1.82	4.14
MAX	167	200	190	170	220	265	376	4160	364	112	11	56
MIN	115	150	80	130	140	163	142	219	110	11	.00	.00
AC-FT	9150	9830	9370	8940	10140	12260	12480	40890	10220	3440	112	246

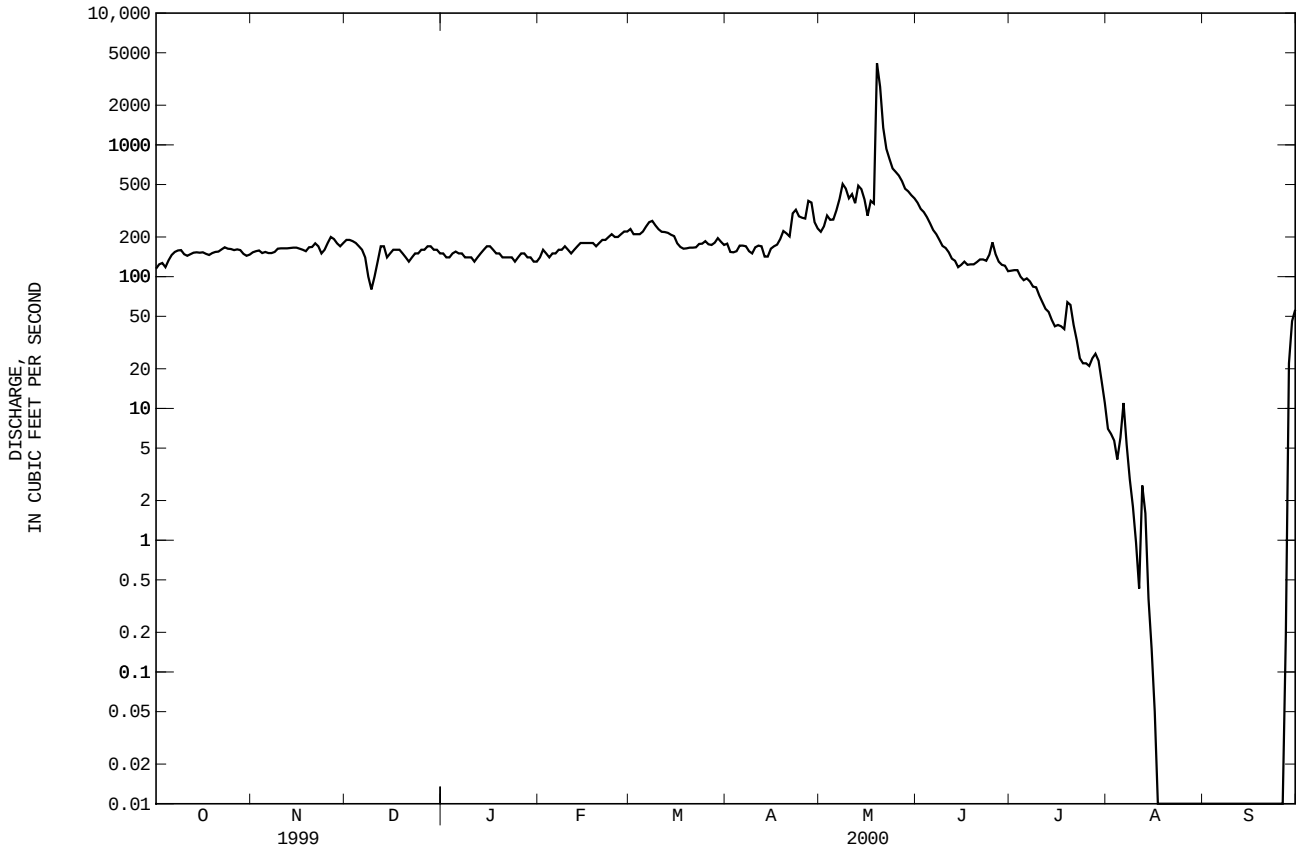
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2000, BY WATER YEAR (WY)

MEAN	138	130	100	90.4	171	394	360	746	762	261	97.9	76.5
MAX	865	419	290	242	567	953	1107	4025	3319	1703	861	451
(WY)	1995	1999	1974	1974	1972	1978	1941	1978	1962	1937	1941	1982
MIN	.000	11.4	23.0	15.0	10.0	144	99.0	51.3	30.6	15.8	.000	.000
(WY)	1961	1936	1950	1933	1933	1961	1961	1936	1954	1974	1932	1932

06317000 POWDER RIVER AT ARVADA, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1931 - 2000	
ANNUAL TOTAL	136447.8		64062.55		--	
ANNUAL MEAN	374		175		279	
HIGHEST ANNUAL MEAN	--		--		735	1978
LOWEST ANNUAL MEAN	--		--		70.3	1961
HIGHEST DAILY MEAN	3160	May 3	4160	May 19	22600	May 20 1978
LOWEST DAILY MEAN	4.7	Aug 31	.00	Many days	.00	Many days, some years
ANNUAL SEVEN-DAY MINIMUM	6.8	Aug 26	.00	Aug 18	.00	Many days, some years
INSTANTANEOUS PEAK FLOW	--		6390	May 19	100000[a]	Sep 29 1923
INSTANTANEOUS PEAK STAGE	--		6.80	May 19	23.70[b]	Sep 29 1923
ANNUAL RUNOFF (AC-FT)	270600		127100		201900	
10 PERCENT EXCEEDS	1130		281		600	
50 PERCENT EXCEEDS	180		153		130	
90 PERCENT EXCEEDS	58		.00		15	

a About, from rating curve extended above 20,000 ft^3/s.
b From floodmarks, site and datum then in use.
e Estimated.



06317000 POWDER RIVER AT ARVADA, WY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1946-57, 1968 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: March 1949 to September 1957, October 1967 to September 1978.
SUSPENDED-SEDIMENT DISCHARGE: April 1946 to September 1957, October 1967 to September 1971, January 1975 to September 1978, April 1983 to September 1984.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT												
15...	0840	152	670	--	--	8.4	1930	10.0	9.0	540	118	59.2
JAN												
05...	1545	156	690	83	10.9	8.0	2010	1.0	.0	570	133	57.3
MAY												
16...	1750	290	660	105	8.4	8.0	2110	19.5	18.5	470	112	46.8
AUG												
01...	1730	8.1	668	103	6.6	8.2	3770	33.0	31.0	960	202	112

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
OCT												
15...	6.3	4	215	217	--	123	.5	6.5	661	1.80	542	1320
JAN												
05...	5.8	4	226	219	--	141	.5	12.0	617	1.80	557	1320
MAY												
16...	5.7	6	302	--	158	103	.5	9.3	841	2.06	1190	1520
AUG												
01...	13.2	7	483	186	--	292	.4	4.3	1490	3.68	59.2	2710

06317020 WILDHORSE CREEK NEAR ARVADA, WY

LOCATION.--Lat 44°37'57", long 106°01'53", in NE$^1/_4$ NE$^1/_4$ NE$^1/_4$ sec. 29, T.54 N., R. 76 W., Sheridan County, Hydrologic Unit 10090202, on left bank 0.2 ft upstream from county culvert, 0.4 mi upstream from Middle Prong Wildhorse Creek and 5.0 mi southeast of Arvada.

DRAINAGE AREA.--250 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May to September 2000.

GAGE.--Water-stage recorder. Elevation of gage is 3,730 ft above sea level, from topographic map.

REMARKS.--Records excellent. Natural flow of stream affected by numerous small reservoirs and coalbed methane production water.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	.00	.00	.00	.00
2	---	---	---	---	---	---	---	---	.00	.00	.00	.00
3	---	---	---	---	---	---	---	---	.00	.00	.00	.00
4	---	---	---	---	---	---	---	---	.00	.00	.00	.00
5	---	---	---	---	---	---	---	---	.00	.00	.00	.00
6	---	---	---	---	---	---	---	---	.00	.00	.00	.00
7	---	---	---	---	---	---	---	---	.00	.00	.00	.00
8	---	---	---	---	---	---	---	---	.00	.00	.00	.00
9	---	---	---	---	---	---	---	---	.00	.00	.00	.00
10	---	---	---	---	---	---	---	---	.00	.00	.00	.00
11	---	---	---	---	---	---	---	---	.00	.00	.00	.00
12	---	---	---	---	---	---	---	---	.00	.00	.00	.00
13	---	---	---	---	---	---	---	---	.00	.00	.00	.00
14	---	---	---	---	---	---	---	---	.00	.00	.00	.00
15	---	---	---	---	---	---	---	---	.00	.00	.00	.00
16	---	---	---	---	---	---	---	---	.00	.00	.00	.00
17	---	---	---	---	---	---	---	---	.00	.00	.00	.00
18	---	---	---	---	---	---	---	---	.00	.00	.00	.00
19	---	---	---	---	---	---	---	---	.00	.00	.00	.00
20	---	---	---	---	---	---	---	---	.00	.00	.00	.00
21	---	---	---	---	---	---	---	---	.00	.00	.00	.00
22	---	---	---	---	---	---	---	---	.00	.00	.00	.00
23	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
24	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
25	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
26	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
27	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
28	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
29	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
30	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
31	---	---	---	---	---	---	---	.00	---	.00	.00	---
TOTAL	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
MEAN	---	---	---	---	---	---	---	.000	.000	.000	.000	.000
MAX	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
MIN	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
AC-FT	---	---	---	---	---	---	---	.00	.00	.00	.00	.00

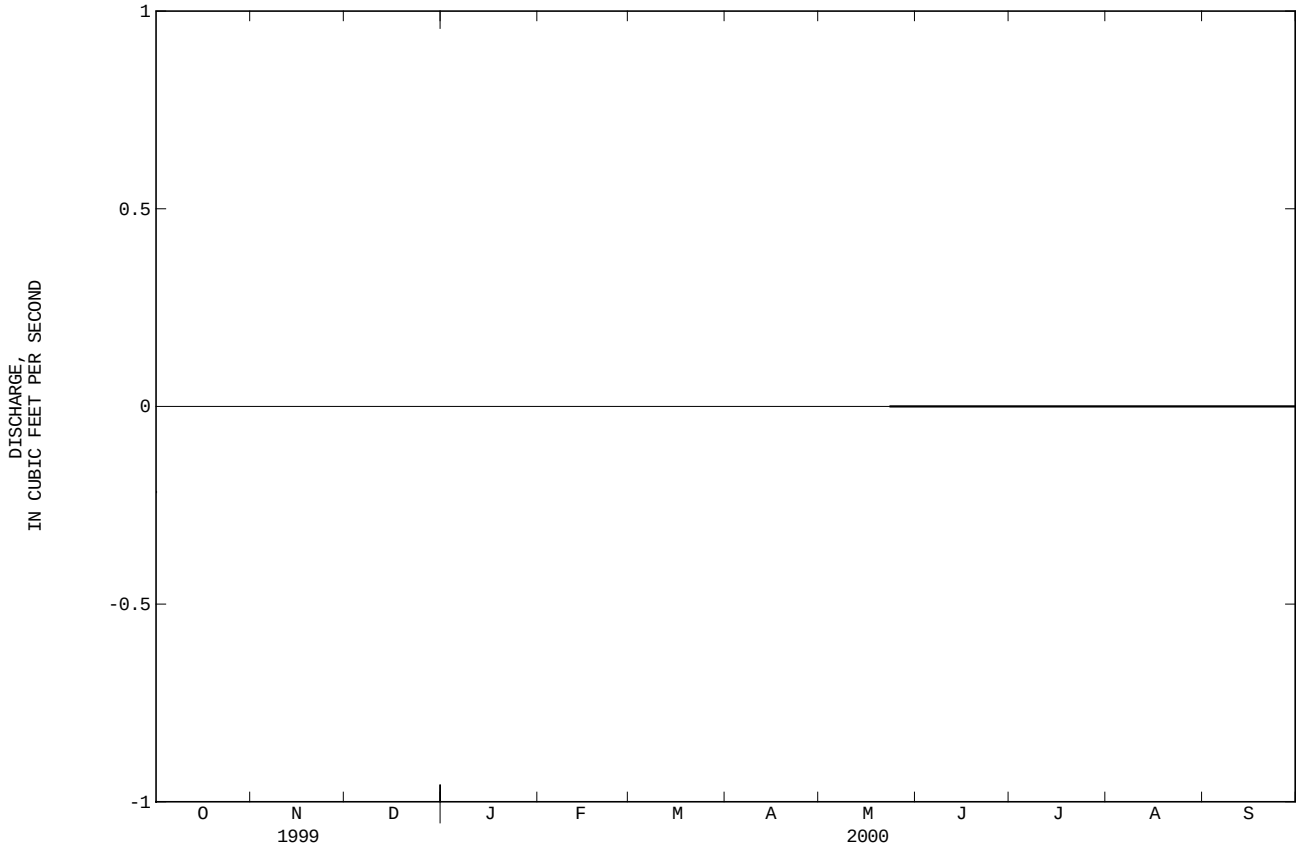
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2000, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	---	.000	.000	.000	.000
MAX	---	---	---	---	---	---	---	---	.000	.000	.000	.000
(WY)	---	---	---	---	---	---	---	---	2000	2000	2000	2000
MIN	---	---	---	---	---	---	---	---	.000	.000	.000	.000
(WY)	---	---	---	---	---	---	---	---	2000	2000	2000	2000

06317020 WILDHORSE CREEK NEAR ARVADA, WY--Continued

SUMMARY STATISTICS FOR 2000 WATER YEAR

HIGHEST DAILY MEAN	.00	Many days
LOWEST DAILY MEAN	.00	Many days
INSTANTANEOUS PEAK FLOW	.00	Many days
INSTANTANEOUS PEAK STAGE	.71	Jun 16



PERIOD OF RECORD.--April to September 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)
MAY		
16...	1800	.00
AUG		
01...	1500	.00

06320000 ROCK CREEK NEAR BUFFALO, WY

LOCATION.--Lat 44°27'22", long 106°52'42", in NW¼ NW¼ NW¼ sec.29, T.52 N., R.83 W., Johnson County, Hydrologic Unit 10090206, on left bank 300 ft downstream from confluence of North and South Forks and 11.5 mi northwest of Buffalo.

DRAINAGE AREA.--60.0 mi².

PERIOD OF RECORD.--April to August 1941, April to December 1942, May 1943 to November 1944, April 1945 to current year (no winter records since 1971). Monthly discharge only for some periods, published in WSP 1309.

GAGE.--Water-stage recorder. Elevation of gage is 5,280 ft above sea level, from topographic map. Prior to Jan. 8, 1944, nonrecording gages 600 ft upstream on North and South Forks at different datums. Jan. 8, 1944, to Sept. 30, 1952, water-stage recorder at present site at datum 0.72 ft lower.

REMARKS.--Records good. Water is imported into drainage basin upstream from station from South Piney Creek. Diversions for irrigation of about 250 acres upstream from station. Data collection platform with satellite telemetry at station. Result of discharge measurement, in cubic feet per second, made during period when station was not in operation, is given below:

Oct. 2 . . . 13.2

COOPERATION.--Station operated and record provided by the Wyoming State Engineer's Office; record reviewed by U.S. Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1941, about 8.05 ft, probably during 1944.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e4.9	38	150	41	35	27
2	---	---	---	---	---	---	5.9	55	122	39	36	27
3	---	---	---	---	---	---	e5.6	70	123	38	38	27
4	---	---	---	---	---	---	6.2	85	120	36	38	27
5	---	---	---	---	---	---	9.5	104	113	33	38	26
6	---	---	---	---	---	---	8.8	112	109	31	38	26
7	---	---	---	---	---	---	e6.6	80	92	29	37	26
8	---	---	---	---	---	---	e5.8	63	84	28	36	27
9	---	---	---	---	---	---	7.9	59	81	28	36	26
10	---	---	---	---	---	---	8.2	59	71	27	36	24
11	---	---	---	---	---	---	8.5	56	63	25	35	24
12	---	---	---	---	---	---	10	50	59	24	35	25
13	---	---	---	---	---	---	15	46	67	24	34	26
14	---	---	---	---	---	---	15	44	60	34	33	25
15	---	---	---	---	---	---	11	48	89	35	31	21
16	---	---	---	---	---	---	e7.8	55	75	36	27	21
17	---	---	---	---	---	---	12	191	63	37	27	21
18	---	---	---	---	---	---	20	183	56	38	24	20
19	---	---	---	---	---	---	27	172	56	39	24	23
20	---	---	---	---	---	---	20	167	62	39	24	24
21	---	---	---	---	---	---	23	170	53	42	24	22
22	---	---	---	---	---	---	29	200	49	41	24	22
23	---	---	---	---	---	---	36	235	51	39	22	22
24	---	---	---	---	---	---	38	250	54	37	19	22
25	---	---	---	---	---	---	27	195	51	36	23	22
26	---	---	---	---	---	---	32	199	47	35	24	22
27	---	---	---	---	---	---	31	171	49	35	24	21
28	---	---	---	---	---	---	40	181	52	37	24	21
29	---	---	---	---	---	---	57	192	47	37	24	19
30	---	---	---	---	---	---	38	175	43	36	24	20
31	---	---	---	---	---	---	---	166	---	35	25	---
TOTAL	---	---	---	---	---	---	566.7	3871	2211	1071	919	706
MEAN	---	---	---	---	---	---	18.9	125	73.7	34.5	29.6	23.5
MAX	---	---	---	---	---	---	57	250	150	42	38	27
MIN	---	---	---	---	---	---	4.9	38	43	24	19	19
AC-FT	---	---	---	---	---	---	1120	7680	4390	2120	1820	1400

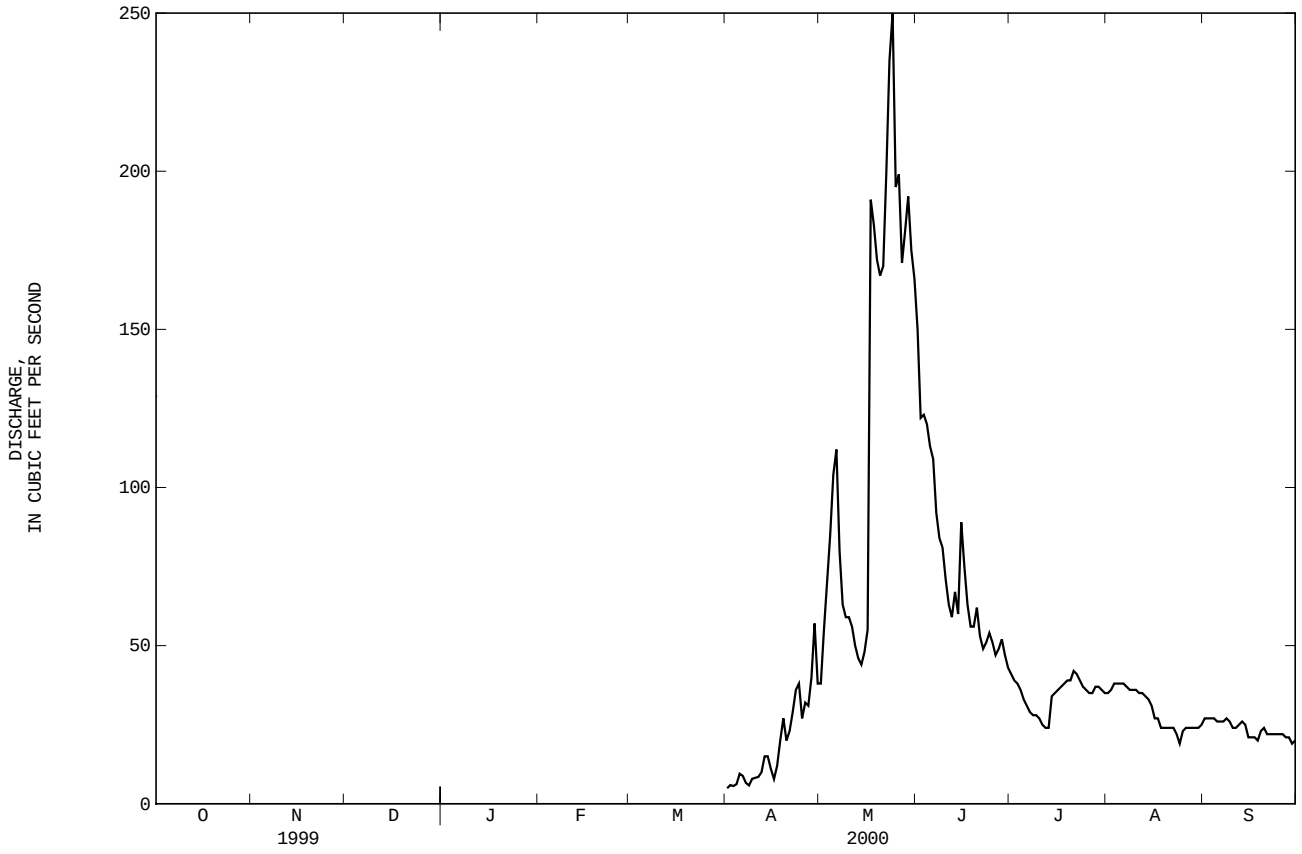
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2000, BY WATER YEAR (WY)*

MEAN	9.23	7.11	5.57	4.58	4.43	4.81	15.6	102	148	61.6	41.0	20.4
MAX	20.1	12.7	8.75	6.40	6.57	7.13	46.7	256	352	142	69.2	57.3
(WY)	1969	1969	1969	1965	1969	1960	1994	1978	1995	1975	1968	1982
MIN	3.44	2.74	3.08	1.88	2.27	2.22	4.63	27.1	37.8	28.3	4.22	1.57
(WY)	1955	1955	1967	1950	1957	1966	1966	1960	1954	1958	1954	1954

06320000 ROCK CREEK NEAR BUFFALO, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1945 - 2000*	
ANNUAL MEAN	--		34.7	
HIGHEST ANNUAL MEAN	--		54.7	1963
LOWEST ANNUAL MEAN	--		16.1	1954
HIGHEST DAILY MEAN	250	May 24	1110	Jun 8 1997
LOWEST DAILY MEAN	4.9e	Apr 1	50a	Sep 19 1954
INSTANTANEOUS PEAK FLOW	403	May 17	2080a	Jun 8 1997
INSTANTANEOUS PEAK STAGE	5.76	May 17	8.80	Jun 8 1997
ANNUAL RUNOFF (AC-FT)			25120	

* All statistics, except HIGHEST and LOWEST DAILY MEANS, and INSTANTANEOUS PEAK FLOW and STAGE, are based on period(s) using complete water years only.
a From rating curve extended above 610 ft^3/s.
e Estimated.



06320210 CLEAR CREEK ABOVE KUMOR DRAW, NEAR BUFFALO, WY

LOCATION.--Lat 44°23'21", long 106°37'23", in NW$^{1}/_{4}$ NE$^{1}/_{4}$ SE$^{1}/_{4}$ sec.17, T.51 N., R.81 W., Johnson County, Hydrologic Unit 10090206, 10 ft upstream from bridge on State Highway 16, 0.7 mi upstream from Kumor Draw, and 5 mi northeast of Buffalo.

PERIOD OF RECORD.--January 1993 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
OCT							
13...	0945	57	656	120	12.5	8.1	689
JAN							
04...	0955	25	651	86	10.7	8.0	844
MAY							
16...	1250	90	644	113	10.3	8.1	447
AUG							
15...	1800	15	650	145	10.4	8.5	765

DATE	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT							
13...	11.0	7.0	.024	<.050	<.010	<.010	79
JAN							
04...	-1.0	.0	<.020	.146	<.010	<.010	37
MAY							
16...	22.0	12.0	.032	<.050	<.010	.030	75
AUG							
15...	31.0	23.5	<.020	<.050	<.010	.021	110

06320500 SOUTH PINEY CREEK AT WILLOW PARK, WY

LOCATION.--Lat 44°27'59", long 107°02'03", in NW$^{1}/_{4}$ sec.24, T.52 N., R.85 W., Johnson County, Hydrologic Unit 10090206, Bighorn National Forest, on left bank about 300 ft downstream from Willow Park Dam, 1.4 mi upstream from Kearny Creek, and 10 mi southwest of Story.

DRAINAGE AREA.--33.6 mi^{2}.

PERIOD OF RECORD.--September 1945 to September 1957 (no winter records prior to 1948), October 1959 to current year (no winter records since 1971).

REVISED RECORDS.--WSP 1309: 1949(M). WSP 1709: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 8,540 ft above sea level, from topographic map. Prior to Oct. 1, 1957, at site about 600 ft upstream at different datum. Oct. 1, 1959, to Sept. 30, 1965, at present site at datum 1.00 ft higher.

REMARKS.--Records good. Some regulation by Cloud Peak Reservoir, capacity, 3,385 acre-ft, and Willow Park Reservoir, capacity, 4,457 acre-ft. Storage began in Willow Park Reservoir in April 1959. Cloud Peak Reservoir enlarged December 1958. Water released from storage in Cloud Peak Reservoir is diverted just downstream from station into Rock Creek basin. Result of discharge measurement, in cubic feet per second, made during period when station was not in operation, is given below:

Oct. 11 . . . 18.6

COOPERATION.--Station operated and record provided by the Wyoming State Engineer's Office; record reviewed by U.S. Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	e86	89	83	82
2	---	---	---	---	---	---	---	---	e88	93	83	81
3	---	---	---	---	---	---	---	---	e88	99	85	78
4	---	---	---	---	---	---	---	---	e90	105	93	75
5	---	---	---	---	---	---	---	---	e90	100	95	74
6	---	---	---	---	---	---	---	---	e92	91	93	74
7	---	---	---	---	---	---	---	---	e94	83	91	75
8	---	---	---	---	---	---	---	---	94	80	90	77
9	---	---	---	---	---	---	---	---	98	80	89	72
10	---	---	---	---	---	---	---	---	99	85	89	69
11	---	---	---	---	---	---	---	---	79	93	89	69
12	---	---	---	---	---	---	---	---	64	87	87	68
13	---	---	---	---	---	---	---	---	73	84	82	67
14	---	---	---	---	---	---	---	---	72	87	81	65
15	---	---	---	---	---	---	---	---	84	98	80	62
16	---	---	---	---	---	---	---	---	85	109	80	61
17	---	---	---	---	---	---	---	---	51	105	79	60
18	---	---	---	---	---	---	---	---	49	103	77	60
19	---	---	---	---	---	---	---	---	55	96	76	60
20	---	---	---	---	---	---	---	---	64	101	76	58
21	---	---	---	---	---	---	---	---	68	111	76	57
22	---	---	---	---	---	---	---	---	73	105	76	56
23	---	---	---	---	---	---	---	---	83	99	76	54
24	---	---	---	---	---	---	---	---	107	98	77	52
25	---	---	---	---	---	---	---	---	139	96	81	51
26	---	---	---	---	---	---	---	---	136	95	81	50
27	---	---	---	---	---	---	---	---	122	98	81	48
28	---	---	---	---	---	---	---	---	112	100	81	45
29	---	---	---	---	---	---	---	---	102	94	81	44
30	---	---	---	---	---	---	---	---	93	88	81	42
31	---	---	---	---	---	---	---	---	---	83	82	---
TOTAL	---	---	---	---	---	---	---	---	2630	2935	2571	1886
MEAN	---	---	---	---	---	---	---	---	87.7	94.7	82.9	62.9
MAX	---	---	---	---	---	---	---	---	139	111	95	82
MIN	---	---	---	---	---	---	---	---	49	80	76	42
AC-FT	---	---	---	---	---	---	---	---	5220	5820	5100	3740

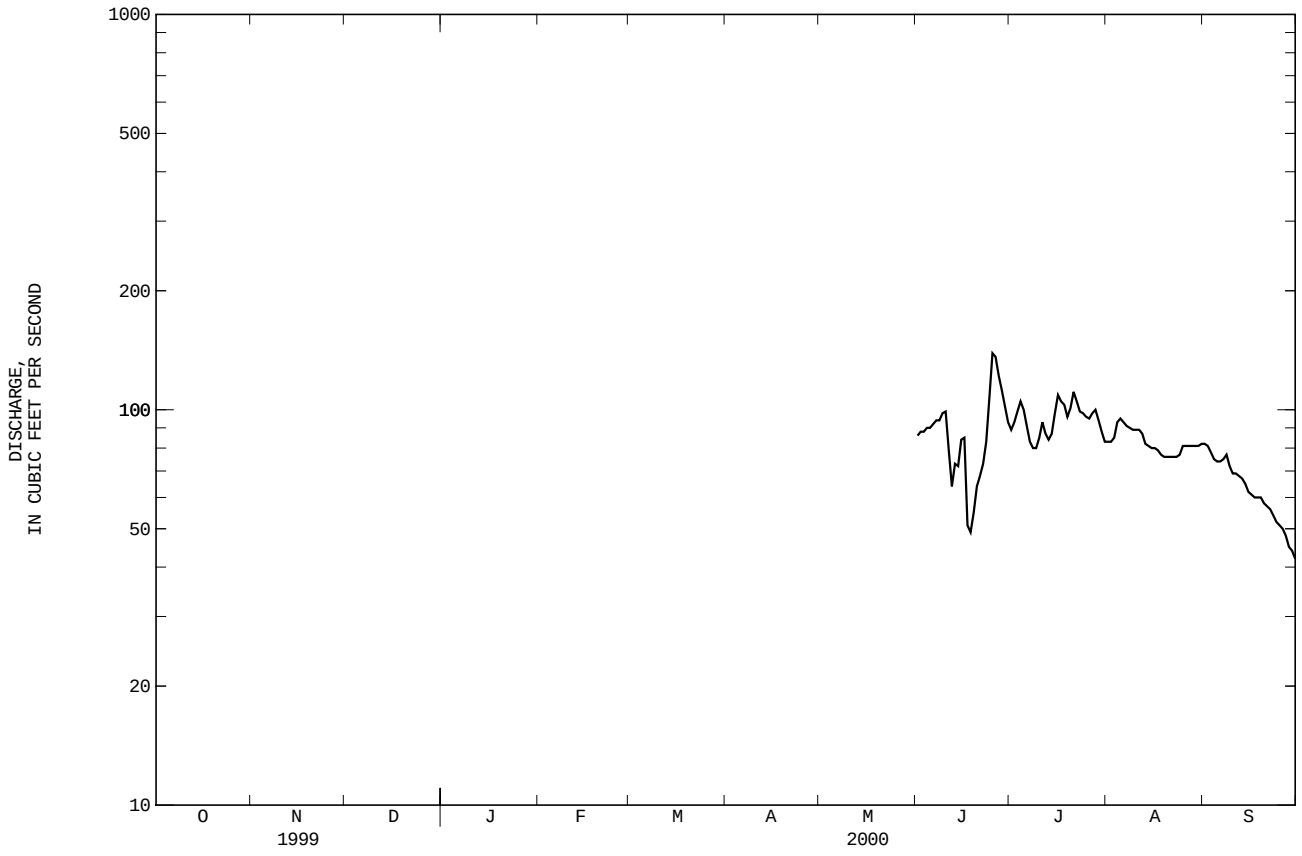
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2000, BY WATER YEAR (WY)*

MEAN	15.0	9.77	8.20	6.93	6.21	6.29	10.0	49.5	165	114	87.0	49.8
MAX	26.8	16.8	14.2	12.4	11.7	10.6	27.0	153	332	281	130	118
(WY)	1962	1960	1968	1968	1968	1968	1949	1948	1995	1975	1998	1998
MIN	6.47	.52	1.94	1.26	1.27	1.58	1.27	2.77	66.4	74.1	30.9	17.0
(WY)	1967	1967	1964	1964	1964	1964	1960	1967	1954	1956	1954	1954

06320500 SOUTH PINEY CREEK AT WILLOW PARK, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1947 - 2000*	
ANNUAL MEAN	--		42.4[a]	
HIGHEST ANNUAL MEAN	--		55.9	1963
LOWEST ANNUAL MEAN	--		27.5	1960
HIGHEST DAILY MEAN	139	Jun 25	1100	Jun 8 1997
LOWEST DAILY MEAN	42[c]	Sep 30	.13[b]	May 1 1989
INSTANTANEOUS PEAK FLOW	147[c]	Jun 25	1620[d]	Jun 15 1963
INSTANTANEOUS PEAK STAGE	2.80[c]	Jun 25	5.68	Jun 15 1963
ANNUAL RUNOFF (AC-FT)	--		30700	

* During period of operation.
a Unadjusted for regulation by reservoirs.
b Minimum daily, prior to construction of Willow Park Reservoir, 4.5 ft^3/s, Mar. 1 to Apr. 5, 1955.
c May have been higher prior to gage activation.
d From rating curve extended above 360 ft^3/s on basis of slope-area measurement of peak flow.
e Estimated.



06323000 PINEY CREEK AT KEARNY, WY

LOCATION.--Lat 44°32'08", long 106°49'18", in NE$^1/_4$ NE$^1/_4$ SW$^1/_4$ sec.26, T.53 N., R.83 W., Johnson County, Hydrologic Unit 10090206, on right bank at Kearny, 300 ft northeast of Historical Monument and 2.0 mi upstream from Little Piney Creek.

DRAINAGE AREA.--118 mi^2.

PERIOD OF RECORD.--September 1902 to June 1906, June to August 1910, May 1911 to July 1917, May 1919 to September 1923 (no winter records), October 1940 to Sept. 1998, Oct. 1998 to Sept. 1999 (no winter record). Monthly discharge only for some periods, published in WSP 1309.

REVISED RECORDS.--WSP 1176: 1944. WSP 1309: 1913(M). WSP 1509: 1906, 1920(M), 1941(M), 1942, 1943(M). WSP 1916: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,655.11 ft above sea level. Sept. 6, 1902, to June 30, 1906, nonrecording gage at site 50 ft upstream at different datum. May 14, 1911, to July 31, 1917, and May 1, 1919, to Sept. 30, 1923, nonrecording gage at site 50 ft upstream at present datum.

REMARKS.--Records good. Some regulation by Cloud Peak Reservoir, capacity, 3,385 acre-ft, Willow Park Reservoir, capacity, 4,457 acre-ft, and Kearny Lake, capacity, 1,860 acre-ft. Diversion upstream from station from South Piney Creek into Rock Creek basin for irrigation. Diversions upstream from station for irrigation of about 240 acres, of which about 90 acres are downstream from station. Record includes flow in bypass channel (Spring Creek), 300 ft left of main channel. Result of discharge measurement, in cubic feet per second, made during period when station was not in operation, is given below:

Oct. 4 . . . 28.6

COOPERATION.--Station operated and record provided by the Wyoming State Engineer's Office; record reviewed by U.S. Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	33	170	422	85	12	8.7
2	---	---	---	---	---	---	37	208	346	83	13	8.7
3	---	---	---	---	---	---	33	236	277	83	13	7.8
4	---	---	---	---	---	---	38	251	242	85	17	7.4
5	---	---	---	---	---	---	47	239	190	85	18	7.2
6	---	---	---	---	---	---	43	242	214	78	15	8.3
7	---	---	---	---	---	---	40	245	208	71	12	8.3
8	---	---	---	---	---	---	38	206	236	60	12	6.9
9	---	---	---	---	---	---	41	187	238	56	11	6.5
10	---	---	---	---	---	---	40	170	214	51	13	6.5
11	---	---	---	---	---	---	39	155	165	51	13	6.9
12	---	---	---	---	---	---	42	137	99	41	13	6.7
13	---	---	---	---	---	---	51	126	124	36	11	5.7
14	---	---	---	---	---	---	57	118	134	26	10	5.4
15	---	---	---	---	---	---	50	113	139	24	10	5.4
16	---	---	---	---	---	---	46	111	139	31	9.2	5.1
17	---	---	---	---	---	---	50	467	101	30	9.1	4.7
18	---	---	---	---	---	---	59	438	62	33	9.6	5.4
19	---	---	---	---	---	---	92	365	43	32	10	7.8
20	---	---	---	---	---	---	78	318	61	32	9.2	8.7
21	---	---	---	---	---	---	82	290	70	38	9.6	6.9
22	---	---	---	---	---	---	94	294	70	37	9.2	8.3
23	---	---	---	---	---	---	117	297	77	30	9.2	7.4
24	---	---	---	---	---	---	124	294	94	26	8.7	6.9
25	---	---	---	---	---	---	111	274	126	23	8.7	6.9
26	---	---	---	---	---	---	118	354	130	23	8.7	5.7
27	---	---	---	---	---	---	113	369	117	23	8.7	4.7
28	---	---	---	---	---	---	129	384	113	28	9.2	3.4
29	---	---	---	---	---	---	175	401	94	24	10	2.5
30	---	---	---	---	---	---	157	411	86	13	10	2.3
31	---	---	---	---	---	---	---	407	---	11	9.6	---
TOTAL	---	---	---	---	---	---	2174	8277	4631	1349	341.7	193.1
MEAN	---	---	---	---	---	---	72.5	267	154	43.5	11.0	6.44
MAX	---	---	---	---	---	---	175	467	422	85	18	8.7
MIN	---	---	---	---	---	---	33	111	43	11	8.7	2.3
AC-FT	---	---	---	---	---	---	4310	16420	9190	2680	678	383

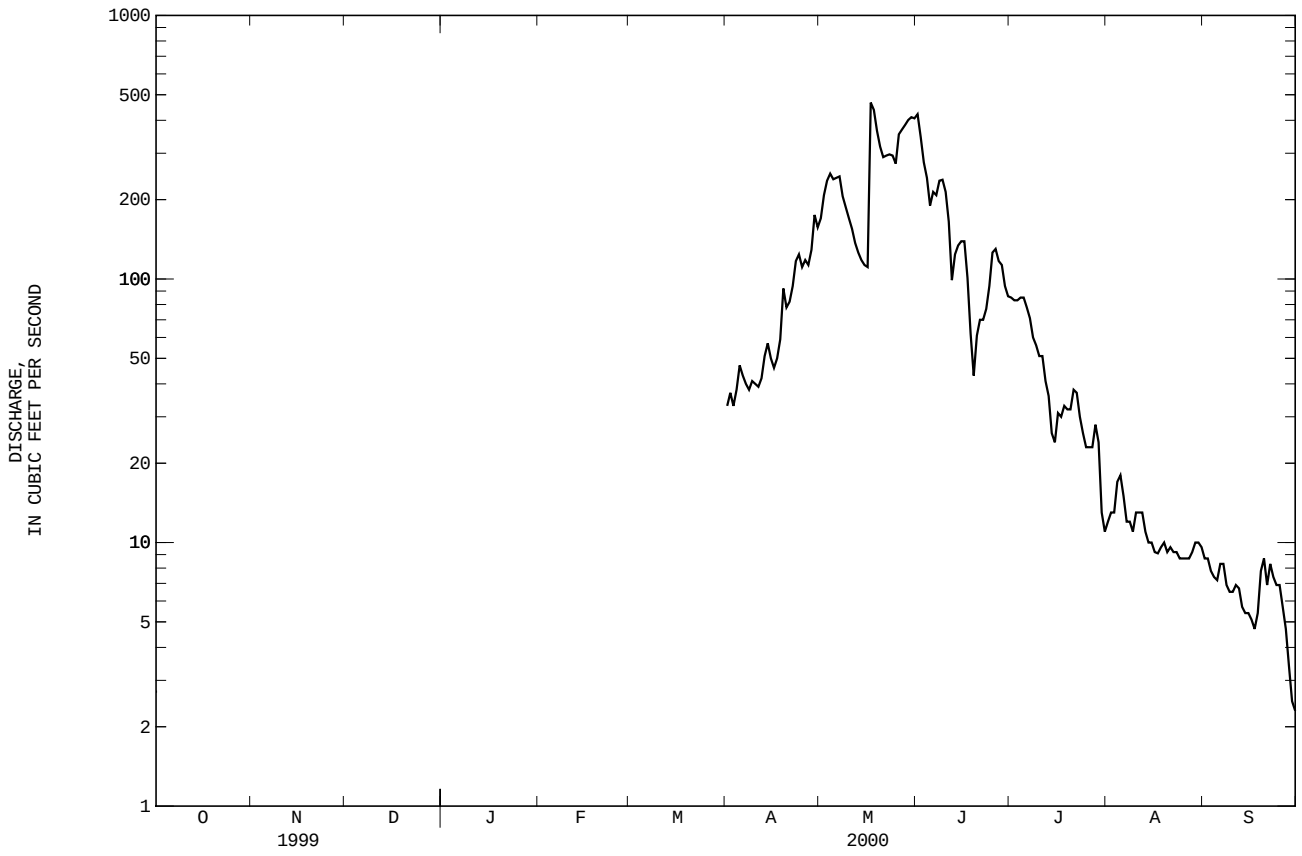
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2000, BY WATER YEAR (WY)*

MEAN	30.4	36.1	31.1	27.3	26.3	30.8	70.3	275	378	95.3	30.8	25.8
MAX	85.4	76.9	53.6	44.3	54.4	72.8	204	683	911	413	153	185
(WY)	1913	1999	1977	1997	1962	1972	1943	1944	1995	1975	1998	1923
MIN	8.84	13.0	13.4	12.3	10.7	16.7	15.8	43.3	33.8	13.0	7.98	3.47
(WY)	1965	1955	1966	1967	1960	1957	1981	1985	1985	1985	1980	1981

06323000 PINEY CREEK AT KEARNY, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1903 - 2000*	
ANNUAL MEAN	--		86.4	
HIGHEST ANNUAL MEAN	--		168	1944
LOWEST ANNUAL MEAN	--		27.8	1985
HIGHEST DAILY MEAN	467	May 17	1780	Jun 15 1963
LOWEST DAILY MEAN	2.3	Sep 30	1.9	Oct 3 1981
				Sep 14-18 1985
INSTANTANEOUS PEAK FLOW	968	May 17	3410[a]	Jun 15 1963
INSTANTANEOUS PEAK STAGE	4.21	May 17	6.05	Jun 15 1963
ANNUAL RUNOFF (AC-FT)	--		62560	

* During period of operation.
a From rating curve extended above 1,800 ft^3/s.



06324500 POWDER RIVER AT MOORHEAD, MT

LOCATION.--Lat 45°04'04", long 105°52'10", in NW$^1/_4$SE$^1/_4$NW$^1/_4$ sec.8, T.9 S., R.48 E., Powder River County, Hydrologic Unit 10090207, on left bank 500 ft downstream from discontinued post office at Moorhead, 6.2 mi upstream from Buffalo Creek, and at river mile 184.8.

DRAINAGE AREA.--8,088 mi^2.

PERIOD OF RECORD.--May 1929 to September 1972, October 1974 to current year. Monthly discharge only for some periods, published in WSP 1309.

REVISED RECORDS.--WSP 1309: 1932(M). WSP 1729: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 3,334.6 ft above sea level (levels by U.S. Army Corps of Engineers). Prior to Aug. 28, 1931, nonrecording gage at site 0.3 mi upstream at different datum. Aug. 28, 1931, to Mar. 21, 1956, water-stage recorder at site 1.2 mi upstream at different datum. Mar. 22 to July 24, 1956, nonrecording gage at site 0.3 mi downstream at different datum. July 25 to Sept. 12, 1956, nonrecording gage at present site and datum.

REMARKS.--Records fair except those for period of estimated daily discharges, which are poor. Some regulation by three reservoirs in Wyoming with combined usable capacity of 36,800 acre-ft. Diversions for irrigation of about 66,300 acres upstream from station. U.S. Geological Survey satellite telemeter at station. Station operated and record provided by the Montana District.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 30, 1923, reached a stage of 19 ft, site and datum used 1931-56, from information by local residents.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	232	271	319	e270	e270	e380	277	666	1160	357	40	35
2	245	263	323	e250	e250	e350	285	607	1150	339	41	38
3	271	264	315	e240	e230	e350	269	614	1030	301	38	47
4	282	248	302	e300	e250	e330	260	721	901	259	36	74
5	284	254	258	e280	e280	e330	247	630	827	224	42	61
6	277	277	236	e280	e280	e350	232	465	751	181	47	65
7	283	271	203	e280	e300	e400	249	503	677	149	34	66
8	285	267	e110	e280	e300	467	258	737	652	132	42	56
9	279	271	e45	e260	e230	452	255	747	625	121	63	64
10	269	277	e40	e260	e230	412	251	699	645	113	61	75
11	273	276	e70	e250	e270	375	255	626	595	111	53	96
12	261	278	e150	e230	e270	361	271	608	521	88	47	104
13	252	281	e220	e250	e270	358	270	569	431	83	44	103
14	255	277	e200	e300	e270	332	258	706	325	68	44	103
15	258	279	e230	e300	e250	318	257	718	308	59	45	100
16	258	272	e240	e300	e270	304	302	640	339	49	40	101
17	256	275	e230	e290	e270	290	324	581	348	44	34	112
18	262	284	e200	e280	e250	279	322	694	411	58	35	120
19	260	285	e200	e280	e250	268	364	1860	362	68	46	125
20	269	255	e230	e300	e300	277	430	3340	308	55	44	126
21	275	252	e250	e280	e300	275	506	1920	261	68	46	134
22	271	245	e280	e280	e320	267	457	1670	252	65	53	161
23	281	236	e280	e250	e320	263	567	1350	321	46	50	159
24	290	203	e280	e230	e350	263	662	1300	307	38	37	155
25	299	206	e280	e250	e300	260	664	1310	326	33	35	163
26	297	243	e280	e270	e300	265	654	1320	453	32	30	163
27	295	257	e300	e230	e320	263	582	1310	478	34	26	172
28	287	311	e300	e230	e350	262	656	1280	471	37	26	168
29	285	301	e280	e220	e350	281	634	1220	429	38	28	164
30	277	298	e280	e200	---	278	613	1170	411	39	33	184
31	281	---	e280	e200	---	282	---	1220	---	47	34	---
TOTAL	8449	7977	7211	8120	8200	9942	11631	31801	16075	3336	1274	3294
MEAN	273	266	233	262	283	321	388	1026	536	108	41.1	110
MAX	299	311	323	300	350	467	664	3340	1160	357	63	184
MIN	232	203	40	200	230	260	232	465	252	32	26	35
AC-FT	16760	15820	14300	16110	16260	19720	23070	63080	31880	6620	2530	6530

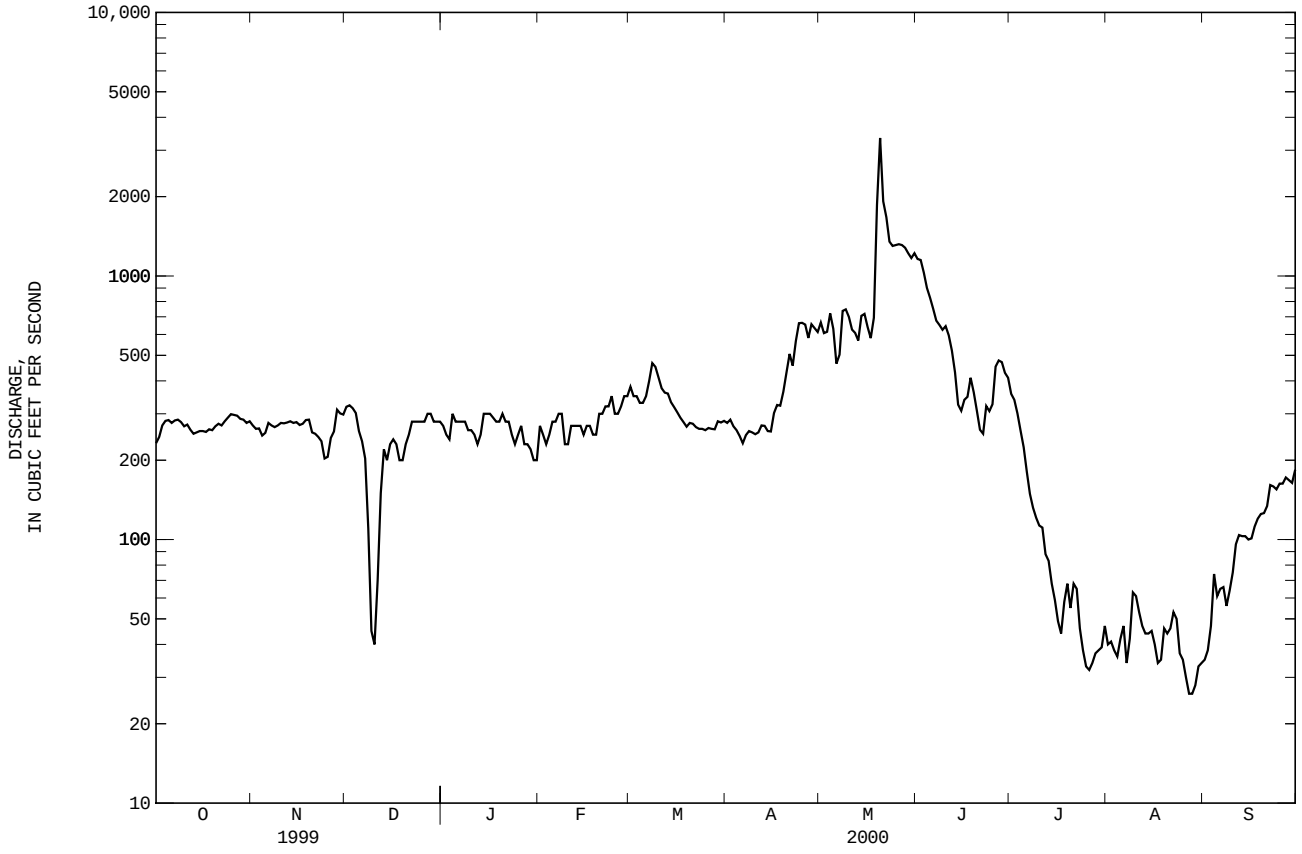
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2000, BY WATER YEAR (WY)*

MEAN	229	227	160	153	291	623	514	1082	1403	477	177	147
MAX	897	660	326	445	1200	2290	1314	5553	4131	2500	1219	686
(WY)	1995	1999	1981	1981	1930	1947	1965	1978	1967	1937	1941	1982
MIN	16.1	80.0	56.2	27.2	20.9	210	117	82.6	39.5	33.9	.60	1.28
(WY)	1955	1936	1933	1950	1933	1935	1961	1934	1954	1961	1966	1960

06324500 POWDER RIVER AT MOORHEAD, MT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1930 - 2000*	
ANNUAL TOTAL	233772		117310		--	
ANNUAL MEAN	640		321		457	
HIGHEST ANNUAL MEAN	--		--		1091	1978
LOWEST ANNUAL MEAN	--		--		109	1961
HIGHEST DAILY MEAN	3910	May 4	3340	May 20	27500	May 20 1978
LOWEST DAILY MEAN	40	Dec 10	26	Aug 27	.00	Jul 15 1931
ANNUAL SEVEN-DAY MINIMUM	51	Aug 28	30	Aug 25	.00	Sep 4 1960
INSTANTANEOUS PEAK FLOW	--		3930	May 20	33000[a]	May 20 1978
INSTANTANEOUS PEAK STAGE	--		5.65	May 20	17.70[b]	Mar 21 1956
ANNUAL RUNOFF (AC-FT)	463700		232700		331000	
10 PERCENT EXCEEDS	1940		631		1070	
50 PERCENT EXCEEDS	281		270		220	
90 PERCENT EXCEEDS	106		46		48	

* During period of operation (1930-72, 1975 to current year).
a Gage height, 15.24 ft.
b Ice jam, site and datum then in use.
e Estimated.



06324970 LITTLE POWDER RIVER ABOVE DRY CREEK, NEAR WESTON, WY

LOCATION.--Lat 44°55'37", long 105°21'10", in NW¼ SW¼ SW¼ sec.13, T.57 N., R.71 W., Campbell County, Hydrologic Unit 10090208, on left bank 3.1 mi upstream from Dry Creek, 5.0 mi south of the Wyoming-Montana State line, and 20 mi north of Weston.

DRAINAGE AREA.--1,235 mi^2.

PERIOD OF RECORD.--October 1972 to current year.

REVISED RECORDS.--WDR WY-77-1: Drainage area. WDR WY-78-1: 1976(M).

GAGE.--Water-stage recorder. Elevation of gage is 3,410 ft above sea level, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Diversion upstream from station for irrigation of about 80 acres downstream from station. Flow occasionally affected by contributions from mine dewatering. Data collection platform with satellite telemetry at station. Water-quality data are published in the special studies section of this report.

EXTREMES FOR CURRENT YEAR.--No peak discharges greater than base discharge of 130 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 19	0930	*116	*4.38

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.8	3.9	e3.0	e3.3	e8.6	6.8	12	7.3	2.5	.04	.00
2	1.9	1.6	3.6	e2.9	e3.6	e9.2	6.9	10	6.9	2.0	.04	.00
3	2.3	1.6	3.6	e2.8	e4.0	e12	6.9	9.0	6.2	1.8	.04	.00
4	2.4	1.8	e3.0	2.8	4.2	e14	6.9	8.1	6.1	2.0	.03	.00
5	2.1	2.0	e2.5	3.2	4.2	e13	5.2	7.3	5.5	1.7	.03	.01
6	2.2	2.2	e2.6	3.2	4.5	13	4.4	6.9	4.8	1.4	.02	.01
7	2.2	2.1	e2.7	3.3	4.5	12	4.4	7.2	4.2	1.1	.03	.01
8	2.2	2.0	2.8	3.1	4.6	13	4.5	8.1	3.6	.97	.02	.01
9	2.0	2.0	2.8	3.2	4.9	12	4.3	21	e3.7	.91	.02	.01
10	2.0	2.1	2.9	3.2	5.1	11	4.2	17	e3.5	.90	.01	.01
11	2.2	2.3	2.8	3.2	4.8	11	4.4	10	e3.1	.92	.01	.01
12	2.2	2.3	3.0	3.4	e4.6	11	4.4	8.9	e2.8	.90	.01	.01
13	2.0	2.3	2.9	3.6	e5.2	11	4.6	8.5	e3.0	.68	.01	.01
14	2.0	2.3	3.0	3.8	e5.6	11	4.6	11	e3.3	.53	.01	.01
15	1.9	2.4	3.1	3.8	5.9	10	4.6	9.0	3.4	.31	.01	.01
16	2.1	2.7	e2.9	3.7	5.8	8.8	4.6	8.8	3.4	.30	.01	.01
17	1.9	2.7	e2.8	3.8	5.7	8.2	4.7	9.4	3.1	.26	.00	.01
18	1.8	2.6	e2.6	3.7	5.9	8.2	4.9	15	2.7	.21	.00	.01
19	1.9	3.2	e2.8	3.6	5.8	7.7	5.2	93	3.1	.27	.00	.01
20	1.9	4.5	2.9	3.6	6.1	7.6	5.4	29	2.9	.32	.00	.01
21	1.8	3.6	3.2	3.8	6.4	7.1	5.4	42	2.7	.34	.00	e.01
22	1.7	3.9	3.3	3.8	6.3	7.0	7.3	46	1.9	.25	.00	e.01
23	1.8	e3.6	3.3	3.8	6.5	6.5	8.8	24	1.9	.21	.00	e.01
24	2.3	e3.3	3.3	3.9	6.9	6.5	16	17	4.5	.15	.00	e.01
25	1.8	e3.7	3.3	4.2	e7.0	6.1	59	13	2.7	.22	.00	e.01
26	1.9	4.3	3.3	4.3	e7.2	6.4	72	11	3.3	.15	.00	e.01
27	1.9	4.1	3.3	4.3	e7.4	6.0	28	9.5	4.5	.08	.00	e.01
28	1.7	4.1	3.3	3.8	e8.4	5.6	20	9.0	4.6	.06	.00	e.01
29	2.0	4.1	3.3	3.8	e9.6	6.2	18	7.9	4.3	.05	.00	e.01
30	1.9	4.0	3.2	e3.7	---	6.1	15	7.2	3.4	.04	.00	e.01
31	1.8	---	3.3	e3.4	---	6.7	---	6.6	---	.04	.00	---
TOTAL	61.3	85.2	95.3	109.7	164.0	282.5	351.4	502.4	116.4	21.57	0.34	0.26
MEAN	1.98	2.84	3.07	3.54	5.66	9.11	11.7	16.2	3.88	.70	.011	.009
MAX	2.4	4.5	3.9	4.3	9.6	14	72	93	7.3	2.5	.04	.01
MIN	1.5	1.6	2.5	2.8	3.3	5.6	4.2	6.6	1.9	.04	.00	.00
AC-FT	122	169	189	218	325	560	697	997	231	43	.7	.5

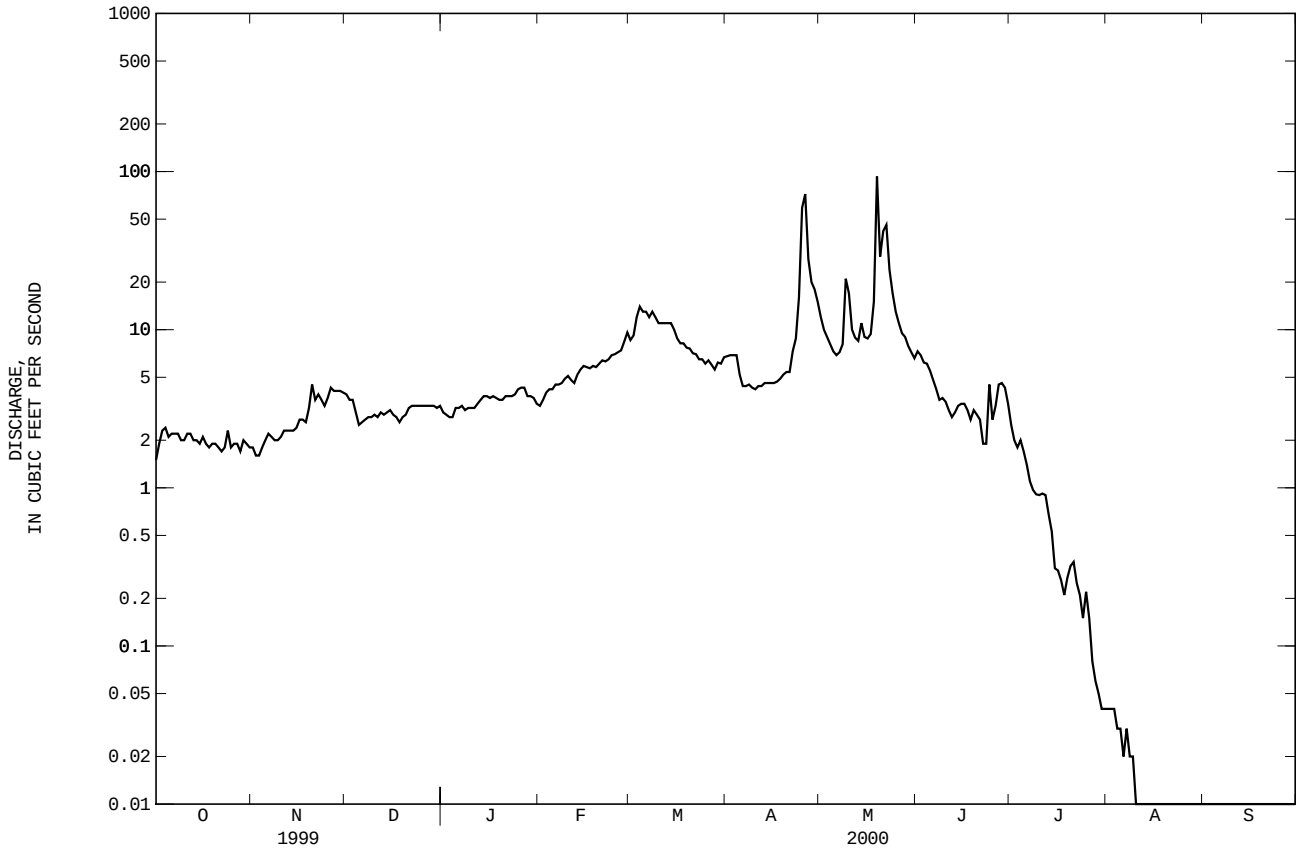
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2000, BY WATER YEAR (WY)

MEAN	12.1	4.02	2.65	8.57	40.2	63.0	24.5	61.9	30.1	10.9	5.89	4.28
MAX	172	25.4	9.97	89.0	336	613	99.3	703	187	68.8	44.8	60.8
(WY)	1995	1999	1995	1974	1997	1978	1999	1978	1984	1982	1993	1986
MIN	.009	.015	.21	.10	.46	1.34	.75	1.04	2.11	.044	.000	.002
(WY)	1992	1982	1982	1991	1989	1981	1981	1992	1988	1980	1991	1991

06324970 LITTLE POWDER RIVER ABOVE DRY CREEK, NEAR WESTON, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1973 - 2000	
ANNUAL TOTAL	8013.44		1790.37		--	
ANNUAL MEAN	22.0		4.89		22.3	
HIGHEST ANNUAL MEAN	--		--		127	1978
LOWEST ANNUAL MEAN	--		--		1.49	1992
HIGHEST DAILY MEAN	401	Apr 12	93	May 19	5000	May 19 1978
LOWEST DAILY MEAN	.46	Aug 28	.00	Aug 17-Sept 4	.00	Many days, some years
ANNUAL SEVEN-DAY MINIMUM	.57	Aug 23	.00	Aug 17	.00	Many days, some years
INSTANTANEOUS PEAK FLOW	--		116	May 19	5300[a]	May 19 1978
INSTANTANEOUS PEAK STAGE	--		4.38	May 19	11.63	Mar 20 1978
ANNUAL RUNOFF (AC-FT)	15890		3550		16140	
10 PERCENT EXCEEDS	70		9.5		36	
50 PERCENT EXCEEDS	4.3		3.3		3.0	
90 PERCENT EXCEEDS	1.5		.01		.03	

a Gage height, 11.62 ft.
e Estimated.



06392900 BEAVER CREEK AT MALLO CAMP, NEAR FOUR CORNERS, WY

LOCATION.--Lat 44°05'06", long 104°03'36", in SE$^1/_4$ NE$^1/_4$ NE$^1/_4$ sec.4, T.47 N., R.60 W., Weston County, Hydrologic Unit 10120107, on right bank in Mallo Campgrounds, 250 ft upstream from mouth, 750 ft upstream from dam on Stockade Beaver Creek, and 3.8 mi east of Four Corners.

DRAINAGE AREA.--10.3 mi^2.

PERIOD OF RECORD.--October 1974 to September 1982, April 1991 to current year.

REVISED RECORD.--WDR-85-1: 1981, 1982.

GAGE.--Water-stage recorder. Elevation of gage is 6,030 ft above sea level, from topographic map. October 1974 to September 1982, at site 50 ft upstream and datum 3.11 ft lower.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. No diversions upstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	2.4	2.9	2.6	2.2	2.8	2.6	3.4	2.1	2.6	2.1	2.9
2	2.6	e2.3	2.9	2.6	2.4	2.8	2.6	3.2	2.9	2.5	1.8	2.9
3	2.5	2.6	2.9	e2.0	2.4	2.8	2.6	3.2	3.1	2.0	1.8	2.8
4	4.0	4.2	2.8	e1.5	2.3	2.8	2.6	3.0	2.7	1.9	1.7	2.6
5	3.7	4.0	e2.1	e2.3	2.5	2.8	2.6	2.7	2.6	1.8	3.1	3.6
6	2.3	4.0	2.9	2.2	2.5	2.8	4.1	2.6	3.4	2.8	2.7	3.1
7	2.4	4.0	2.8	2.1	2.5	2.8	3.6	2.6	2.7	2.5	2.6	3.0
8	3.9	4.0	e2.4	2.1	2.4	2.8	3.6	3.4	2.7	2.2	2.9	2.9
9	2.2	4.0	e1.7	2.2	2.4	2.8	3.6	3.2	3.4	1.8	3.1	2.9
10	2.3	3.9	e2.4	2.1	2.4	2.8	3.5	3.3	2.7	1.9	3.0	2.9
11	2.5	3.9	2.6	2.2	2.4	2.6	3.1	4.0	2.7	1.7	2.9	2.9
12	2.5	3.5	2.6	2.3	2.4	2.6	2.9	3.5	2.6	1.6	2.9	2.9
13	4.0	3.5	2.6	2.1	2.4	2.6	3.8	3.1	2.6	1.6	2.9	2.6
14	3.6	3.5	2.6	2.2	2.4	2.6	3.5	2.8	2.3	2.7	3.5	3.4
15	1.9	3.5	2.5	2.4	2.3	2.6	3.5	2.8	2.2	2.6	3.1	3.2
16	2.5	3.5	2.5	2.4	2.3	2.6	3.2	3.5	3.0	2.6	3.0	3.1
17	2.5	3.5	2.5	2.3	2.3	2.6	2.9	2.9	2.7	2.8	2.9	3.1
18	2.5	3.4	2.5	2.3	2.3	2.6	2.9	2.7	2.6	2.6	2.9	3.1
19	2.4	3.2	e2.4	2.3	2.2	2.6	3.0	2.5	2.6	2.3	2.9	3.1
20	4.3	3.2	e2.0	e2.0	e2.1	2.6	3.8	2.4	2.7	2.2	2.9	3.4
21	3.9	3.2	2.9	2.4	2.3	2.6	3.4	2.2	2.7	2.1	2.7	3.3
22	3.3	3.2	2.6	2.4	2.3	2.6	3.5	3.1	2.5	3.3	2.5	3.2
23	3.2	3.2	2.6	e2.3	2.3	2.7	4.2	3.0	3.2	2.4	2.4	3.2
24	4.2	e2.0	2.5	e2.1	2.3	2.8	3.5	2.8	2.8	2.4	2.3	3.2
25	4.1	e2.5	2.6	e2.2	2.3	2.8	3.5	2.7	2.4	2.3	3.4	3.2
26	3.8	3.0	2.6	2.4	2.1	2.8	3.1	2.7	2.0	2.2	3.1	3.2
27	3.2	3.0	2.6	2.4	e3.0	2.8	3.0	2.6	1.9	1.9	3.0	3.2
28	4.3	2.9	2.6	2.4	2.9	2.8	2.9	3.1	1.8	1.6	2.9	3.2
29	4.0	2.9	2.6	2.4	2.8	2.8	2.9	2.6	1.7	2.7	2.9	3.2
30	3.5	2.9	2.6	2.2	---	2.7	2.8	2.4	2.8	2.4	2.9	3.2
31	3.3	---	2.6	2.1	---	2.6	---	2.2	---	2.3	2.9	---
TOTAL	97.9	98.9	79.4	69.5	69.4	84.0	96.8	90.2	78.1	70.3	85.7	92.5
MEAN	3.16	3.30	2.56	2.24	2.39	2.71	3.23	2.91	2.60	2.27	2.76	3.08
MAX	4.3	4.2	2.9	2.6	3.0	2.8	4.2	4.0	3.4	3.3	3.5	3.6
MIN	1.9	2.0	1.7	1.5	2.1	2.6	2.6	2.2	1.7	1.6	1.7	2.6
AC-FT	194	196	157	138	138	167	192	179	155	139	170	183

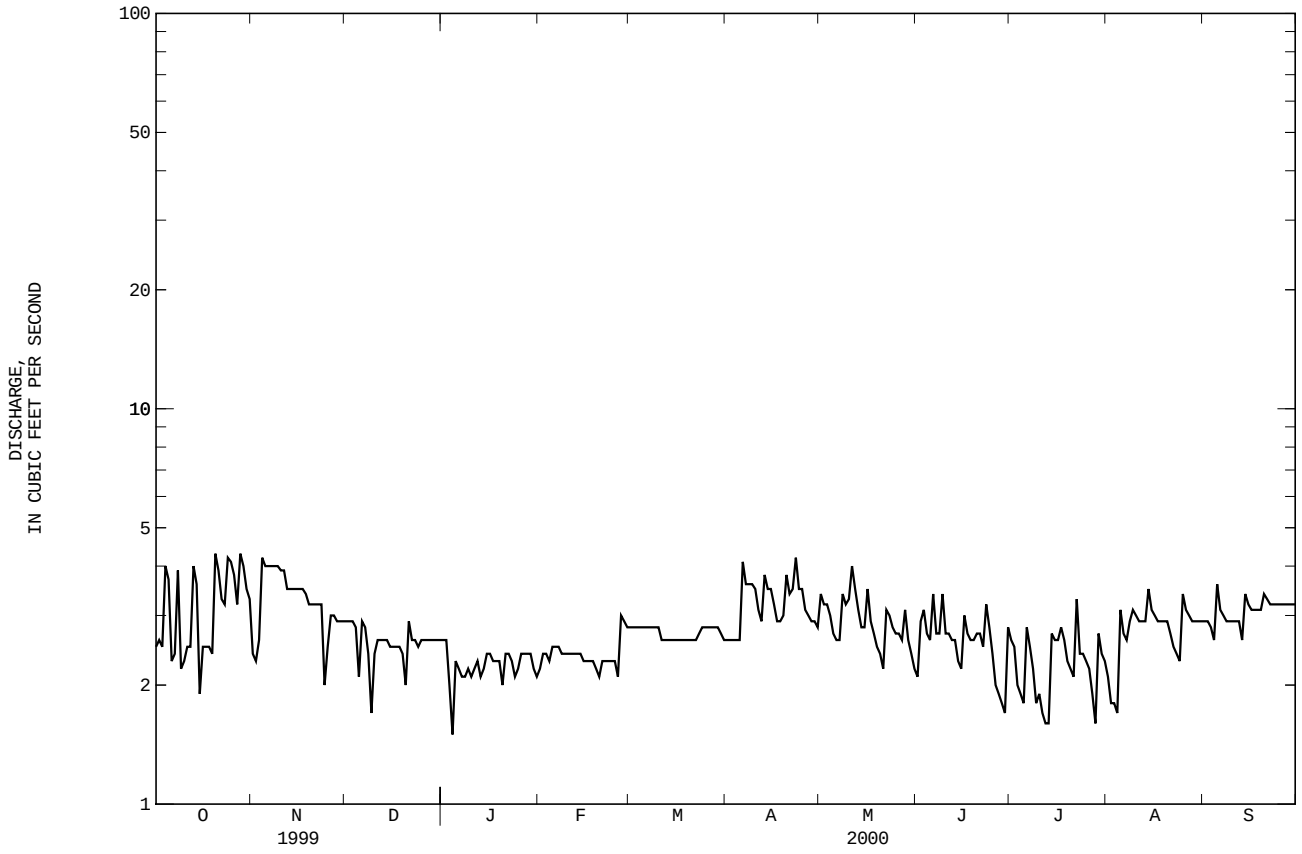
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2000, BY WATER YEAR (WY)

MEAN	1.90	1.80	1.69	1.61	1.79	2.10	2.37	2.24	2.42	2.13	1.99	1.95
MAX	3.16	3.30	2.68	2.95	2.90	5.83	4.07	3.44	4.05	3.09	2.89	3.08
(WY)	2000	2000	1999	1999	1999	1999	1994	1978	1980	1979	1978	2000
MIN	.31	.47	.44	.42	.46	.71	.88	.81	1.34	1.34	.75	.62
(WY)	1977	1977	1977	1993	1977	1977	1993	1993	1994	1993	1976	1976

06392900 BEAVER CREEK AT MALLO CAMP, NEAR FOUR CORNERS, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1975 - 2000	
ANNUAL TOTAL	1205.5		1012.7		--	
ANNUAL MEAN	3.30		2.77		2.01	
HIGHEST ANNUAL MEAN	--		--		3.20	1999
LOWEST ANNUAL MEAN	--		--		.94	1977
HIGHEST DAILY MEAN	34	Mar 26	4.3	Oct 20	34	Mar 26 1999
LOWEST DAILY MEAN	1.5	Apr 5	1.5	Jan 4	.10	Jan 20 1993
ANNUAL SEVEN-DAY MINIMUM	2.3	May 21	1.9	Jul 7	.12	Jan 17 1993
INSTANTANEOUS PEAK FLOW	--		30[a]	Apr 6	103[b]	Apr 22 1994
INSTANTANEOUS PEAK STAGE	--		2.19[c]	Jan 4	2.88[c]	Dec 25 1998
ANNUAL RUNOFF (AC-FT)	2390		2010		1460	
10 PERCENT EXCEEDS	4.0		3.5		2.9	
50 PERCENT EXCEEDS	3.0		2.7		1.9	
90 PERCENT EXCEEDS	2.3		2.2		1.1	

a Gage height, 1.60 ft.
b From rating curve extended above 85 ft^3/s.
c Backwater from ice.
e Estimated.



06392950 STOCKADE BEAVER CREEK NEAR NEWCASTLE, WY

LOCATION.--Lat 43°51'32", long 104°06'24", in SW$^1/_4$ SE$^1/_4$ sec.19, T.45 N., R.60 W., Weston County, Hydrologic Unit 10120107, on right bank 20 ft upstream of culvert on county road, 0.6 mi upstream from South Draw, 2.5 mi upstream from LAK Reservoir Dam, and 4.7 mi east of Newcastle.

DRAINAGE AREA.--107 mi^2.

PERIOD OF RECORD.--October 1974 to September 1982, April 1991 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,460 ft above sea level, from topographic map. October 1974 to September 1982, at same site and datum.

REMARKS.--Records good. A few small diversions upstream from station for irrigation.

EXTREMES FOR CURRENT YEAR.--No peak discharge greater than base discharge of 50 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)
May 11	1500	*22	*6.89

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	19	19	18	18	19	21	19	17	15	16	14
2	19	19	19	18	18	19	21	19	17	15	16	15
3	19	18	19	17	18	18	21	19	16	14	16	15
4	19	18	18	17	18	18	19	19	15	15	17	14
5	19	18	18	17	17	18	19	19	14	15	17	14
6	19	18	18	17	17	19	19	19	14	15	17	14
7	19	18	18	18	17	19	19	19	14	14	17	14
8	19	18	18	18	18	19	18	19	14	14	17	14
9	19	18	18	18	18	19	18	19	14	14	17	14
10	19	18	18	18	18	19	18	19	13	14	16	14
11	18	18	18	18	18	19	18	21	14	16	16	15
12	18	18	18	18	18	19	19	21	14	16	17	15
13	18	19	18	18	18	19	18	20	15	16	16	15
14	19	19	18	18	18	19	18	19	15	16	16	15
15	19	18	18	17	18	19	19	19	15	16	16	15
16	19	18	18	17	17	19	19	19	16	16	14	15
17	19	18	18	17	17	19	20	19	16	16	14	15
18	19	19	18	17	17	19	19	18	16	16	13	15
19	19	19	18	17	17	19	21	18	16	16	13	15
20	19	19	18	17	17	19	21	18	16	16	13	16
21	19	19	18	17	17	19	21	18	16	16	13	17
22	19	19	18	17	17	20	20	18	16	16	13	17
23	19	19	18	18	17	20	19	18	16	16	13	17
24	19	19	18	18	18	20	20	17	16	16	13	18
25	19	19	18	18	18	20	20	17	17	16	13	17
26	19	19	18	18	18	20	20	17	16	16	13	17
27	19	19	18	18	18	20	20	17	16	16	13	16
28	19	19	18	18	18	20	19	17	15	17	13	16
29	19	19	18	18	18	20	19	17	16	17	13	16
30	19	19	18	18	---	21	19	17	16	17	13	16
31	19	---	18	18	---	21	---	17	---	16	14	---
TOTAL	585	557	561	546	511	598	582	572	461	484	458	460
MEAN	18.9	18.6	18.1	17.6	17.6	19.3	19.4	18.5	15.4	15.6	14.8	15.3
MAX	19	19	19	18	18	21	21	21	17	17	17	18
MIN	18	18	18	17	17	18	18	17	13	14	13	14
AC-FT	1160	1100	1110	1080	1010	1190	1150	1130	914	960	908	912

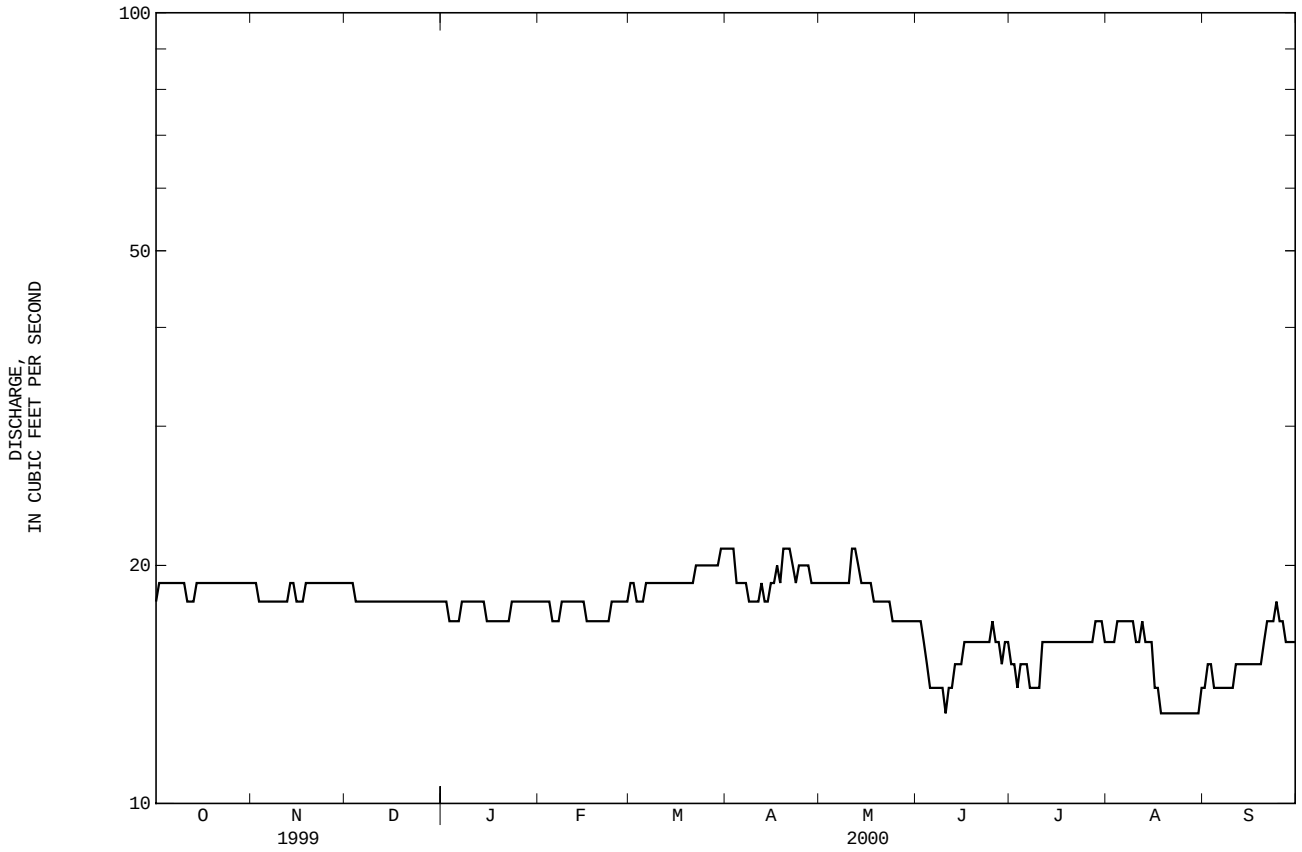
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2000, BY WATER YEAR (WY)

MEAN	13.1	13.2	13.1	12.8	13.2	14.6	13.6	11.1	11.6	11.6	12.0	12.8
MAX	18.9	18.6	18.1	17.6	17.6	21.3	19.4	18.5	17.8	17.0	20.9	20.0
(WY)	2000	2000	2000	2000	2000	1996	2000	2000	1999	1999	1999	1999
MIN	9.40	9.74	10.2	9.52	10.6	10.8	9.53	6.45	5.92	8.24	6.33	8.89
(WY)	1982	1994	1993	1980	1993	1993	1981	1992	1992	1981	1992	1991

06392950 STOCKADE BEAVER CREEK NEAR NEWCASTLE, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1975 - 2000	
ANNUAL TOTAL	6405		6375		--	
ANNUAL MEAN	17.5		17.4		12.8	
HIGHEST ANNUAL MEAN	--		--		17.4	2000
LOWEST ANNUAL MEAN	--		--		9.80	1992
HIGHEST DAILY MEAN	57	Aug 29	21	Many days	143	Jul 16 1993
LOWEST DAILY MEAN	14	Jan 3	13	Jun 10	3.9	May 21 1992
ANNUAL SEVEN-DAY MINIMUM	14	Mar 20	13	Aug 18	4.6	Aug 2 1992
INSTANTANEOUS PEAK FLOW	--		22	May 11	776[a]	Jul 16 1993
INSTANTANEOUS PEAK STAGE	--		6.89	May 11	12.44	Jul 16 1993
ANNUAL RUNOFF (AC-FT)	12700		12640		9240	
10 PERCENT EXCEEDS	20		19		17	
50 PERCENT EXCEEDS	18		18		12	
90 PERCENT EXCEEDS	15		14		8.8	

a From rating curve extended above 18 ft^3/s on basis of culvert backwater computation.



06395000 CHEYENNE RIVER AT EDGEMONT, SD

LOCATION.--Lat 43°18'20", long 103°49'14", in $SW^1/_4$ $SE^1/_4$ $SE^1/_4$ sec.36, T.8 S., R.2 E., Fall River County, Hydrologic Unit 10120106, on right bank at downstream side of bridge on U.S. Highway 18, at Edgemont, 300 ft downstream from Burlington Northern Railroad bridge, and 600 ft upstream from Cottonwood Creek.

DRAINAGE AREA.--7,143 mi^2.

PERIOD OF RECORD.--June 1903 to November 1906 (no winter records), April 1928 to February 1933 (monthly discharge only), October 1946 to current year.

REVISED RECORDS.--WSP 1086: Drainage area. WSP 1116: 1947. WDR SD-78-1: 1977.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 3,414.56 ft above sea level. Prior to Dec. 1, 1906, nonrecording gage 20 ft upstream at datum 0.7 ft lower. Apr. 11, 1928, to Feb. 28, 1933, Oct. 4, 1946, to Oct. 23, 1947, and Jan. 11, 1961, to Apr. 24, 1963, nonrecording gage, and Oct. 24, 1947, to Jan. 10, 1961, and Apr. 25, 1963, to Sept. 30, 1972, water-stage recorder all at present site at datum 2.00 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Many small reservoirs above station used for stock and irrigation water, total capacity, about 45,000 acre-ft. U.S. Bureau of Reclamation satellite data-collection platform at station. Station operated and record provided by the South Dakota District.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 12, 1920, reached a stage of 13.0 ft and May 1, 1922, 14.0 ft, present datum, from floodmarks at railroad bridge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	16	35	e19	e17	e50	30	123	24	15	5.4	1.6
2	28	16	34	e19	e15	e49	29	115	22	14	8.2	1.9
3	28	16	34	e18	e17	e50	28	108	23	19	34	1.3
4	30	16	33	e17	e18	e55	37	94	24	11	22	1.1
5	31	17	e30	e20	e19	e60	38	79	20	8.9	14	.96
6	32	27	e29	e20	e20	e70	32	66	19	77	18	.96
7	31	29	e28	e18	e21	e75	30	64	18	48	13	.94
8	30	26	e27	e20	e23	77	26	83	16	19	10	.91
9	30	24	e25	e20	e25	82	25	102	12	37	10	.94
10	29	29	e23	e19	e21	80	22	85	13	64	13	1.0
11	29	30	e21	e20	e20	69	21	74	14	64	11	.96
12	29	30	e20	e22	e19	68	20	58	15	61	9.0	1.3
13	29	30	e18	e25	e18	64	18	55	16	29	5.6	3.2
14	29	29	e18	e26	e18	63	17	86	16	18	3.1	2.8
15	29	29	e16	e28	e18	61	20	137	16	28	1.7	3.8
16	25	29	e21	e30	e19	60	24	102	15	17	1.2	4.7
17	21	29	e21	e30	e20	57	25	70	15	12	1.1	3.1
18	28	34	e20	e33	e25	55	30	55	15	12	.91	1.9
19	29	34	e18	e38	e35	53	392	54	15	14	.74	2.8
20	29	34	e15	e40	e60	56	1160	48	15	21	.68	3.6
21	29	34	e15	e39	e75	52	1010	51	12	17	.72	3.8
22	30	33	e15	e37	e90	51	930	49	12	22	.91	7.0
23	30	32	e17	e35	e100	49	621	46	16	13	.87	8.0
24	30	27	e18	e35	e115	48	361	43	15	9.8	.81	11
25	30	23	e20	e30	e113	46	239	40	14	7.7	.73	12
26	30	31	e20	e30	e100	45	219	40	16	9.4	.66	12
27	30	36	e21	e30	e80	34	167	38	26	11	.71	13
28	29	38	e21	e30	e70	30	146	34	21	8.9	3.3	15
29	25	36	e20	e25	e60	42	140	33	18	11	3.2	15
30	18	35	e20	e20	---	41	139	31	18	7.7	1.3	15
31	18	---	e19	e18	---	33	---	26	---	5.2	1.4	---
TOTAL	872	849	692	811	1251	1725	5996	2089	511	711.6	197.24	151.57
MEAN	28.1	28.3	22.3	26.2	43.1	55.6	200	67.4	17.0	23.0	6.36	5.05
MAX	32	38	35	40	115	82	1160	137	26	77	34	15
MIN	18	16	15	17	15	30	17	26	12	5.2	.66	.91
AC-FT	1730	1680	1370	1610	2480	3420	11890	4140	1010	1410	391	301

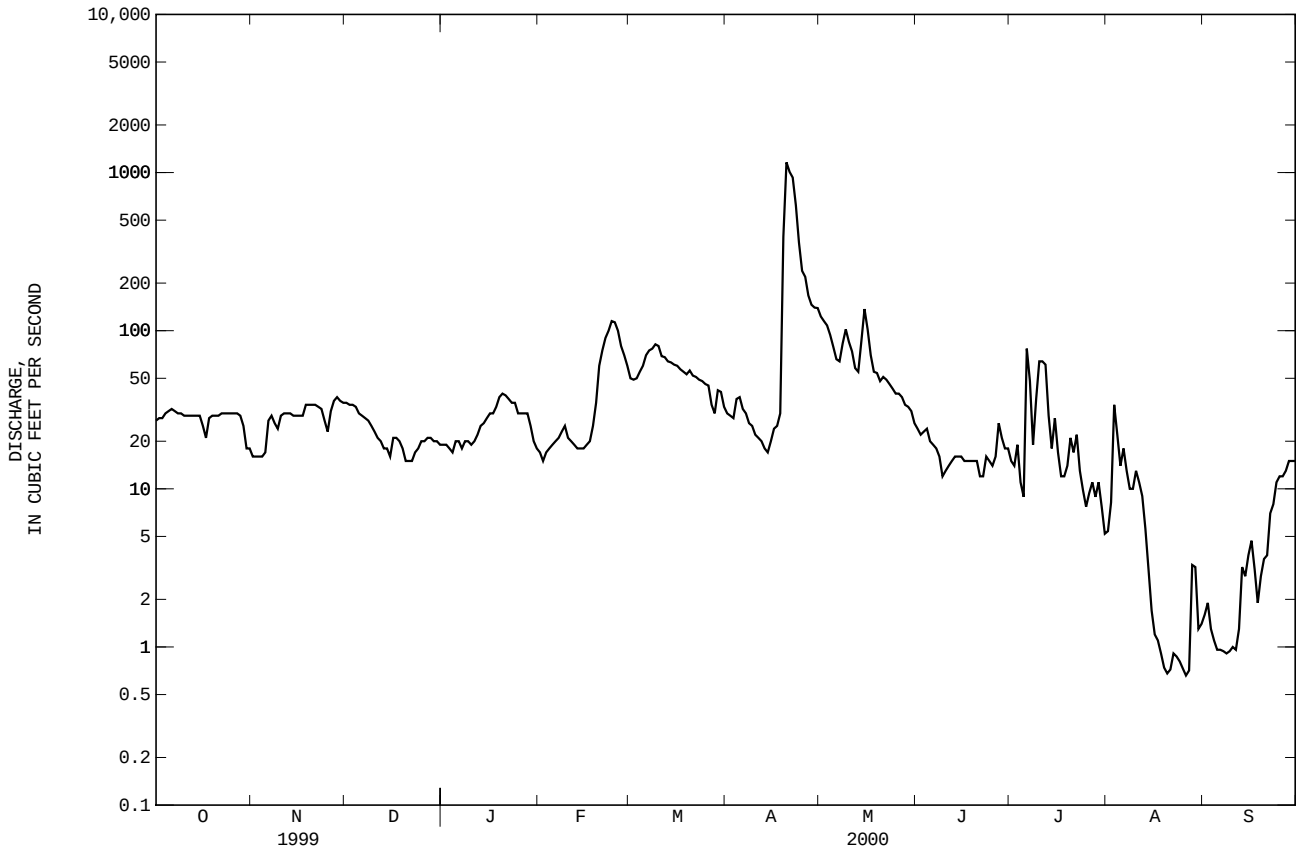
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2000, BY WATER YEAR (WY)

MEAN	22.1	16.7	8.91	8.74	42.2	122	68.1	217	254	125	67.7	26.9
MAX	291	266	50.5	37.3	302	506	558	2192	2084	806	388	275
(WY)	1999	1999	1999	1999	1997	1994	1955	1978	1962	1958	1955	1973
MIN	.000	.023	.000	.000	.000	3.39	.22	.27	1.76	.15	.000	.000
(WY)	1961	1962	1960	1950	1960	1961	1961	1960	1966	1985	1960	1956

06395000 CHEYENNE RIVER AT EDGEMONT, SD--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1929-1932, 1947-2000	
ANNUAL TOTAL	36711		15856.41		--	
ANNUAL MEAN	101		43.3		81.8[a]	
HIGHEST ANNUAL MEAN	--		--		434	1962
LOWEST ANNUAL MEAN	--		--		12.0	1988
HIGHEST DAILY MEAN	2330	Jun 13	1160	Apr 20	24000	May 20 1978
LOWEST DAILY MEAN	15	Dec 20	.66	Aug 26	.00	Many days, most years
ANNUAL SEVEN-DAY MINIMUM	17	Oct 30	.77	Aug 20	.00	Many years
INSTANTANEOUS PEAK FLOW	--		1450	Apr 20	28000	May 20 1978
INSTANTANEOUS PEAK STAGE	--		5.64	Apr 20	13.65	May 20 1978
ANNUAL RUNOFF (AC-FT)	72820		31450		59240	
10 PERCENT EXCEEDS	147		71		155[b]	
50 PERCENT EXCEEDS	43		25		12[b]	
90 PERCENT EXCEEDS	21		3.7		.10[b]	

a Median of annual mean discharge, 68 ft^3/s.
b Reflects water years 1947-2000 only.
e Estimated.



06426130 DONKEY CREEK NEAR GILLETTE, WY

LOCATION.--Lat 44°16'04", long 105°26'17", in NW$^{1}/_{4}$ NW$^{1}/_{4}$ SW$^{1}/_{4}$ sec. 31, T.50 N., R.71 W., Campbell County, Hydrologic Unit 10120201, on right bank 0.2 mi upstream from mouth and 3.0 mi southeast of Gillette.

DRAINAGE AREA.--63.4 mi^{2}.

PERIOD OF RECORD.--July to September 2000.

GAGE.--Water-stage recorder. Elevation of gage is 4460 ft above sea level, from topographic map.

REMARKS.--Records fair. Natural flow of stream affected by numerous small reservoirs and diversions for irrigation and coalbed methane production water. Result of discharge measurement, in cubic feet per second, made during the period when station was not in operation is given below:

June 21. . . 0.07

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	.00	.00
2	---	---	---	---	---	---	---	---	---	---	.00	.06
3	---	---	---	---	---	---	---	---	---	---	.00	.06
4	---	---	---	---	---	---	---	---	---	---	.00	.04
5	---	---	---	---	---	---	---	---	---	.05	.00	.02
6	---	---	---	---	---	---	---	---	---	.04	.00	.00
7	---	---	---	---	---	---	---	---	---	.04	.00	.00
8	---	---	---	---	---	---	---	---	---	.03	.00	.00
9	---	---	---	---	---	---	---	---	---	.01	.00	.00
10	---	---	---	---	---	---	---	---	---	.00	.00	.00
11	---	---	---	---	---	---	---	---	---	.00	.00	.00
12	---	---	---	---	---	---	---	---	---	.00	.00	.00
13	---	---	---	---	---	---	---	---	---	.00	.00	.00
14	---	---	---	---	---	---	---	---	---	.00	.00	.00
15	---	---	---	---	---	---	---	---	---	.00	.00	.00
16	---	---	---	---	---	---	---	---	---	.00	.00	.00
17	---	---	---	---	---	---	---	---	---	.00	.00	.00
18	---	---	---	---	---	---	---	---	---	.00	.00	.00
19	---	---	---	---	---	---	---	---	---	.00	.00	.00
20	---	---	---	---	---	---	---	---	---	.00	.00	.00
21	---	---	---	---	---	---	---	---	---	.00	.00	.00
22	---	---	---	---	---	---	---	---	---	.00	.00	.00
23	---	---	---	---	---	---	---	---	---	.00	.00	.00
24	---	---	---	---	---	---	---	---	---	.00	.00	.02
25	---	---	---	---	---	---	---	---	---	.00	.00	.11
26	---	---	---	---	---	---	---	---	---	.00	.00	.08
27	---	---	---	---	---	---	---	---	---	.00	.00	.06
28	---	---	---	---	---	---	---	---	---	.00	.00	.05
29	---	---	---	---	---	---	---	---	---	.00	.00	.04
30	---	---	---	---	---	---	---	---	---	.00	.00	.04
31	---	---	---	---	---	---	---	---	---	.00	.00	---
TOTAL	---	---	---	---	---	---	---	---	---	0.17	0.00	0.58
MEAN	---	---	---	---	---	---	---	---	---	.006	.000	.019
MAX	---	---	---	---	---	---	---	---	---	.05	.00	.11
MIN	---	---	---	---	---	---	---	---	---	.00	.00	.00
AC-FT	---	---	---	---	---	---	---	---	---	.3	.00	1.2

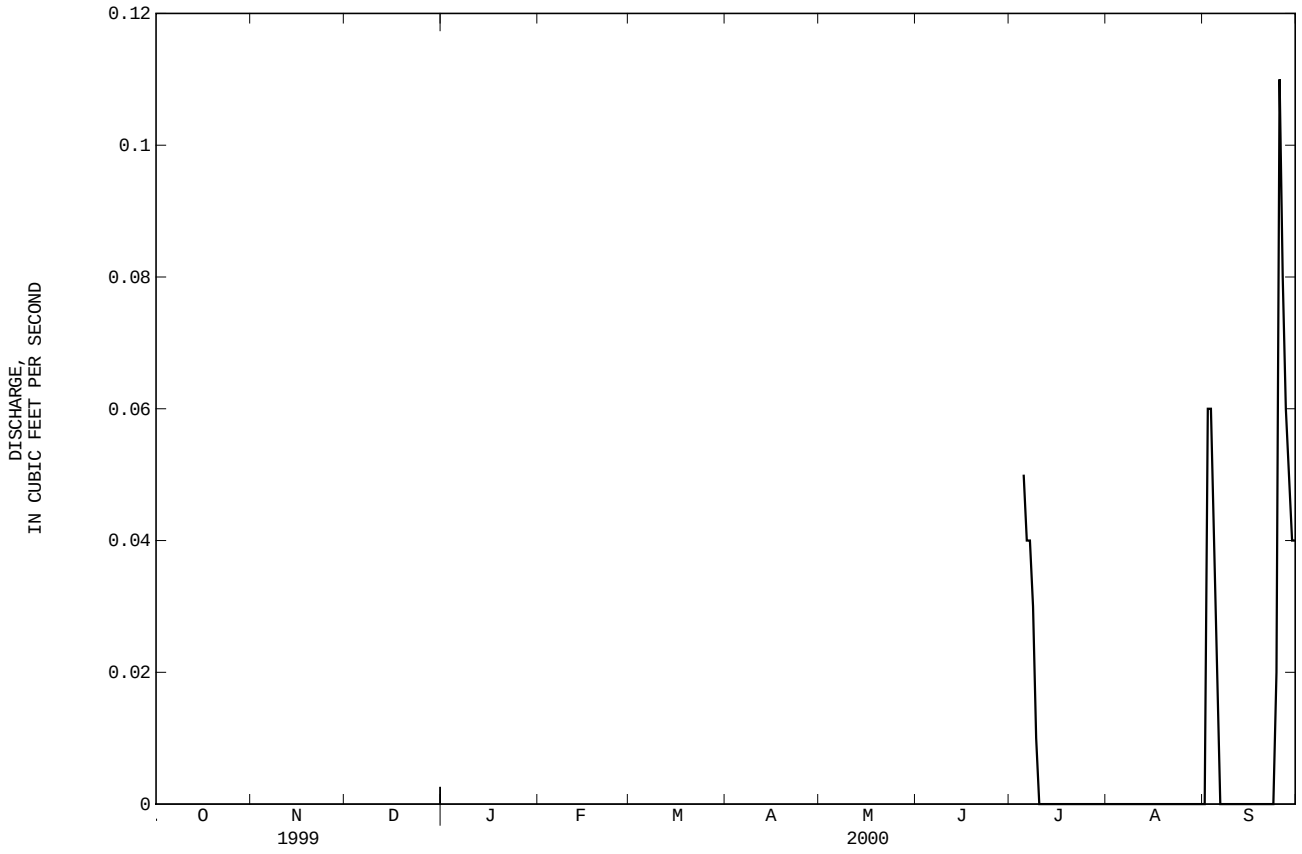
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2000, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	---	---	---	.000	.019
MAX	---	---	---	---	---	---	---	---	---	---	.000	.019
(WY)	---	---	---	---	---	---	---	---	---	---	2000	2000
MIN	---	---	---	---	---	---	---	---	---	---	.000	.019
(WY)	---	---	---	---	---	---	---	---	---	---	2000	2000

06426130 DONKEY CREEK NEAR GILLETTE, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*	
HIGHEST DAILY MEAN	.11	Sep 25
LOWEST DAILY MEAN	.00	Many days
INSTANTANEOUS PEAK FLOW	.12	Sep 25
INSTANTANEOUS PEAK STAGE	1.21	Sep 25

* During period of operation.



06426160 STONEPILE CREEK AT MOUTH NEAR GILLETTE, WY

LOCATION.--Lat 44°16'04", lnog 105°26'17", in $NW^1/_4$ $NW^1/_4$ $SW^1/_4$ sec. 31. T.50 N., R.71 W., Campbell County, Hydrologic Unit 10120201, on right bank 0.2 mi upstream form mouth and 3.0 mi southeast of Gillette.

DRAINAGE AREA.--14.5 mi^2.

PERIOD OF RECORD.--July to September 2000.

GAGE.--Water-stage recorder. Elevation of gage is 4460 ft above sea level, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Natural flow of stream affected by City of Gillette Wastewater Treatment Facility. Data collection platform with satellite telemetry at station. Result of discharge measurement, in cubic feet per second, made during the period when station was not in operation is given below:

June 21. . . 4.72

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	2.6	2.7
2	---	---	---	---	---	---	---	---	---	---	2.8	2.5
3	---	---	---	---	---	---	---	---	---	---	2.7	2.2
4	---	---	---	---	---	---	---	---	---	---	2.7	2.6
5	---	---	---	---	---	---	---	---	---	2.4	2.7	2.5
6	---	---	---	---	---	---	---	---	---	2.3	2.6	2.4
7	---	---	---	---	---	---	---	---	---	e2.3	3.0	2.5
8	---	---	---	---	---	---	---	---	---	e2.4	3.3	2.6
9	---	---	---	---	---	---	---	---	---	e2.4	2.9	2.6
10	---	---	---	---	---	---	---	---	---	e2.4	2.7	3.3
11	---	---	---	---	---	---	---	---	---	2.4	3.2	2.9
12	---	---	---	---	---	---	---	---	---	2.3	2.7	2.8
13	---	---	---	---	---	---	---	---	---	2.9	2.8	2.9
14	---	---	---	---	---	---	---	---	---	2.9	3.1	3.3
15	---	---	---	---	---	---	---	---	---	2.8	2.9	2.8
16	---	---	---	---	---	---	---	---	---	3.0	2.8	2.7
17	---	---	---	---	---	---	---	---	---	3.5	2.9	3.0
18	---	---	---	---	---	---	---	---	---	3.6	3.0	3.0
19	---	---	---	---	---	---	---	---	---	3.7	2.9	2.6
20	---	---	---	---	---	---	---	---	---	3.5	2.8	2.7
21	---	---	---	---	---	---	---	---	---	3.4	2.9	2.5
22	---	---	---	---	---	---	---	---	---	2.9	3.1	1.4
23	---	---	---	---	---	---	---	---	---	3.0	2.9	1.7
24	---	---	---	---	---	---	---	---	---	3.0	2.6	3.0
25	---	---	---	---	---	---	---	---	---	2.9	2.9	3.1
26	---	---	---	---	---	---	---	---	---	3.0	2.9	3.0
27	---	---	---	---	---	---	---	---	---	2.7	3.1	2.9
28	---	---	---	---	---	---	---	---	---	2.9	3.1	2.9
29	---	---	---	---	---	---	---	---	---	2.4	3.0	3.3
30	---	---	---	---	---	---	---	---	---	2.4	2.8	3.4
31	---	---	---	---	---	---	---	---	---	2.5	2.5	---
TOTAL	---	---	---	---	---	---	---	---	---	75.9	88.9	81.8
MEAN	---	---	---	---	---	---	---	---	---	2.81	2.87	2.73
MAX	---	---	---	---	---	---	---	---	---	3.7	3.3	3.4
MIN	---	---	---	---	---	---	---	---	---	2.3	2.5	1.4
AC-FT	---	---	---	---	---	---	---	---	---	151	176	162

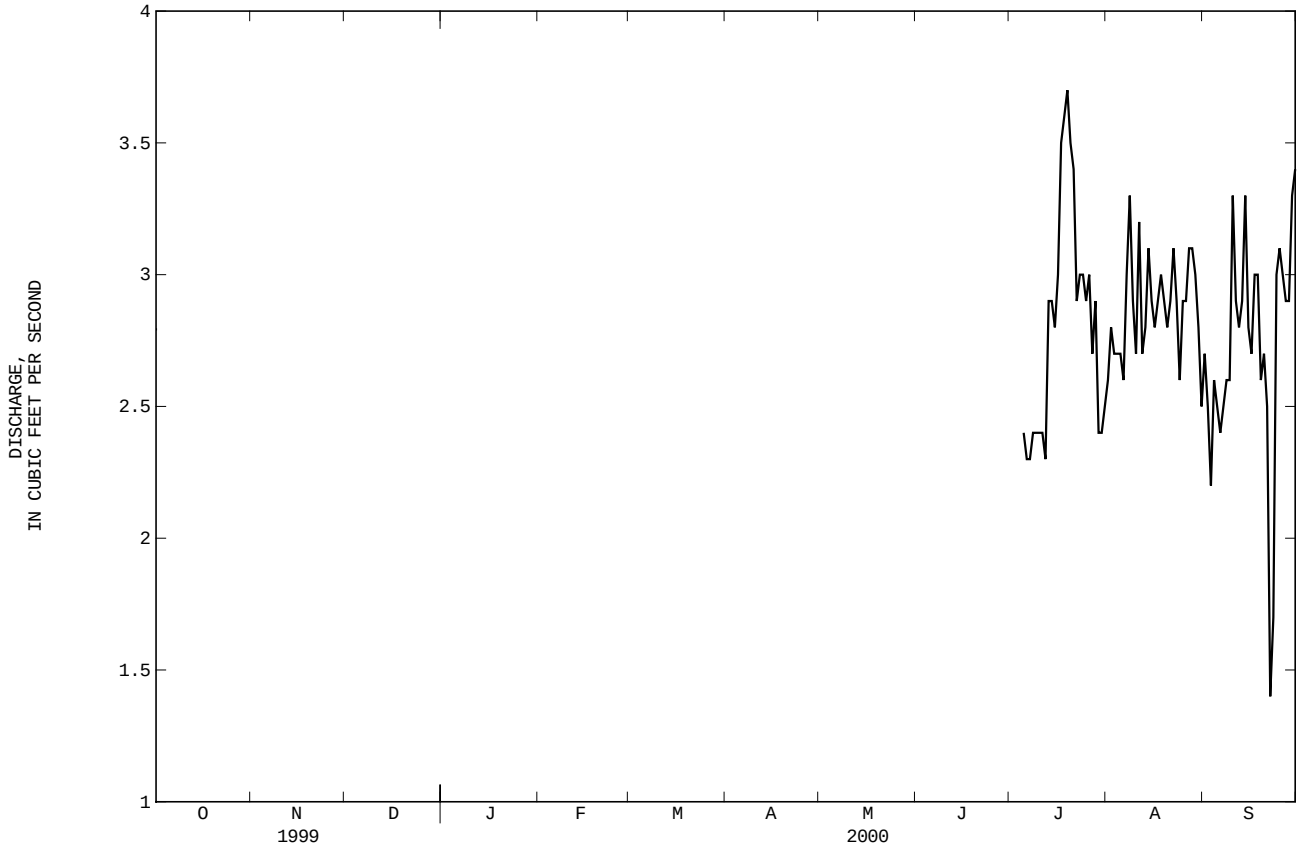
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2000, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	---	---	---	2.87	2.73
MAX	---	---	---	---	---	---	---	---	---	---	2.87	2.73
(WY)	---	---	---	---	---	---	---	---	---	---	2000	2000
MIN	---	---	---	---	---	---	---	---	---	---	2.87	2.73
(WY)	---	---	---	---	---	---	---	---	---	---	2000	2000

06426160 STONEPILE CREEK AT MOUTH NEAR GILLETTE, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*	
HIGHEST DAILY MEAN	3.7	Jul 19
LOWEST DAILY MEAN	1.4	Sep 22
INSTANTANEOUS PEAK FLOW	7.7	Sep 24
INSTANTANEOUS PEAK STAGE	1.41	Sep 24

* During period of operation.
e Estimated.



06426500 BELLE FOURCHE RIVER BELOW MOORCROFT, WY

LOCATION.--Lat 44°19'19", long 104°56'24", in NW$^1/_4$ NW$^1/_4$ sec.17, T.50 N., R.67 W., Crook County, Hydrologic Unit 10120201, on right bank 3.1 mi upstream from bridge on Highway 14, and 4.0 mi northeast of Moorcroft.

DRAINAGE AREA.--1,690 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1943 to September 1970, October 1975 to September 1983, October 1985 to September 1987, October 1990 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,110 ft above sea level, from topographic map. Prior to Mar. 28, 1947, nonrecording gage, and Mar. 28, 1947, to Jan. 16, 1951, water-stage recorder at site 4 mi downstream at different datum. Jan. 17, 1951, to September 1970, water-stage recorder at site 7.9 mi upstream at different datum. September 1970 to Oct. 22, 1993, water-stage recorder at site 8.0 mi upstream at different datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Numerous small stockwater and soil conservation reservoirs upstream from station. Diversions for irrigation upstream from station. Data collection platform with satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--No peak discharge greater than base discharge of 360 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Jul 12	1430	*199	*5.53

No other peak above base discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	4.2	e4.6	e6.0	e5.8	e11	e13	e26	8.9	6.5	.31	.62
2	5.3	5.2	e4.3	e5.8	e5.8	e12	e14	e17	7.9	7.3	.19	.44
3	5.1	6.6	e4.3	e5.6	e6.6	e15	e14	e15	7.1	6.8	.12	.31
4	4.4	6.8	e4.1	e5.6	e6.8	e17	e14	e14	7.1	6.1	.00	.33
5	4.0	6.3	e3.9	e5.8	e6.8	e16	e14	e12	7.9	3.5	.00	.53
6	4.1	6.3	e4.1	e5.9	e7.0	e16	e14	e11	8.5	2.4	.00	.48
7	4.6	5.4	e4.4	e5.8	e7.0	e15	e13	e12	8.5	2.1	.00	.38
8	7.7	4.2	e4.5	e5.6	e7.2	e16	e12	e13	6.9	2.4	.00	.29
9	8.3	3.4	e4.6	e5.8	e7.4	e15	e11	e16	5.7	2.1	.00	.14
10	6.3	3.2	e4.8	e5.8	e7.6	e14	e11	e18	4.9	2.2	.00	.05
11	4.9	e3.2	e4.7	e5.8	e7.4	e14	e11	e22	4.5	2.8	.00	.00
12	5.4	e3.2	e5.0	e6.0	e7.2	e14	e11	e20	4.4	93	.00	.00
13	4.9	e3.2	e4.8	e6.2	e7.8	e14	e11	e17	6.0	49	.00	.00
14	4.2	e3.2	e5.0	e6.2	e8.2	e14	e12	e16	6.2	17	.00	.00
15	4.8	e3.4	e5.2	e6.0	e8.4	e13	e12	e18	6.2	9.6	.00	.00
16	4.8	e3.7	e4.8	e5.8	e8.2	e12	e12	e17	5.8	4.9	.00	.00
17	4.5	e3.7	e4.8	e6.0	e8.0	e11	e13	20	5.4	3.7	.31	.00
18	4.0	e3.6	e4.7	e5.8	e8.2	e10	e13	19	4.8	2.7	.64	.00
19	6.4	e4.3	e5.2	e5.6	e8.0	e10	e13	76	4.3	5.5	.50	.00
20	6.3	e5.6	e5.4	e5.6	e8.2	e9.8	e14	40	4.5	4.3	.34	.80
21	5.7	e4.9	e5.8	e5.8	e8.8	e9.8	e14	44	4.8	3.1	.32	1.7
22	6.6	e5.2	e6.0	e5.8	e8.6	e10	e14	59	4.3	3.4	.36	1.1
23	8.5	e4.8	e6.0	e5.8	e8.8	e11	e15	30	3.8	4.8	1.4	1.0
24	9.3	e4.6	e6.0	e6.2	e9.6	e11	e17	24	4.0	5.5	1.3	.68
25	8.7	e5.0	e6.0	e6.4	e9.8	e12	e18	17	3.7	4.6	1.2	.64
26	7.8	e5.4	e6.0	e6.8	e10	e12	e20	14	4.1	3.5	.93	1.2
27	7.2	e5.2	e6.0	e6.8	e10	e12	e60	14	3.8	2.6	.78	1.3
28	6.3	e5.2	e6.0	e6.6	e11	e11	e70	14	4.9	1.8	.57	1.4
29	5.4	e5.2	e6.0	e6.4	e12	e11	e60	13	4.7	1.5	.51	1.5
30	4.9	e5.0	e5.8	e6.2	---	e12	e40	11	5.1	1.1	.52	1.6
31	4.8	---	e6.2	e6.0	---	e13	---	10	---	.56	.48	---
TOTAL	180.4	139.2	159.0	185.5	236.2	393.6	580	669	168.7	266.36	10.78	16.49
MEAN	5.82	4.64	5.13	5.98	8.14	12.7	19.3	21.6	5.62	8.59	.35	.55
MAX	9.3	6.8	6.2	6.8	12	17	70	76	8.9	93	1.4	1.7
MIN	4.0	3.2	3.9	5.6	5.8	9.8	11	10	3.7	.56	.00	.00
AC-FT	358	276	315	368	469	781	1150	1330	335	528	21	33

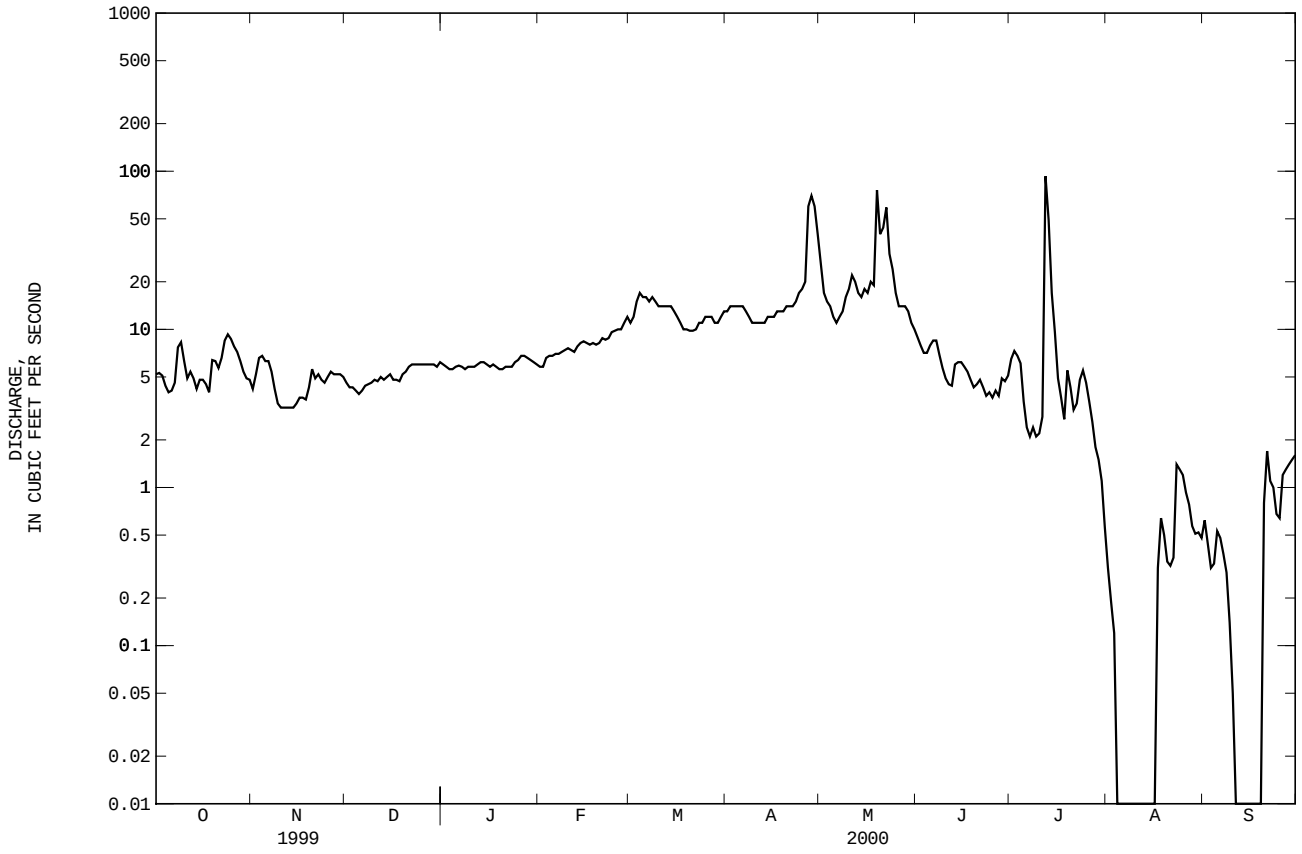
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2000, BY WATER YEAR (WY)

MEAN	5.78	2.32	2.29	3.56	18.4	59.7	27.2	69.2	62.8	19.8	10.6	5.37
MAX	68.0	23.1	22.3	53.5	260	374	190	1057	509	72.5	57.3	63.5
(WY)	1995	1999	1956	1997	1962	1978	1944	1978	1964	1948	1993	1951
MIN	.000	.000	.000	.000	.000	.10	.000	.045	.097	.000	.000	.000
(WY)	1944	1944	1944	1944	1944	1951	1961	1958	1966	1954	1944	1944

06426500 BELLE FOURCHE RIVER BELOW MOORCROFT, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1944 - 2000	
ANNUAL TOTAL	9293.3		3005.23		--	
ANNUAL MEAN	25.5		8.21		24.0	
HIGHEST ANNUAL MEAN	--		--		136	1978
LOWEST ANNUAL MEAN	--		--		1.14	1961
HIGHEST DAILY MEAN	493	Apr 11	93	Jul 12	10300	May 19 1978
LOWEST DAILY MEAN	1.0	Aug 23	.00	Aug 4-16, Sep 11-19	.00	Several days, most years
ANNUAL SEVEN-DAY MINIMUM	1.6	Aug 20	.00[a]	Aug 4	.00[b]	Most years
INSTANTANEOUS PEAK FLOW	--		199[a]	Jul 12	15300[b]	May 19 1978
INSTANTANEOUS PEAK STAGE	--		5.53[a]	Jul 12	14.60[c]	May 19 1978
ANNUAL RUNOFF (AC-FT)	18430		5960		17360	
10 PERCENT EXCEEDS	47		15		35	
50 PERCENT EXCEEDS	8.7		5.8		1.4	
90 PERCENT EXCEEDS	4.1		.47		.00	

a May have been higher during periods of estimated daily discharge.
b From rating curve extended above 11,000 ft^3/s, site and datum then in use.
c From floodmarks in shelter, site and datum then in use.
e Estimated.



06426500 BELLE FOURCHE RIVER BELOW MOORCROFT, WY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947-57, 1975-93, October 1994 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)
OCT								
19...	1010	6.1	665	90	10.2	8.4	2810	6.0
JAN								
06...	1220	5.9	664	73	9.2	7.8	3450	4.0
MAY								
17...	1245	20	651	101	8.8	7.9	2280	8.5
JUL								
31...	1550	.48	660	116	8.3	8.5	2550	31.5

DATE	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
OCT							
19...	4.0	<.020	<.050	<.010	<.010	43	61
JAN							
06...	.0	.722	3.26	.057	.418	K11	111
MAY							
17...	14.0	.202	1.52	.063	.014	490	69
JUL							
31...	24.5	<.020	<.050	<.010	<.010	520	61

K Results based on colony count outside the acceptable range (non-ideal colony count).

06427000 KEYHOLE RESERVOIR NEAR MOORCROFT, WY

LOCATION.--Lat 44°22'55", long 104°46'45", in NW$^1/_4$ NW$^1/_4$ sec.27, T.51 N., R.66 W., Crook County, Hydrologic Unit 10120201, at reservoir dam on Belle Fourche River 12 mi northeast of Moorcroft.

DRAINAGE AREA.--1,953 mi^2.

PERIOD OF RECORD.--March 1952 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level (Bureau of Reclamation datum). Prior to May 15, 1958, and Oct. 1, 1968 to Mar. 13, 1970, nonrecording gages; May 15 1958, to Sept. 30, 1968, water-stage recorder; all at present site and datum.

REMARKS.--Reservoir is formed by a zoned earthfill dam completed by the Bureau of Reclamation Oct. 25, 1952. Storage began Feb. 12, 1952. Dead storage, below elevation 4,036.0 ft, 730 acre-ft. Inactive storage, between elevations 4,036.0 ft and 4,051.0 ft, 7,230 acre-ft. Total capacity below elevation 4,099.3 ft, crest of spillway, 193,800 acre-ft. Figures given herein represent total contents. The reservoir provides flood control and water for irrigation in Wyoming and near Belle Fourche, SD.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily contents, 210,000 acre-ft, May 21, 1978, elevation, 4,100.38 ft; minimum daily contents (since appreciable storage was attained), 6,000 acre-ft, May 8, 9, 1955, elevation, 4,046.35 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily contents, 176,000 acre-ft, May 2-5, May 9-June 4, maximum elevation, 4,097.39 ft; May 21, 23, minimum daily contents, 159,000 acre-ft, Sept. 29, 30, minimum daily elevation, 4,095.36, Sept. 29, 30.

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

4,090	121,000
4,095	156,000
4,100	200,000

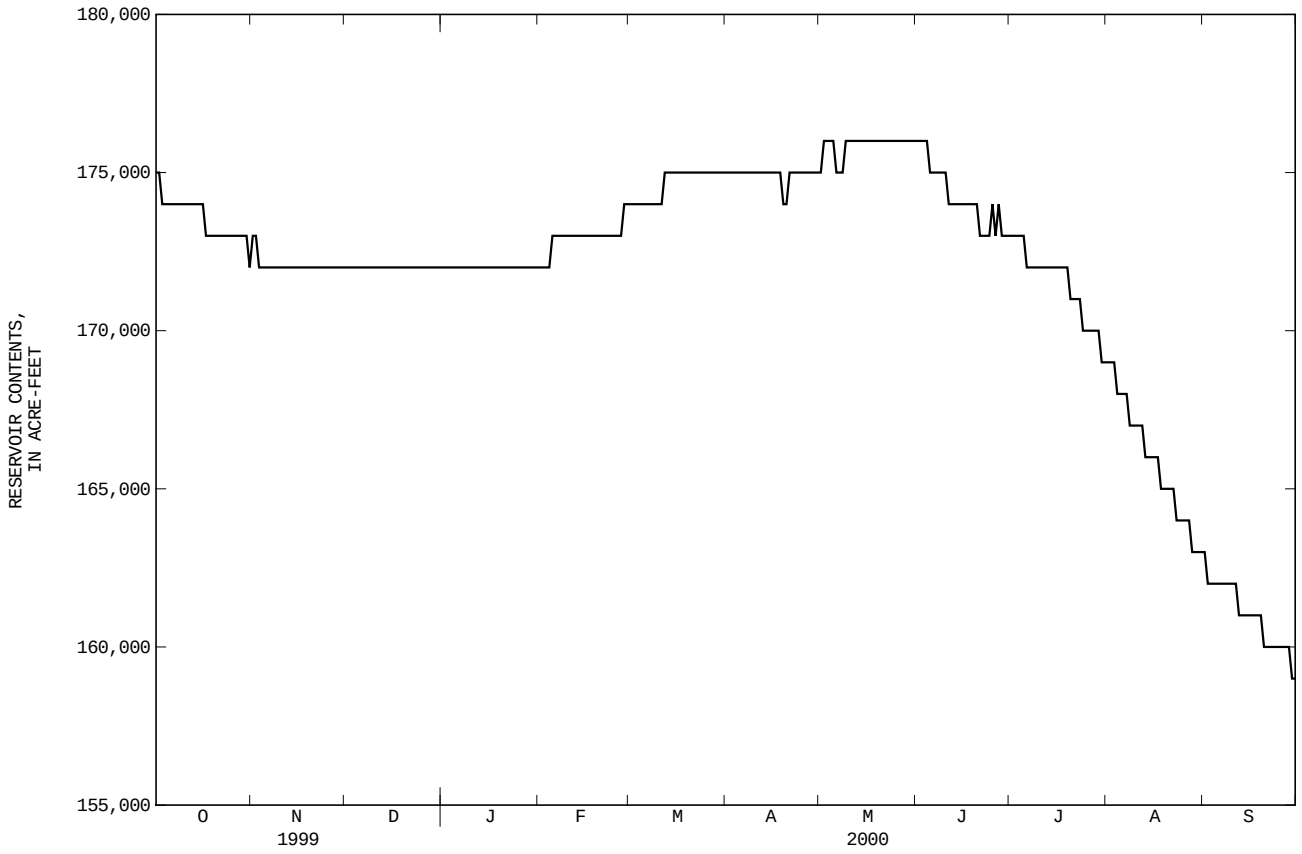
RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	175000	173000	172000	172000	172000	174000	175000	175000	176000	173000	169000	163000
2	175000	173000	172000	172000	172000	174000	175000	176000	176000	173000	169000	162000
3	174000	172000	172000	172000	172000	174000	175000	176000	176000	173000	169000	162000
4	174000	172000	172000	172000	172000	174000	175000	176000	176000	173000	168000	162000
5	174000	172000	172000	172000	173000	174000	175000	176000	175000	173000	168000	162000
6	174000	172000	172000	172000	173000	174000	175000	175000	175000	172000	168000	162000
7	174000	172000	172000	172000	173000	174000	175000	175000	175000	172000	168000	162000
8	174000	172000	172000	172000	173000	174000	175000	175000	175000	172000	167000	162000
9	174000	172000	172000	172000	173000	174000	175000	176000	175000	172000	167000	162000
10	174000	172000	172000	172000	173000	174000	175000	176000	175000	172000	167000	162000
11	174000	172000	172000	172000	173000	174000	175000	176000	174000	172000	167000	162000
12	174000	172000	172000	172000	173000	175000	175000	176000	174000	172000	167000	161000
13	174000	172000	172000	172000	173000	175000	175000	176000	174000	172000	166000	161000
14	174000	172000	172000	172000	173000	175000	175000	176000	174000	172000	166000	161000
15	174000	172000	172000	172000	173000	175000	175000	176000	174000	172000	166000	161000
16	174000	172000	172000	172000	173000	175000	175000	176000	174000	172000	166000	161000
17	173000	172000	172000	172000	173000	175000	175000	176000	174000	172000	166000	161000
18	173000	172000	172000	172000	173000	175000	175000	176000	174000	172000	165000	161000
19	173000	172000	172000	172000	173000	175000	174000	176000	174000	172000	165000	161000
20	173000	172000	172000	172000	173000	175000	174000	176000	174000	171000	165000	160000
21	173000	172000	172000	172000	173000	175000	175000	176000	173000	171000	165000	160000
22	173000	172000	172000	172000	173000	175000	175000	176000	173000	171000	165000	160000
23	173000	172000	172000	172000	173000	175000	175000	176000	173000	171000	164000	160000
24	173000	172000	172000	172000	173000	175000	175000	176000	173000	170000	164000	160000
25	173000	172000	172000	172000	173000	175000	175000	176000	174000	170000	164000	160000
26	173000	172000	172000	172000	173000	175000	175000	176000	173000	170000	164000	160000
27	173000	172000	172000	172000	173000	175000	175000	176000	174000	170000	164000	160000
28	173000	172000	172000	172000	174000	175000	175000	176000	173000	170000	163000	160000
29	173000	172000	172000	172000	174000	175000	175000	176000	173000	170000	163000	159000
30	173000	172000	172000	172000	---	175000	175000	176000	173000	169000	163000	159000
31	172000	---	172000	172000	---	175000	---	176000	---	169000	163000	---
MAX	175000	173000	172000	172000	174000	175000	175000	176000	176000	173000	169000	163000
MIN	172000	172000	172000	172000	172000	174000	174000	175000	173000	169000	163000	159000
(#)	4,096.94	4,096.86	4,096.87	4,096.92	4,097.06	4,097.22	4,097.27	4,097.35	4,097.04	4,096.55	4,095.80	4,095.36
(*)	-3,000	0	0	0	+2,000	+1,000	0	+1,000	-3,000	-4,000	-6,000	-4,000

WTR YR 2000 MAX 176,000 MIN 159,000 (*) -16,000

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

06427000 KEYHOLE RESERVOIR NEAR MOORCROFT, WY--Continued



06428050 BELLE FOURCHE RIVER BELOW HULETT, WY

LOCATION.--Lat 44°42'04", long 104°35'07", in SW$^{1}/_{4}$ NE$^{1}/_{4}$ sec.6, T.54 N., R.64 W., Crook County, Hydrologic Unit 10120201, at bridge, 1.3 mi northeast of Hulett, and 4.7 mi downstream from Blacktail Creek.

PERIOD OF RECORD.--February 1981 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)
OCT								
19...	0750	28	674	92	10.5	7.9	1920	.5
JAN								
06...	0920	20	690	82	10.8	7.8	2040	-2.0
MAY								
17...	1500	38	663	125	11.4	7.9	1660	11.0
JUL								
31...	1740	19	669	135	9.6	8.0	1680	31.5

DATE	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
OCT							
19...	4.5	<.020	.102	<.010	<.010	55	17
JAN							
06...	.0	.076	.241	<.010	.017	K11	17
MAY							
17...	13.0	.039	.077	<.010	<.010	120	63
JUL							
31...	25.5	<.020	<.050	<.010	<.010	150	18

K Results based on colony count outside the acceptable range (non-ideal colony count).

06428500 BELLE FOURCHE RIVER AT WYOMING-SOUTH DAKOTA STATE LINE

LOCATION.--Lat 44°44'59", long 104°02'49", in NE$^1/_4$ NW$^1/_4$ NW$^1/_4$ sec.18, T.9 N., R.1 E., Butte County, Hydrologic Unit 10120202, on left bank 0.3 mi downstream from State line, 3.7 mi downstream from Oak Creek, and 11 mi northwest of Belle Fourche, SD.

DRAINAGE AREA.--3,280 mi^2, approximately.

PERIOD OF RECORD.--December 1946 to current year. Records for water year 1947 incomplete, yearly estimate published in WSP 1729.

GAGE.--Water-stage recorder. Datum of gage is 3,095.7 ft above sea level.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 5,400 acres. Flow regulated by Keyhole Dam, usable capacity, 191,600 acre-ft, 143 mi upstream since Oct. 25, 1952. Maximum discharge prior to regulation, 3,620 ft^3/s, June 23, 1947, gage height, 12.51 ft; maximum gage height, 14.33 ft, Mar. 22, 1949, backwater from ice; no flow at times some years. Bureau of Reclamation satellite data-collection platform at station. Station operated and record provided by the South Dakota District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	47	e44	e30	e30	e44	70	94	50	33	17	8.2
2	45	45	e44	e29	e31	e45	68	88	46	30	53	8.0
3	47	47	e43	e28	e31	e47	65	80	44	28	41	7.1
4	48	46	e37	e28	e32	e49	65	74	43	23	25	6.5
5	48	45	e31	e28	e32	e51	62	69	43	21	22	6.0
6	49	45	e27	e28	e33	e54	60	64	39	21	21	5.6
7	48	44	e29	e28	e33	e55	63	64	37	19	22	5.6
8	48	44	e32	e29	e34	e55	66	75	34	16	22	5.4
9	48	44	e33	e29	e34	e55	65	78	32	15	22	4.9
10	48	44	e31	e29	e33	e55	62	70	31	14	22	4.6
11	48	44	e31	e28	e33	e55	61	72	30	13	18	4.5
12	49	45	e32	e27	e32	e60	61	71	30	25	19	4.7
13	49	44	e31	e26	e32	e63	60	81	26	16	15	4.3
14	48	43	e30	e26	e31	e73	60	88	25	13	11	4.2
15	50	44	e30	e26	e31	e80	60	104	27	9.5	8.8	4.8
16	51	44	e30	e26	e30	87	62	94	32	9.1	6.7	5.1
17	49	45	e36	e26	e30	84	62	85	30	9.8	5.8	4.9
18	50	e44	e34	e27	e29	81	61	77	30	9.7	5.3	4.7
19	50	e43	e33	e27	e28	80	61	70	27	9.2	4.5	4.3
20	51	e43	e26	e27	e27	76	59	69	25	9.8	4.7	4.2
21	50	e43	e27	e27	e30	72	58	66	24	11	3.6	4.4
22	49	e41	e28	e27	e34	70	59	64	24	13	3.4	6.7
23	50	e41	e30	e28	e36	68	60	62	27	12	9.5	8.6
24	50	e41	e30	e28	e38	67	93	57	29	8.9	10	9.5
25	49	e41	e34	e28	e40	67	201	53	52	8.0	11	10
26	50	e42	e34	e28	e41	69	161	54	37	10	11	10
27	50	e48	e34	e28	e42	67	155	54	36	12	12	11
28	49	e47	e33	e29	e43	68	126	53	38	35	9.5	10
29	49	e46	e32	e29	e44	68	112	52	35	25	9.3	9.7
30	49	e45	e31	e29	---	68	102	53	36	18	9.9	9.4
31	48	---	e31	e29	---	68	---	51	---	15	9.1	---
TOTAL	1509	1325	1008	862	974	2001	2380	2186	1019	512.0	464.1	196.9
MEAN	48.7	44.2	32.5	27.8	33.6	64.5	79.3	70.5	34.0	16.5	15.0	6.56
MAX	51	48	44	30	44	87	201	104	52	35	53	11
MIN	42	41	26	26	27	44	58	51	24	8.0	3.4	4.2
AC-FT	2990	2630	2000	1710	1930	3970	4720	4340	2020	1020	921	391

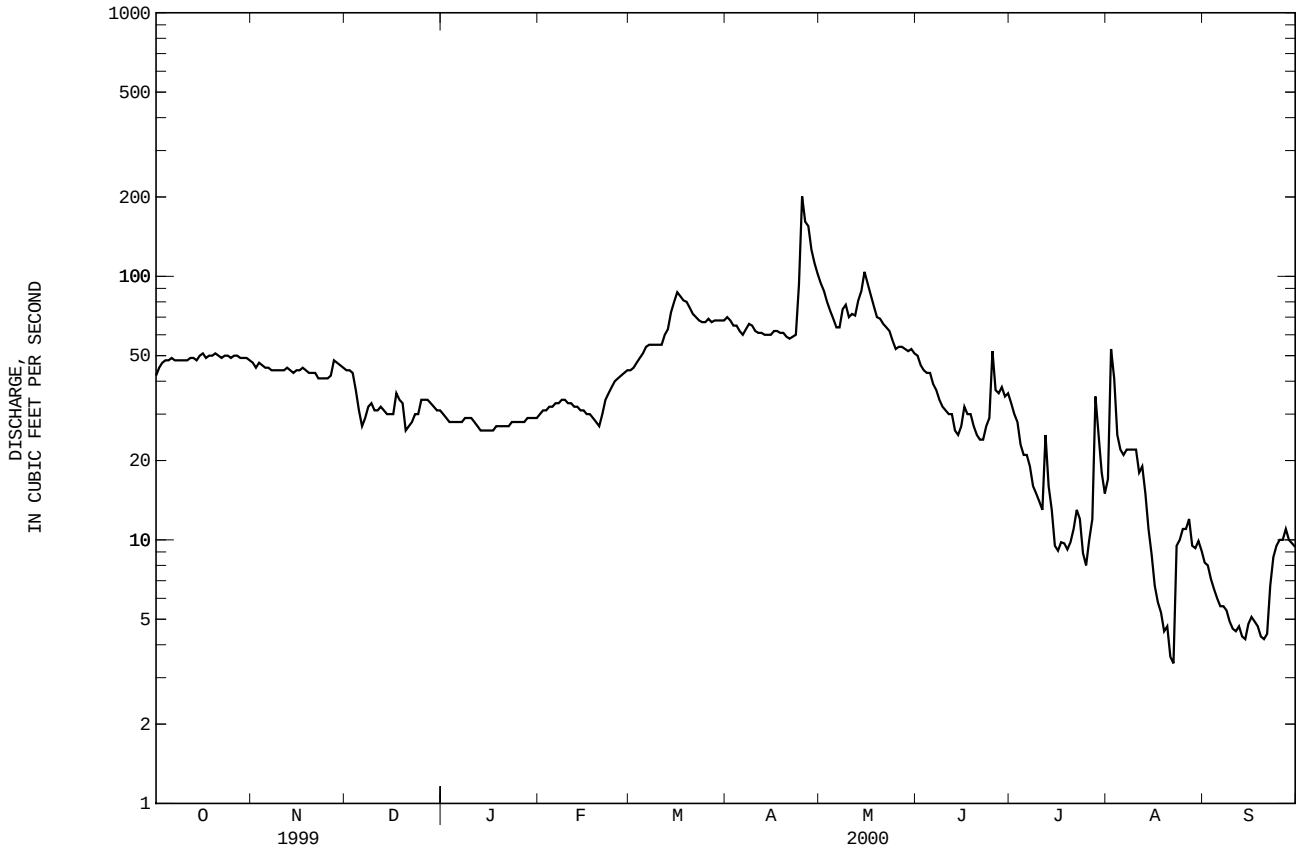
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2000, BY WATER YEAR (WY)*

MEAN	29.3	27.7	18.0	21.4	45.3	158	165	226	186	95.0	71.9	33.4
MAX	134	277	51.5	247	459	931	823	1104	812	303	271	109
(WY)	1999	1999	1999	1997	1996	1972	1971	1978	1984	1981	1980	1955
MIN	.000	.000	.000	.000	.20	15.7	15.1	3.10	11.9	2.94	.10	.000
(WY)	1955	1961	1961	1961	1959	1981	1992	1961	1961	1960	1961	1954

06428500 BELLE FOURCHE RIVER AT WYOMING-SOUTH DAKOTA STATE LINE--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1954 - 2000*	
ANNUAL TOTAL	62430		14437.0		--	
ANNUAL MEAN	171		39.4		89.9	--
HIGHEST ANNUAL MEAN	--		--		229	1978
LOWEST ANNUAL MEAN	--		--		7.69	1961
HIGHEST DAILY MEAN	1150	Jun 16	201	Apr 25	4760	May 9 1995
LOWEST DAILY MEAN	26	Dec 20	3.4	Aug 22	.00[a]	--
ANNUAL SEVEN-DAY MINIMUM	30	Jan 2	4.6	Sep 9	.00[a]	--
INSTANTANEOUS PEAK FLOW	--		285	Apr 25	6320	May 10 1995[b]
INSTANTANEOUS PEAK STAGE	--		5.52	Apr 25	16.33	May 10 1995
ANNUAL RUNOFF (AC-FT)	123800		28640		65130	
10 PERCENT EXCEEDS	502		68		200	
50 PERCENT EXCEEDS	88		34		37	
90 PERCENT EXCEEDS	35		9.3		5.0	

* Regulated period only (1954-2000). See REMARKS.
a No flow at times in some years.
b Based on slope-area measurement of peak flow.
e Estimated.



06429500 COLD SPRINGS CREEK AT BUCKHORN, WY

LOCATION.--Lat 44°09'15", long 104°04'37", in NW¼ NW¼ SW¼ sec.9, T.48 N., R.60 W., Weston County, Hydrologic Unit 10120303, on right bank at downstream end of culvert at U.S. Highway 85 and 0.5 mi northeast of Buckhorn.

DRAINAGE AREA.--19.0 mi².

PERIOD OF RECORD.--October 1974 to September 1982, April 1991 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,050 ft above sea level, from topographic map. October 1974 to September 1982, 200 ft upstream at different datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. No diversion upstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	7.0	7.2	7.2	e6.7	e7.3	6.8	6.8	6.8	6.6	6.5	6.3
2	7.0	e7.0	7.2	e7.1	e6.7	7.2	6.3	6.8	6.8	6.6	6.5	6.3
3	7.0	7.2	7.2	e7.0	6.7	7.2	e6.2	6.8	6.8	6.1	6.6	6.3
4	7.0	7.2	e7.1	e6.9	e6.6	7.3	e7.0	6.8	6.8	5.9	6.5	6.3
5	7.0	7.2	e7.1	e7.0	6.6	7.4	7.2	6.8	6.7	5.9	6.3	6.3
6	7.0	7.2	7.3	e7.2	6.6	7.4	7.0	6.8	6.6	5.9	6.3	6.3
7	7.0	7.2	e7.1	e7.2	6.6	7.3	7.0	7.0	6.6	5.7	6.3	6.3
8	7.0	7.2	e7.1	e6.9	6.6	7.2	e6.9	6.9	6.6	5.7	6.3	6.3
9	7.0	7.2	e7.1	e7.2	6.6	e7.1	7.0	6.8	6.6	5.9	6.3	6.3
10	7.0	7.2	e7.1	e7.1	6.6	7.0	7.0	6.9	6.6	5.9	6.3	6.3
11	7.0	7.2	e7.1	e6.8	6.4	e7.0	7.0	7.5	6.6	6.1	6.1	6.3
12	7.0	7.2	e7.1	e7.0	6.3	7.0	7.0	7.0	6.6	6.1	6.1	6.3
13	7.0	7.2	7.2	e7.2	6.3	e6.8	7.0	7.0	6.7	5.9	6.1	6.3
14	7.0	7.2	e7.1	e7.2	e7.0	e6.9	7.0	7.0	6.8	5.9	6.1	6.3
15	7.0	7.2	7.2	7.2	6.6	7.0	7.0	7.0	6.9	5.9	6.1	6.3
16	7.0	7.2	7.2	7.3	6.6	e6.8	7.0	7.0	6.8	6.3	6.1	6.3
17	e7.0	7.2	7.2	7.2	6.6	7.0	7.0	7.0	6.8	6.1	6.1	6.3
18	e7.0	7.2	7.0	e7.1	6.6	7.0	7.0	6.9	6.7	6.1	6.1	6.3
19	7.0	7.2	5.1	7.0	e6.4	7.0	5.4	6.8	6.6	6.3	6.1	6.5
20	7.0	7.2	e4.5	e6.8	e6.8	7.0	e6.8	7.0	6.8	6.5	6.1	6.6
21	7.0	7.2	e6.0	7.2	7.2	e6.9	7.4	6.9	6.7	6.4	6.1	6.6
22	7.0	e7.1	e7.5	7.1	7.3	e7.0	7.4	6.8	6.6	6.3	6.1	6.6
23	7.0	e7.1	e8.0	e7.0	7.3	7.3	7.3	6.8	6.6	6.3	6.1	6.6
24	7.0	e7.0	7.4	e6.8	7.4	6.9	7.5	6.8	7.1	6.3	6.1	6.6
25	7.0	e7.1	7.5	e6.4	6.8	e6.9	7.3	6.8	6.8	6.1	6.1	6.6
26	7.0	7.2	e7.4	e6.8	e5.0	7.0	7.2	6.9	6.6	6.1	6.1	6.6
27	7.0	7.0	7.2	e7.0	e7.7	7.0	7.2	6.9	6.7	6.1	6.1	6.5
28	7.0	7.1	7.2	7.0	7.7	7.1	7.1	6.8	6.7	6.2	6.1	6.3
29	7.0	7.1	e7.2	6.9	7.5	7.0	7.0	6.8	6.6	6.3	6.1	6.3
30	7.0	7.1	e7.3	e6.8	---	6.9	6.8	6.8	6.6	6.4	6.1	6.3
31	7.0	---	e7.3	e6.6	---	6.8	---	6.8	---	6.6	6.3	---
TOTAL	217.0	214.6	218.2	217.2	195.8	218.7	208.8	213.7	201.2	190.5	192.2	191.5
MEAN	7.00	7.15	7.04	7.01	6.75	7.05	6.96	6.89	6.71	6.15	6.20	6.38
MAX	7.0	7.2	8.0	7.3	7.7	7.4	7.5	7.5	7.1	6.6	6.6	6.6
MIN	7.0	7.0	4.5	6.4	5.0	6.8	5.4	6.8	6.6	5.7	6.1	6.3
AC-FT	430	426	433	431	388	434	414	424	399	378	381	380

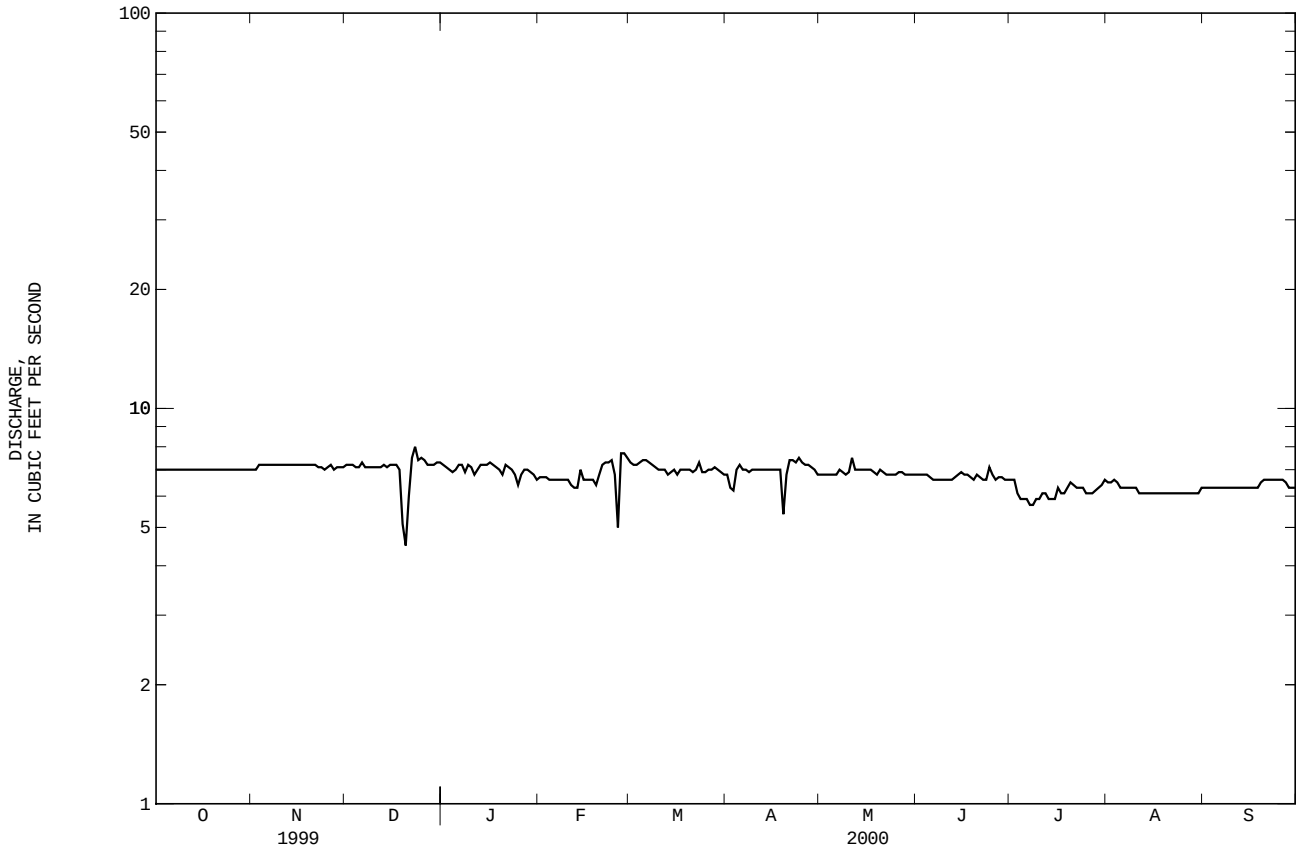
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2000, BY WATER YEAR (WY)

MEAN	4.47	4.33	4.22	4.20	4.34	4.72	5.02	4.83	4.90	4.73	4.80	4.75
MAX	7.00	7.15	7.04	7.01	6.75	8.03	7.43	7.29	7.77	7.58	7.28	7.14
(WY)	2000	2000	2000	2000	2000	1999	1999	1999	1999	1999	1999	1999
MIN	2.53	2.09	2.06	2.50	2.61	2.91	3.07	3.10	3.19	2.62	2.71	2.92
(WY)	1975	1993	1993	1994	1993	1993	1993	1993	1994	1995	1995	1994

06429500 COLD SPRINGS CREEK AT BUCKHORN, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1975 - 2000	
ANNUAL TOTAL	2630.9		2479.4		--	
ANNUAL MEAN	7.21		6.77		4.64	
HIGHEST ANNUAL MEAN	--		--		7.06	1999
LOWEST ANNUAL MEAN	--		--		2.92	1993
HIGHEST DAILY MEAN	22	Mar 26	8.0	Dec 23	22	Mar 26 1999
LOWEST DAILY MEAN	3.8	Feb 27	4.5	Dec 20	.30	Dec 20 1996
ANNUAL SEVEN-DAY MINIMUM	5.7	Feb 22	5.8[a]	Jul 4	.75[b]	Dec 18 1996
INSTANTANEOUS PEAK FLOW	--		8.1[c]	Feb 28	42[d]	Mar 26 1999
INSTANTANEOUS PEAK STAGE	--		3.71[c]	Feb 20	8.61[d]	Jan 12 1978
ANNUAL RUNOFF (AC-FT)	5220		4920		3360	
10 PERCENT EXCEEDS	7.8		7.2		6.6	
50 PERCENT EXCEEDS	7.2		6.9		4.5	
90 PERCENT EXCEEDS	6.4		6.1		2.9	

a Gage height, 2.38 ft, may have been higher during periods of estimated daily discharges.
b Gage height, 3.33 ft.
c Backwater from ice.
d Backwater from ice, site and datum then in use.
e Estimated.



06429905 SAND CREEK NEAR RANCH A, NEAR BEULAH, WY

LOCATION.--Lat 44°31'07", long 104°04'57", in $SE^1/_4$ $SE^1/_4$ $SW^1/_4$ sec.5, T.52 N., R.60 W., Crook County, Hydrologic Unit 10120303, on right bank 1.0 mi upstream from Bear Gulch and 1.8 mi south of Beulah.

DRAINAGE AREA.--267 mi^2.

PERIOD OF RECORD.--October 1976 to September 1983, April 1991 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,580 ft above sea level, from topographic map. October 1976 to September 1983, at site 500 ft downstream at different datum.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	27	25	25	25	23	22	31	31	31	27	25
2	31	27	25	25	24	23	23	31	31	31	28	25
3	30	27	25	25	24	23	22	31	31	31	28	26
4	30	27	25	24	24	23	22	31	31	31	27	26
5	30	27	25	25	25	23	23	31	31	30	27	25
6	30	26	25	24	25	23	23	32	31	30	27	25
7	30	26	26	24	24	23	23	33	32	30	26	26
8	30	26	25	24	25	26	23	33	31	30	25	26
9	30	26	25	25	25	23	23	33	31	30	24	26
10	30	25	25	25	25	23	23	34	31	30	25	26
11	30	25	25	25	25	23	23	34	31	30	26	26
12	31	25	25	25	25	23	23	32	31	29	26	26
13	30	25	25	24	25	23	23	31	33	29	26	26
14	31	25	25	24	25	23	25	31	32	29	25	26
15	30	25	25	24	25	23	25	31	33	29	25	26
16	30	26	25	24	24	23	26	32	32	30	25	26
17	30	26	25	25	24	23	26	34	31	30	26	26
18	30	27	25	24	24	23	26	33	32	30	26	26
19	30	25	25	25	24	23	28	33	32	30	26	26
20	29	26	24	24	24	23	27	34	32	30	26	26
21	29	26	25	25	24	23	27	33	32	30	25	26
22	29	25	25	25	24	23	27	33	31	30	25	28
23	29	25	24	25	25	23	29	33	31	29	25	27
24	29	25	24	25	24	23	29	33	32	29	25	26
25	29	26	24	24	25	23	29	33	33	29	25	26
26	29	26	24	25	24	23	29	35	31	29	25	26
27	29	25	24	25	24	23	29	34	32	28	25	26
28	28	25	24	25	25	23	29	33	32	28	25	26
29	28	25	25	25	24	23	30	33	32	28	25	26
30	27	25	25	25	---	22	30	33	32	28	25	26
31	27	---	25	25	---	22	---	31	---	27	25	---
TOTAL	916	772	769	764	710	714	767	1009	948	915	796	779
MEAN	29.5	25.7	24.8	24.6	24.5	23.0	25.6	32.5	31.6	29.5	25.7	26.0
MAX	31	27	26	25	25	26	30	35	33	31	28	28
MIN	27	25	24	24	24	22	22	31	31	27	24	25
AC-FT	1820	1530	1530	1520	1410	1420	1520	2000	1880	1810	1580	1550

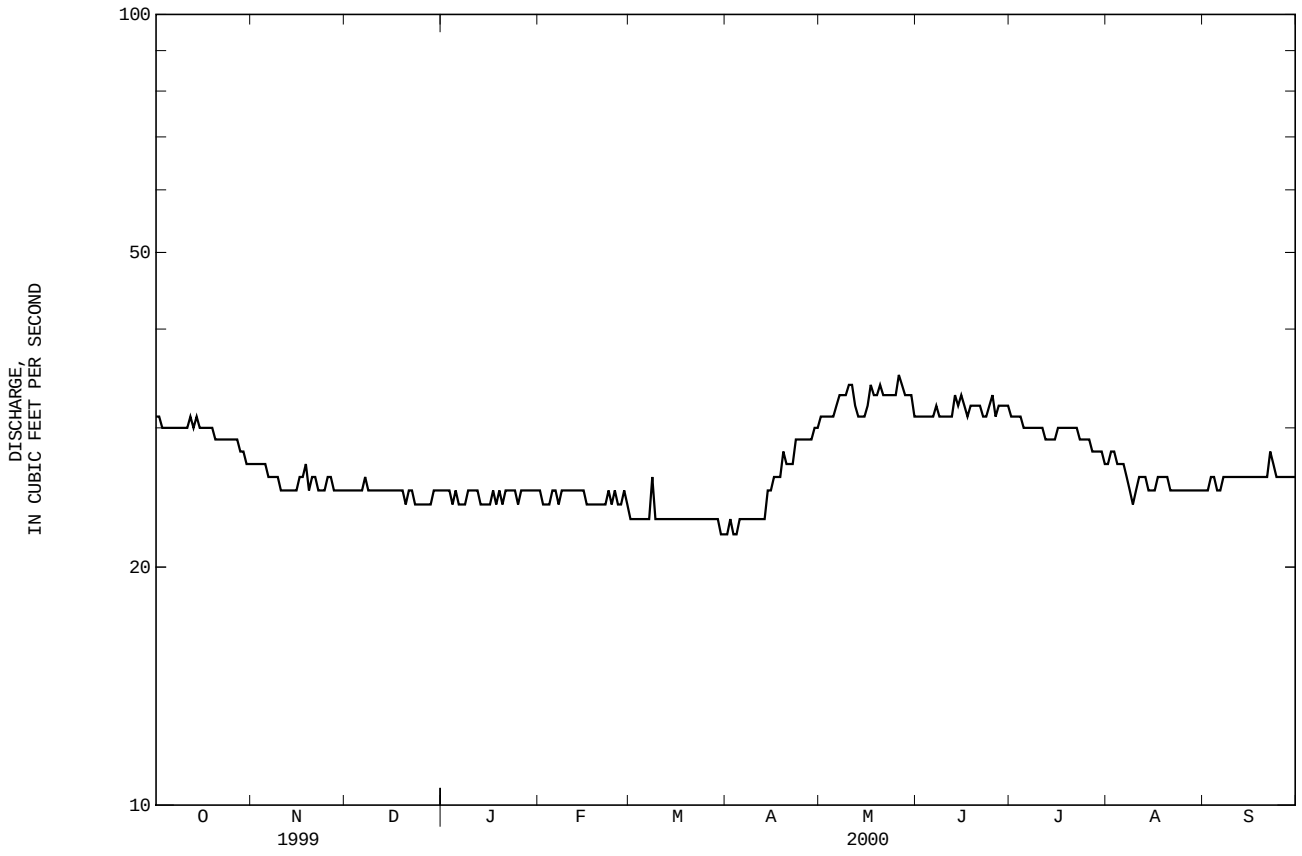
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2000, BY WATER YEAR (WY)

MEAN	21.7	21.8	21.3	20.6	19.8	20.6	22.0	31.3	27.4	25.6	23.0	21.9
MAX	29.5	28.2	27.1	26.4	25.0	29.7	30.8	64.8	40.5	39.8	34.5	30.8
(WY)	2000	1978	1999	1999	1977	1996	1978	1995	1999	1999	1999	1999
MIN	15.3	16.0	15.7	15.6	14.9	14.7	15.3	15.5	15.5	15.2	14.4	15.1
(WY)	1993	1993	1993	1993	1993	1992	1992	1992	1992	1992	1992	1992

06429905 SAND CREEK NEAR RANCH A, NEAR BEULAH, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1977 - 2000	
ANNUAL TOTAL	11237		9859		--	
ANNUAL MEAN	30.8		26.9		23.3	
HIGHEST ANNUAL MEAN	--		--		30.5	1999
LOWEST ANNUAL MEAN	--		--		15.7	1992
HIGHEST DAILY MEAN	45	Jul 19	35	May 26	455	May 9 1995
LOWEST DAILY MEAN	24	Many days	22	Many days	12	Mar 10 1992
ANNUAL SEVEN-DAY MINIMUM	24	Feb 24	22	Mar 29	13	Mar 8 1992
INSTANTANEOUS PEAK FLOW	--		44	Jun 7	1230	May 8 1995
INSTANTANEOUS PEAK STAGE	--		1.87	Jun 7	3.80[a]	May 8 1995
ANNUAL RUNOFF (AC-FT)	22290		19560		16920	
10 PERCENT EXCEEDS	40		32		31	
50 PERCENT EXCEEDS	30		26		22	
90 PERCENT EXCEEDS	25		23		16	

a From floodmarks, present site and datum.



06429997 MURRAY DITCH ABOVE HEADGATE AT WYOMING-SOUTH DAKOTA STATE LINE

LOCATION.--Lat 44°34'35", long 104°03'20", in $SW^1/_4$ $SW^1/_4$ sec.7, T.7 N., R.1 E., Butte County, Hydrologic Unit 10120203, on right bank at State line and 12 mi southwest of Belle Fourche, SD.

PERIOD OF RECORD.--April 1987 to current year.

REVISED RECORDS.--WDR SD-96-1: September 1995 daily discharges, monthly, and water year statistics.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 3,440 ft above sea level, from topographic map. Prior to Apr. 23, 1987, published as 06430000 (below diversion at site 15 ft downstream).

REMARKS.--No estimated daily discharges. Records good. Ditch diverts water from left bank of Redwater Creek, 2.0 mi upstream, for irrigation of about 700 acres. Flow maintained during irrigation season and in some years for livestock watering. Station operated and record provided by the South Dakota District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

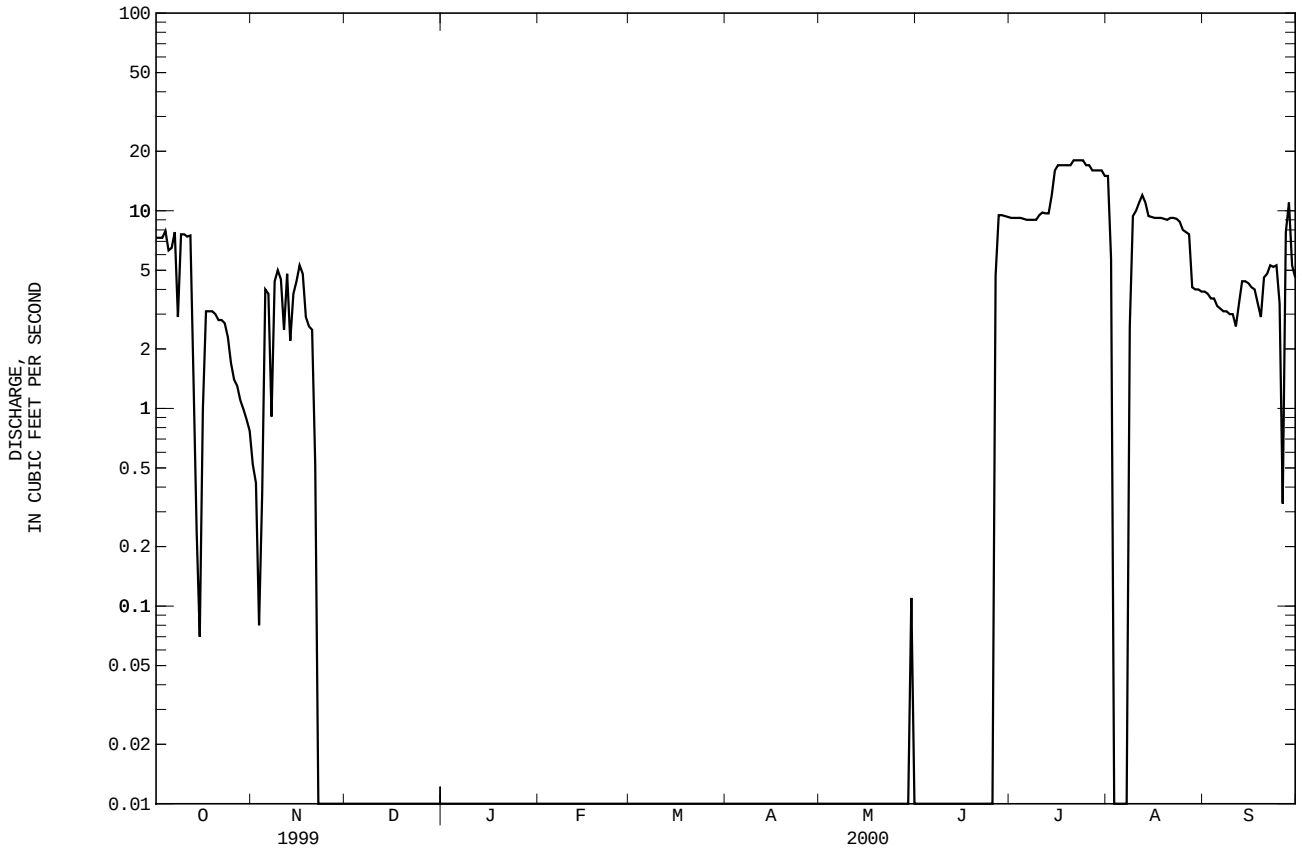
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	.52	.00	.00	.00	.00	.00	.00	.00	9.2	15	3.9
2	7.3	.42	.00	.00	.00	.00	.00	.00	.00	9.2	5.7	3.8
3	7.3	.08	.00	.00	.00	.00	.00	.00	.00	9.2	.00	3.6
4	7.9	.37	.00	.00	.00	.00	.00	.00	.00	9.2	.00	3.6
5	6.3	4.0	.00	.00	.00	.00	.00	.00	.00	9.1	.00	3.3
6	6.5	3.8	.00	.00	.00	.00	.00	.00	.00	9.0	.00	3.2
7	7.8	.91	.00	.00	.00	.00	.00	.00	.00	9.0	.00	3.1
8	2.9	4.4	.00	.00	.00	.00	.00	.00	.00	9.0	2.6	3.1
9	7.6	5.0	.00	.00	.00	.00	.00	.00	.00	9.0	9.4	3.0
10	7.6	4.5	.00	.00	.00	.00	.00	.00	.00	9.5	10	3.0
11	7.4	2.5	.00	.00	.00	.00	.00	.00	.00	9.8	11	2.6
12	7.5	4.8	.00	.00	.00	.00	.00	.00	.00	9.7	12	3.4
13	1.4	2.2	.00	.00	.00	.00	.00	.00	.00	9.7	11	4.4
14	.24	3.8	.00	.00	.00	.00	.00	.00	.00	12	9.4	4.4
15	.07	4.4	.00	.00	.00	.00	.00	.00	.00	16	9.3	4.3
16	.99	5.3	.00	.00	.00	.00	.00	.00	.00	17	9.2	4.1
17	3.1	4.8	.00	.00	.00	.00	.00	.00	.00	17	9.2	4.0
18	3.1	2.9	.00	.00	.00	.00	.00	.00	.00	17	9.2	3.4
19	3.1	2.6	.00	.00	.00	.00	.00	.00	.00	17	9.1	2.9
20	3.0	2.5	.00	.00	.00	.00	.00	.00	.00	17	9.0	4.6
21	2.8	.52	.00	.00	.00	.00	.00	.00	.00	18	9.2	4.8
22	2.8	.00	.00	.00	.00	.00	.00	.00	.00	18	9.2	5.3
23	2.7	.00	.00	.00	.00	.00	.00	.00	.00	18	9.1	5.2
24	2.3	.00	.00	.00	.00	.00	.00	.00	.00	18	8.8	5.3
25	1.7	.00	.00	.00	.00	.00	.00	.00	.00	17	8.0	3.4
26	1.4	.00	.00	.00	.00	.00	.00	.00	4.7	17	7.8	.33
27	1.3	.00	.00	.00	.00	.00	.00	.00	9.5	16	7.6	7.8
28	1.1	.00	.00	.00	.00	.00	.00	.00	9.5	16	4.1	11
29	.99	.00	.00	.00	.00	.00	.00	.00	9.4	16	4.0	5.3
30	.88	.00	.00	.00	---	.00	.00	.11	9.3	16	4.0	4.6
31	.77	---	.00	.00	---	.00	---	.00	---	15	3.9	---
TOTAL	117.14	60.32	0.00	0.00	0.00	0.00	0.00	0.11	42.40	418.6	216.80	124.73
MEAN	3.78	2.01	.000	.000	.000	.000	.000	.004	1.41	13.5	6.99	4.16
MAX	7.9	5.3	.00	.00	.00	.00	.00	.11	9.5	18	15	11
MIN	.07	.00	.00	.00	.00	.00	.00	.00	.00	9.0	.00	.33
AC-FT	232	120	.00	.00	.00	.00	.00	.2	84	830	430	247

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2000, BY WATER YEAR (WY)

MEAN	5.39	.28	.000	.000	.000	.000	.011	1.22	4.60	10.2	8.17	8.43
MAX	20.6	2.01	.000	.000	.000	.000	.085	6.30	13.9	16.4	18.2	18.8
(WY)	1991	2000	1988	1988	1988	1988	1997	1992	1988	1991	1991	1994
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.84	2.24	.80
(WY)	1988	1988	1988	1988	1988	1988	1988	1990	1991	1993	1998	1993

06429997 MURRAY DITCH ABOVE HEADGATE AT WYOMING-SOUTH DAKOTA STATE LINE--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1988 - 2000	
ANNUAL TOTAL	829.89		980.10		--	
ANNUAL MEAN	2.27		2.68		3.21	
HIGHEST ANNUAL MEAN	--		--		5.32	1994
LOWEST ANNUAL MEAN	--		--		.92	1993
HIGHEST DAILY MEAN	28	Sep 9	18	Jul 21-24	46	Oct 8 1990
LOWEST DAILY MEAN	.00	Many days	.00	Many days	.00	Many days, each year
ANNUAL RUNOFF (AC-FT)	1650		1940		2330	
10 PERCENT EXCEEDS	7.7		9.2		12	
50 PERCENT EXCEEDS	.00		.00		.00	
90 PERCENT EXCEEDS	.00		.00		.00	



06430500 REDWATER CREEK AT WYOMING-SOUTH DAKOTA STATE LINE

LOCATION.--Lat 44°34'26", long 104°02'54", in $NW^1/_4$ $NW^1/_4$ sec.18 T.7 N., R.1 E., Butte County, Hydrologic Unit 10120203, on left bank 800 ft downstream from State line, 5.7 mi upstream from Crow Creek, and 12 mi southwest of Belle Fourche, SD.

DRAINAGE AREA.--471 mi^2.

PERIOD OF RECORD.--April 1929 to September 1931 and February 1936 to July 1937 (published as "near Beulah, WY"), June 1954 to current year.

REVISED RECORDS.--WSP 1309: 1931(M), 1936-37(M).

GAGE.--Water-stage recorder. Elevation of gage is 3,410 ft above sea level, from topographic map. Apr. 25, 1929, to Sept. 30, 1931, and Feb. 28, 1936, to July 31, 1937, nonrecording gage at site 2 mi upstream at different datum.

REMARKS.--Records good including those for estimated daily discharges. Large diversions for irrigation upstream from station. Total flow passing State line may be obtained by adding flow of Murray ditch (see station 06429997). Satellite data-collection platform at station. Station operated and record provided by the South Dakota District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	43	48	47	44	44	45	54	53	37	24	30
2	40	44	48	46	45	44	45	55	51	37	37	32
3	40	46	48	45	44	43	45	56	51	36	46	30
4	38	44	46	44	43	43	46	54	51	36	45	31
5	36	40	47	45	44	43	46	54	51	35	44	31
6	37	41	47	46	44	44	47	54	51	35	43	32
7	38	43	47	45	43	44	47	55	52	34	41	33
8	42	39	46	45	45	e42	46	53	51	35	38	33
9	35	39	45	46	45	e43	46	53	51	35	28	33
10	35	39	46	45	45	44	46	54	49	33	25	33
11	35	42	46	45	44	44	46	60	48	32	24	32
12	35	39	47	45	45	45	46	63	48	31	23	31
13	44	42	47	44	45	45	46	61	50	31	24	30
14	45	39	46	45	45	46	47	58	48	27	28	30
15	45	40	46	45	45	46	47	54	51	23	27	30
16	42	40	48	45	44	46	48	54	49	23	27	30
17	41	41	47	45	44	46	48	56	49	24	27	31
18	42	44	47	44	44	45	48	54	49	24	28	34
19	43	43	48	46	44	45	51	54	49	23	27	35
20	43	44	46	44	45	46	49	55	50	24	27	36
21	43	50	46	45	45	45	49	54	49	24	27	35
22	43	50	46	45	45	46	50	54	49	25	27	37
23	44	49	46	44	44	46	51	52	49	24	27	37
24	45	48	46	44	45	46	54	51	51	23	27	36
25	45	49	47	44	46	46	59	51	53	23	28	37
26	45	50	46	45	45	46	64	54	43	23	29	39
27	45	48	47	45	43	46	57	53	38	24	30	32
28	44	48	47	45	45	47	56	51	38	24	35	29
29	44	47	47	44	44	46	56	52	37	23	31	33
30	43	47	46	44	---	45	55	58	36	24	31	35
31	43	---	47	44	---	45	---	54	---	23	30	---
TOTAL	1280	1318	1447	1391	1289	1392	1486	1695	1445	875	955	987
MEAN	41.3	43.9	46.7	44.9	44.4	44.9	49.5	54.7	48.2	28.2	30.8	32.9
MAX	45	50	48	47	46	47	64	63	53	37	46	39
MIN	35	39	45	44	43	42	45	51	36	23	23	29
AC-FT	2540	2610	2870	2760	2560	2760	2950	3360	2870	1740	1890	1960

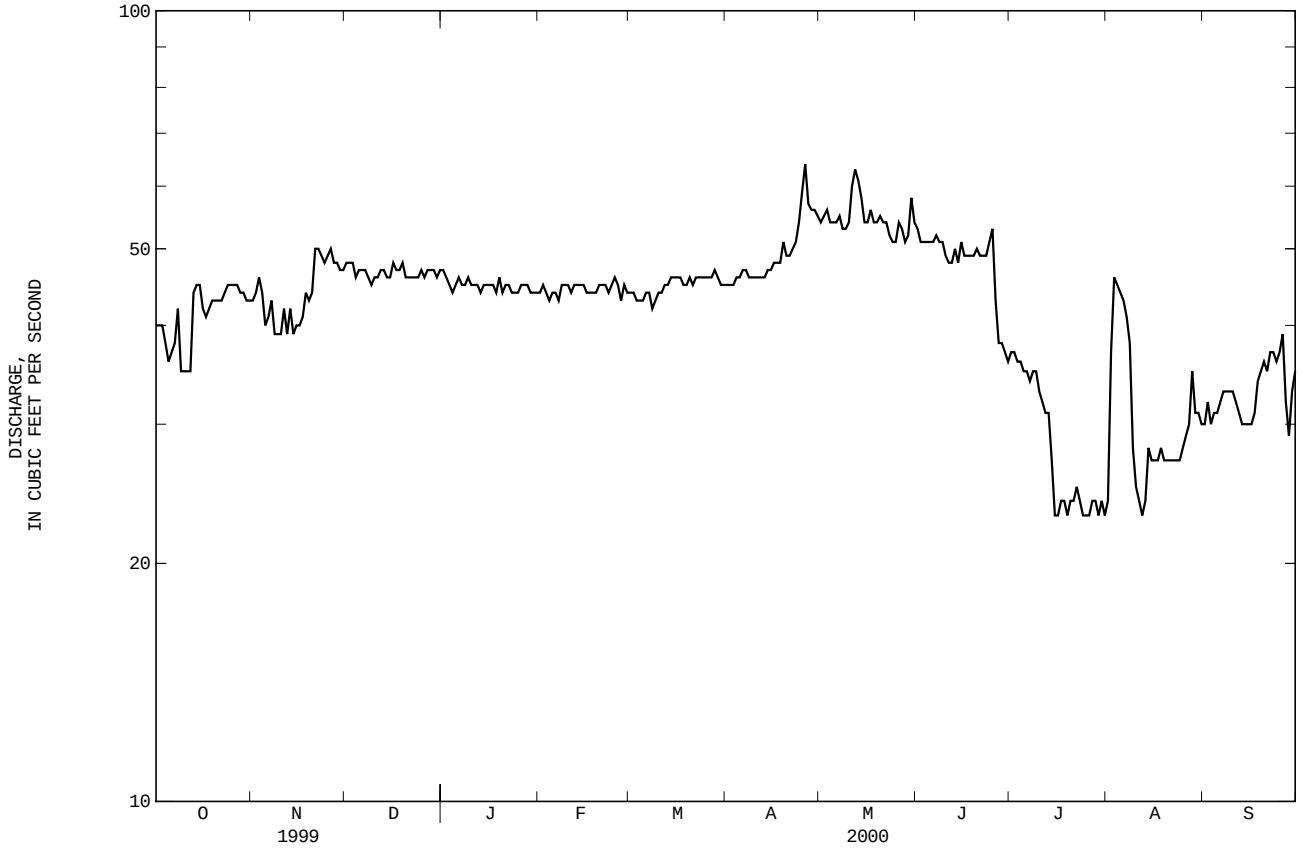
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2000, BY WATER YEAR (WY)*

MEAN	28.7	32.7	32.5	31.9	33.1	34.7	37.8	54.2	46.8	23.5	23.3	25.6
MAX	45.0	47.9	48.0	48.5	57.8	66.0	65.4	168	128	54.9	58.9	50.4
(WY)	1973	1974	1999	1999	1971	1996	1999	1995	1976	1976	1973	1973
MIN	14.2	20.8	21.5	20.7	21.2	22.1	18.8	7.44	6.29	7.62	6.78	11.8
(WY)	1991	1961	1993	1993	1993	1962	1981	1985	1961	1990	1985	1985

06430500 REDWATER CREEK AT WYOMING-SOUTH DAKOTA STATE LINE--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1955 - 2000*	
ANNUAL TOTAL	19121		15560		--	
ANNUAL MEAN	52.4		42.5		33.7	
HIGHEST ANNUAL MEAN	--		--		56.0	1973
LOWEST ANNUAL MEAN	--		--		17.9	1961
HIGHEST DAILY MEAN	140	Jun 11	64	Apr 26	1330	May 9 1995
LOWEST DAILY MEAN	35	Jul 13	23	Many days	1.3	May 22 1985[a]
ANNUAL SEVEN-DAY MINIMUM	36	Jul 11	23	Jul 23	1.9	May 21 1985
INSTANTANEOUS PEAK FLOW	--		69	Apr 26	2440	Aug 22 1973[b]
INSTANTANEOUS PEAK STAGE	--		3.39	Apr 26	12.19	Aug 22 1973
ANNUAL RUNOFF (AC-FT)	37930		30860		24430	
10 PERCENT EXCEEDS	68		52		48	
50 PERCENT EXCEEDS	48		45		31	
90 PERCENT EXCEEDS	42		29		16	

* Period using present site and datum only. See GAGE.
a No flow Aug. 13-15, 1929, during partial year.
b From rating curve extended above 1,000 ft^3/s on basis of slope-area measurement.
e Estimated.



06620000 NORTH PLATTE RIVER NEAR NORTHGATE, CO

LOCATION.--Lat 40°56'15", long 106°20'16", in NE$^1/_4$ SW$^1/_4$ SE$^1/_4$ sec.11, T.11 N., R.80 W., Jackson County, Hydrologic Unit 10180001, on right bank 1,000 ft downstream from bridge on State Highway 125, 0.7 mi upstream from Camp Creek, 4.2 mi northwest of Northgate, and 4.4 mi south of Colorado-Wyoming State line.

DRAINAGE AREA.--1,431 mi^2.

PERIOD OF RECORD.--May to November 1904 (published as "near Pinkhampton"), May 1915 to current year. Monthly discharge only for some periods, published in WSP 1310.

REVISED RECORDS.--WSP 1310: 1916-21, 1929(M), 1930-32. WSP 1730: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 7,810.39 ft above sea level. See WSP 1730 for history of changes prior to Apr. 8, 1918. Apr. 8, 1918, to Aug. 21, 1961, water-stage recorder at site 0.7 mi downstream at datum 3.36 ft lower. Aug. 22, 1961, to Sept. 18, 1984, at site 650 ft upstream at same datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Diversions for irrigation of about 130,000 acres of hay meadows upstream from station. Transbasin diversions upstream from station to Cache la Poudre River basin. National Weather Service data collection platform with satellite telemetry at station.

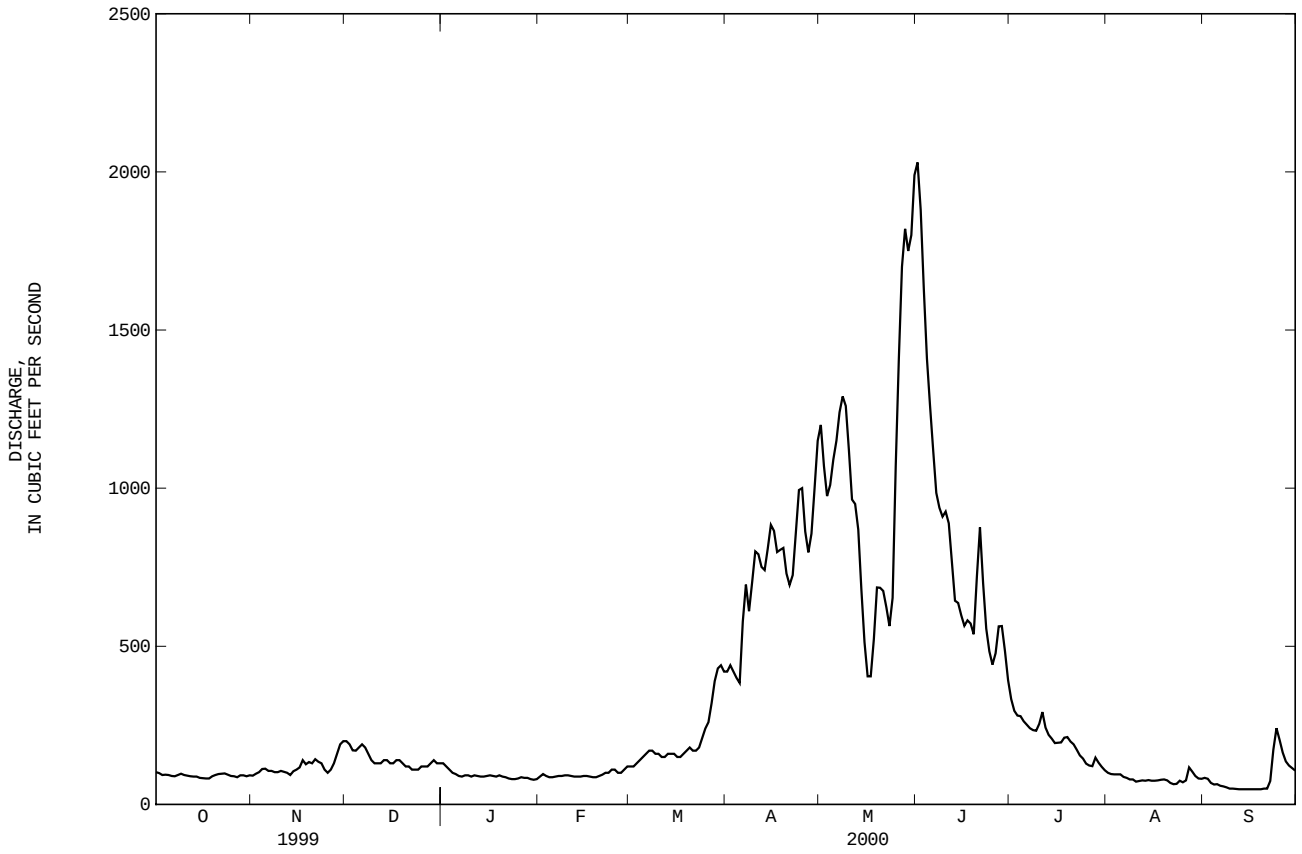
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	91	e200	e130	e88	e120	e420	1200	2030	333	100	84
2	99	97	e190	e120	e96	e120	e440	1070	1880	296	96	81
3	93	102	171	e110	e90	e130	e420	975	1630	281	95	68
4	94	112	170	e100	e86	e140	e400	1010	1410	279	95	63
5	93	113	e180	e96	e86	e150	384	1090	1260	263	95	64
6	90	106	e190	e90	e88	e160	578	1150	1120	252	87	59
7	89	106	e180	e88	e90	e170	695	1240	985	241	84	57
8	93	102	e160	e92	e90	e170	611	1290	938	235	79	54
9	97	102	e140	e92	e92	e160	703	1260	910	233	79	50
10	93	106	e130	e88	e92	e160	800	1120	926	255	72	50
11	91	103	e130	e92	e90	e150	791	964	889	292	74	49
12	89	100	e130	e90	e88	e150	751	950	767	243	76	48
13	88	93	e140	e88	e88	e160	741	869	644	220	75	48
14	88	105	e140	e88	e88	e160	809	679	637	208	77	48
15	84	110	e130	e90	e90	e160	884	513	598	194	75	48
16	83	117	e130	e92	e90	e150	865	405	565	195	75	48
17	82	140	e140	e90	e88	e150	798	405	582	196	76	48
18	82	127	e140	e88	e86	e160	805	523	572	211	78	48
19	89	134	e130	e92	e86	e170	811	686	538	213	79	48
20	93	130	e120	e88	e90	e180	730	685	720	199	76	50
21	96	143	e120	e86	e94	e170	694	675	876	190	68	50
22	97	135	e110	e82	e100	e170	725	623	699	173	64	74
23	98	e130	e110	e80	e100	e180	860	564	556	155	65	173
24	94	e110	e110	e80	e110	e210	994	653	484	145	75	241
25	90	e100	e120	e82	e110	e240	1000	1070	442	129	70	204
26	89	e110	e120	e86	e100	e260	863	1410	478	123	76	164
27	86	e130	e120	e84	e100	e320	797	1700	563	121	117	136
28	92	e160	e130	e84	e110	e390	856	1820	564	148	104	123
29	92	e190	e140	e80	e120	e430	1000	1750	485	132	90	115
30	89	e200	e130	e78	---	e440	1150	1800	393	119	82	107
31	92	---	e130	e80	---	e420	---	1990	---	108	81	---
TOTAL	2827	3604	4381	2806	2726	6300	22375	32139	25141	6382	2535	2500
MEAN	91.2	120	141	90.5	94.0	203	746	1037	838	206	81.8	83.3
MAX	102	200	200	130	120	440	1150	1990	2030	333	117	241
MIN	82	91	110	78	86	120	384	405	393	108	64	48
AC-FT	5610	7150	8690	5570	5410	12500	44380	63750	49870	12660	5030	4960
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2000, BY WATER YEAR (WY)												
MEAN	162	154	104	84.1	89.3	177	756	1145	1483	642	266	150
MAX	538	366	215	177	199	722	2444	3649	3296	2367	763	712
(WY)	1962	1962	1998	1984	1986	1986	1962	1984	1983	1957	1983	1997
MIN	31.7	54.2	33.9	27.5	35.7	47.8	131	212	89.4	26.7	38.5	23.8
(WY)	1935	1935	1977	1977	1933	1964	1981	1981	1934	1934	1934	1934

06620000 NORTH PLATTE RIVER NEAR NORTHGATE, CO--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1904 - 2000	
ANNUAL TOTAL	138774		113716		--	
ANNUAL MEAN	380		311		436	
HIGHEST ANNUAL MEAN	--		--		878	1917
LOWEST ANNUAL MEAN	--		--		117	1977
HIGHEST DAILY MEAN	1940	Jun 18	2030	Jun 1	6450	Jun 10 1923
LOWEST DAILY MEAN	82	Oct 17,18	48	Sep 12-19	19	Jul 17-19 1934
ANNUAL SEVEN-DAY MINIMUM	85	Oct 12	48	Sep 12	20	Jul 15 1934
INSTANTANEOUS PEAK FLOW	--		2090	Jun 1	6720[a]	Jun 11 1923
INSTANTANEOUS PEAK STAGE	--		4.91	Jun 1	9.65[b]	Apr 25 1980
ANNUAL RUNOFF (AC-FT)	275300		225600		315800	
10 PERCENT EXCEEDS	875		871		1220	
50 PERCENT EXCEEDS	170		130		163	
90 PERCENT EXCEEDS	97		78		70	

a Gage height, 6.24 ft, site and datum then in use.
b Backwater from ice jam.
e Estimated.



06622700 NORTH BRUSH CREEK NEAR SARATOGA, WY

LOCATION.--Lat 41°22'13", long 106°31'12", in NW$^1/_4$ SW$^1/_4$ NE$^1/_4$ sec.8, T.16 N., R.81 W., Carbon County, Hydrologic Unit 10180002, Medicine Bow National Forest, on right bank 0.2 mi upstream from bridge on logging road, 0.5 mi downstream from Lincoln Creek, 1.6 mi upstream from South Brush Creek, and 16 mi southeast of Saratoga.

DRAINAGE AREA.--37.4 mi^2.

PERIOD OF RECORD.--May 1960 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 8,020 ft above sea level, from topographic map. Prior to June 17, 1971, at site 0.02 mi downstream at different datum. June 17, 1971, to Aug. 2, 1984, at site 0.2 mi downstream at different datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. No diversion upstream from station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 350 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 5	2000	364	3.56
May 23	1930	*928	*4.45
May 29	1930	725	4.20

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	e11	e10	8.8	e8.0	8.7	e10	71	351	27	7.3	8.5
2	12	e11	10	8.8	e8.2	8.5	10	92	265	26	7.2	7.7
3	11	e10	9.8	8.8	e8.6	e8.6	12	127	254	24	7.2	7.0
4	11	e10	9.8	8.8	8.5	e9.0	11	180	252	22	7.3	6.8
5	11	e10	10	8.8	8.5	e9.6	15	256	237	19	7.3	6.7
6	11	e10	11	8.7	8.5	e9.6	16	289	226	18	7.2	6.4
7	14	e9.6	10	8.5	8.5	9.6	13	235	197	16	7.2	6.0
8	13	e8.4	10	8.5	8.1	e9.4	e16	165	172	17	7.0	6.6
9	12	e7.6	9.8	8.5	7.9	e9.4	17	124	161	24	6.8	10
10	11	e7.4	9.1	8.5	7.9	9.0	19	202	121	19	6.8	7.7
11	11	e7.2	9.1	8.5	7.9	e9.2	19	215	97	16	12	6.7
12	10	e7.0	9.1	8.5	7.9	9.6	24	132	86	15	15	6.5
13	9.8	e6.8	9.1	8.5	7.2	e9.4	29	114	109	14	15	6.5
14	9.8	e6.4	9.1	8.5	7.5	9.2	33	103	83	13	15	6.3
15	9.8	e5.8	9.1	8.5	7.6	8.6	30	124	75	12	15	6.2
16	9.6	e5.8	9.1	8.5	8.0	e8.6	24	191	70	14	15	6.0
17	e9.6	e6.0	9.5	8.5	8.5	e8.8	27	196	58	40	14	6.0
18	e9.8	e6.2	10	8.5	8.4	8.8	32	147	53	21	13	6.0
19	e11	e6.2	9.2	8.5	e8.0	e8.6	26	147	80	15	12	6.1
20	e11	e6.0	9.1	8.5	e8.2	8.4	28	162	88	12	9.2	8.8
21	e12	e5.8	9.1	8.5	9.1	8.6	28	195	56	11	7.6	9.9
22	e12	e5.8	9.1	8.5	8.8	e9.2	30	301	50	10	7.5	31
23	e11	e5.6	9.1	8.4	8.6	10	35	554	45	9.6	7.2	21
24	e11	e5.6	9.1	8.1	8.5	10	39	625	43	9.0	7.0	19
25	e11	e5.8	9.1	8.8	8.0	e10	34	553	41	8.5	8.0	16
26	e11	e6.6	9.1	8.8	e8.0	10	35	540	40	8.5	9.7	18
27	e11	e7.4	9.1	8.7	e8.6	11	48	406	49	8.5	11	18
28	e10	e8.4	9.1	7.9	8.8	12	65	450	45	8.5	9.5	18
29	e10	e8.8	9.0	7.9	8.8	e11	82	549	35	8.3	8.7	19
30	e11	e9.8	9.1	e7.8	---	11	77	526	30	7.8	8.8	19
31	e12	---	9.0	e7.8	---	11	---	452	---	7.5	8.8	---
TOTAL	343.4	228.0	291.8	262.9	239.1	294.4	884	8423	3469	481.2	300.3	327.4
MEAN	11.1	7.60	9.41	8.48	8.24	9.50	29.5	272	116	15.5	9.69	10.9
MAX	14	11	11	8.8	9.1	12	82	625	351	40	15	31
MIN	9.6	5.6	9.0	7.8	7.2	8.4	10	71	30	7.5	6.8	6.0
AC-FT	681	452	579	521	474	584	1750	16710	6880	954	596	649

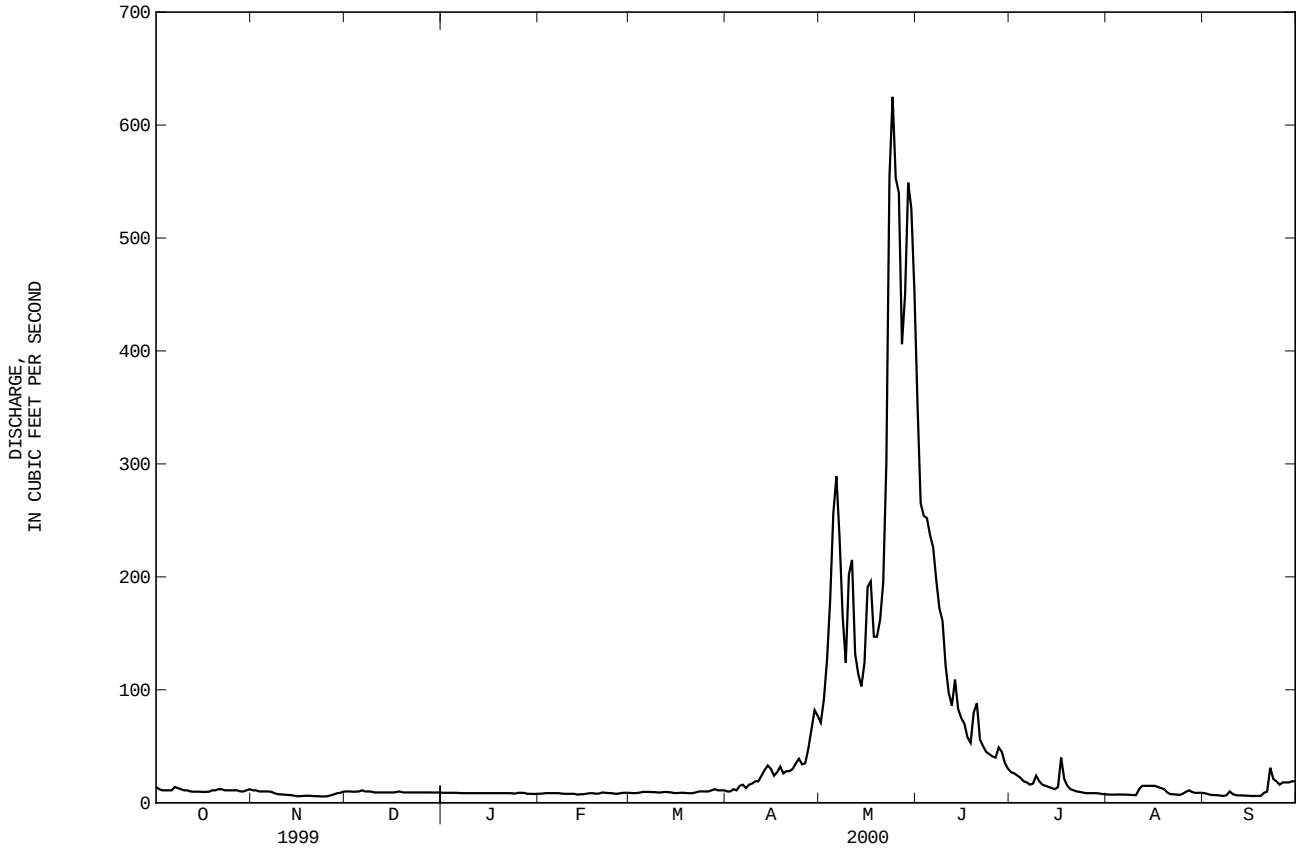
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2000, BY WATER YEAR (WY)

MEAN	14.2	11.6	10.1	9.30	9.28	10.6	23.7	169	262	57.4	13.9	12.7
MAX	38.7	21.3	15.1	14.0	12.7	20.1	73.4	272	534	224	29.5	27.2
(WY)	1966	1962	1984	1999	1999	1966	1962	2000	1983	1983	1983	1965
MIN	7.77	7.60	6.67	6.15	6.55	6.80	12.3	53.5	57.4	11.9	7.75	7.22
(WY)	1990	2000	1991	1970	1970	1970	1993	1995	1987	1994	1989	1989

06622700 NORTH BRUSH CREEK NEAR SARATOGA, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1961 - 2000	
ANNUAL TOTAL	27669.1		15544.5		--	
ANNUAL MEAN	75.8		42.5		50.3	
HIGHEST ANNUAL MEAN	--		--		82.0	1983
LOWEST ANNUAL MEAN	--		--		27.3	1989
HIGHEST DAILY MEAN	682	Jun 3	625	May 24	955	Jun 25 1983
LOWEST DAILY MEAN	5.6	Nov 23,24	5.6	Nov 23,24	4.3	Dec 21 1990
ANNUAL SEVEN-DAY MINIMUM	5.8	Nov 19	5.8	Nov 19	5.1	Oct 25 1976
INSTANTANEOUS PEAK FLOW	--		928	May 23	1360[a]	Jun 25 1983
INSTANTANEOUS PEAK STAGE	--		4.45	May 23	4.59	Jun 1 1997
ANNUAL RUNOFF (AC-FT)	54880		30830		36450	
10 PERCENT EXCEEDS	327		122		162	
50 PERCENT EXCEEDS	14		9.8		12	
90 PERCENT EXCEEDS	9.1		7.2		8.2	

a Gage height, 4.23 ft, site and datum then in use.
e Estimated.



06622900 SOUTH BRUSH CREEK NEAR SARATOGA, WY

LOCATION.--Lat 41°20'38", long 106°31'33", in NE$^1/_4$ NW$^1/_4$ sec.20, T.16 N., R.81 W., Carbon County, Hydrologic Unit 10180002, Medicine Bow National Forest, on left bank 300 ft upstream from culvert on State Highway 130, 1.6 mi upstream from North Brush Creek, and 17 mi southeast of Saratoga.

DRAINAGE AREA.--22.8 mi^2.

PERIOD OF RECORD.--May 1960 to September 1974, May 1976 to September 1977, May 1979 to current year (no winter records since 1972).

GAGE.--Water-stage recorder. Elevation of gage is 8,100 ft above sea level, from topographic map.

REMARKS.--Records poor. Transbasin diversion 0.3 mi upstream from station for irrigation in North Brush Creek basin.

COOPERATION.--Station operated and record provided by the Wyoming State Engineer's Office; record reviewed by U.S. Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	54	260	e3.3	12	6.6
2	---	---	---	---	---	---	---	73	229	e3.1	12	5.8
3	---	---	---	---	---	---	---	95	201	e2.9	12	5.1
4	---	---	---	---	---	---	---	119	173	e2.6	12	4.9
5	---	---	---	---	---	---	---	142	173	e2.1	12	4.6
6	---	---	---	---	---	---	---	153	166	e2.0	12	4.3
7	---	---	---	---	---	---	---	140	149	e1.8	11	4.2
8	---	---	---	---	---	---	---	108	131	e8.0	11	4.6
9	---	---	---	---	---	---	---	92	111	23	10	6.7
10	---	---	---	---	---	---	e8.0	105	80	19	10	5.0
11	---	---	---	---	---	---	e9.0	104	58	18	9.9	4.7
12	---	---	---	---	---	---	e12	86	47	16	9.7	4.6
13	---	---	---	---	---	---	e14	76	62	14	9.6	4.6
14	---	---	---	---	---	---	e16	73	38	13	9.5	4.6
15	---	---	---	---	---	---	e13	77	34	13	10	4.5
16	---	---	---	---	---	---	e11	96	29	15	10	4.4
17	---	---	---	---	---	---	e12	110	17	35	10	4.3
18	---	---	---	---	---	---	e16	95	13	19	9.2	4.4
19	---	---	---	---	---	---	e15	89	27	14	8.6	4.5
20	---	---	---	---	---	---	e14	96	27	13	7.0	6.5
21	---	---	---	---	---	---	12	105	12	13	6.1	7.7
22	---	---	---	---	---	---	14	134	9.5	12	6.0	15
23	---	---	---	---	---	---	15	199	8.0	11	6.2	12
24	---	---	---	---	---	---	17	264	8.3	11	5.8	10
25	---	---	---	---	---	---	15	240	7.3	10	6.3	8.8
26	---	---	---	---	---	---	17	234	6.4	10	6.6	10
27	---	---	---	---	---	---	28	221	9.5	10	7.3	11
28	---	---	---	---	---	---	44	235	7.2	11	7.8	13
29	---	---	---	---	---	---	58	272	4.4	9.8	7.1	13
30	---	---	---	---	---	---	58	281	3.7	9.5	7.2	11
31	---	---	---	---	---	---	---	263	---	9.2	7.1	---
TOTAL	---	---	---	---	---	---	---	4431	2101.3	354.3	281.0	210.4
MEAN	---	---	---	---	---	---	---	143	70.0	11.4	9.06	7.01
MAX	---	---	---	---	---	---	---	281	260	35	12	15
MIN	---	---	---	---	---	---	---	54	3.7	1.8	5.8	4.2
AC-FT	---	---	---	---	---	---	---	8790	4170	703	557	417

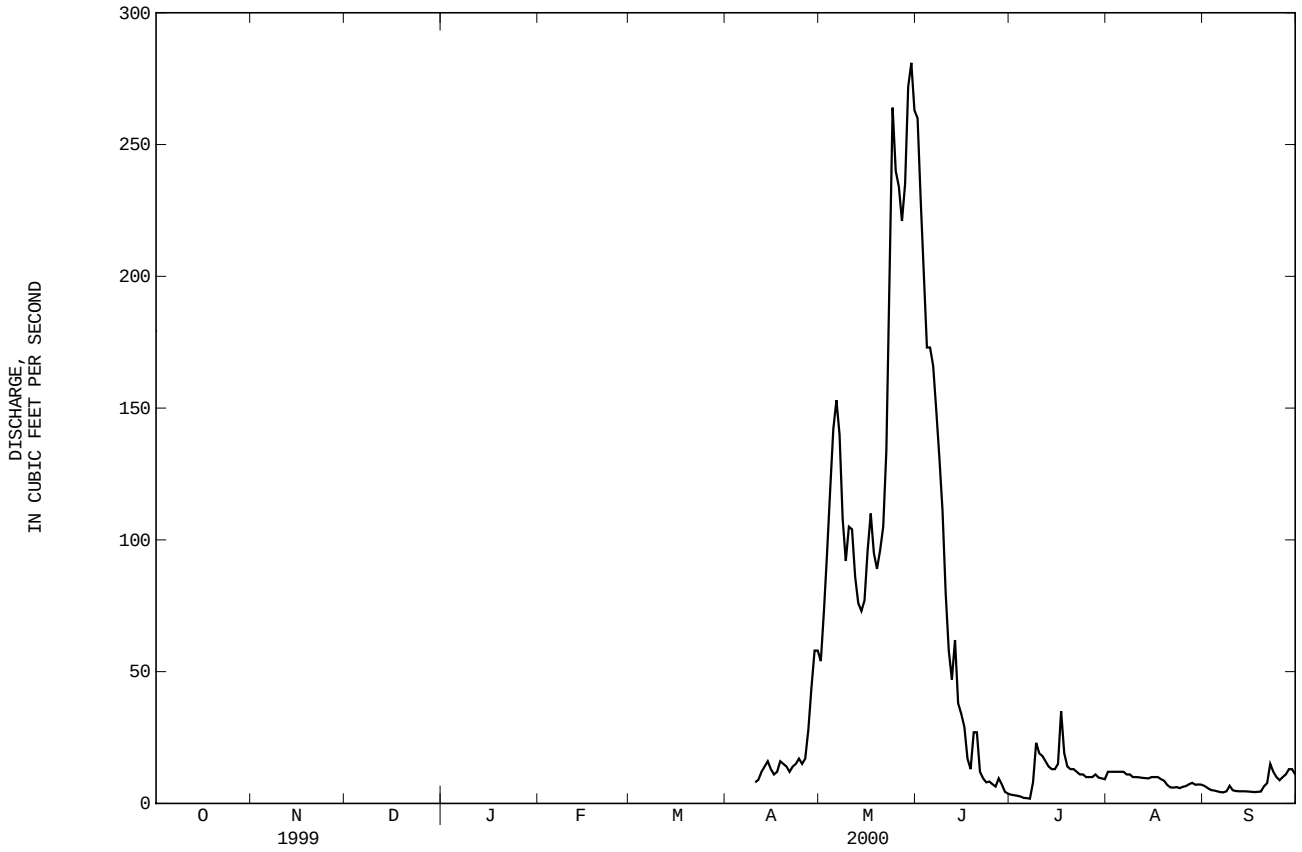
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2000, BY WATER YEAR (WY)*

MEAN	11.7	9.02	7.14	5.83	6.01	6.63	15.3	88.4	151	42.3	10.1	7.98
MAX	33.8	25.9	17.2	9.61	9.46	11.3	54.2	147	295	139	29.4	24.8
(WY)	1962	1962	1962	1962	1962	1966	1962	1994	1968	1983	1983	1961
MIN	3.59	5.41	4.04	2.40	3.71	4.61	7.53	34.9	20.9	8.67	1.91	1.27
(WY)	1965	1964	1965	1965	1965	1963	1968	1982	1987	1988	1998	1998

06622900 SOUTH BRUSH CREEK NEAR SARATOGA, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1961 - 2000*	
HIGHEST DAILY MEAN	281	May 30	501	Jun 10 1965
LOWEST DAILY MEAN	1.8	Jul 7	.80	Aug 15-20, 28,29 1963
INSTANTANEOUS PEAK FLOW	302	May 29	559	Jun 10 1965
INSTANTANEOUS PEAK STAGE	3.44	May 29	4.09	Jun 10 1965

* During period of operation.
e Estimated



06623800 ENCAMPMENT RIVER ABOVE HOG PARK CREEK, NEAR ENCAMPMENT, WY
(Hydrologic benchmark station)

LOCATION.--Lat 41°01'25", long 106°49'27", in NE$^1/_4$ SW$^1/_4$ sec.10, T.12 N., R.84 W., Carbon County, Hydrologic Unit 10180002, Medicine Bow National Forest, on left bank 0.6 mi upstream from Hog Park Creek and 13 mi south of Encampment.

DRAINAGE AREA.--72.7 mi^2.

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 8,270 ft above sea level, from topographic map.

REMARKS.--Records fair except those for mid-October through March and June 8 to July 12, which are poor. No diversion upstream from station.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 750 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 29	2130	*1,210	*4.63

No other peak base above discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	e25	e23	25	e22	21	e18	150	850	e94	29	26
2	32	e23	e23	24	e23	22	18	226	719	e88	29	23
3	30	e22	e22	24	e24	21	e17	287	696	e80	28	20
4	29	e22	e22	24	e23	22	17	348	659	e66	27	19
5	29	e23	e22	24	e22	22	21	422	640	e60	27	18
6	29	e23	e23	24	e23	21	e22	441	614	e58	26	19
7	42	e22	e24	24	e23	21	24	409	586	e58	24	18
8	37	e20	e24	24	e24	20	e28	338	e560	e66	24	20
9	31	e19	e23	23	24	20	e29	278	e530	e78	23	25
10	28	e17	e23	e23	24	19	e30	341	e460	e76	23	19
11	27	e16	e23	24	24	20	e32	327	e390	e66	26	17
12	27	e15	24	24	24	20	e37	261	e330	e59	23	17
13	25	e15	23	24	22	19	e43	239	e320	57	23	16
14	25	e14	23	24	21	18	52	244	e300	56	25	16
15	26	e14	23	24	20	18	56	277	e290	57	24	16
16	24	e14	23	24	22	19	52	348	e270	55	23	15
17	e24	e15	23	24	22	19	54	360	e250	54	23	15
18	e25	e16	24	24	22	18	62	307	e220	59	23	16
19	e27	e15	e23	25	22	18	60	291	e250	49	24	16
20	e28	e14	e23	25	21	18	56	326	e350	46	21	21
21	e28	e14	e23	25	25	18	59	382	e270	43	20	45
22	e27	e13	e24	25	25	18	65	468	e230	41	25	104
23	e27	e14	e24	e23	24	19	66	650	e200	40	33	65
24	e27	e15	e24	e23	23	18	71	789	e170	38	23	48
25	e26	e16	e25	e24	23	e19	64	754	e140	36	24	36
26	e25	e17	26	e24	22	19	71	855	e130	36	37	37
27	e25	e18	26	e23	24	e20	98	716	e120	39	38	32
28	e24	e19	26	e23	23	e18	139	804	e130	36	28	28
29	e24	e20	26	e22	23	e18	166	1010	e110	34	27	28
30	e25	e22	26	e22	---	e17	154	1000	e100	32	30	32
31	e25	---	25	e22	---	e17	---	958	---	30	27	---
TOTAL	864	532	736	737	664	597	1681	14606	10884	1687	807	827
MEAN	27.9	17.7	23.7	23.8	22.9	19.3	56.0	471	363	54.4	26.0	27.6
MAX	42	25	26	25	25	22	166	1010	850	94	38	104
MIN	24	13	22	22	20	17	17	150	100	30	20	15
AC-FT	1710	1060	1460	1460	1320	1180	3330	28970	21590	3350	1600	1640

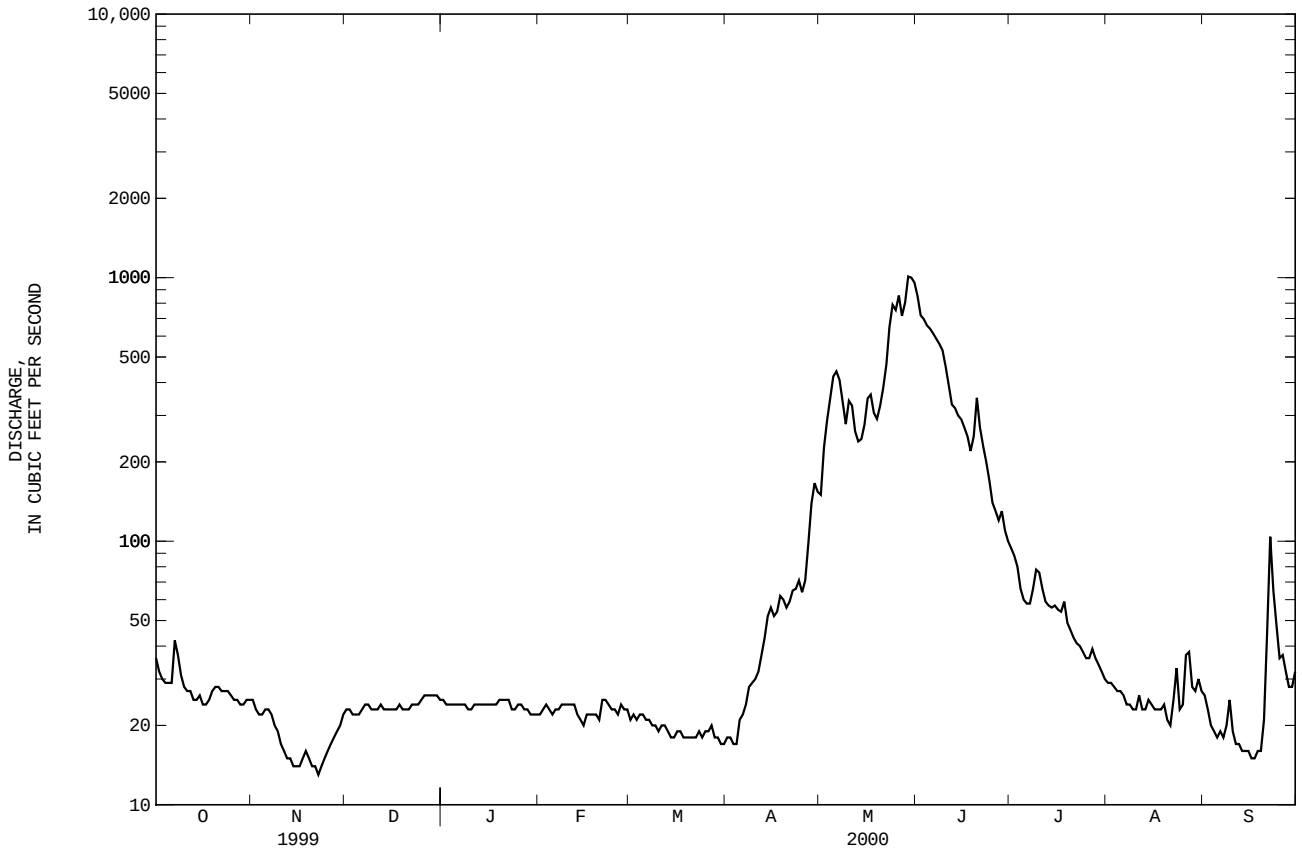
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2000, BY WATER YEAR (WY)

MEAN	31.5	25.3	22.6	20.1	19.0	20.0	40.8	281	611	209	47.8	33.2
MAX	71.5	45.2	33.9	28.9	28.1	31.4	76.5	471	919	581	83.3	82.2
(WY)	1998	1998	1998	1971	1971	1997	1989	2000	1997	1995	1995	1997
MIN	17.5	15.6	11.7	10.9	10.8	10.9	19.3	120	171	46.2	25.2	18.1
(WY)	1992	1978	1969	1969	1969	1969	1975	1995	1992	1994	1977	1994

06623800 ENCAMPMENT RIVER ABOVE HOG PARK CREEK, NEAR ENCAMPMENT, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1965 - 2000	
ANNUAL TOTAL	51980		34622		--	
ANNUAL MEAN	142		94.6		113	
HIGHEST ANNUAL MEAN	--		--		159	1982
LOWEST ANNUAL MEAN	--		--		51.2	1977
HIGHEST DAILY MEAN	1080[e]	Jun 19	1010[e]	May 29	1360	Jun 25 1983
LOWEST DAILY MEAN	13	Nov 22	13[e]	Nov 22	9.5	Dec 31 1968
ANNUAL SEVEN-DAY MINIMUM	14	Nov 16	14	Nov 16	10	Mar 8 1969
INSTANTANEOUS PEAK FLOW	--		1210	May 29	1680[a]	Jun 13 1965
INSTANTANEOUS PEAK STAGE	--		4.63	May 29	4.94	Jun 2 1997
ANNUAL RUNOFF (AC-FT)	103100		68670		82180	
10 PERCENT EXCEEDS	578		302		385	
50 PERCENT EXCEEDS	29		25		28	
90 PERCENT EXCEEDS	23		18		17	

a About June 13, 1965; from slope-area measurement of peak flow, gage height not determined.
e Estimated.



06625000 ENCAMPMENT RIVER AT MOUTH, NEAR ENCAMPMENT, WY

LOCATION.--Lat 41°18'12", long 106°42'53", in NE$^1/_4$ NW$^1/_4$ sec.3, T.15 N., R.83 W., Carbon County, Hydrologic Unit 10180002, on left bank 0.5 mi upstream from mouth and 8.0 mi northeast of Encampment.

DRAINAGE AREA.--265 mi^2.

PERIOD OF RECORD.--April 1940 to current year. Monthly discharge only for some periods, published in WSP 1310.

REVISED RECORDS.--WSP 1710: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,970 ft above sea level, from topographic map. Prior to June 28, 1961, water-stage recorder at site 660 ft upstream at datum 2.00 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Five small reservoirs upstream from station for irrigation, total capacity, about 400 acre-ft. Slight regulation by Hog Park Creek Reservoir, capacity, about 2,970 acre-ft. Diversions for irrigation of about 8,800 acres upstream from station. Transbasin diversion upstream from station into Hog Park Creek (tributary to Encampment River) from North Fork Little Snake River for municipal, industrial, and irrigation uses began September 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 1,700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 30	0300	*2,210	*5.55

No other peak greater than base discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	108	89	84	e80	e68	81	110	429	1550	76	23	37
2	101	76	81	e78	e68	83	116	514	1240	72	22	36
3	97	85	80	e76	e70	83	109	663	1150	68	20	32
4	95	86	e78	e76	e72	87	110	807	1090	59	21	30
5	94	86	e78	e74	e70	90	121	1050	1020	47	21	29
6	96	83	e80	e72	e68	93	133	1190	954	46	20	27
7	111	80	e80	e72	e68	96	134	1150	835	44	19	27
8	121	83	77	e72	e70	93	129	1040	775	47	19	28
9	107	83	e76	e70	e70	96	141	872	721	62	20	33
10	101	79	e76	e70	70	96	153	921	609	62	19	30
11	97	82	e74	e70	71	99	151	906	497	51	19	26
12	90	76	e76	e72	72	94	158	733	429	46	17	25
13	88	74	e76	e72	71	87	164	654	408	42	17	24
14	88	74	e74	e72	70	94	188	615	370	39	20	24
15	88	70	e72	e74	70	101	206	609	320	38	22	23
16	90	73	e72	e74	e74	108	188	689	299	38	22	23
17	79	81	e74	e74	74	98	186	815	273	37	24	23
18	97	e88	e76	e76	e76	103	212	706	247	38	21	21
19	93	e74	e76	e76	e76	99	212	654	273	36	23	18
20	94	e76	e74	e78	e74	104	198	660	427	34	25	31
21	95	e76	e72	e78	82	104	200	722	299	35	25	34
22	94	e74	e72	e78	84	103	229	845	258	33	22	197
23	93	e68	e74	e76	86	110	238	1080	233	31	36	181
24	91	e70	e76	e74	84	114	267	1470	186	28	36	138
25	89	e76	e76	e74	83	112	237	1410	147	26	39	98
26	89	e78	e78	e76	e82	118	242	1690	148	25	42	93
27	88	e80	e80	e78	e86	116	286	1400	144	28	47	82
28	87	e82	e80	e76	84	122	377	1430	134	28	40	72
29	92	e84	e82	e74	83	120	482	1850	104	27	35	68
30	87	85	e82	e70	---	119	496	1880	86	24	38	68
31	85	---	e82	e68	---	114	---	1720	---	22	38	---
TOTAL	2925	2371	2388	2300	2176	3137	6173	31174	15226	1289	812	1578
MEAN	94.4	79.0	77.0	74.2	75.0	101	206	1006	508	41.6	26.2	52.6
MAX	121	89	84	80	86	122	496	1880	1550	76	47	197
MIN	79	68	72	68	68	81	109	429	86	22	17	18
AC-FT	5800	4700	4740	4560	4320	6220	12240	61830	30200	2560	1610	3130

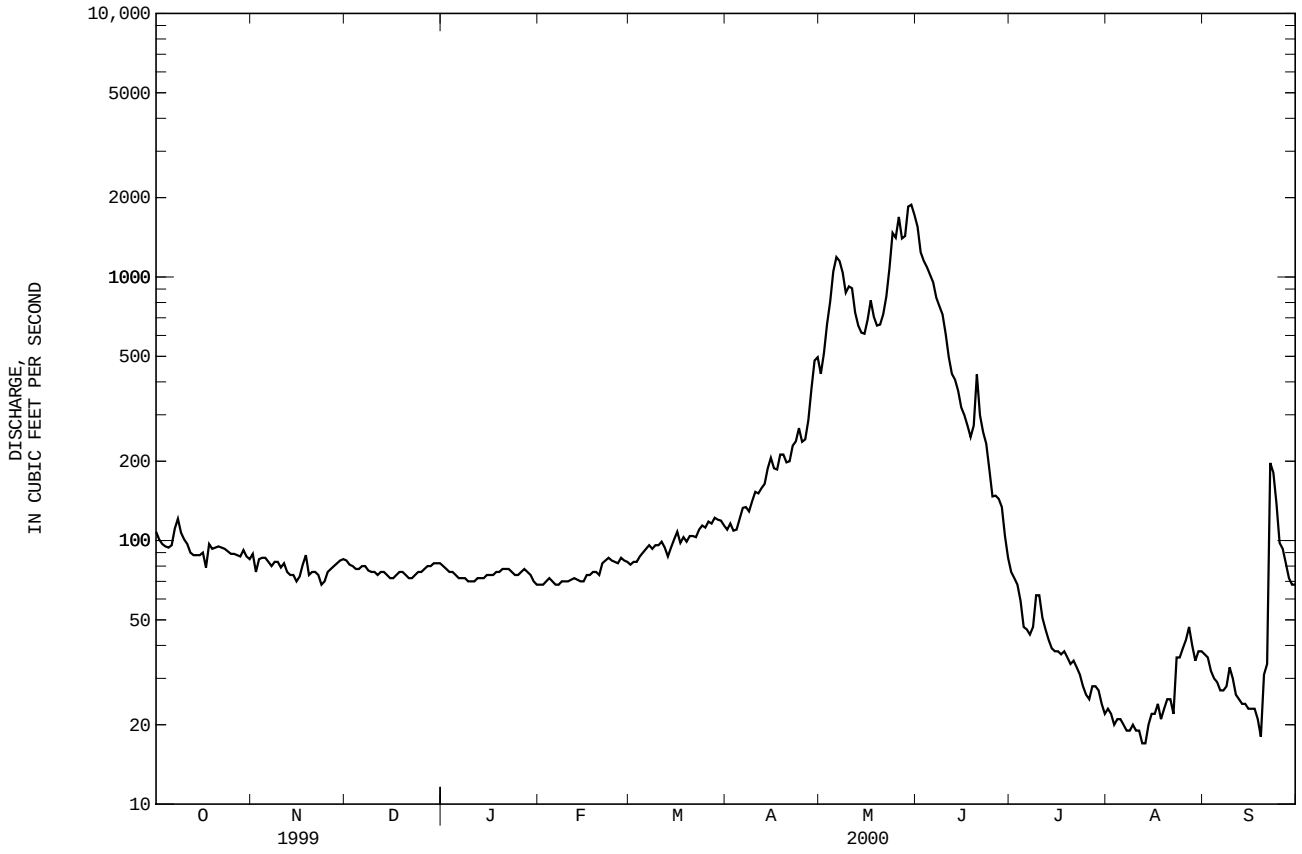
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2000, BY WATER YEAR (WY)

MEAN	78.9	78.8	69.5	62.2	63.0	70.8	149	769	1197	287	68.3	55.9
MAX	167	156	131	122	115	117	352	1258	2029	942	178	174
(WY)	1998	1998	1998	1998	1962	1989	1962	1952	1971	1995	1982	1997
MIN	29.4	42.6	49.2	34.2	35.8	44.5	71.3	340	193	29.2	21.5	14.2
(WY)	1980	1977	1964	1963	1955	1964	1944	1977	1987	1994	1948	1954

06625000 ENCAMPMENT RIVER AT MOUTH, NEAR ENCAMPMENT, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1941 - 2000	
ANNUAL TOTAL	109601		71549		--	
ANNUAL MEAN	300		195		246	
HIGHEST ANNUAL MEAN	--		--		375	1997
LOWEST ANNUAL MEAN	--		--		102	1977
HIGHEST DAILY MEAN	2170[e]	May 31	1880	May 30	3640	Jun 4 1952
LOWEST DAILY MEAN	68[e]	Nov 23	17	Aug 12,13	8.0[a]	Sep 1 1954
ANNUAL SEVEN-DAY MINIMUM	73	Nov 19	19	Aug 7	8.9	Aug 28 1954
INSTANTANEOUS PEAK FLOW	--		2210	May 30	4510[b]	Jun 1 1943
INSTANTANEOUS PEAK STAGE	--		5.55	May 30	10.33[c]	Jun 4 1952
ANNUAL RUNOFF (AC-FT)	217400		141900		178000	
10 PERCENT EXCEEDS	1100		627		796	
50 PERCENT EXCEEDS	101		81		75	
90 PERCENT EXCEEDS	78		27		42	

a Minimum daily discharge for period of record, 5.2 ft^3/s, Aug. 15, 16, 1940.
b Gage height, 10.25 ft, present datum.
c Present datum.
e Estimated.



06627800 JACK CREEK ABOVE COYOTE DRAW, NEAR SARATOGA, WY

LOCATION.--Lat 41°26'21", long 106°58'16", in NW$^1/_4$ NE$^1/_4$ NW$^1/_4$ sec.21, T.17 N., R.85 W., Carbon County, Hydrologic Unit 10180002, on left bank 1.2 mi upstream from Coyote Draw and Blydenburg and Morgan Ditches, 2.0 mi downstream from Gartman Creek, and 8.2 mi west of Saratoga.

DRAINAGE AREA.-- 109 mi^2.

PERIOD OF RECORD.--April 1990 to current year (no winter records).

GAGE.--Water-stage recorder. Elevation of gage is 7,050 ft above sea level, from topographic map.

REMARKS.--Records poor. Diversions for irrigation of about 2,000 acres upstream from station.

COOPERATION.--Station operated and record provided by Office of the Wyoming State Engineer; record reviewed by U.S. Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	42	82	13	2.7	3.8
2	---	---	---	---	---	---	---	40	77	12	2.7	3.4
3	---	---	---	---	---	---	---	47	72	11	2.5	2.9
4	---	---	---	---	---	---	16	53	71	9.5	2.3	2.5
5	---	---	---	---	---	---	21	58	73	8.8	2.2	2.1
6	---	---	---	---	---	---	25	65	69	8.5	2.2	1.9
7	---	---	---	---	---	---	23	59	63	7.6	1.9	2.2
8	---	---	---	---	---	---	21	73	61	7.1	1.5	2.8
9	---	---	---	---	---	---	22	61	57	8.9	1.4	3.2
10	---	---	---	---	---	---	28	77	54	11	1.3	2.6
11	---	---	---	---	---	---	28	85	47	9.6	1.3	2.1
12	---	---	---	---	---	---	29	61	42	8.7	1.3	2.0
13	---	---	---	---	---	---	29	50	41	7.6	1.3	1.8
14	---	---	---	---	---	---	34	49	38	6.7	1.2	1.9
15	---	---	---	---	---	---	29	44	34	6.5	1.4	1.5
16	---	---	---	---	---	---	26	44	33	6.4	1.7	1.2
17	---	---	---	---	---	---	24	68	31	7.5	3.3	.85
18	---	---	---	---	---	---	26	82	28	8.1	3.2	.89
19	---	---	---	---	---	---	26	87	27	7.3	2.6	.88
20	---	---	---	---	---	---	25	94	36	5.9	2.1	1.3
21	---	---	---	---	---	---	25	82	27	4.9	1.5	1.8
22	---	---	---	---	---	---	28	75	24	4.1	1.5	4.2
23	---	---	---	---	---	---	29	76	22	3.6	2.5	15
24	---	---	---	---	---	---	35	88	20	2.6	2.5	11
25	---	---	---	---	---	---	30	93	18	2.5	2.0	9.8
26	---	---	---	---	---	---	26	96	19	2.8	2.3	11
27	---	---	---	---	---	---	34	89	18	3.2	3.3	13
28	---	---	---	---	---	---	36	81	19	3.6	4.0	9.0
29	---	---	---	---	---	---	46	93	16	3.1	3.2	7.8
30	---	---	---	---	---	---	54	100	14	2.7	2.8	7.7
31	---	---	---	---	---	---	---	89	---	2.8	3.3	---
TOTAL	---	---	---	---	---	---	---	2201	1233	207.6	69.0	132.12
MEAN	---	---	---	---	---	---	---	71.0	41.1	6.70	2.23	4.40
MAX	---	---	---	---	---	---	---	100	82	13	4.0	15
MIN	---	---	---	---	---	---	---	40	14	2.5	1.2	.85
AC-FT	---	---	---	---	---	---	---	4370	2450	412	137	262

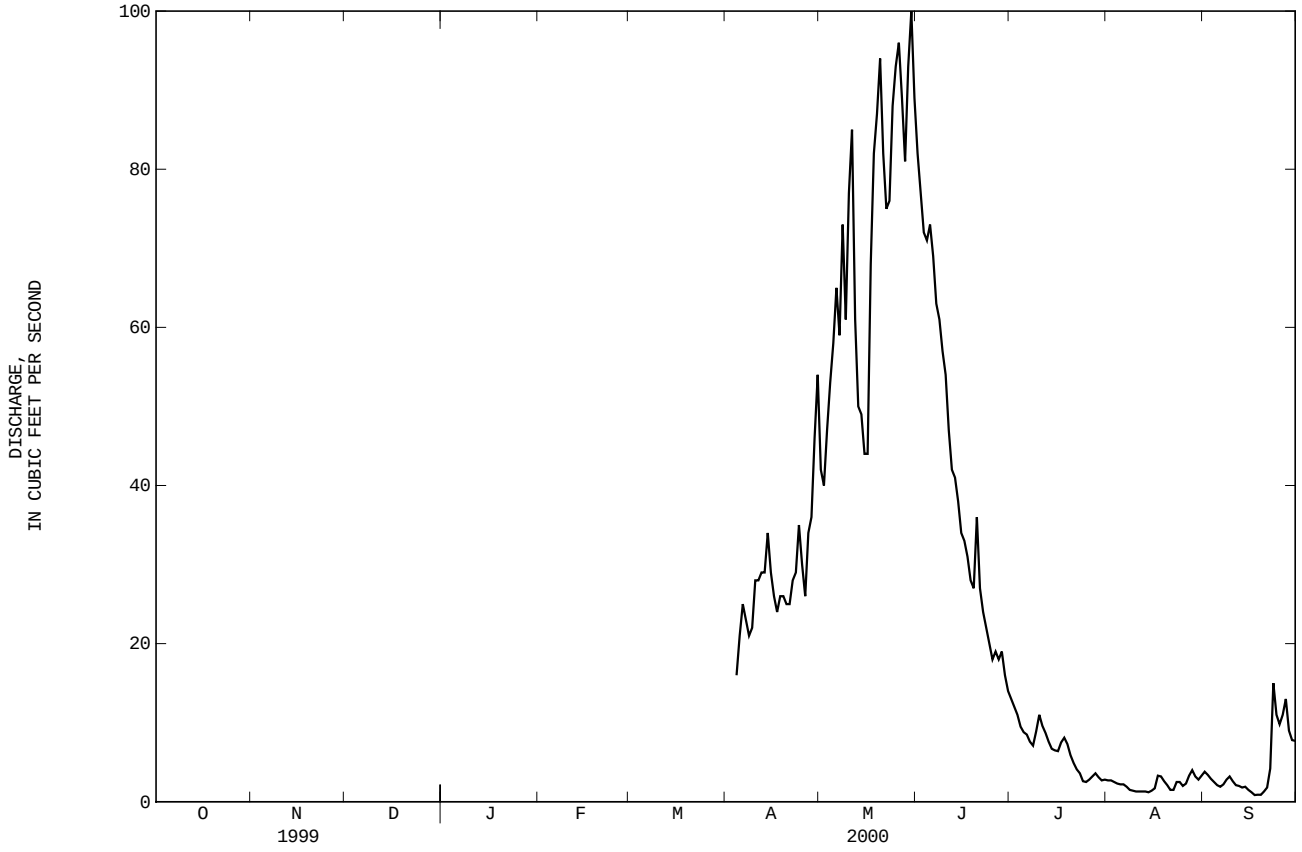
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2000, BY WATER YEAR (WY)*

MEAN	---	---	---	---	---	---	29.9	108	102	26.8	7.59	5.96
MAX	---	---	---	---	---	---	44.0	175	230	84.0	14.0	10.9
(WY)	---	---	---	---	---	---	1997	1997	1995	1995	1995	1997
MIN	---	---	---	---	---	---	15.6	39.7	32.9	6.70	2.23	2.76
(WY)	---	---	---	---	---	---	1991	1990	1992	2000	2000	1990

06627800 JACK CREEK ABOVE COYOTE DRAW, NEAR SARATOGA, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1990 - 2000*	
HIGHEST DAILY MEAN	100	May 30	379	Jun 9 1995
LOWEST DAILY MEAN	.85	Sep 17	.40	Aug 27 1994
INSTANTANEOUS PEAK FLOW	117	May 20	461[a]	Jun 9 1993
INSTANTANEOUS PEAK STAGE	5.06	May 20	7.22	Jun 9 1995

* During period of operation.
a Gage height, 7.08 ft.



06628900 PASS CREEK NEAR ELK MOUNTAIN, WY

LOCATION.--Lat 41°35'12", long 106°36'40", in NE$^1/_4$ SE$^1/_4$ SE$^1/_4$ sec.28, T.19 N., R.82 W., Carbon County, Hydrologic Unit 10180002, on right bank 500 ft upstream from bridge on county road, 700 ft upstream from Brush Creek, 12 mi southwest of town of Elk Mountain, and 14 mi northeast of Saratoga.

DRAINAGE AREA.--91.5 mi^2. Area at mouth, 279 mi^2.

PERIOD OF RECORD.--April 1957 to current year (no winter records since 1992).

GAGE.--Water-stage recorder. Elevation of gage is 7,230 ft above sea level, from topographic map. Apr. 18, 1957 to Oct. 6, 1966, 274 ft upstream at datum 6.00 ft higher. Oct. 7, 1966 to Sept 23, 1987, at site 289 ft upstream at datum 6.00 ft higher.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Diversions for irrigation of about 6,300 acres upstream from station. Diversion to Kerr ditch 7.5 mi upstream. Result of discharge measurement, in cubic feet per second, made when station was not in operation, is given below:

Mar. 28 . . . 59.6

COOPERATION.--Station operated and record provided by the Wyoming State Engineer's Office; record reviewed by U.S. Geological Survey.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 19	2300	*703	*7.85

No other peak greater than base discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	32	81	78	17	5.0	5.3
2	---	---	---	---	---	---	27	91	67	16	4.8	6.5
3	---	---	---	---	---	---	27	113	61	15	4.4	5.0
4	---	---	---	---	---	---	30	136	53	14	4.3	4.1
5	---	---	---	---	---	---	81	161	50	13	4.2	3.8
6	---	---	---	---	---	---	77	153	46	12	4.2	3.6
7	---	---	---	---	---	---	50	120	41	11	4.0	3.4
8	---	---	---	---	---	---	e42	113	39	11	3.8	3.4
9	---	---	---	---	---	---	e54	66	37	13	3.7	5.3
10	---	---	---	---	---	---	e58	125	37	14	3.6	5.4
11	---	---	---	---	---	---	e66	142	31	12	3.5	4.2
12	---	---	---	---	---	---	e62	81	27	11	3.5	3.8
13	---	---	---	---	---	---	e72	60	48	10	3.4	3.8
14	---	---	---	---	---	---	82	60	59	9.9	3.4	4.6
15	---	---	---	---	---	---	78	49	50	9.7	3.4	5.4
16	---	---	---	---	---	---	57	49	58	9.2	3.7	5.5
17	---	---	---	---	---	---	69	92	57	21	4.5	5.5
18	---	---	---	---	---	---	77	130	48	17	4.9	5.5
19	---	---	---	---	---	---	49	321	54	12	4.5	5.5
20	---	---	---	---	---	---	67	404	79	9.7	3.9	7.6
21	---	---	---	---	---	---	103	253	49	8.9	3.5	9.0
22	---	---	---	---	---	---	87	184	43	8.3	3.0	e28
23	---	---	---	---	---	---	75	180	37	7.6	3.2	e21
24	---	---	---	---	---	---	91	201	35	7.1	3.3	e19
25	---	---	---	---	---	---	59	176	35	6.2	3.4	e16
26	---	---	---	---	---	---	65	189	53	5.8	4.1	e15
27	---	---	---	---	---	---	88	149	30	6.0	5.3	e16
28	---	---	---	---	---	---	96	117	26	6.5	5.3	e16
29	---	---	---	---	---	---	112	116	22	6.0	5.2	15
30	---	---	---	---	---	---	140	114	18	5.5	5.4	14
31	---	---	---	---	---	---	---	97	---	5.1	5.3	---
TOTAL	---	---	---	---	---	---	2073	4323	1368	330.5	127.7	266.2
MEAN	---	---	---	---	---	---	69.1	139	45.6	10.7	4.12	8.87
MAX	---	---	---	---	---	---	140	404	79	21	5.4	28
MIN	---	---	---	---	---	---	27	49	18	5.1	3.0	3.4
AC-FT	---	---	---	---	---	---	4110	8570	2710	656	253	528

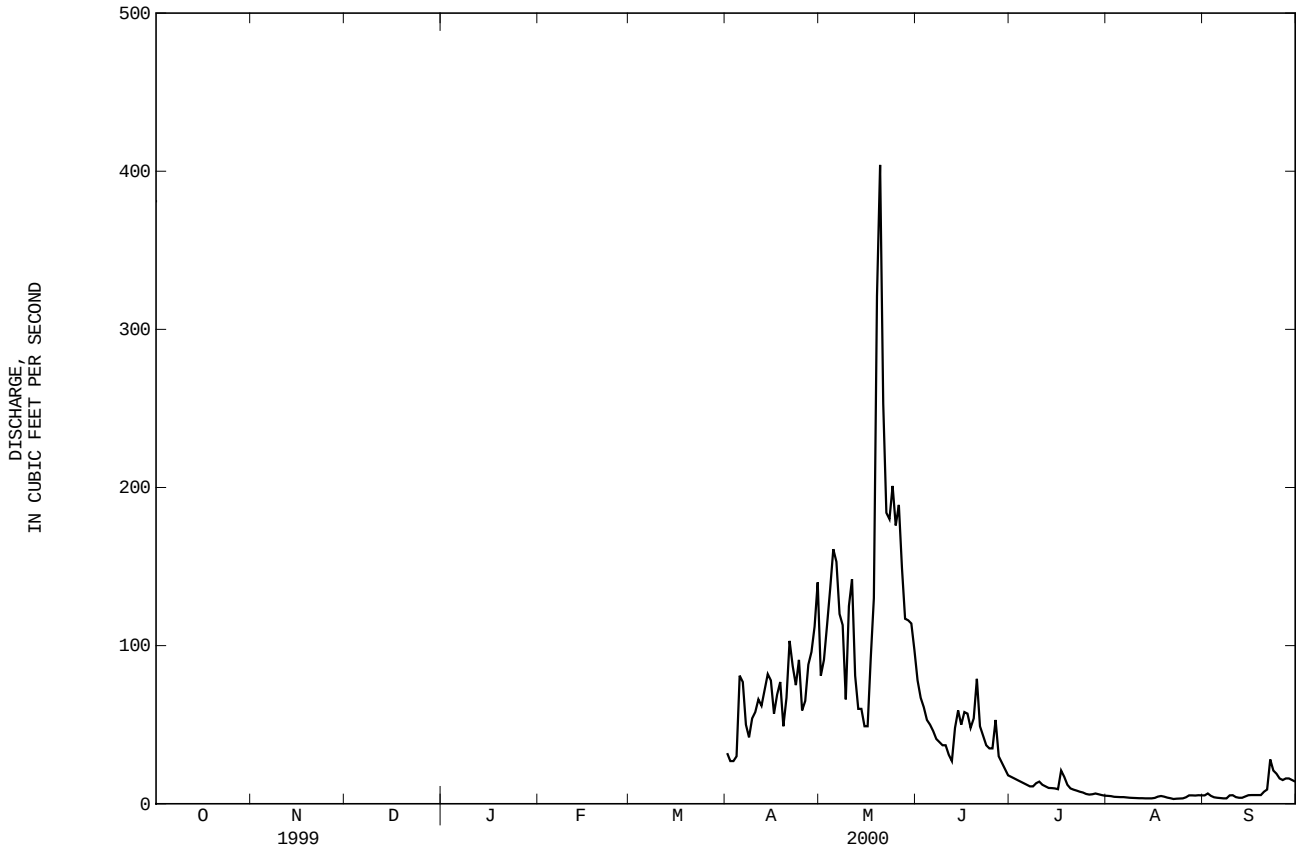
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2000, BY WATER YEAR (WY)*

MEAN	12.1	11.8	10.2	9.56	10.2	18.1	64.8	180	132	30.8	12.8	10.1
MAX	20.5	24.9	17.6	15.3	23.6	44.5	151	540	360	85.9	31.9	23.8
(WY)	1971	1974	1974	1984	1962	1960	1971	1984	1983	1983	1983	1982
MIN	4.98	5.20	6.87	5.43	4.37	7.31	14.8	62.0	36.1	6.81	3.14	3.37
(WY)	1964	1978	1978	1981	1982	1965	1966	1989	1989	1994	1989	1977

06628900 PASS CREEK NEAR ELK MOUNTAIN, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1957 - 2000*	
ANNUAL MEAN	--		41.1	
HIGHEST ANNUAL MEAN	--		86.4	1984
LOWEST ANNUAL MEAN	--		20.2	1959
HIGHEST DAILY MEAN	404	May 20	1780	May 12 1984
LOWEST DAILY MEAN	3.0	Aug 22	93[a]	Sep 7 1989
INSTANTANEOUS PEAK FLOW	703	May 19	4660[a]	May 12 1984
INSTANTANEOUS PEAK STAGE	7.85	May 19	9.12[b]	May 12 1984
ANNUAL RUNOFF (AC-FT)	--		29790	

* During period of operation.
a From rating curve extended above 1,600 ft^3/s on basis of slope-area measurement of peak flow.
b From floodmarks, site and datum then in use.
e Estimated.



06630000 NORTH PLATTE RIVER ABOVE SEMINOE RESERVOIR, NEAR SINCLAIR, WY

LOCATION.--Lat 41°52'20", long 107°03'25", in SW¼ SW¼ sec.13, T.22 N., R.86 W., Carbon County, Hydrologic Unit 10180002, on left bank 6.5 mi northeast of Sinclair and 14 mi upstream from high-water line of Seminoe Reservoir at elevation 6,357 ft.

DRAINAGE AREA.--4,175 mi^2, of which 114 mi^2 probably is non-contributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1939 to current year. Prior to October 1943, published as "near Parco."

REVISED RECORDS.--WDR-76-1: Drainage area.

GAGE.--Water-stage recorder. Sharp-crested weir since Mar. 25, 1993. Datum of gage is 6,400.75 ft above sea level.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Diversions for irrigation of about 215,000 acres upstream from station. Transbasin diversions upstream from station. State of Wyoming data collection platform with satellite telemetry at station.

COOPERATION.--Six discharge measurements provided by the Wyoming State Engineer's Office.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	438	423	507	e370	e340	e500	891	2460	5100	704	236	215
2	458	432	515	e370	e360	e480	810	2390	4630	612	222	221
3	446	420	487	e350	e370	e470	828	2480	4060	549	209	224
4	422	390	e450	e330	e350	e500	728	2560	3630	499	200	212
5	408	415	e460	e350	e350	522	713	2800	3330	453	193	182
6	400	441	e460	e340	e370	563	834	3220	3050	430	191	161
7	416	447	e450	e350	e390	617	1000	3410	2760	388	184	151
8	446	430	e420	e350	e400	627	1160	3410	2550	371	177	144
9	466	422	e380	e350	e400	592	1100	3180	2420	379	167	131
10	451	423	e390	e340	e400	600	1140	2950	2280	434	160	134
11	429	418	e380	e350	e400	561	1290	3090	2020	442	151	143
12	412	414	e400	e350	e390	526	1310	2780	1800	437	139	125
13	406	406	e410	e320	e400	550	1300	2410	1570	452	137	109
14	398	380	e400	e340	e420	523	1330	2200	1440	417	129	104
15	394	366	e400	e360	e440	535	1480	1960	1320	380	136	103
16	400	366	e410	e370	e470	541	1640	1720	1220	377	148	102
17	399	361	e450	e370	e470	487	1540	1790	1130	384	162	93
18	394	378	e420	e360	e450	540	1470	2130	1060	409	173	90
19	384	461	e390	e360	e460	522	1550	2210	1040	404	171	89
20	439	437	e380	e350	e490	522	1560	2410	1090	374	161	93
21	435	403	e400	e350	e500	576	1440	2390	1310	366	166	99
22	442	e370	e380	e350	e520	498	1400	2410	1360	363	151	159
23	440	e330	e390	e330	e530	528	1510	2440	1210	342	145	349
24	434	e300	e400	e330	e540	581	1660	3040	1030	310	137	534
25	429	e230	e380	e340	e500	627	1920	3650	880	282	146	534
26	424	e340	e360	e350	e470	625	1810	4010	797	257	155	560
27	413	e500	e360	e350	e500	687	1700	4490	769	245	215	555
28	413	e600	e370	e340	e520	750	1790	4290	824	250	230	516
29	411	e550	e380	e320	e510	863	2020	4630	883	261	213	439
30	424	503	e380	e330	---	911	2330	5310	805	253	223	385
31	444	---	e380	e340	---	936	---	5250	---	256	224	---
TOTAL	13115	12356	12739	10760	12710	18360	41254	93470	57368	12080	5451	6956
MEAN	423	412	411	347	438	592	1375	3015	1912	390	176	232
MAX	466	600	515	370	540	936	2330	5310	5100	704	236	560
MIN	384	230	360	320	340	470	713	1720	769	245	129	89
AC-FT	26010	24510	25270	21340	25210	36420	81830	185400	113800	23960	10810	13800

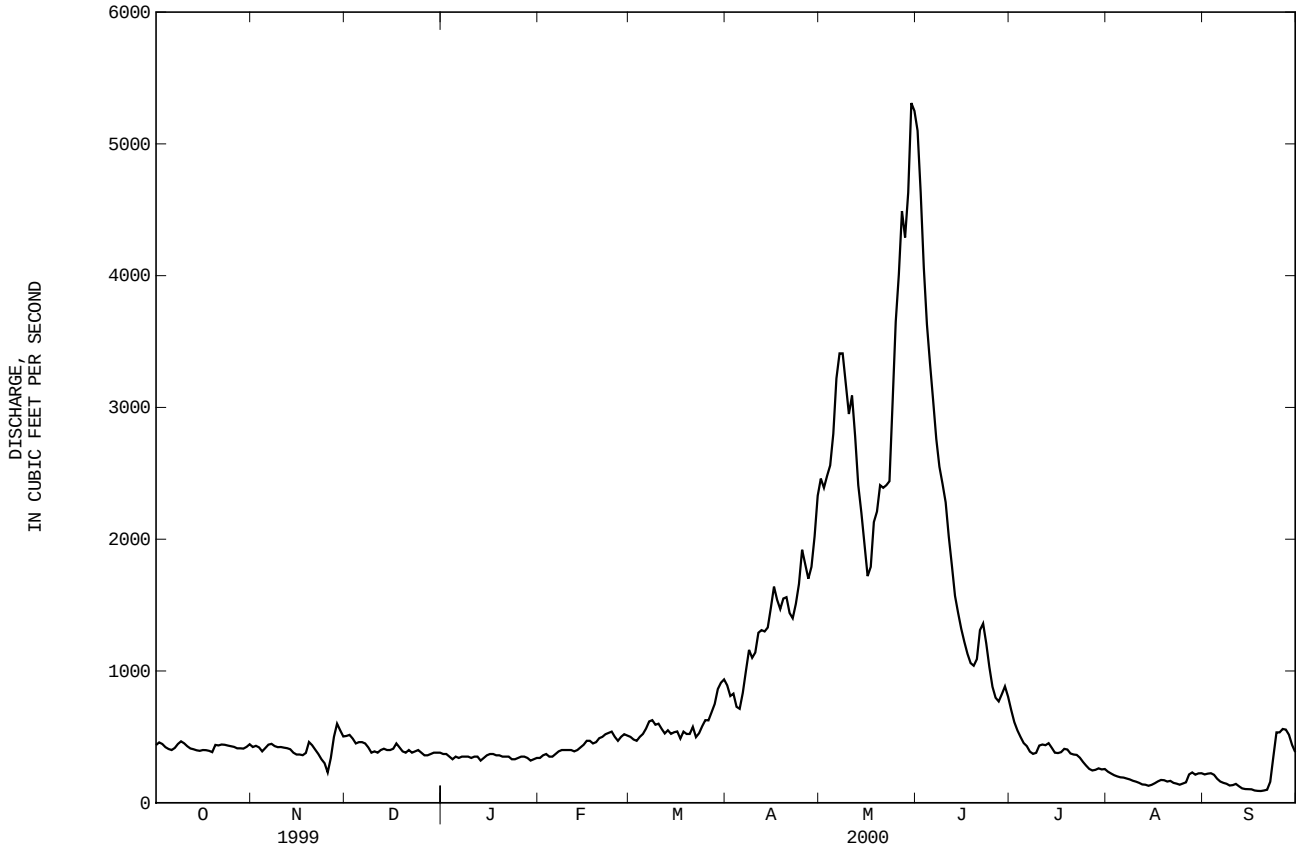
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2000, BY WATER YEAR (WY)

MEAN	417	431	353	319	350	555	1423	3176	4429	1428	506	316
MAX	1036	745	562	515	654	1190	4390	8568	9999	5256	1484	1198
(WY)	1966	1966	1998	1998	1996	1986	1962	1984	1983	1983	1983	1997
MIN	157	240	226	181	193	205	492	1149	830	204	135	93.3
(WY)	1957	1953	1953	1963	1964	1964	1995	1990	1954	1939	1940	1944

06630000 NORTH PLATTE RIVER ABOVE SEMINOE RESERVOIR, NEAR SINCLAIR, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1939 - 2000	
ANNUAL TOTAL	491883		296619		--	
ANNUAL MEAN	1348		810		1145	
HIGHEST ANNUAL MEAN	--		--		2169	1984
LOWEST ANNUAL MEAN	--		--		467	1954
HIGHEST DAILY MEAN	7580	Jun 1	5310	May 30	14800	Jun 11 1986
LOWEST DAILY MEAN	230	Nov 25	89	Sep 19	70	Sep 17 1944
ANNUAL SEVEN-DAY MINIMUM	344	Nov 20	96	Sep 15	77	Sep 12 1944
INSTANTANEOUS PEAK FLOW	--		5830	May 30	16200	Jun 11 1986
INSTANTANEOUS PEAK STAGE	--		6.80	May 30	11.30	Jun 11 1986
INSTANTANEOUS LOW FLOW	--		--		70	Sep 17 1944
ANNUAL RUNOFF (AC-FT)	975600		588300		829300	
10 PERCENT EXCEEDS	4210		2230		3180	
50 PERCENT EXCEEDS	520		430		450	
90 PERCENT EXCEEDS	380		180		230	

e Estimated.



06630000 NORTH PLATTE RIVER ABOVE SEMINOE RESERVOIR, NEAR SINCLAIR, WY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1961 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: March 1978 to October 1978.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)
OCT								
29...	0930	398	610	99	10.4	8.3	467	6.0
NOV								
30...	0840	512	608	99	11.0	8.5	464	10.0
DEC								
20...	1050	388	605	89	10.3	7.9	489	2.0
JAN								
31...	1030	330	606	101	11.7	8.2	506	-1.5
FEB								
23...	0940	534	599	116	13.1	7.6	488	7.0
MAR								
29...	1040	854	605	98	9.7	7.8	357	7.5
APR								
21...	0900	1420	610	97	9.4	8.1	281	9.0
MAY								
23...	1115	2250	607	101	8.5	8.5	277	22.0
JUN								
27...	0955	770	606	108	8.2	8.2	368	17.0
JUL								
19...	0940	409	611	96	7.2	8.0	634	23.0
AUG								
29...	1025	216	612	92	7.1	8.1	473	22.0
SEP								
14...	1045	106	610	100	8.1	8.3	459	19.0

DATE	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L) (00515)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
OCT							
29...	4.0	<.020	<.050	<.010	<.010	316	5
NOV							
30...	1.5	<.020	<.050	<.010	<.010	312	9
DEC							
20...	.0	<.020	<.050	<.010	<.010	336	6
JAN							
31...	.0	<.020	<.050	<.010	<.010	317	3
FEB							
23...	.5	<.020	<.050	<.010	<.010	316	4
MAR							
29...	6.0	<.020	<.050	<.010	<.010	250	35
APR							
21...	7.0	<.020	<.050	<.010	<.010	176	33
MAY							
23...	13.0	<.020	<.050	<.010	.012	206	26
JUN							
27...	17.5	<.020	<.050	<.010	<.010	236	<10
JUL							
19...	18.0	<.020	<.050	<.010	<.010	438	28
AUG							
29...	17.0	<.020	<.050	<.010	<.010	302	128
SEP							
14...	14.5	<.020	<.050	<.010	<.010	280	<10

06632400 ROCK CREEK ABOVE KING CANYON CANAL, NEAR ARLINGTON, WY

LOCATION.--Lat 41°35'07", long 106°13'20", in SE$^1/_4$ SW$^1/_4$ sec. 25, T.19 N., R.79 W., Carbon County, Hydrologic Unit 10180004, on left bank 200 ft upstream from point of diversion to King Canyon Canal, 0.4 mi downstream from Overland Creek, 1.0 mi southwest of Arlington, and 6.9 mi southwest of McFadden.

DRAINAGE AREA.--62.9 mi^2.

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

REVISED RECORDS.--WDR WY-86: 1985(m). WDR WY-87: 1985.

GAGE.--Water-stage recorder. Elevation of gage is 7,790 ft above sea level, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Minor regulation by Sand Lake, capacity, 1,100 acre-ft, on Deep Creek, 12 mi upstream. No diversion upstream from station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 23	1800	*1,120	*4.38
May 29	2000	906	4.03

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	14	13	e11	e9.2	e8.6	e12	58	455	52	13	9.9
2	17	9.7	e13	e11	e9.2	e8.6	e13	83	376	48	13	9.5
3	16	e11	12	e10	e9.4	e8.8	e13	130	355	45	13	9.0
4	15	e12	e12	e10	e9.2	e9.0	13	197	357	41	13	8.6
5	15	e12	e12	e10	e8.8	e9.4	16	262	341	38	12	8.6
6	15	13	e13	e11	e8.8	e9.6	16	293	340	35	12	8.2
7	18	12	e13	e11	e9.0	e9.4	14	280	323	32	12	8.0
8	18	14	13	e11	9.4	e9.6	16	222	306	32	11	8.3
9	16	12	e13	e11	8.8	e9.4	16	173	297	31	11	9.8
10	15	12	12	e11	8.8	e9.0	18	249	238	31	11	8.7
11	15	12	e12	e12	9.0	e8.8	17	262	200	27	11	8.0
12	14	12	e11	e12	9.0	e8.6	19	168	180	26	10	7.9
13	14	11	12	e11	e8.8	e8.6	23	150	213	25	10	7.9
14	13	10	12	e11	e9.0	e8.8	28	146	181	25	10	8.0
15	13	8.9	e12	11	e9.0	e9.0	27	162	154	24	10	8.0
16	13	12	e12	11	e9.2	e8.8	24	220	155	23	13	8.0
17	e12	14	e12	10	9.0	e8.4	24	243	130	49	12	8.1
18	e13	12	13	10	e8.8	e8.4	29	196	105	31	11	8.1
19	15	e12	12	10	e8.8	e8.4	25	202	121	24	11	8.7
20	16	13	12	e11	e9.0	e8.2	27	251	152	21	9.8	14
21	16	e12	e12	10	e9.2	e8.4	29	292	102	20	9.4	12
22	17	13	e12	e10	8.7	e9.2	35	380	90	19	9.4	22
23	16	e12	12	e9.8	e9.0	9.8	34	683	83	18	9.3	18
24	16	e10	12	e9.6	8.7	e10	38	750	75	17	9.7	15
25	15	e10	12	e10	e8.6	e10	32	672	74	17	10	13
26	15	e11	12	10	e8.4	10	34	601	80	17	11	17
27	14	e12	13	10	e8.6	e11	50	517	77	17	11	16
28	14	13	12	10	8.8	12	77	596	70	17	11	16
29	e14	13	12	e10	e8.6	e13	97	715	59	16	10	18
30	13	13	12	e9.6	---	12	71	640	54	15	11	18
31	16	---	e12	e9.4	---	e12	---	553	---	14	10	---
TOTAL	470	357.6	379	324.4	258.8	294.8	887	10346	5743	847	340.6	340.3
MEAN	15.2	11.9	12.2	10.5	8.92	9.51	29.6	334	191	27.3	11.0	11.3
MAX	21	14	13	12	9.4	13	97	750	455	52	13	22
MIN	12	8.9	11	9.4	8.4	8.2	12	58	54	14	9.3	7.9
AC-FT	932	709	752	643	513	585	1760	20520	11390	1680	676	675

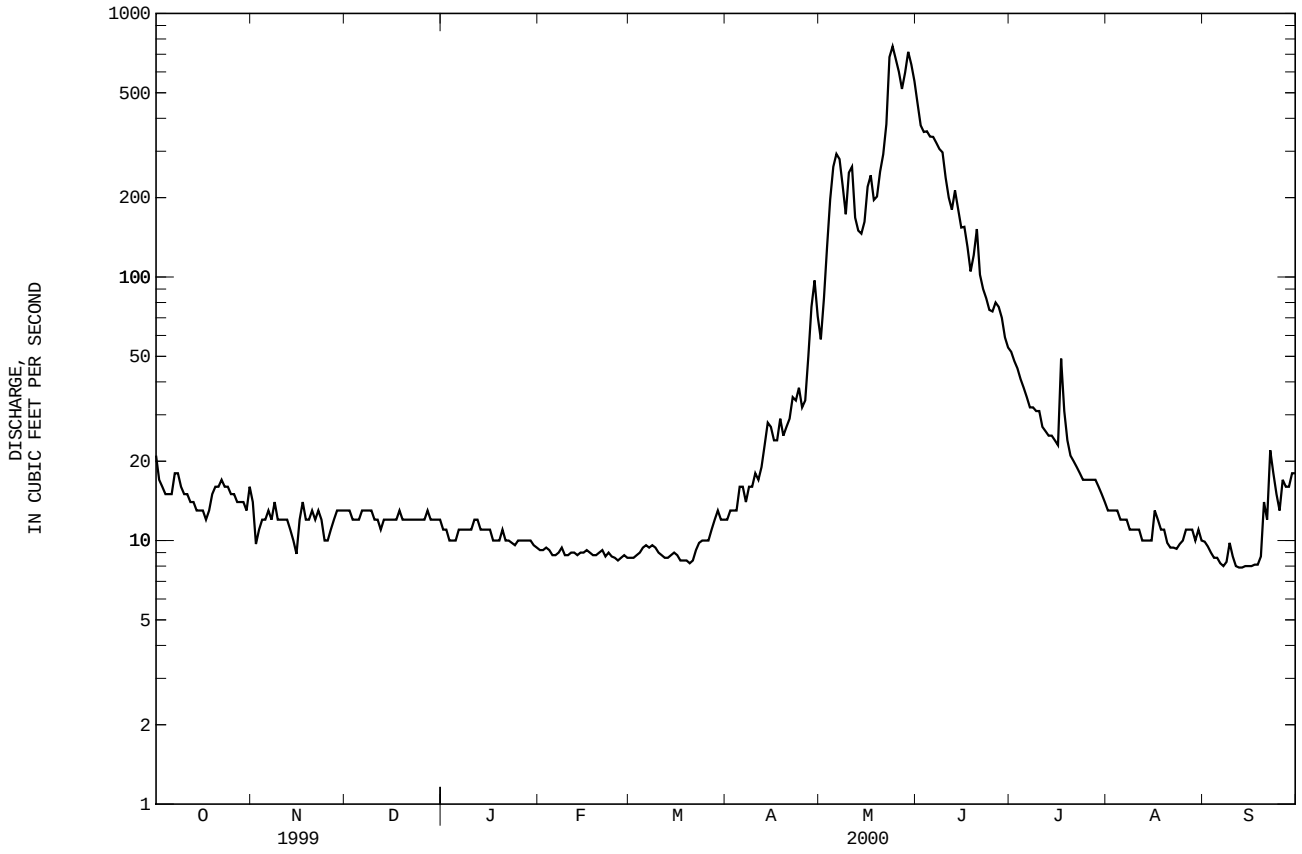
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2000, BY WATER YEAR (WY)

MEAN	17.1	13.9	11.9	10.9	10.5	10.6	23.1	230	507	132	31.5	21.4
MAX	40.0	23.3	18.8	15.3	17.0	15.6	45.8	409	1024	420	66.9	40.1
(WY)	1983	1999	1973	1966	1974	1979	1989	1974	1971	1982	1982	1971
MIN	9.57	8.85	6.81	7.74	7.03	7.08	10.9	59.3	158	27.3	11.0	10.3
(WY)	1990	1977	1968	1969	1969	1969	1995	1968	1987	2000	2000	1994

06632400 ROCK CREEK ABOVE KING CANYON CANAL, NEAR ARLINGTON, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1966 - 2000	
ANNUAL TOTAL	39590.6		20588.5		--	
ANNUAL MEAN	108		56.3		84.9[a]	
HIGHEST ANNUAL MEAN	--		--		142	1971
LOWEST ANNUAL MEAN	--		--		48.9	1977
HIGHEST DAILY MEAN	982	Jun 3	750	May 24	1690	Jun 19 1971
LOWEST DAILY MEAN	8.9	Nov 15	7.9	Sep 12,13	4.8	Nov 2 1991
ANNUAL SEVEN-DAY MINIMUM	11	Feb 28	8.0	Sep 11	6.0	Oct 29 1991
INSTANTANEOUS PEAK FLOW	--		1120	May 23	2590[b]	Jun 19 1971
INSTANTANEOUS PEAK STAGE	--		4.38	May 23	5.92	Jun 24 1983
ANNUAL RUNOFF (AC-FT)	78530		40840		61470	
10 PERCENT EXCEEDS	470		180		278	
50 PERCENT EXCEEDS	17		13		16	
90 PERCENT EXCEEDS	12		8.8		9.0	

a Mean, water year 1955-1999, 81.9 ft^3/s; runoff, water years 1955-1999, 59,400 acre-feet; includes records for station 06632500, Rock Creek at Arlington for waters years 1955-1965, adjusted for diversion by King Canyon Canal.
b Gage height, 5.83 ft.
e Estimated.



06634620 LITTLE MEDICINE BOW RIVER AT BOLES SPRING, NEAR MEDICINE BOW, WY

LOCATION.--Lat 41°57'40", long 106°12'31", in NW¼ SW¼ SW¼ sec.17, T.23 N., R.78 W., Carbon County, Hydrologic Unit 10180005, on right bank 50 ft downstream from Boles Spring, 3.9 mi downstream from State Highway 487, 4.3 mi north of Medicine Bow, and 8.7 mi downstream from Muddy Creek.

DRAINAGE AREA.--969 mi^2.

PERIOD OF RECORD.--October 1973 to current year. Records for October 1973 to September 1984 at site 5.5 mi upstream published as "near Medicine Bow" (station 06634600) do not include flow of Boles Spring. Discharge records considered equivalent except for low flow.

GAGE.--Water-stage recorder. Elevation of gage is 6,570 ft above sea level, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges, which are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 24	1115	*1,540	*7.03

No other peak greater than base discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.2	9.8	18	1.8	4.6	19	55	380	90	11	2.2	2.4
2	8.1	e8.4	e10	1.6	5.0	20	48	321	79	10	2.2	2.7
3	8.6	7.1	6.2	1.5	5.1	19	42	320	68	9.3	2.2	2.5
4	8.9	8.6	6.1	1.5	5.1	21	40	336	59	8.0	2.1	2.2
5	9.3	10	8.1	1.4	5.4	23	35	338	52	7.0	1.9	1.7
6	8.0	11	12	.91	6.3	22	52	339	45	6.2	1.7	1.4
7	7.8	9.8	12	.61	8.0	28	81	326	40	5.7	1.6	1.3
8	8.0	9.7	11	.63	9.8	27	68	292	37	5.5	1.4	1.2
9	7.4	9.8	11	.61	11	38	56	272	31	5.8	1.2	1.2
10	7.1	9.1	8.8	.69	11	30	49	254	28	5.5	1.1	.92
11	6.8	9.1	7.2	.70	11	e28	53	243	24	5.1	1.0	.83
12	7.0	9.3	6.4	.81	10	25	61	209	23	4.8	.93	.79
13	6.8	9.2	6.4	.92	7.4	24	e65	189	22	4.2	.86	.73
14	6.4	9.0	6.0	1.1	10	25	e70	154	e20	3.8	.82	.74
15	6.2	7.1	6.0	1.2	9.8	24	85	134	e18	3.8	.77	.83
16	6.9	8.7	4.3	1.4	e11	e23	99	117	24	3.7	.83	.99
17	7.0	9.5	4.0	2.0	e12	25	96	117	23	4.0	.75	.98
18	8.7	8.3	4.0	2.7	9.9	e24	94	128	21	3.9	.80	.91
19	9.4	e7.6	3.3	3.4	10	e21	113	197	19	3.7	.80	.93
20	9.3	6.9	3.0	3.8	12	e20	131	229	22	3.5	.70	1.3
21	9.2	5.0	2.8	5.3	12	19	132	251	20	3.4	.66	1.9
22	9.4	1.6	2.9	3.6	13	e24	240	279	18	3.4	.69	6.3
23	9.8	2.5	2.8	3.7	13	26	370	246	20	3.2	.72	6.9
24	9.6	3.4	2.5	4.9	14	28	1060	219	17	3.0	.81	9.7
25	9.4	4.9	2.4	5.4	12	25	722	189	14	2.7	.93	8.1
26	9.8	7.6	2.0	5.7	17	28	505	172	13	2.5	1.1	17
27	9.7	11	1.9	4.5	17	34	405	161	13	2.2	1.4	20
28	9.2	11	1.8	5.0	17	37	368	158	16	2.4	1.7	16
29	9.3	12	1.9	5.6	18	57	370	155	13	3.3	2.7	14
30	8.7	15	1.9	5.4	---	72	418	120	11	2.5	2.4	12
31	9.2	---	1.9	5.2	---	66	---	103	---	2.3	2.3	---
TOTAL	258.2	252.0	178.6	83.58	307.4	902	5983	6948	900	145.4	41.27	138.45
MEAN	8.33	8.40	5.76	2.70	10.6	29.1	199	224	30.0	4.69	1.33	4.61
MAX	9.8	15	18	5.7	18	72	1060	380	90	11	2.7	20
MIN	6.2	1.6	1.8	.61	4.6	19	35	103	11	2.2	.66	.73
AC-FT	512	500	354	166	610	1790	11870	13780	1790	288	82	275

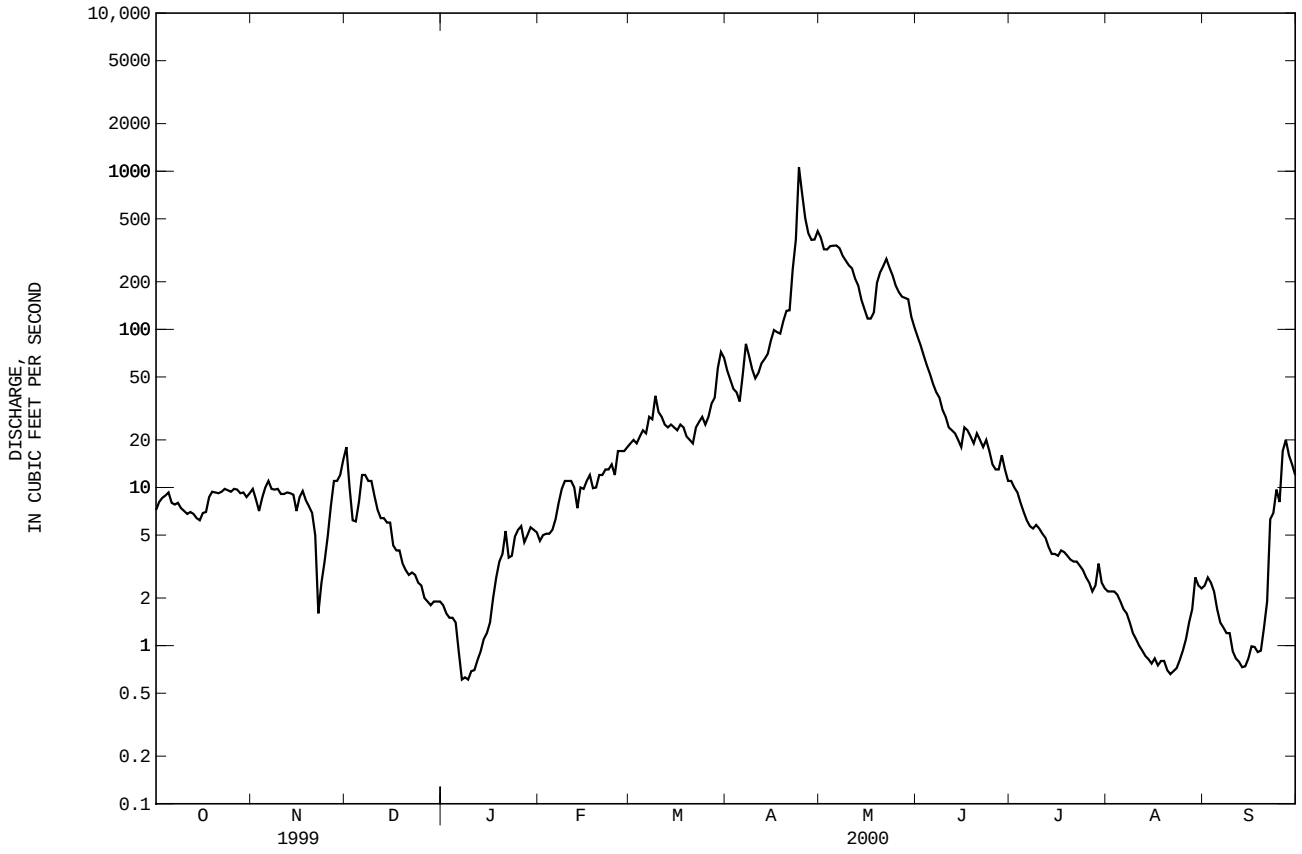
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2000, BY WATER YEAR (WY)

MEAN	9.39	10.9	4.93	2.44	12.9	70.3	122	171	88.2	17.2	7.71	6.87
MAX	18.0	36.0	11.5	7.50	110	286	246	388	419	46.0	22.1	19.5
(WY)	1985	1999	1987	1997	1986	1997	1988	1995	1995	1995	1990	1985
MIN	3.51	4.25	1.41	.68	1.05	15.0	28.5	21.2	5.96	3.76	1.33	.89
(WY)	1997	1995	1995	1998	1990	1993	1992	1992	1994	1996	2000	1994

06634620 LITTLE MEDICINE BOW RIVER AT BOLES SPRING, NEAR MEDICINE BOW, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1985 - 2000	
ANNUAL TOTAL	31740.6		16137.90		--	
ANNUAL MEAN	87.0		44.1		43.8[a]	
HIGHEST ANNUAL MEAN	--		--		90.1	1999
LOWEST ANNUAL MEAN	--		--		12.7	1992
HIGHEST DAILY MEAN	938	Apr 30	1060	Apr 24	1450	Mar 20 1997
LOWEST DAILY MEAN	1.6	Nov 22	.61	Jan 7,9	.12[b]	Jan 24 1998
ANNUAL SEVEN-DAY MINIMUM	2.0	Dec 25	.71	Jan 6	.16	Jan 23 1998
INSTANTANEOUS PEAK FLOW	--		1540	Apr 24	9500[c]	May 17 1978
INSTANTANEOUS PEAK STAGE	--		7.03	Apr 24	14.10[d]	May 17 1978
ANNUAL RUNOFF (AC-FT)	62960		32010		31710	
10 PERCENT EXCEEDS	300		131		132	
50 PERCENT EXCEEDS	9.8		9.2		8.8	
90 PERCENT EXCEEDS	4.0		1.2		1.4	

a Average discharge, water years 1974-2000, 52.5 ft^3/s, unadjusted for flow from Boles Spring.
b No flow at times, water years 1974-84, site and datum then in use.
c From slope-area measurement of peak flow.
d From floodmarks in gage well, site and datum then in use.
e Estimated.



06635000 MEDICINE BOW RIVER ABOVE SEMINOE RESERVOIR, NEAR HANNA, WY

LOCATION.--Lat 42°00'35", long 106°30'45", in SE$^1/_4$ NW$^1/_4$ sec.34, T.24 N., R.81 W., Carbon County, Hydrologic Unit 10180004, on left bank 25 ft upstream from county highway bridge, 2.0 mi upstream from Troublesome Creek, 9.0 mi upstream from high-water line of Seminoe Reservoir at elevation 6,357 ft, and 10 mi north of Hanna.

DRAINAGE AREA.--2,338 mi^2, of which 396 mi^2 probably is non-contributing.

PERIOD OF RECORD.--July 1939 to current year.

REVISED RECORDS.--WSP 956: 1941(M). WSP 1440: 1940(M), 1941. WSP 1710: Drainage area. WDR WY-83-1: 1943.

GAGE.--Water-stage recorder. Concrete control since Nov. 20, 1990. Datum of gage is 6,415.40 ft above sea level.

REMARKS.--Records good except those for November to April, which are fair and those for estimated daily discharges, which are poor. Many small reservoirs upstream from station, total capacity, about 6,000 acre-ft, for irrigation. Diversions for irrigation of about 43,000 acres upstream from station. State of Wyoming data collection platform with satellite telemetry at station.

COOPERATION.--Six discharge measurements provided by the Wyoming State Engineer's Office.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	48	e60	45	e40	102	147	541	794	77	2.3	5.0
2	35	36	e50	e41	e50	97	132	507	713	74	2.1	5.5
3	38	45	40	e30	e42	97	123	423	605	66	2.0	5.2
4	41	52	32	e24	e35	108	113	440	454	57	1.8	4.9
5	e40	50	27	e28	e45	136	109	452	355	51	2.1	5.1
6	e40	49	46	e30	e60	116	98	470	301	45	1.6	4.8
7	39	49	47	e28	e70	111	124	506	260	40	1.6	4.6
8	41	48	46	e25	87	111	158	521	229	38	1.6	4.5
9	42	48	e44	e27	87	126	142	492	197	37	2.0	4.1
10	40	47	e40	e30	78	120	123	467	139	34	1.7	3.7
11	39	46	e30	e35	73	107	117	426	119	30	2.1	3.5
12	39	46	e40	e33	69	98	127	417	114	23	1.6	3.6
13	38	46	e30	e30	65	89	133	448	96	19	1.2	3.5
14	38	46	e23	e36	61	94	137	367	79	17	1.1	3.7
15	37	45	28	e40	65	94	156	292	71	16	.89	5.2
16	39	45	36	47	70	82	183	249	83	19	.60	6.4
17	36	e45	34	48	63	89	199	276	101	20	.72	7.6
18	43	e45	31	56	58	78	189	345	135	19	.46	8.1
19	47	e38	e30	62	57	e76	199	329	112	17	.43	8.6
20	47	e44	e31	63	78	e72	215	407	102	15	.40	10
21	49	e40	e30	e62	73	e78	227	571	90	13	.39	12
22	52	e27	e27	e50	74	95	210	634	83	13	.35	23
23	53	e17	e34	e40	84	92	331	644	87	11	.37	19
24	54	30	e40	e50	86	89	731	513	78	10	.19	27
25	54	49	44	54	80	97	1120	506	65	9.5	.18	43
26	52	50	44	60	79	103	726	627	57	9.3	1.2	43
27	51	59	44	64	77	109	537	784	52	8.9	4.5	40
28	50	58	44	57	80	116	438	871	51	8.3	2.1	41
29	50	58	44	e50	91	122	421	825	51	7.9	1.7	34
30	49	76	42	e40	---	146	453	722	62	4.3	3.6	38
31	50	---	45	e32	---	160	---	741	---	2.6	4.4	---
TOTAL	1356	1382	1183	1317	1977	3210	8118	15813	5735	811.8	47.28	427.6
MEAN	43.7	46.1	38.2	42.5	68.2	104	271	510	191	26.2	1.53	14.3
MAX	54	76	60	64	91	160	1120	871	794	77	4.5	43
MIN	33	17	23	24	35	72	98	249	51	2.6	.18	3.5
AC-FT	2690	2740	2350	2610	3920	6370	16100	31370	11380	1610	94	848

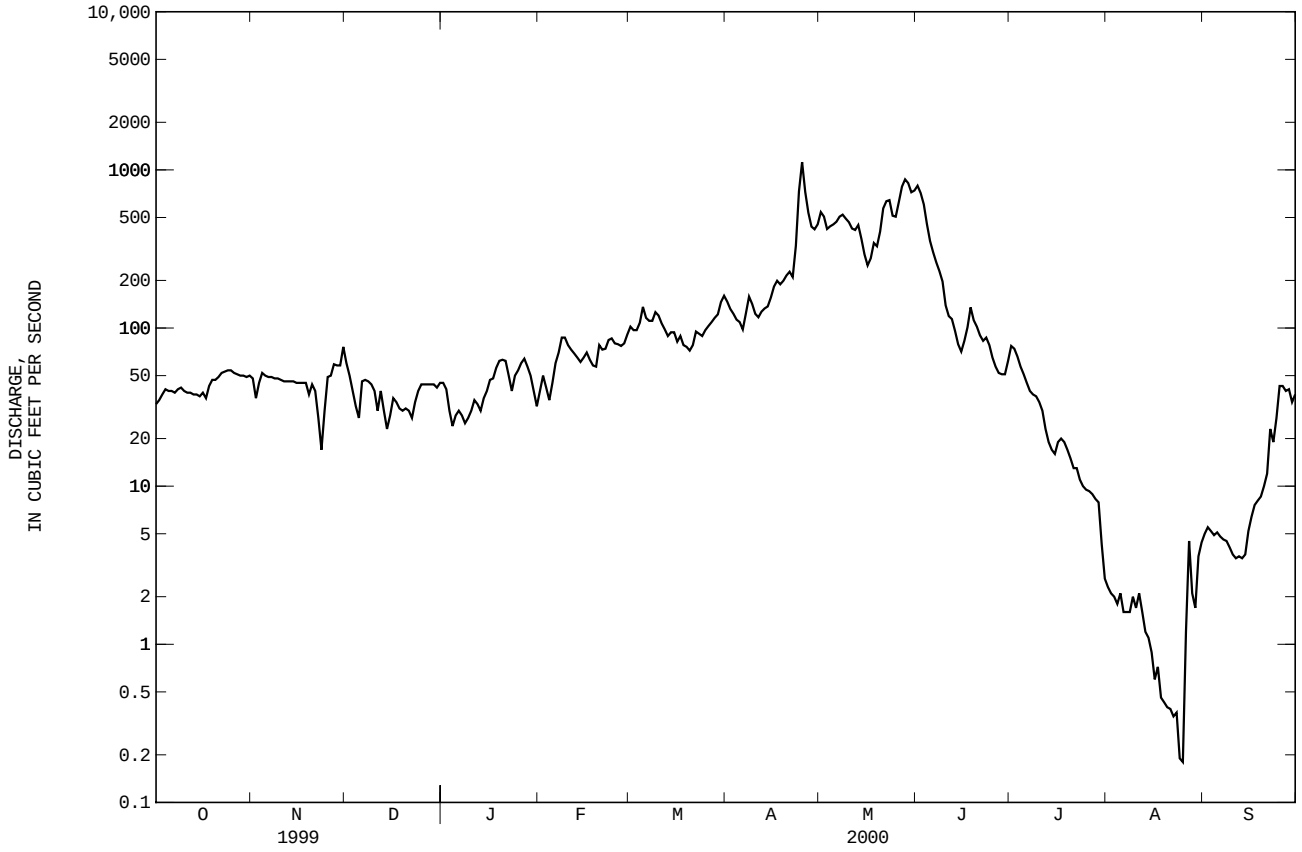
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2000, BY WATER YEAR (WY)

MEAN	43.6	51.8	39.0	32.7	49.8	143	328	571	678	182	54.9	29.5
MAX	132	121	72.9	69.0	397	516	950	3059	2076	1030	246	236
(WY)	1963	1999	1974	1997	1962	1943	1983	1973	1983	1983	1983	1973
MIN	9.65	16.3	8.70	7.76	10.0	20.4	66.4	81.5	58.6	5.71	1.53	3.78
(WY)	1957	1940	1979	1979	1949	1944	1995	1954	1954	1939	2000	1956

06635000 MEDICINE BOW RIVER ABOVE SEMINOE RESERVOIR, NEAR HANNA, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1939 - 2000	
ANNUAL TOTAL	99198		41377.68		--	
ANNUAL MEAN	272		113		184	
HIGHEST ANNUAL MEAN	--		--		531	1973
LOWEST ANNUAL MEAN	--		--		43.7	1954
HIGHEST DAILY MEAN	1880	Jun 8	1120	Apr 25	5330	May 11 1973
LOWEST DAILY MEAN	17	Nov 23	.18	Aug 25	.18	Aug 25 2000
ANNUAL SEVEN-DAY MINIMUM	22	Aug 15	.33	Aug 19	.33[a]	Aug 19 2000
INSTANTANEOUS PEAK FLOW	--		1570	Apr 24	6010[b]	May 12 1973
INSTANTANEOUS PEAK STAGE	--		4.46	Apr 24	8.20[b]	Feb 26 1986
ANNUAL RUNOFF (AC-FT)	196800		82070		133300	
10 PERCENT EXCEEDS	994		379		540	
50 PERCENT EXCEEDS	58		49		54	
90 PERCENT EXCEEDS	29		4.2		15	

a Gage height, 6.74 ft.
b From floodmarks, backwater form ice.
e Estimated.



06635500 SEMINOE RESERVOIR NEAR LEO, WY

LOCATION.--Lat 42°09'21", long 106°54'29", in NW$^1/_4$ NE$^1/_4$ sec.8, T.25 N., R.84 W., Carbon County, Hydrologic Unit 10180003, on upstream side near center of dam on North Platte River, 6.0 mi upstream from high-water line of Pathfinder Reservoir at elevation 5,850.1 ft, and 9.0 mi southwest of Leo.

DRAINAGE AREA.--7,230 mi^2, of which 589 mi^2 is probably noncontributing.

PERIOD OF RECORD.--February 1939 to current year. Monthend figures only for February, March 1939, October 1940 to September 1950, published in WSP 1310.

REVISED RECORDS.--WDR WY-76-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,190.00 ft above sea level (levels by Bureau of Reclamation). Prior to Apr. 20, 1939, nonrecording gage at same site and datum.

REMARKS.--Reservoir is formed by concrete-arch dam. Storage began Apr. 1, 1939, but some regulation for power development during period Jan. 1 to Mar. 31, 1939. Capacity, 1,017,000 acre-ft below elevation 6,357 ft, top of spillway gates. Figures given herein represent total contents, of which 31,700 acre-ft, capacity below elevation 6,239 ft, minimum operating level for power development, are not available for power development and 533 acre-ft, below elevation 6,185.09 ft, penstock invert, is dead storage. Water is used for irrigation and power development.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily contents, 1,073,000 acre-ft, June 20, 1949, elevation, 6,359.29 ft; minimum daily contents (since appreciable storage was attained), 19,040 acre-ft, Sept. 1, 1939, elevation, 6,228.00 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily contents, 980,000 acre-ft, June 23-25, June 27 to July 1, July 3, maximum elevation, 6,355.16 ft, June 28; minimum daily contents, 730,000 acre-ft, Apr. 14, minimum daily elevation, 6,340.92 ft, Apr. 14.

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

6,330	575,000	6,350	883,000
6,340	716,000	6,360	1,080,000

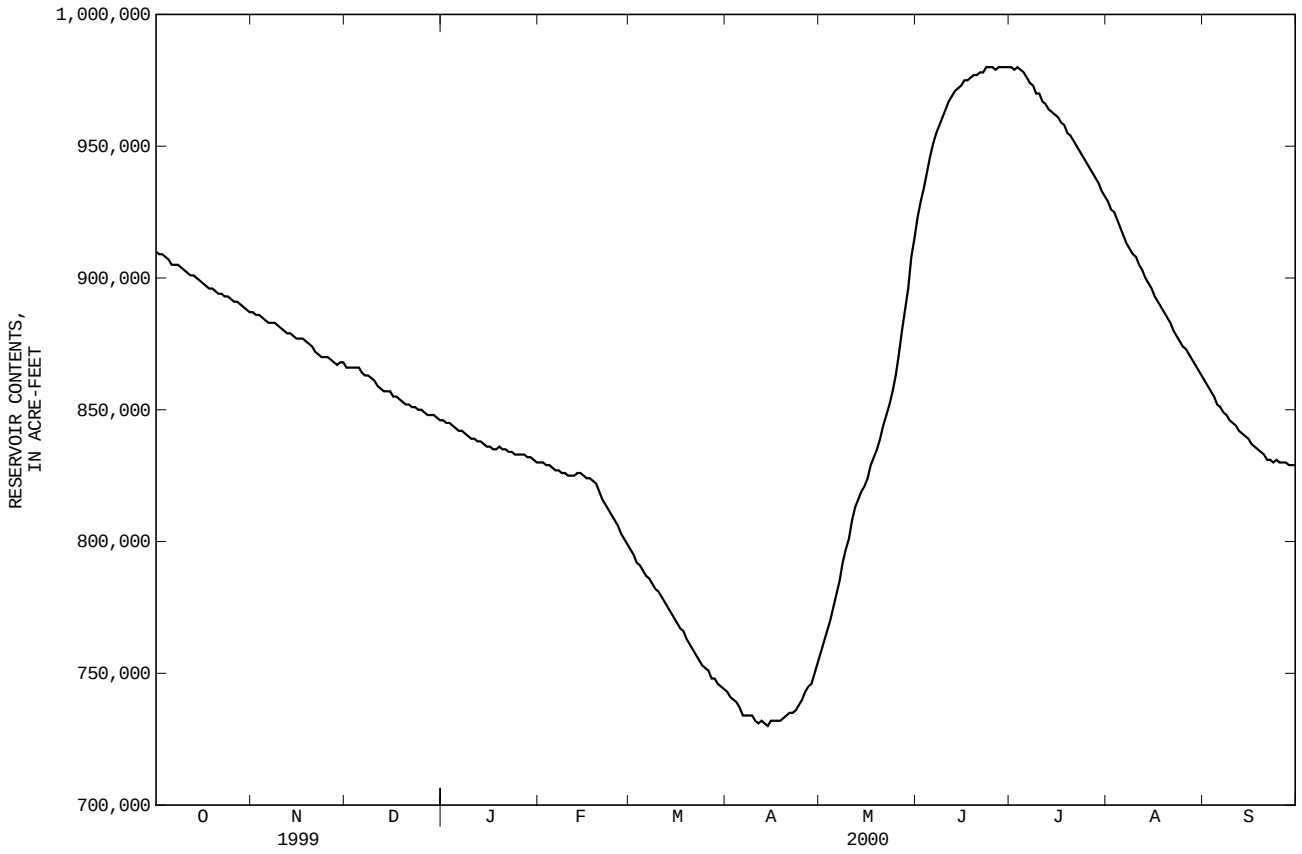
RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	910000	887000	866000	846000	830000	797000	743000	758000	923000	980000	929000	861000
2	909000	886000	866000	845000	830000	795000	741000	762000	929000	979000	926000	859000
3	909000	886000	866000	845000	829000	792000	740000	766000	934000	980000	925000	857000
4	908000	885000	866000	844000	829000	791000	739000	770000	940000	979000	922000	855000
5	907000	884000	866000	843000	828000	789000	737000	775000	946000	978000	919000	852000
6	905000	883000	864000	842000	827000	787000	734000	780000	951000	976000	916000	851000
7	905000	883000	863000	842000	827000	786000	734000	785000	955000	974000	913000	849000
8	905000	883000	863000	841000	826000	784000	734000	792000	958000	973000	911000	848000
9	904000	882000	862000	840000	826000	782000	734000	797000	961000	970000	909000	846000
10	903000	881000	861000	839000	825000	781000	732000	801000	964000	970000	908000	845000
11	902000	880000	859000	839000	825000	779000	731000	808000	967000	967000	905000	844000
12	901000	879000	858000	838000	825000	777000	732000	813000	969000	966000	903000	842000
13	901000	879000	857000	838000	826000	775000	731000	816000	971000	964000	900000	841000
14	900000	878000	857000	837000	826000	773000	730000	819000	972000	963000	898000	840000
15	899000	877000	857000	836000	825000	771000	732000	821000	973000	962000	896000	839000
16	898000	877000	855000	836000	824000	769000	732000	824000	975000	961000	893000	837000
17	897000	877000	855000	835000	824000	767000	732000	829000	975000	959000	891000	836000
18	896000	876000	854000	835000	823000	766000	732000	832000	976000	958000	889000	835000
19	896000	875000	853000	836000	822000	763000	733000	835000	977000	955000	887000	834000
20	895000	874000	852000	835000	819000	761000	734000	839000	977000	954000	885000	833000
21	894000	872000	852000	835000	816000	759000	735000	844000	978000	952000	883000	831000
22	894000	871000	851000	834000	814000	757000	735000	848000	978000	950000	880000	831000
23	893000	870000	851000	834000	812000	755000	736000	852000	980000	948000	878000	830000
24	893000	870000	850000	833000	810000	753000	738000	857000	980000	946000	876000	831000
25	892000	870000	850000	833000	808000	752000	740000	863000	980000	944000	874000	830000
26	891000	869000	849000	833000	806000	751000	743000	871000	979000	942000	873000	830000
27	891000	868000	848000	833000	803000	748000	745000	880000	980000	940000	871000	830000
28	890000	867000	848000	832000	801000	748000	746000	888000	980000	938000	869000	829000
29	889000	868000	848000	832000	799000	746000	750000	896000	980000	936000	867000	829000
30	888000	868000	847000	831000	---	745000	754000	908000	980000	933000	865000	829000
31	887000	---	846000	830000	---	744000	---	915000	---	931000	863000	---
MAX	910000	887000	866000	846000	830000	797000	754000	915000	980000	980000	929000	861000
MIN	887000	867000	846000	830000	799000	744000	730000	758000	923000	931000	863000	829000
(#)	6,350.25	6,349.16	6,347.95	6,347.06	6,345.19	6,341.80	6,342.43	6,351.74	6,355.16	6,352.62	6,348.90	6,346.97
(*)	-24,000	-19,000	-22,000	-16,000	-31,000	-55,000	+10,000	+161,000	+65,000	-49,000	-68,000	-34,000

WAT YR 2000 MAX 980,000 MIN 730,000 (*) -82,000

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

06635500 SEMINOE RESERVOIR NEAR LEO, WY--Continued



06639000 SWEETWATER RIVER NEAR ALCOVA, WY

LOCATION.--Lat 42°29'24", long 107°08'00", in $SE^1/_4$ $NE^1/_4$ $NE^1/_4$ sec.16, T.29 N., R.86 W., Natrona County, Hydrologic Unit 10180006, on left bank 270 ft upstream from State Highway 220, 0.2 mi southwest of Independence Rock, 7 mi upstream from high-water line of Pathfinder Reservoir at elevation 5,850 ft, and 22 mi southwest of Alcova.

DRAINAGE AREA.--2,338 mi^2. Area at site prior to Apr. 1, 1992, 2,327 mi^2.

PERIOD OF RECORD.--August 1913 to September 1924, October 1938 to current year (no winter records during 1974, 1975, 1977-81, and since 1983). Monthly discharge only for some periods, published in WSP 1310.

REVISED RECORDS.--WSP 1310: 1921, 1923-24. WSP 1710: Drainage area.

GAGE.--Water-stage recorder and sharp-crested weir. Elevation of gage is 5,890 ft above sea level, from topographic map. Aug. 28, 1913, to Sept. 30, 1924, nonrecording gages at site 7.0 mi upstream at different datums. Oct. 1, 1938, to Mar. 31, 1992, at site 6.6 mi upstream at different datum.

REMARKS.--Records good. Several small reservoirs upstream from station, combined capacity, about 5,000 acre-ft, for irrigation. Diversions for irrigation of about 24,000 acres upstream from station. Bureau of Reclamation data collection platform with satellite telemetry at station.

COOPERATION.--Station operated and record provided by the Wyoming State Engineer's Office; record reviewed by U.S. Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	106	196	247	67	31	18
2	---	---	---	---	---	---	109	219	249	58	30	20
3	---	---	---	---	---	---	104	233	249	56	28	20
4	---	---	---	---	---	---	100	225	241	54	27	20
5	---	---	---	---	---	---	94	213	233	53	25	19
6	---	---	---	---	---	---	91	221	219	53	25	17
7	---	---	---	---	---	---	88	228	201	49	25	16
8	---	---	---	---	---	---	88	233	191	46	24	16
9	---	---	---	---	---	---	101	250	179	43	23	16
10	---	---	---	---	---	---	109	258	169	49	23	16
11	---	---	---	---	---	---	112	262	155	57	23	15
12	---	---	---	---	---	---	113	251	146	56	22	16
13	---	---	---	---	---	---	118	240	141	56	22	15
14	---	---	---	---	---	---	122	235	136	54	21	16
15	---	---	---	---	---	---	129	230	122	52	21	17
16	---	---	---	---	---	---	140	205	121	51	23	17
17	---	---	---	---	---	---	152	219	112	51	23	16
18	---	---	---	---	---	---	172	275	109	52	24	16
19	---	---	---	---	---	---	174	267	110	51	22	16
20	---	---	---	---	---	---	170	234	113	48	20	18
21	---	---	---	---	---	---	178	239	107	47	20	16
22	---	---	---	---	---	---	188	253	104	45	19	19
23	---	---	---	---	---	---	185	250	101	43	19	8.0
24	---	---	---	---	---	---	192	219	94	41	19	27
25	---	---	---	---	---	---	211	198	87	40	18	63
26	---	---	---	---	---	---	219	200	78	38	18	27
27	---	---	---	---	---	---	216	207	75	38	18	26
28	---	---	---	---	---	---	216	237	73	37	17	26
29	---	---	---	---	---	---	199	269	71	36	16	27
30	---	---	---	---	---	---	191	280	69	34	16	27
31	---	---	---	---	---	---	---	267	---	32	19	---
TOTAL	---	---	---	---	---	---	4387	7313	4302	1487	681	606.0
MEAN	---	---	---	---	---	---	146	236	143	48.0	22.0	20.2
MAX	---	---	---	---	---	---	219	280	249	67	31	63
MIN	---	---	---	---	---	---	88	196	69	32	16	8.0
AC-FT	---	---	---	---	---	---	8700	14510	8530	2950	1350	1200

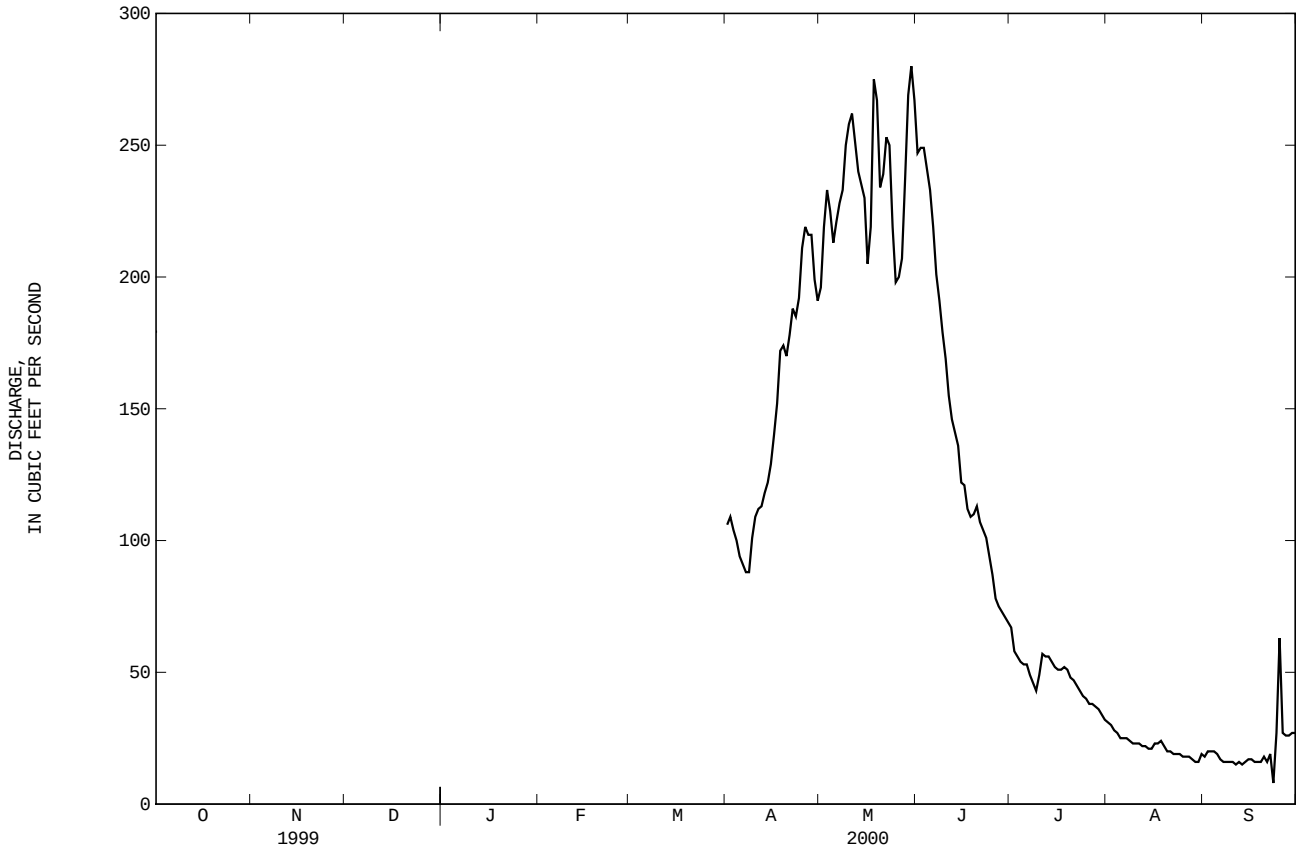
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2000, BY WATER YEAR (WY)*

MEAN	45.8	50.2	38.7	31.6	36.9	80.0	249	417	396	111	42.7	30.1
MAX	86.6	83.3	59.4	54.5	69.1	210	1869	1296	1130	436	104	114
(WY)	1916	1972	1972	1953	1968	1916	1924	1980	1983	1995	1998	1973
MIN	16.0	20.0	20.0	10.8	12.3	33.0	74.4	20.7	12.6	5.01	.92	1.90
(WY)	1941	1961	1941	1962	1949	1924	1963	1940	1977	1940	1940	1940

06639000 SWEETWATER RIVER NEAR ALCOVA, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1914 - 2000*	
HIGHEST DAILY MEAN	280	May 30	4290	Apr 13 1924
LOWEST DAILY MEAN	8.0	Sep 23	.50	Jul 30 to Aug 12 1940
INSTANTANEOUS PEAK FLOW	305	May 18	4290	Apr 13 1924
INSTANTANEOUS PEAK STAGE	2.92	May 18	9.90	Apr 27 1983

* During period of operation.



06640500 PATHFINDER RESERVOIR NEAR ALCOVA, WY

LOCATION.--Lat 42°28'06", long 106°51'12", in NW¼ SW¼ sec.24, T.29 N., R.84 W., Natrona County, Hydrologic Unit 10180003, in gatehouse near left end of dam on North Platte River and 9.0 mi southwest of Alcova.

DRAINAGE AREA.--10,711 mi², of which 700 mi² probably is non-contributing.

PERIOD OF RECORD.--January 1909 to current year. Month end figures only for some periods, published in WSP 1310.

REVISED RECORDS.--WDR WY-76-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,678.1 ft above sea level. Prior to Apr. 12, 1950, nonrecording gages near present site, and Apr. 12 to Sept. 30, 1950, water-stage recorder at present site, all at Bureau of Reclamation datum which was 1.9 ft lower.

REMARKS.--Reservoir is formed by masonry dam. Storage began in April 1909. Capacity, 1,016,000 acre-ft between elevations 5,668.1 ft, north outlet trashrack sill, and 5,850.1 ft, crest of spillway. No dead storage. Figures given herein represent total contents. Water is used to irrigate lands in Wyoming and Nebraska under the North Platte project. Since December 1960, water has been diverted directly through a tunnel to Fremont Canyon Powerplant, bypassing a section of river channel immediately below Pathfinder Dam.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily contents, 1,182,000 acre-ft, June 25-27, 1917, elevation, 5,858.86 ft, present datum; no storage at times during 1909-12, 1931, 1958-59.

EXTREMES FOR CURRENT YEAR.--Maximum daily contents, 997,000 acre-ft, June 3, maximum daily elevation, 5,849.22 ft, June 3; minimum daily contents, 610,000 acre-ft, Sept. 26-30, minimum daily elevation, 5,828.15 ft., Sept. 27, 28.

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

5,825	565,000	5,840	810,000
5,830	638,000	5,845	908,000
5,835	720,000	5,850	1,010,000

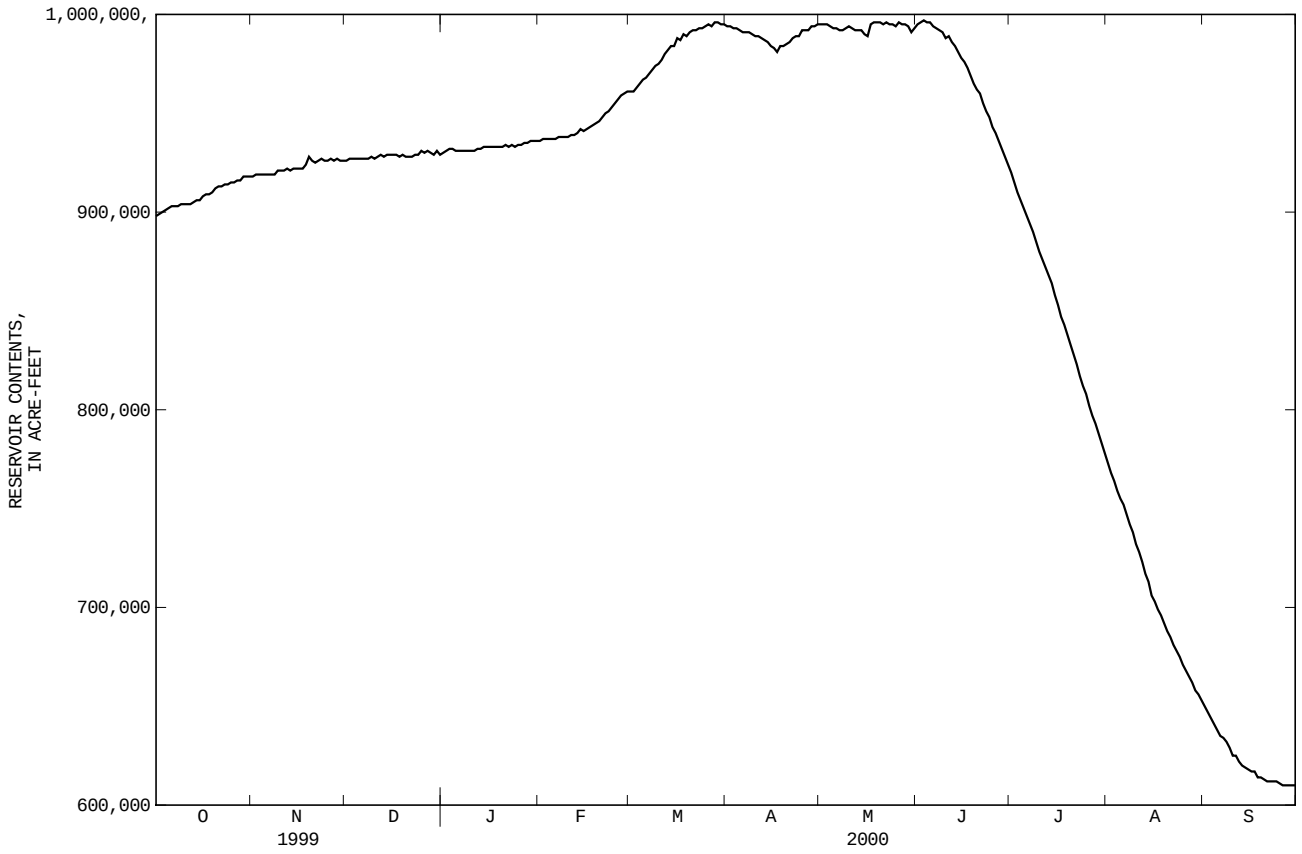
RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	898000	918000	926000	930000	936000	961000	994000	995000	995000	920000	773000	650000
2	899000	919000	927000	931000	937000	961000	994000	995000	996000	915000	768000	647000
3	900000	919000	927000	932000	937000	963000	993000	995000	997000	910000	764000	644000
4	901000	919000	927000	932000	937000	965000	993000	994000	996000	906000	759000	641000
5	902000	919000	927000	931000	937000	967000	992000	993000	996000	902000	755000	638000
6	903000	919000	927000	931000	937000	968000	991000	993000	994000	898000	752000	635000
7	903000	919000	927000	931000	938000	970000	991000	992000	993000	894000	747000	634000
8	903000	919000	927000	931000	938000	972000	991000	992000	992000	890000	742000	632000
9	904000	921000	928000	931000	938000	974000	990000	993000	991000	885000	738000	629000
10	904000	921000	927000	931000	938000	975000	989000	994000	988000	880000	732000	625000
11	904000	921000	928000	931000	939000	977000	989000	993000	989000	876000	728000	625000
12	904000	922000	929000	932000	939000	980000	988000	992000	986000	872000	723000	622000
13	905000	921000	928000	932000	940000	982000	987000	992000	984000	868000	717000	620000
14	906000	922000	929000	933000	942000	984000	986000	992000	981000	864000	713000	619000
15	906000	922000	929000	933000	941000	984000	984000	990000	978000	858000	706000	618000
16	908000	922000	929000	933000	942000	988000	983000	989000	976000	853000	703000	617000
17	909000	922000	929000	933000	943000	987000	981000	995000	973000	847000	699000	617000
18	909000	924000	928000	933000	944000	990000	984000	996000	969000	843000	696000	614000
19	910000	928000	929000	933000	945000	989000	984000	996000	965000	838000	692000	614000
20	912000	926000	928000	933000	946000	991000	985000	996000	962000	833000	688000	613000
21	913000	925000	928000	934000	948000	992000	986000	995000	960000	828000	685000	612000
22	913000	926000	928000	933000	950000	992000	988000	996000	955000	823000	681000	612000
23	914000	927000	929000	934000	951000	993000	989000	995000	951000	817000	678000	612000
24	914000	926000	929000	933000	953000	993000	989000	995000	948000	812000	675000	612000
25	915000	926000	931000	934000	955000	994000	992000	994000	943000	808000	671000	611000
26	915000	927000	930000	934000	957000	995000	992000	996000	940000	802000	668000	610000
27	916000	926000	931000	935000	959000	994000	992000	995000	936000	797000	665000	610000
28	916000	927000	930000	935000	960000	996000	994000	995000	932000	793000	662000	610000
29	918000	926000	929000	936000	961000	996000	994000	994000	928000	788000	658000	610000
30	918000	926000	931000	936000	---	995000	995000	991000	924000	783000	656000	610000
31	918000	---	929000	936000	---	995000	---	993000	---	778000	653000	---
MAX	918000	928000	931000	936000	961000	996000	995000	996000	997000	920000	773000	650000
MIN	898000	918000	926000	930000	936000	961000	981000	989000	924000	778000	653000	610000
(#)	5,845.48	5,845.88	5,846.00	5,846.34	5,847.51	5,849.11	5,849.10	5,849.03	5,845.76	5,838.25	5,830.91	5,828.16
(*)	+21,000	+8,000	+3,000	+7,000	+25,000	+34,000	0	-2,000	-69,000	-146,000	-125,000	-43,000

WTR YR 2000 MAX 997,000 MIN 610,000 (*) -287,000

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

06640500 PATHFINDER RESERVOIR NEAR ALCOVA, WY--Continued



06641500 ALCOVA RESERVOIR AT ALCOVA, WY

LOCATION.--Lat 42°32'52", long 106°43'08", in $SE^1/_4$ $SE^1/_4$ sec.24, T.30 N., R.83 W., Natrona County, Hydrologic Unit 10180007, in elevator shaft at right end of dam on North Platte River and 0.2 mi southwest of Alcova.

DRAINAGE AREA.--10,766 mi^2, of which 700 mi^2 probably is non-contributing.

PERIOD OF RECORD.--February 1938 to current year. Prior to October 1950 monthend figures only, published in WSP 1310.

REVISED RECORDS.--WDR WY-76-1: Drainage area.

GAGE.--Water-stage recorder for elevations above 5,447.00 ft. Datum of gage is 5,320 ft above sea level (levels by Bureau of Reclamation). Prior to June 27, 1955, nonrecording gages near present site at same datum.

REMARKS.--Reservoir is formed by rock-fill dam completed in January 1938; storage began Feb. 8, 1938. Capacity, 184,300 acre-ft at elevation 5,500.00 ft, top of spillway gates. Dead storage, 100 acre-ft. Figures given herein represent total contents. Usable contents published prior to October 1956. Water is used for irrigation in North Platte River basin.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily contents, 190,000 acre-ft, Aug. 14, 15, 1952, elevation, 5,499.92 ft; minimum daily contents (since appreciable storage was attained), 2,000 acre-ft, Sept. 30, 1940, elevation, 5,353.56 ft. No usable storage prior to February 1938.

EXTREMES FOR CURRENT YEAR.--Maximum daily contents, 182,000 acre-ft, Sept. 18, maximum daily elevation, 5,498.91 ft, Sept. 18; minimum daily contents, 154,000 acre-ft, Nov. 19; minimum daily elevation, 5,487.15 ft, Nov. 19.

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

5,485	149,000	5,495	172,000
5,490	160,000	5,500	184,000

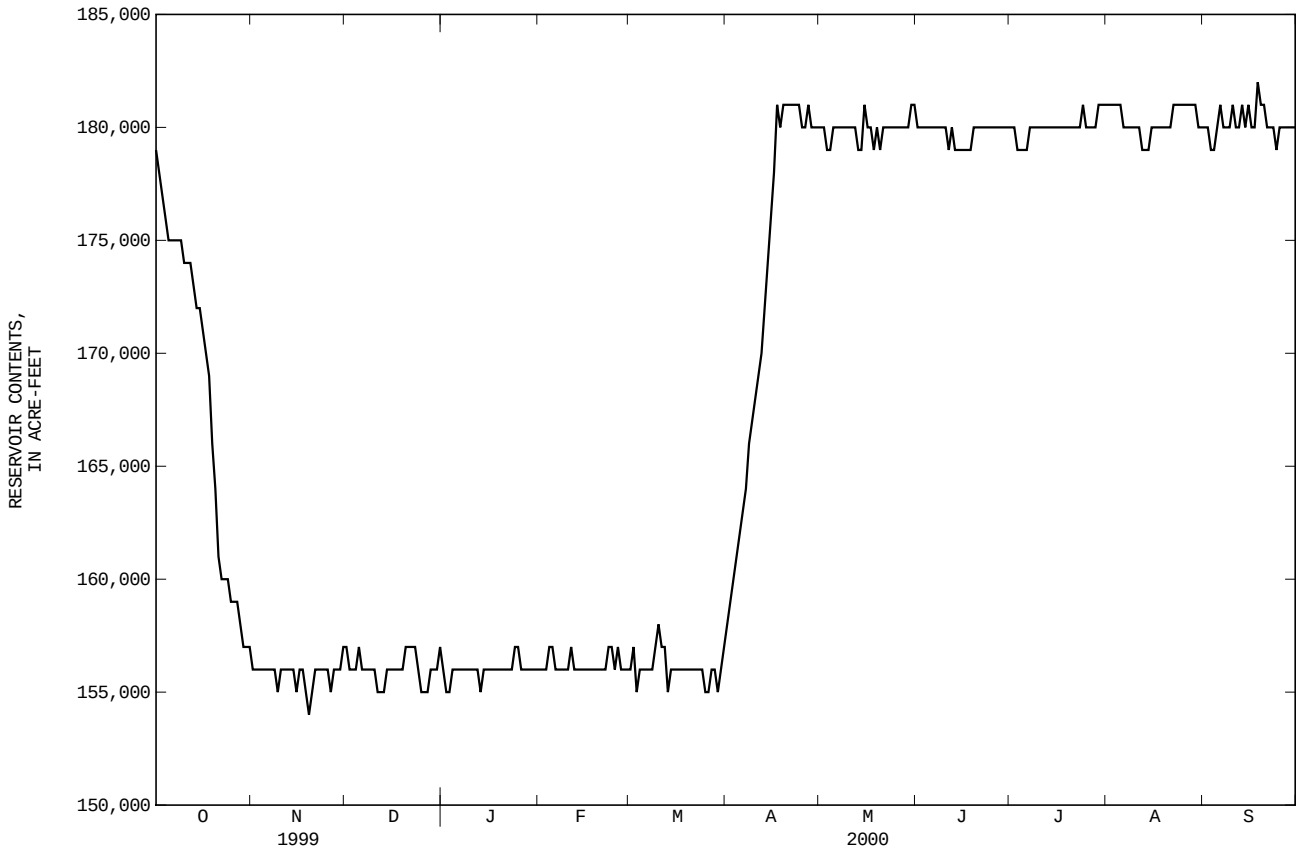
RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	179000	156000	157000	156000	156000	156000	158000	180000	180000	180000	181000	180000
2	178000	156000	156000	155000	156000	157000	159000	180000	180000	180000	181000	180000
3	177000	156000	156000	155000	156000	155000	160000	179000	180000	179000	181000	179000
4	176000	156000	156000	156000	157000	156000	161000	179000	180000	179000	181000	179000
5	175000	156000	157000	156000	157000	156000	162000	180000	180000	179000	181000	180000
6	175000	156000	156000	156000	156000	156000	163000	180000	180000	179000	180000	181000
7	175000	156000	156000	156000	156000	156000	164000	180000	180000	180000	180000	180000
8	175000	156000	156000	156000	156000	156000	166000	180000	180000	180000	180000	180000
9	175000	155000	156000	156000	156000	157000	167000	180000	180000	180000	180000	180000
10	174000	156000	156000	156000	156000	158000	168000	180000	180000	180000	180000	181000
11	174000	156000	155000	156000	157000	157000	169000	180000	179000	180000	180000	180000
12	174000	156000	155000	156000	156000	157000	170000	180000	180000	180000	179000	180000
13	173000	156000	155000	155000	156000	155000	172000	179000	179000	180000	179000	181000
14	172000	156000	156000	156000	156000	156000	174000	179000	179000	180000	179000	180000
15	172000	155000	156000	156000	156000	156000	176000	181000	179000	180000	180000	181000
16	171000	156000	156000	156000	156000	156000	178000	180000	179000	180000	180000	180000
17	170000	156000	156000	156000	156000	156000	181000	180000	179000	180000	180000	180000
18	169000	155000	156000	156000	156000	156000	180000	179000	179000	180000	180000	182000
19	166000	154000	156000	156000	156000	156000	181000	180000	180000	180000	180000	181000
20	164000	155000	157000	156000	156000	156000	181000	179000	180000	180000	180000	181000
21	161000	156000	157000	156000	156000	156000	181000	180000	180000	180000	180000	180000
22	160000	156000	157000	156000	156000	156000	181000	180000	180000	180000	181000	180000
23	160000	156000	157000	156000	157000	156000	181000	180000	180000	180000	181000	180000
24	160000	156000	156000	157000	157000	156000	181000	180000	180000	181000	181000	179000
25	159000	156000	155000	157000	156000	155000	180000	180000	180000	180000	181000	180000
26	159000	155000	155000	156000	157000	155000	180000	180000	180000	180000	181000	180000
27	159000	156000	155000	156000	156000	156000	181000	180000	180000	180000	181000	180000
28	158000	156000	156000	156000	156000	156000	180000	180000	180000	180000	181000	180000
29	157000	156000	156000	156000	156000	155000	180000	180000	180000	181000	181000	180000
30	157000	157000	156000	156000	---	156000	180000	181000	180000	181000	180000	180000
31	157000	---	157000	156000	---	157000	---	181000	---	181000	180000	---
MAX	179000	157000	157000	157000	157000	158000	181000	181000	180000	181000	181000	182000
MIN	157000	154000	155000	155000	156000	155000	158000	179000	179000	179000	179000	179000
(#)	5,488.29	5,488.21	5,488.37	5,488.01	5,488.06	5,488.39	5,498.12	5,498.55	5,498.21	5,498.53	5,498.31	5,498.19
(*)	-23,000	0	0	-1,000	0	+1,000	+23,000	+1,000	-1,000	+1,000	-1,000	0

WTR YR 2000 MAX 182,000 MIN 154,000 (*) 0.00

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

06641500 ALCOVA RESERVOIR AT ALCOVA, WY--Continued



06645000 NORTH PLATTE RIVER BELOW CASPER, WY

LOCATION.--Lat 42°51'40", long 106°12'53", in SE$^1/_4$ NW$^1/_4$ NW$^1/_4$ sec.4, T.33 N., R.78 W., Natrona County, Hydrologic Unit 10180007, at New Mystery Bridge, 0.1 mi upstream from Claude Creek, 0.6 mi north of U.S. Highways 20 and 87, 5.8 mi east of city hall in Casper, and 9.5 mi downstream from Casper Creek.

DRAINAGE AREA.--12,574 mi^2, of which 831 mi^2 probably is noncontributing.

PERIOD OF RECORD.--Water years 1947-52, 1957-59, 1968-89, October 1990 to current year.

REVISED RECORDS.--WDR WY-76-1: Drainage area.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
OCT										
14...	1020	639	631	132	12.0	8.4	724	18.5	11.0	<.020
FEB										
01...	1330	834	--	--	--	7.9	659	1.0	.0	.022
MAY										
25...	1155	1110	--	--	--	7.9	712	20.0	14.5	.046
AUG										
15...	0855	3420	638	96	7.7	8.3	473	25.0	17.0	<.020

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)
OCT									
14...	.154	<.010	.012	4	<1	E1.0	50	<1	78
FEB									
01...	.448	<.010	.037	13	1	E1.5	52	<1	70
MAY									
25...	.142	.018	.023	<13	<1	E1.6	45	<1	92
AUG									
15...	<.050	<.010	.014	2	<1	E1.9	46	<1	52

DATE	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
OCT									
14...	<1.0	<.8	<1	2	<10	<1	35.2	14	<.1
FEB									
01...	<1.0	<.8	<1	2	<10	<1	29.7	15	<.2
MAY									
25...	<1.0	<.8	<1	2	<30	<1	37.5	11	<.2
AUG									
15...	<1.0	E.5	<1	1	<10	<1	21.2	2	<.2

DATE	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L) (00556)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
OCT									
14...	2	2	4.1	<1	574	<10	2	<1	9
FEB									
01...	3	2	3.5	<1	552	<10	6	<1	8
MAY									
25...	3	2	3.0	<1	527	<30	<3	<1	8
AUG									
15...	3	2	<2.4	<1	389	<10	1	5	5

E Estimated.

06646000 DEER CREEK IN CANYON, NEAR GLENROCK, WY

LOCATION.--Lat 42°42'42", long 106°01'43", in SW$^1/_4$ NE$^1/_4$ SE$^1/_4$ sec.26, T.32 N., R.77 W., Converse County, Hydrologic Unit 10180007, on left bank 500 ft upstream from VR Ditch and 14 mi southwest of Glenrock.

DRAINAGE AREA.--139 mi^2.

PERIOD OF RECORD.--May 1946 to September 1951, March 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,640 ft above sea level, from topographic map. May 1946 to September 1951, at same site and datum.

REMARKS.--Records fair except those for November to April, and those for estimated daily discharges, which are poor. No diversion upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 12, 1970, reached a discharge of 14,200 ft^3/s at Deer Creek below Millar Wasteway, at Glenrock (station 06646600), 16.5 mi downstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 23	2330	682	6.08
May 17	2130	*771	*6.29

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.9	9.2	10	11	e12	17	35	329	e110	18	5.9	6.2
2	9.6	7.8	9.4	e10	e12	17	35	329	e100	17	5.8	6.1
3	9.4	8.5	8.3	11	14	17	33	340	e80	16	5.8	6.1
4	8.9	9.3	7.3	e11	13	20	37	354	e70	14	5.7	6.0
5	8.7	9.0	e9.6	12	13	23	67	363	e60	13	5.5	5.7
6	8.5	8.7	e10	12	13	27	78	351	e54	12	5.4	5.4
7	8.3	8.6	10	12	13	27	63	319	e50	12	5.4	5.0
8	8.1	8.3	9.9	12	13	32	61	292	e45	11	e5.2	4.8
9	8.1	8.3	e10	13	13	26	70	274	39	11	e5.0	4.6
10	8.1	8.3	9.8	13	13	29	88	233	38	12	4.7	4.5
11	8.1	8.3	9.7	13	13	23	101	251	36	11	4.6	4.4
12	8.1	8.3	9.3	13	13	26	121	188	34	11	4.6	e4.4
13	8.1	8.3	9.1	13	13	23	146	158	42	10	4.8	e5.6
14	8.1	8.3	11	13	13	23	214	143	49	9.8	4.6	e5.2
15	8.1	8.1	11	13	13	25	197	127	43	9.1	4.6	e5.4
16	9.1	8.0	12	13	13	19	167	116	77	8.8	4.8	e4.7
17	9.4	8.4	12	14	13	21	234	339	58	9.7	5.2	e5.0
18	12	9.5	12	14	13	22	267	511	40	11	5.3	4.6
19	12	10	11	16	e13	17	229	450	33	10	5.3	5.7
20	11	9.0	12	14	e13	20	298	474	39	9.3	5.0	12
21	12	9.2	12	14	14	14	478	431	37	8.7	5.2	9.8
22	12	9.9	12	e13	14	23	524	399	30	8.0	5.5	11
23	12	10	12	e12	15	26	581	353	26	7.5	5.8	13
24	11	8.8	12	e11	15	28	544	299	25	7.1	5.8	12
25	10	11	12	e8.8	10	22	442	269	23	6.9	5.6	12
26	9.7	11	12	e10	10	29	416	250	23	6.6	5.5	15
27	9.4	11	12	e10	15	36	413	235	22	6.4	6.4	16
28	9.1	11	12	e10	16	46	402	172	26	6.3	6.4	16
29	9.1	9.6	12	e10	17	49	427	144	24	6.2	6.2	14
30	9.3	12	12	e9.8	---	46	376	135	20	6.0	6.1	12
31	9.4	---	11	e11	---	39	---	e120	---	6.1	6.3	---
TOTAL	294.6	275.7	334.4	372.6	385	812	7144	8748	1353	311.5	168.0	242.2
MEAN	9.50	9.19	10.8	12.0	13.3	26.2	238	282	45.1	10.0	5.42	8.07
MAX	12	12	12	16	17	49	581	511	110	18	6.4	16
MIN	8.1	7.8	7.3	8.8	10	14	33	116	20	6.0	4.6	4.4
AC-FT	584	547	663	739	764	1610	14170	17350	2680	618	333	480

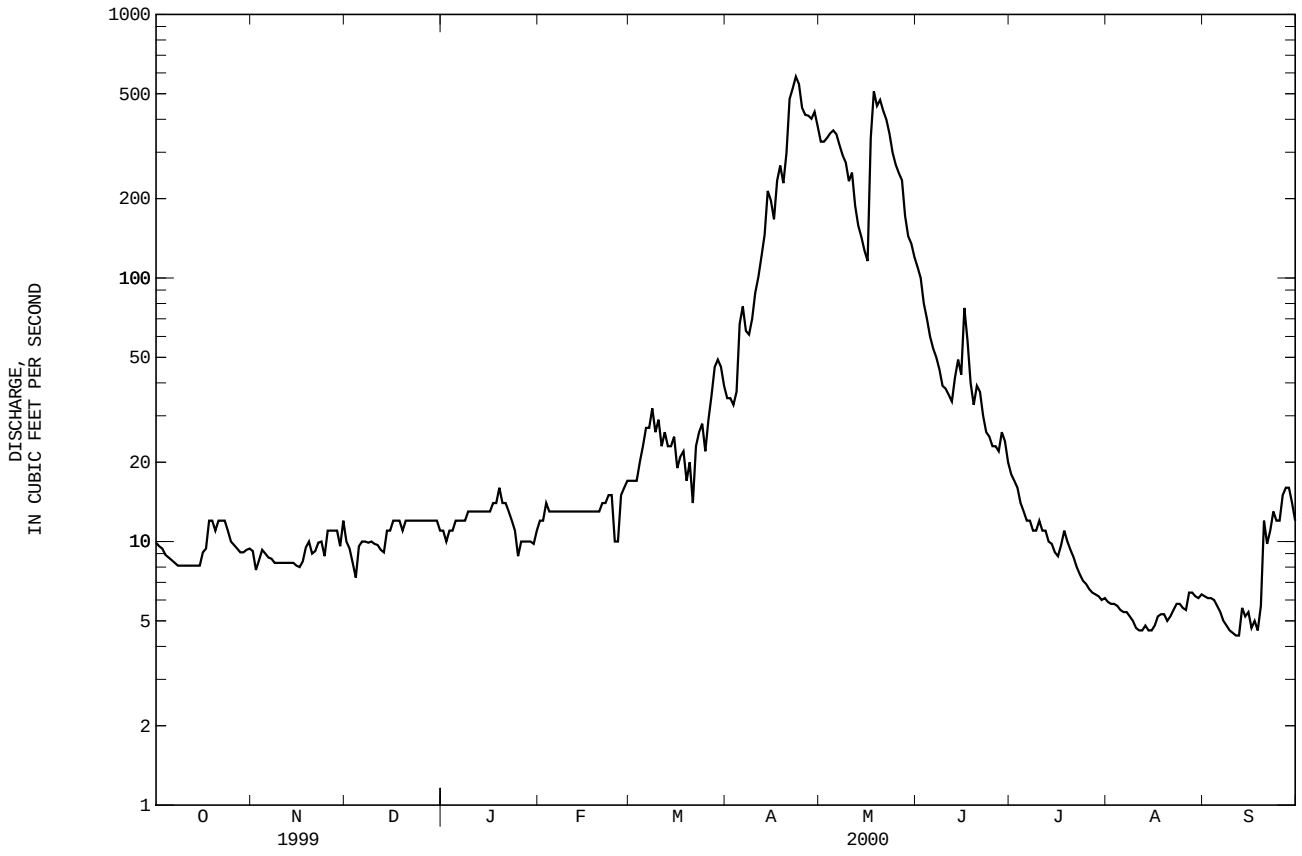
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2000, BY WATER YEAR (WY)

MEAN	11.4	14.6	10.4	9.19	10.1	35.5	193	274	91.0	15.0	6.01	5.94
MAX	64.1	73.9	34.2	26.0	21.5	92.4	352	805	435	57.4	15.5	11.8
(WY)	1999	1999	1996	1997	1997	1999	1987	1995	1995	1947	1997	1997
MIN	3.85	6.04	3.38	3.85	3.44	9.77	44.8	46.5	14.2	3.04	2.47	2.10
(WY)	1990	1993	1991	1991	1947	1950	1989	1989	1989	1989	1989	1990

06646000 DEER CREEK IN CANYON, NEAR GLENROCK, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1946 - 2000	
ANNUAL TOTAL	29135.3		20441.0		--	
ANNUAL MEAN	79.8		55.8		57.7	
HIGHEST ANNUAL MEAN	--		--		124	1995
LOWEST ANNUAL MEAN	--		--		13.9	1989
HIGHEST DAILY MEAN	820	Apr 29	581	Apr 23	1920	Jun 10 1986
LOWEST DAILY MEAN	5.8	Aug 17-19, Sep 1	4.4	Sep 11,12	1.1	Sep 17 1990
ANNUAL SEVEN-DAY MINIMUM	6.0	Aug 15	4.7	Aug 10	1.4	Sep 12 1990
INSTANTANEOUS PEAK FLOW	--		771	May 17	3200	Jun 10 1986
INSTANTANEOUS PEAK STAGE	--		6.29	May 17	9.42	Jun 10 1986
ANNUAL RUNOFF (AC-FT)	57790		40540		41830	
10 PERCENT EXCEEDS	300		218		170	
50 PERCENT EXCEEDS	15		12		11	
90 PERCENT EXCEEDS	7.5		5.8		4.0	

e Estimated.



06647500 BOX ELDER CREEK AT BOXELDER, WY

LOCATION.--Lat 42°36'44", long 105°51'29", in NE$^1/_4$ NE$^1/_4$ SW$^1/_4$ sec.32, T.31 N., R.75 W., Converse County, Hydrologic Unit 10180007, on left bank at Echo Mountain Ranch (old Boxelder Post Office), 0.8 mi downstream from Snowshoe Creek, and 17 mi south of Glenrock.

DRAINAGE AREA.--63.0 mi^2.

PERIOD OF RECORD.--April 1946 to September 1951, October 1961 to September 1967, October 1971 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,710 ft above sea level, from topographic map. Prior to June 7, 1946, non-recording gage, and June 8, 1946, to July 21, 1976, water-stage recorder at site 400 ft downstream at different datum.

REMARKS.--Records good except those for November to March, which are fair, and those for estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 60 acres, of which about 40 acres are downstream from station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 23	0830	456	4.22
May 5	2130	359	3.91
May 20	2030	*502	*4.34

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	2.4	2.3	2.7	2.4	3.8	15	239	91	6.8	.19	.13
2	2.2	2.1	1.8	2.7	2.3	3.9	15	249	81	6.3	.19	.15
3	2.0	2.2	1.5	2.6	2.4	4.0	15	270	71	5.7	.17	.12
4	1.6	2.4	e2.0	2.5	2.4	4.7	17	301	62	5.0	.15	.09
5	1.7	2.3	e2.5	2.4	2.4	5.8	29	329	55	4.2	.11	.09
6	1.7	2.3	e2.6	2.4	2.4	6.7	33	323	48	3.7	.11	.09
7	1.7	2.3	e2.5	2.4	2.4	6.8	31	294	40	3.4	.10	.09
8	1.7	2.2	e2.4	2.4	2.4	7.0	30	260	36	3.2	.08	.08
9	1.6	2.2	e2.3	2.5	2.5	e6.0	37	232	32	3.0	.08	.07
10	1.4	2.1	e2.2	2.5	2.7	e5.8	45	200	28	3.0	.07	.08
11	1.5	2.1	e2.2	2.6	2.7	e6.0	50	199	25	2.8	.07	.08
12	1.5	2.0	e2.1	2.6	2.7	e5.9	59	156	22	2.4	.06	.11
13	1.5	2.0	e2.1	2.5	2.8	e6.0	72	137	27	2.1	.05	.10
14	1.7	2.0	e2.1	2.5	2.9	e6.2	87	123	28	1.7	.05	.11
15	1.7	2.0	e3.0	2.5	3.0	e5.4	86	109	25	1.6	.05	.11
16	2.8	1.9	e3.5	2.7	2.8	e5.8	89	100	39	1.5	.05	.09
17	2.8	1.9	3.8	e3.2	2.8	e7.0	101	187	30	1.7	.05	.10
18	3.4	e1.9	3.5	e3.5	2.8	e5.4	119	250	21	2.4	.06	.12
19	3.3	e1.9	3.3	e4.0	2.8	e6.4	126	333	18	1.7	.07	.33
20	3.2	e1.8	3.2	e3.7	2.7	4.6	154	458	22	1.4	.05	.57
21	3.6	e1.7	3.2	e3.4	3.2	7.6	214	452	19	1.2	.05	.34
22	3.6	e1.8	3.1	e3.1	3.6	6.8	247	422	15	1.0	.05	.90
23	3.4	e1.5	3.0	2.9	3.7	7.6	397	361	12	.78	.05	1.7
24	3.2	e1.8	2.9	2.8	3.7	9.7	352	304	11	.61	.05	1.3
25	2.8	2.0	2.9	2.7	3.4	11	291	259	10	.49	.07	1.8
26	2.8	2.7	2.8	2.5	3.3	11	268	224	10	.39	.08	3.2
27	2.7	3.1	2.8	2.5	3.4	13	260	209	9.9	.32	.09	3.9
28	2.6	2.7	2.8	2.4	3.8	16	272	159	11	.30	.08	4.4
29	2.7	2.5	2.8	2.4	4.0	20	294	135	9.6	.25	.08	5.0
30	2.7	2.4	2.8	2.4	---	18	256	122	8.1	.23	.09	5.2
31	2.6	---	2.7	2.4	---	16	---	108	---	.20	.12	---
TOTAL	74.0	64.2	82.7	84.4	84.4	249.9	4061	7504	916.6	69.37	2.62	30.45
MEAN	2.39	2.14	2.67	2.72	2.91	8.06	135	242	30.6	2.24	.085	1.01
MAX	3.6	3.1	3.8	4.0	4.0	20	397	458	91	6.8	.19	5.2
MIN	1.4	1.5	1.5	2.4	2.3	3.8	15	100	8.1	.20	.05	.07
AC-FT	147	127	164	167	167	496	8050	14880	1820	138	5.2	60

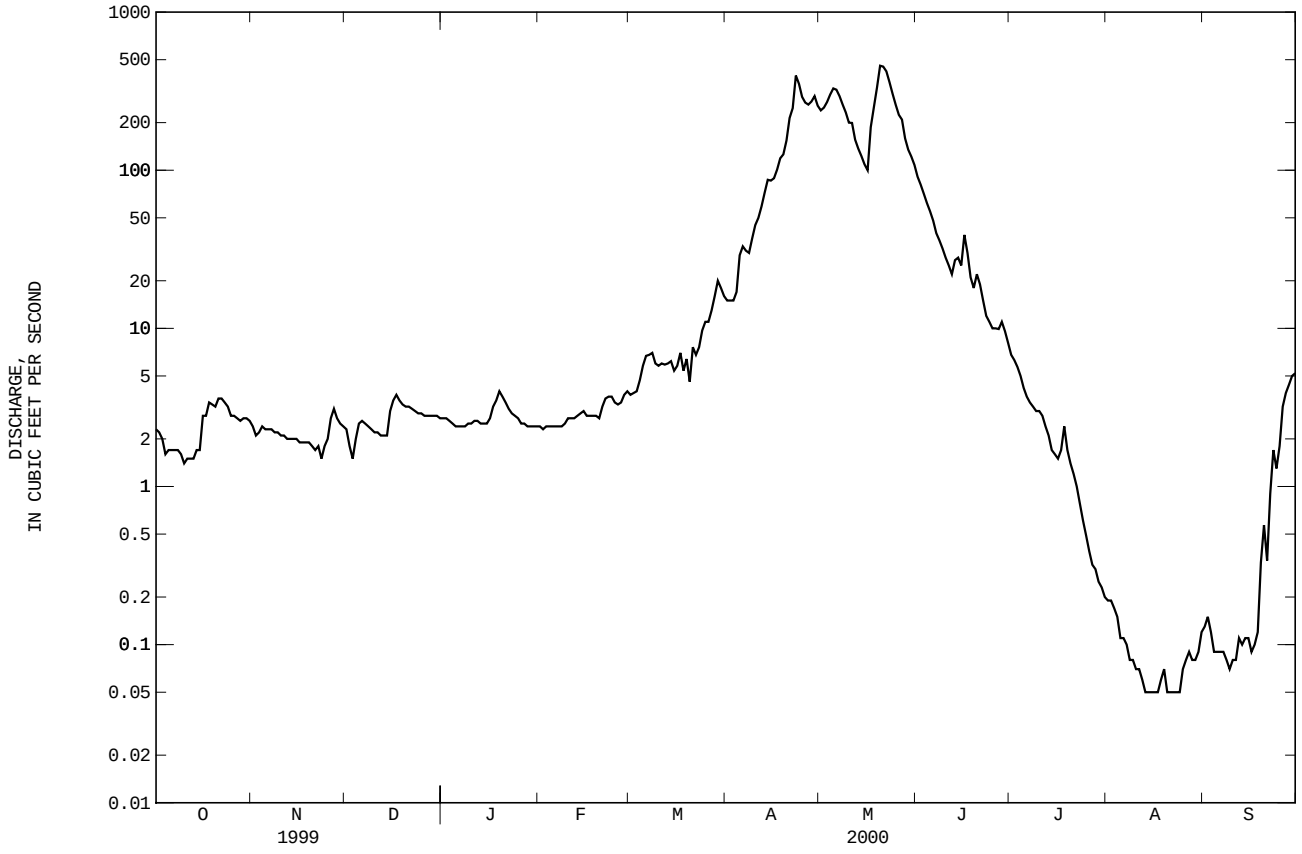
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2000, BY WATER YEAR (WY)

MEAN	2.71	3.85	2.86	2.52	2.83	9.14	80.4	242	80.3	9.00	1.73	.89
MAX	20.8	29.7	15.0	8.12	9.25	31.8	220	562	332	48.8	12.3	4.11
(WY)	1999	1999	1996	1997	1962	1997	1962	1973	1995	1947	1998	1973
MIN	.24	.60	.46	.66	.093	1.47	9.33	39.5	8.28	.21	.021	.058
(WY)	1965	1964	1964	1981	1966	1981	1981	1989	1985	1989	1989	1981

06647500 BOX ELDER CREEK AT BOXELDER, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1946 - 2000	
ANNUAL TOTAL	20961.58		13223.64		--	
ANNUAL MEAN	57.4		36.1		36.7	
HIGHEST ANNUAL MEAN	--		--		85.8	1983
LOWEST ANNUAL MEAN	--		--		6.95	1989
HIGHEST DAILY MEAN	609	Apr 30	458	May 20	2460	May 14 1965
LOWEST DAILY MEAN	.40	Sep 10	.05	Many days	.00	Some years
ANNUAL SEVEN-DAY MINIMUM	.47	Sep 7	.05	Aug 12	.00	Some years
INSTANTANEOUS PEAK FLOW	--		502	May 20	4530	May 14 1965
INSTANTANEOUS PEAK STAGE	--		4.34	May 20	8.58[a]	May 14 1965
ANNUAL RUNOFF (AC-FT)	41580		26230		26560	
10 PERCENT EXCEEDS	238		136		110	
50 PERCENT EXCEEDS	5.2		2.8		3.0	
90 PERCENT EXCEEDS	1.0		.11		.40	

a Site and datum then in use.
e Estimated.



06652000 NORTH PLATTE RIVER AT ORIN, WY

LOCATION.--Lat 42°39'10", long 105°09'32", in NE$^1/_4$ SE$^1/_4$ SW$^1/_4$ sec.17, T.31 N., R.69 W., Converse County, Hydrologic Unit 10180008, on right bank 0.5 mi downstream from bridge on U.S. Highway 87, 0.1 mi downstream from Shawnee Creek, and 1.5 mi east of Orin. Prior to Mar. 6, 1994, at site 0.3 mi upstream.

DRAINAGE AREA.--15,025 mi^2, of which 1,203 mi^2 probably is noncontributing.

PERIOD OF RECORD.--January, April to November 1895, April to October 1896, January 1897 to December 1898, April to November 1899, April to September 1917, April to September 1918, May to September 1924, April 1958 to current year. Monthly discharge only for some periods, published in WSP 1310. Published as "at Orin Junction" 1895, 1897-99 and as "at McKinley" 1917-18.

REVISED RECORDS.--WSP 1310: 1896, 1899. WDR WY-76-1: Drainage area.

GAGE.--Water-stage recorder, and concrete weir since Mar. 6, 1994. Elevation of gage is 4,660 ft above sea level, from topographic map. Jan. 1, 1895, to Nov. 30, 1899, and May 1 to Sept. 30, 1924, nonrecording gage at railroad bridge just upstream from U.S. Highway 87 at different datum. Apr. 1, 1917, to Sept. 30, 1918, nonrecording gage at site 1.9 mi downstream at different datum. Apr. 1958 to Mar. 5, 1994, at site 0.3 mi upstream at different datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Major regulation began after completion of Pathfinder Reservoir in April 1909. Natural flow of stream affected by storage reservoirs, power development, diversions for irrigation, and return flow from irrigated areas. U.S. Geological Survey data collection platform with satellite telemetry at station.

COOPERATION.--Twelve discharge measurements provided by the the Wyoming State Engineer's Office.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	809	788	789	854	845	1660	1690	2210	1550	2570	3170	2520
2	801	770	777	864	912	1670	1700	2020	1490	2570	3170	2500
3	808	766	790	821	961	1690	1700	1900	1650	2570	3170	2470
4	804	764	818	e800	902	1670	1700	1840	1550	2570	3330	2420
5	789	762	824	e740	820	1600	1690	1790	1490	2520	3250	2420
6	784	763	821	e720	870	1180	1750	1770	1460	2570	3210	2400
7	793	761	819	e740	900	1120	1820	1730	1310	2600	3250	2020
8	758	759	825	e700	877	1190	1810	1670	1160	2490	3190	1640
9	785	755	807	e740	864	1190	1770	1650	1130	2590	3210	1510
10	758	750	772	e780	867	1160	1790	1550	1110	2760	3230	1500
11	753	751	817	e760	866	1160	1810	1500	1090	2900	3140	1480
12	758	746	829	e800	893	1140	1840	1560	1070	2800	3050	1480
13	753	747	791	e860	900	1130	1880	1370	1090	2640	3060	1440
14	751	740	e760	886	908	1120	1910	1280	1410	2680	3110	1360
15	742	740	e740	920	910	1110	2090	1240	1810	2780	3080	1250
16	750	735	e760	972	879	1120	2150	1160	2070	2850	3160	1120
17	783	737	e740	974	885	1110	2170	1160	2140	2860	3270	1020
18	777	757	e800	982	892	1120	2270	5550	2150	2980	3060	988
19	956	784	e780	938	871	1330	2770	5200	2210	2940	2820	1030
20	1450	759	e760	910	829	1420	2670	4610	2240	2930	2560	1120
21	1500	710	e800	901	1070	1490	2720	4750	2240	2930	2420	1100
22	1510	734	e840	915	1160	1670	2850	4200	2230	2960	2430	1130
23	1510	755	e820	898	1170	1690	2940	3550	2180	3060	2490	1250
24	1370	778	915	882	1170	1720	3190	2960	2260	3110	2390	1310
25	875	752	876	859	1210	1740	2770	2560	e2500	3110	2370	1260
26	846	755	857	853	1180	1730	2580	2320	e2540	3110	2430	1250
27	822	771	841	926	1150	1710	2440	2170	e2600	3130	2490	1220
28	799	769	869	920	1210	1690	2320	2060	2640	3140	2460	1050
29	789	792	865	861	1310	1720	2330	1850	2650	3320	2440	974
30	790	787	861	773	---	1720	2360	1730	2520	3390	2440	944
31	774	---	859	826	---	1710	---	1630	---	3410	2440	---
TOTAL	27947	22737	25222	26375	28281	44480	65480	72540	55540	88840	89290	45176
MEAN	902	758	814	851	975	1435	2183	2340	1851	2866	2880	1506
MAX	1510	792	915	982	1310	1740	3190	5550	2650	3410	3330	2520
MIN	742	710	740	700	820	1110	1690	1160	1070	2490	2370	944
AC-FT	55430	45100	50030	52310	56100	88230	129900	143900	110200	176200	177100	89610

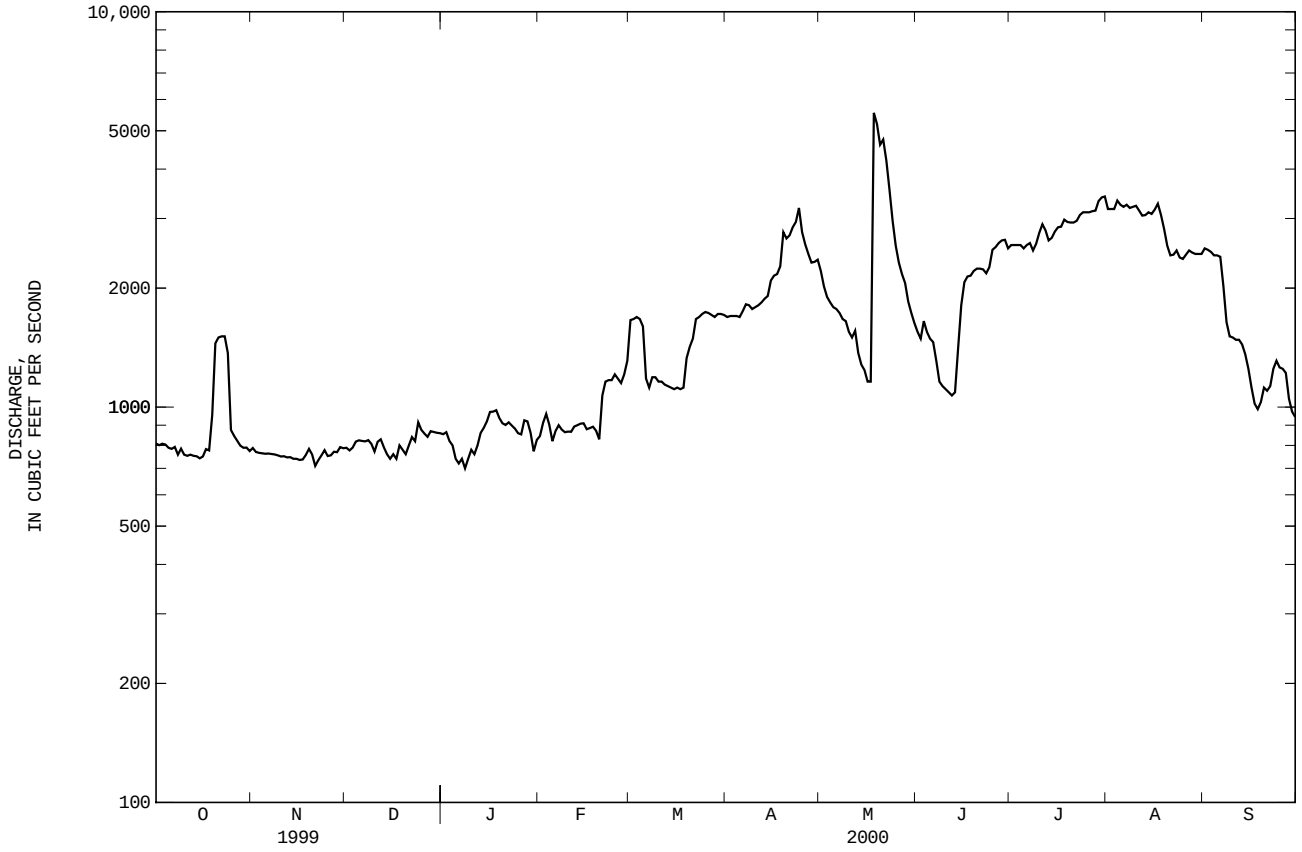
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1895 - 2000, BY WATER YEAR (WY)

MEAN	1186	1071	893	905	994	1227	1927	3345	3256	2650	2294	1622
MAX	1708	2191	1223	1171	1472	2911	4578	9274	14430	9970	5258	4150
(WY)	1986	1987	1974	1986	1980	1984	1974	1973	1917	1917	1924	1917
MIN	571	639	544	600	594	618	670	839	958	982	583	399
(WY)	1961	1959	1991	1992	1993	1981	1981	1992	1990	1967	1898	1898

06652000 NORTH PLATTE RIVER AT ORIN, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1895 - 2000	
ANNUAL TOTAL	682224		591908		--	
ANNUAL MEAN	1869		1617		1650	
HIGHEST ANNUAL MEAN	--		--		3110	1984
LOWEST ANNUAL MEAN	--		--		935	1961
HIGHEST DAILY MEAN	6160	Jun 11	5550	May 18	20300	Jun 27 1917
LOWEST DAILY MEAN	556	Feb 4	700	Jan 8	140	Dec 21 1990
ANNUAL SEVEN-DAY MINIMUM	620	Jan 30	740	Jan 5	324	Sep 25 1966
INSTANTANEOUS PEAK FLOW	--		7090	May 18	23800[a]	May 15 1965
INSTANTANEOUS PEAK STAGE	--		6.43	May 18	10.45[b]	Jun 12 1970
ANNUAL RUNOFF (AC-FT)	1353000		1174000		1196000	
10 PERCENT EXCEEDS	5070		2960		3800	
50 PERCENT EXCEEDS	1080		1270		1300	
90 PERCENT EXCEEDS	758		761		700	

a Gage height, 10.00 ft, site and datum then in use.
b Site and datum then in use.
e Estimated.



06652700 GLENDO RESERVOIR NEAR GLENDO, WY

LOCATION.--Lat 42°28'21", long 104°57'28", in SW$^1/_4$ NE$^1/_4$ sec.24, T.29 N., R.68 W., Platte County, Hydrologic Unit 10180008, on right bank in gate shaft house on North Platte River, 0.5 mi southwest of Glendo Dam, and 5.0 mi southeast of Glendo.

DRAINAGE AREA.--15,545 mi^2, of which 1,215 mi^2 probably is noncontributing.

PERIOD OF RECORD.--October 1957 to current year.

REVISED RECORDS.--WDR WY-76-1: Drainage area.

GAGE.--Water-stage recorder for elevations above 4,543.50 ft. Datum of gage is 4,543.50 ft above sea level (levels by Bureau of Reclamation).

REMARKS.--Reservoir is formed by rock-fill dam completed in October 1957. Storage began Oct. 17, 1957. Capacity, 789,400 acre-ft at elevation 4,653.00 ft, spillway crest. Dead storage, 11,030 acre-ft. Figures given herein represent total contents. Water is used for irrigation in North Platte River basin, and for power generation.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily contents, 758,800 acre-ft, May 28, 1973, elevation, 4,650.94 ft; minimum daily contents(since appreciable storage was attained), 15,140 acre-ft, Sept. 28, 1966, elevation, 4,548.10 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily contents, 528,000 acre-ft, April 29, maximum daily elevation, 4,635.82 ft; minimum daily contents, 91,200 acre-ft, Sept. 22, 23, minimum elevation, 4,578.05 ft, Sept. 22.

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

4,570	63,100	4,610	274,000
4,580	98,800	4,620	358,000
4,590	144,000	4,630	459,000
4,600	202,000	4,640	583,000

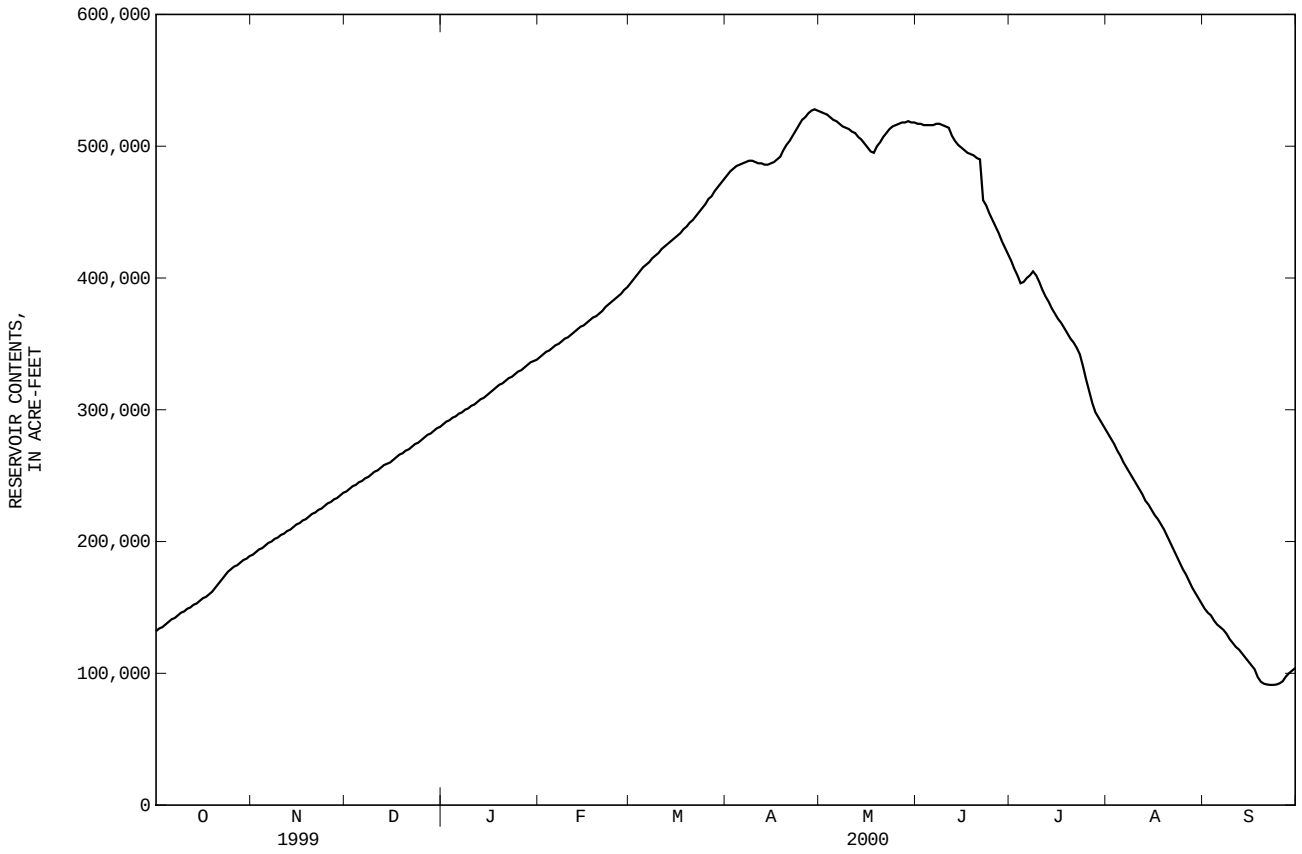
RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	132000	190000	238000	289000	340000	396000	478000	526000	517000	413000	282000	149000
2	134000	192000	240000	291000	342000	399000	481000	525000	517000	407000	278000	146000
3	135000	194000	242000	292000	344000	402000	483000	524000	516000	402000	274000	144000
4	137000	195000	243000	294000	345000	405000	485000	522000	516000	396000	269000	140000
5	139000	197000	245000	295000	347000	408000	486000	520000	516000	397000	265000	137000
6	141000	199000	246000	297000	349000	410000	487000	519000	516000	400000	260000	135000
7	142000	200000	248000	298000	350000	412000	488000	517000	517000	402000	256000	133000
8	144000	202000	249000	300000	352000	415000	489000	515000	517000	405000	252000	130000
9	146000	203000	251000	301000	354000	417000	489000	514000	516000	402000	248000	126000
10	147000	205000	253000	303000	355000	419000	488000	513000	515000	397000	244000	123000
11	149000	206000	254000	304000	357000	422000	487000	511000	514000	391000	240000	120000
12	150000	208000	256000	306000	359000	424000	487000	510000	508000	386000	236000	118000
13	152000	209000	258000	308000	361000	426000	486000	507000	504000	382000	231000	115000
14	153000	211000	259000	309000	363000	428000	486000	505000	501000	377000	228000	112000
15	155000	213000	260000	311000	364000	430000	487000	502000	499000	373000	224000	109000
16	157000	214000	262000	313000	366000	432000	488000	499000	497000	369000	220000	106000
17	158000	216000	264000	315000	368000	434000	490000	496000	495000	366000	217000	103000
18	160000	217000	266000	317000	370000	437000	492000	495000	494000	362000	213000	97100
19	162000	219000	267000	319000	371000	439000	497000	500000	493000	358000	209000	93600
20	165000	221000	269000	320000	373000	442000	501000	503000	491000	354000	204000	92100
21	168000	222000	270000	322000	375000	444000	504000	507000	490000	351000	199000	91500
22	171000	224000	272000	324000	378000	447000	508000	510000	459000	347000	194000	91200
23	174000	225000	274000	325000	380000	450000	512000	513000	455000	342000	189000	91200
24	177000	227000	275000	327000	382000	453000	516000	515000	449000	333000	184000	91500
25	179000	229000	277000	329000	384000	456000	520000	516000	444000	323000	179000	92400
26	181000	230000	279000	330000	386000	460000	522000	517000	439000	314000	175000	94000
27	182000	232000	281000	332000	388000	462000	525000	518000	434000	305000	170000	97500
28	184000	233000	282000	334000	391000	466000	527000	518000	428000	298000	165000	100000
29	186000	235000	284000	336000	393000	469000	528000	519000	423000	294000	161000	102000
30	187000	237000	286000	337000	---	472000	527000	518000	418000	290000	157000	104000
31	189000	---	287000	338000	---	475000	---	518000	---	286000	153000	---
MAX	189000	237000	287000	338000	393000	475000	528000	526000	517000	413000	282000	149000
MIN	132000	190000	238000	289000	340000	396000	478000	495000	418000	286000	153000	91200
(#)	4,597.93	4,605.01	4,611.73	4,617.76	4,623.62	4,631.39	4,635.77	4,635.05	4,626.12	4,611.60	4,591.67	4,581.32
(*)	+59,000	+48,000	+50,000	+51,000	+55,000	+82,000	+52,000	-9,000	-100,000	-132,000	-133,000	-49,000

WTR YR 2000 MAX 528,000 MIN 91,200 (*) -26,000

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

06652700 GLENDO RESERVOIR NEAR GLENDO, WY--Continued



06652800 NORTH PLATTE RIVER BELOW GLENDO RESERVOIR, WY

LOCATION.--Lat 42°27'25", long 104°56'50", in SW¼ SW¼ NW¼ sec.30, T.29 N., R.67 W., Platte County, Hydrologic Unit 10180008, on right bank opposite Sand Draw, 1.3 mi upstream from Horseshoe Creek, 3.1 mi downstream from Glendo Dam, and 5.2 mi southeast of Glendo.

DRAINAGE AREA.--15,548 mi^2, of which 1,215 mi^2 probably is non-contributing.

PERIOD OF RECORD.--October 1957 to current year.

REVISED RECORDS.--WDR WY-76-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,488.94 ft above sea level (levels by Bureau of Reclamation).

REMARKS.--Records good except those less than 500 ft^3/s, which are fair and those for estimated daily discharges, which are poor. Flow completely regulated by Glendo Reservoir since Oct. 17, 1957 (station 06652700). Natural flow of stream affected by transbasin diversions, storage reservoirs, power generation, ground-water withdrawals and diversions for irrigation, and return flow from irrigated areas. Bureau of Reclamation data collection platform with satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	26	27	28	e28	26	46	2600	1780	5380	5310	4130
2	24	26	27	29	28	25	46	2590	1790	5440	5350	3900
3	24	27	27	e28	27	25	355	2610	1770	5360	5370	3850
4	25	26	27	e28	e27	25	961	2610	1780	5390	5490	3760
5	25	26	27	29	e28	25	1060	2600	1480	2210	5440	3560
6	25	26	27	e28	28	25	1050	2590	1130	1060	5440	3430
7	26	26	27	e29	28	25	1100	2600	1040	1080	5320	3310
8	25	26	27	29	27	29	1330	2530	1480	1170	5190	3080
9	25	26	27	29	27	26	1690	2420	2230	4370	5160	3020
10	26	26	27	e29	27	27	2230	2400	2210	5500	5130	2960
11	26	26	27	e28	27	26	2260	2410	2890	5530	5170	2940
12	27	26	27	29	28	26	2200	2600	3370	5440	5150	2800
13	27	27	27	29	e28	26	1930	2820	3560	5180	5150	2760
14	31	27	28	29	29	26	1790	2820	3780	5200	5140	2760
15	33	27	e27	29	28	26	1610	2970	4030	5220	4840	2750
16	36	27	28	29	27	26	1600	3160	4270	5190	4850	2760
17	33	27	28	29	26	26	1430	3210	4290	5240	4980	2760
18	32	29	28	29	26	26	1090	3000	4450	5190	4990	2760
19	29	28	e27	29	26	26	837	2730	4660	5140	4990	2480
20	28	28	e28	29	26	28	681	2550	4830	5030	4980	1790
21	28	27	28	29	26	32	684	2550	4860	4970	4990	1390
22	29	27	27	29	26	41	688	2230	4790	4980	4980	1280
23	29	27	28	29	26	56	693	2020	4980	6150	4920	1180
24	30	27	28	29	26	45	962	2010	5110	7910	4830	1100
25	27	27	28	28	e26	45	1120	1950	5220	8000	4760	714
26	26	27	28	28	e27	45	1130	1800	5340	7980	4730	390
27	26	27	28	28	27	45	1120	1790	5380	7940	4710	264
28	25	27	28	29	26	46	1240	1770	5430	6540	4670	201
29	26	27	28	e28	26	46	2030	1780	5390	5180	4530	25
30	25	27	28	e28	---	46	2560	1780	5320	5220	4430	24
31	26	---	28	e28	---	46	---	1780	---	5280	4320	---
TOTAL	849	803	852	888	782	1013	37523	75280	108640	159470	155310	68128
MEAN	27.4	26.8	27.5	28.6	27.0	32.7	1251	2428	3621	5144	5010	2271
MAX	36	29	28	29	29	56	2560	3210	5430	8000	5490	4130
MIN	24	26	27	28	26	25	46	1770	1040	1060	4320	24
AC-FT	1680	1590	1690	1760	1550	2010	74430	149300	215500	316300	308100	135100

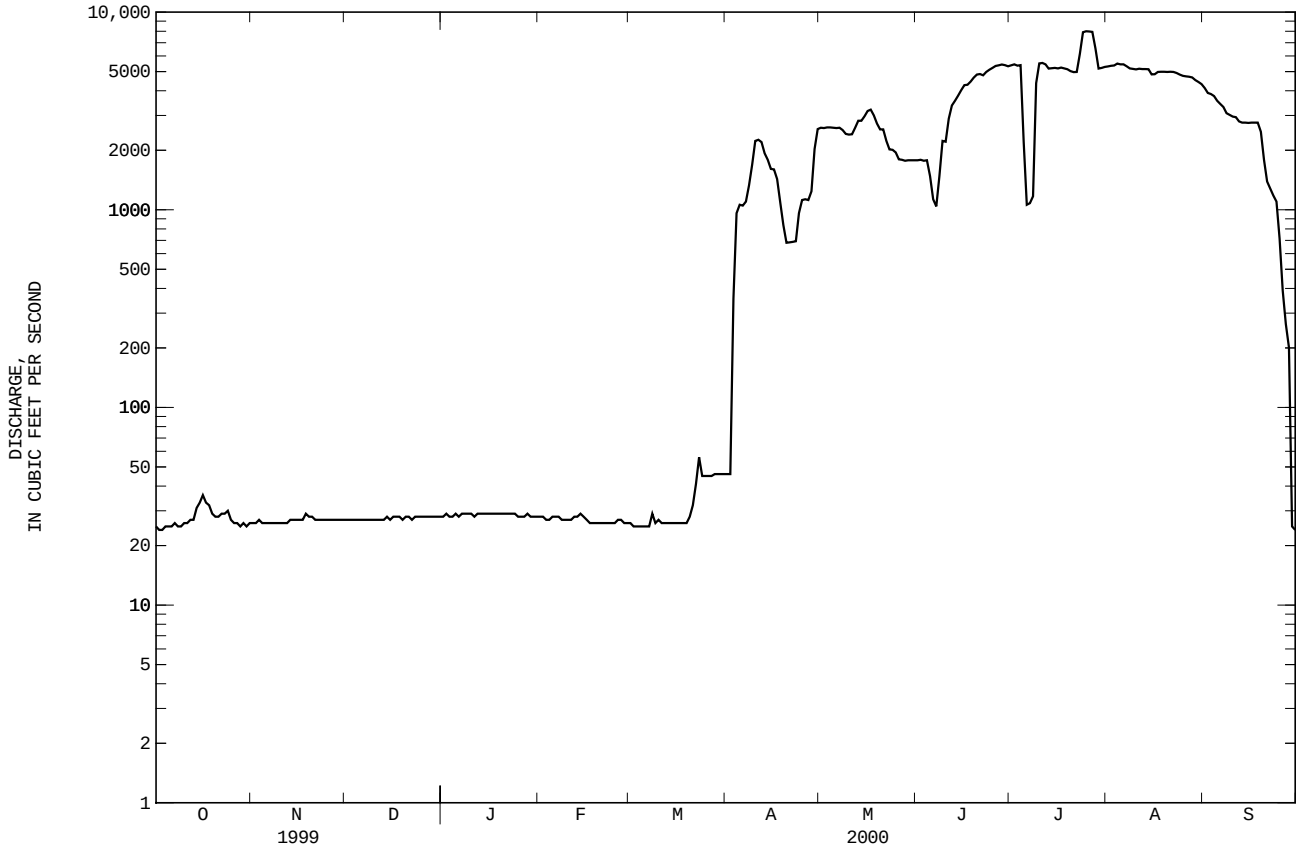
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2000, BY WATER YEAR (WY)

MEAN	68.2	30.3	16.7	14.7	103	502	1212	2251	2818	4923	4938	2510
MAX	951	857	324	173	1054	3837	3868	4688	8916	8681	8923	6027
(WY)	1987	1987	1959	1963	1984	1974	1974	1984	1973	1983	1983	1983
MIN	1.51	1.09	1.00	1.30	1.33	1.58	203	15.4	66.1	3104	3871	906
(WY)	1992	1991	1991	1992	1990	1990	1960	1990	1962	1962	1977	1961

06652800 NORTH PLATTE RIVER BELOW GLENDO RESERVOIR, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1958 - 2000	
ANNUAL TOTAL	738830.0		609538		--	
ANNUAL MEAN	2024		1665		1627	
HIGHEST ANNUAL MEAN	--		--		3126	1984
LOWEST ANNUAL MEAN	--		--		920	1961
HIGHEST DAILY MEAN	8280	Jul 9	8000	Jul 25	10300	Jun 30 1984
LOWEST DAILY MEAN	5.4	Jan 27	24	Oct 2,3, Sep 30	.41	Oct 17 1977
ANNUAL SEVEN-DAY MINIMUM	17	Jan 25	25	Oct 1	.64	Dec 20 1990
INSTANTANEOUS PEAK FLOW	--		8060	Jul 24	10300	Jun 29 1984
INSTANTANEOUS PEAK STAGE	--		10.10	Jul 24	11.16	Jun 29 1984
ANNUAL RUNOFF (AC-FT)	1465000		1209000		1179000	
10 PERCENT EXCEEDS	6030		5170		4940	
50 PERCENT EXCEEDS	453		46		224	
90 PERCENT EXCEEDS	26		26		2.1	

e Estimated.



06655500 GUERNSEY RESERVOIR NEAR GUERNSEY, WY

LOCATION.--Lat 42°17'23", long 104°45'48", in NE$^1/_4$ NW$^1/_4$ sec.27, T.27 N., R.66 W., Platte County, Hydrologic Unit 10180008, on gate structure at right end of dam on North Platte River and 1.2 mi northwest of Guernsey.

DRAINAGE AREA.--16,224 mi^2, of which 1,216 mi^2 probably is non-contributing.

PERIOD OF RECORD.--January 1928 to current year. Prior to October 1950 monthend figures only, published in WSP 1310.

REVISED RECORDS.--WDR WY-76-1: Drainage area. WDR WY-82-1: 1981 (capacity).

GAGE.--Water-stage recorder. Datum of gage is 4,370.00 ft above sea level (levels by Bureau of Reclamation). Prior to Sept. 20, 1966, nonrecording gages at same datum.

REMARKS.--Reservoir is formed by rock-fill dam completed in July 1927. Capacity, 45,600 acre-ft, at elevation 4,420 ft, top of spillway gate. Dead storage is negligible. Figures given herein represent total contents. Usable contents published prior to October 1956. Water is used for irrigation in eastern Wyoming and western Nebraska and for power generation.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily contents, 73,240 acre-ft, Oct. 17, 1929, elevation, 4,420.95 ft, no storage Oct. 11, 1982, Oct. 6, 7, Oct. 10 to Dec. 4, 1983, Oct. 19, Oct. 25, 1984 to Jan. 14, 1985, Dec. 6-7, 1986; minimum daily elevation, 4,361.50 ft, Oct. 5, 6, 1958.

EXTREMES FOR CURRENT YEAR.--Maximum daily contents, 38,700 acre-ft, May 21-22, maximum daily elevation, 4,417.02 ft, May 22; minimum daily contents, 504 acre-ft, Oct. 1, minimum daily elevation, 4,381.06 ft, Oct. 1.

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

4,371	2	4,385	1,200	4,400	9,690	4,415	34,300
4,375	50	4,390	2,710	4,405	16,000	4,420	45,600
4,380	375	4,395	5,360	4,410	24,300		

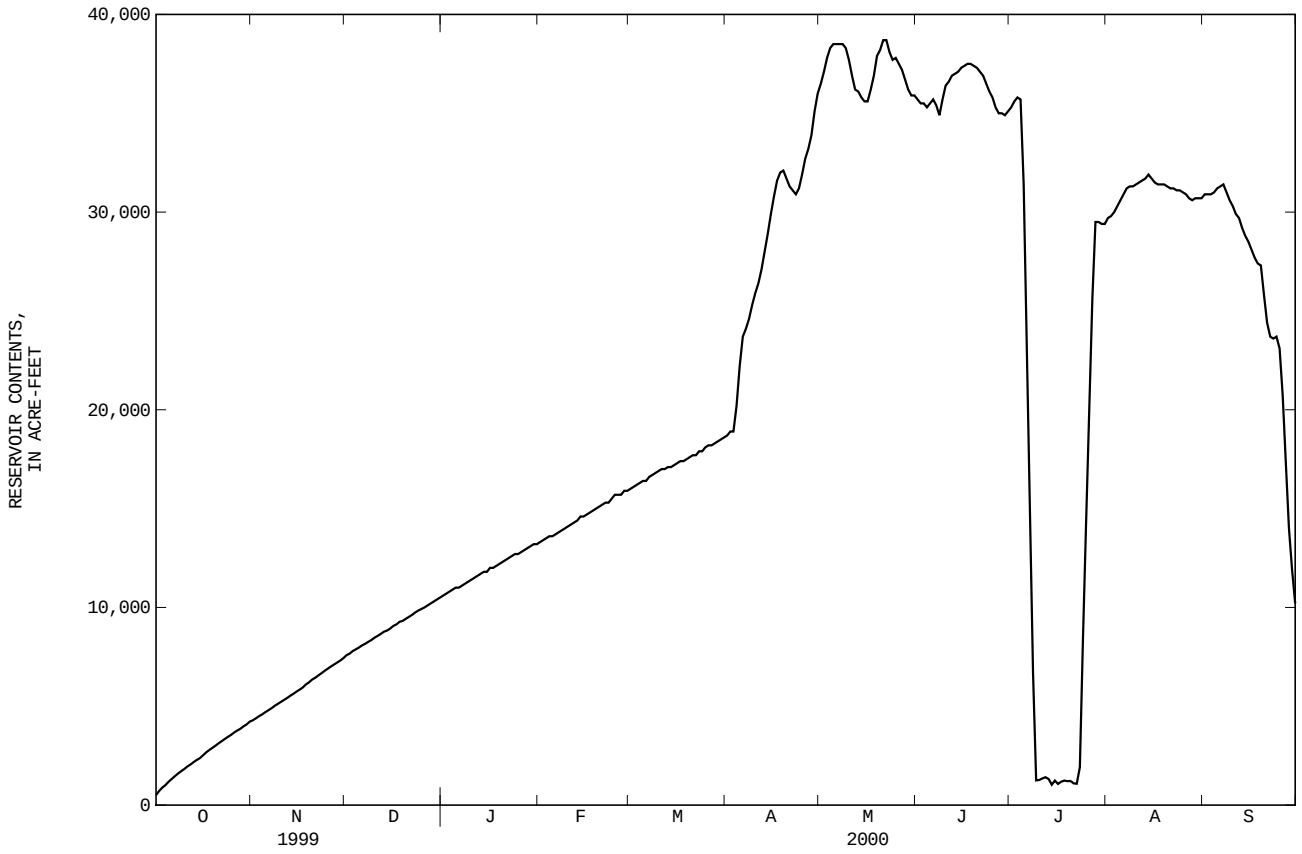
RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	504	4290	7580	10600	13300	16000	18700	36500	35700	35300	29700	30900
2	717	4390	7660	10700	13400	16100	18900	37100	35500	35600	29800	30900
3	885	4500	7790	10800	13500	16200	18900	37800	35500	35800	30000	30900
4	1010	4590	7880	10900	13600	16300	20200	38300	35300	35700	30300	31000
5	1180	4700	7970	11000	13600	16400	22200	38500	35500	31400	30600	31200
6	1320	4800	8080	11000	13700	16400	23700	38500	35700	23100	30900	31300
7	1460	4900	8160	11100	13800	16600	24100	38500	35400	14900	31200	31400
8	1590	5020	8260	11200	13900	16700	24600	38500	34900	6690	31300	31000
9	1710	5120	8350	11300	14000	16800	25300	38300	35700	1250	31300	30600
10	1820	5220	8470	11400	14100	16900	25900	37700	36400	1270	31400	30300
11	1950	5320	8560	11500	14200	17000	26400	36900	36600	1350	31500	29900
12	2050	5420	8660	11600	14300	17000	27100	36200	36900	1410	31600	29700
13	2170	5530	8770	11700	14400	17100	28000	36100	37000	1320	31700	29200
14	2280	5630	8830	11800	14600	17100	28900	35800	37100	1030	31900	28800
15	2370	5740	8930	11800	14600	17200	29900	35600	37300	1240	31700	28500
16	2510	5840	9060	12000	14700	17300	30800	35600	37400	1070	31500	28100
17	2660	5950	9140	12000	14800	17400	31600	36200	37500	1180	31400	27700
18	2780	6100	9270	12100	14900	17400	32000	36900	37500	1240	31400	27400
19	2890	6210	9320	12200	15000	17500	32100	37900	37400	1210	31400	27300
20	3000	6350	9420	12300	15100	17600	31700	38200	37300	1220	31300	25800
21	3120	6440	9520	12400	15200	17700	31300	38700	37100	1100	31200	24400
22	3230	6560	9620	12500	15300	17700	31100	38700	36900	1080	31200	23700
23	3340	6670	9740	12600	15300	17900	30900	38100	36500	1920	31100	23600
24	3450	6790	9840	12700	15500	17900	31200	37700	36100	8460	31100	23700
25	3550	6900	9920	12700	15700	18100	31900	37800	35800	14300	31000	23100
26	3670	7010	10000	12800	15700	18200	32700	37500	35300	20000	30900	20700
27	3770	7110	10100	12900	15700	18200	33200	37200	35000	25600	30700	17300
28	3860	7210	10200	13000	15900	18300	33900	36700	35000	29500	30600	14000
29	3980	7310	10300	13100	15900	18400	35100	36200	34900	29500	30700	11900
30	4080	7430	10400	13200	---	18500	36000	35900	35100	29400	30700	10200
31	4220	---	10500	13200	---	18600	---	35900	---	29400	30700	---
MAX	4220	7430	10500	13200	15900	18600	36000	38700	37500	35800	31900	31400
MIN	504	4290	7580	10600	13300	16000	18700	35600	34900	1030	29700	10200
(#)	4,393.16	4,397.66	4,400.75	4,403.01	4,404.95	4,406.69	4,415.76	4,415.73	4,415.35	4,412.60	4,413.29	4,400.44
(*)	+4,215	+3,210	+3,070	+2,700	+2,700	+2,700	+17,400	-100	-800	-5,700	+1,300	-20,500

WTR YR 2000 MAX 38,700 MIN 504 (*) +10,195

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

06655500 GUERNSEY RESERVOIR NEAR GUERNSEY, WY--Continued



06657000 NORTH PLATTE RIVER BELOW WHALEN DIVERSION DAM, WY

LOCATION.--Lat 42°14'17", long 104°37'41", in SW$^1/_4$ SW$^1/_4$ sec.11, T.26 N., R.65 W., Goshen County, Hydrologic Unit 10180009, on left bank 0.7 mi downstream from Whalen diversion dam, and 6.0 mi northwest of Fort Laramie.

DRAINAGE AREA.--16,237 mi^2, of which 1,219 mi^2 probably is noncontributing.

PERIOD OF RECORD.--May 1909 to current year. Monthly discharge only, prior to January 1915, published in WSP 1910. Prior to Apr. 16, 1938, published as "below Whalen", and Apr. 16, 1938, to Sept. 30, 1974, as "at recorder station, below Whalen".

REVISED RECORDS.--WSP 1310: 1924. WDR WY-76-1: Drainage area.

GAGE.--Water-stage recorder and sheet piling weir since Apr. 25, 1994. Elevation of gage is 4,280 ft above sea level, from topographic map. Prior to Apr. 16, 1938, nonrecording gages at Whalen Diversion Dam and canals 0.7 mi upstream at different datums. Apr. 16, 1938, to Nov. 17, 1955, water-stage recorder at site 1.9 mi downstream, and Nov. 18, 1955, to Apr. 25, 1994, at site 1.8 mi downstream at different datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by Whalen Diversion Dam 0.7 mi upstream. Natural flow of stream affected by storage reservoirs, transbasin diversions, power development, ground-water withdrawals and diversions for irrigation, and return flow from irrigated areas. Bureau of Reclamation data collection platform with satellite telemetry at station.

COOPERATION.--Five discharge measurements provided by the Wyoming State Engineer's Office.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109	11	7.1	6.2	e9.0	9.9	11	563	955	1520	1530	939
2	63	11	6.7	6.3	e9.0	9.9	11	628	940	1570	1570	835
3	52	10	6.5	e5.9	e9.0	10	12	561	865	1590	1600	748
4	44	11	e6.4	e6.0	e9.0	9.8	12	586	871	1650	1580	703
5	39	10	e6.4	e6.4	e9.3	9.6	9.7	637	627	1680	1580	589
6	35	10	6.6	e6.4	9.8	10	6.8	624	233	1660	1580	481
7	33	9.6	6.1	e6.6	9.6	9.8	483	605	202	1650	1540	474
8	29	9.6	6.0	e6.6	9.5	e12	851	530	336	1610	1490	485
9	27	9.1	e6.2	e6.6	9.3	14	924	472	500	1590	1450	496
10	25	9.0	6.3	e6.6	9.2	14	897	561	584	1620	1440	505
11	23	9.0	6.2	e6.4	9.6	13	936	596	539	1670	1450	508
12	21	9.0	6.0	e6.6	e9.4	11	899	599	871	1730	1460	456
13	20	9.0	e5.6	e7.0	e9.6	12	584	603	994	1640	1470	437
14	19	8.7	e5.2	7.9	e9.7	12	466	614	1000	1520	1440	423
15	17	8.4	e5.2	7.8	e9.8	11	251	594	1070	1540	1390	392
16	19	8.4	6.6	7.4	e9.8	12	234	622	1220	1510	1370	391
17	18	8.7	6.0	8.1	e10	11	228	691	1210	1540	1390	403
18	16	10	6.0	7.8	e10	12	231	547	1240	1550	1410	403
19	16	10	4.8	8.3	e10	12	145	486	1450	1480	1420	394
20	15	9.2	e5.2	8.0	10	13	90	494	1550	1420	1420	282
21	15	8.4	e6.0	8.4	11	13	49	495	1550	1360	1420	202
22	14	8.7	e6.2	8.4	11	11	42	723	1590	1320	1420	169
23	13	9.0	e6.4	8.4	11	10	38	1270	1660	1320	1420	162
24	13	8.7	e6.4	8.5	11	10	35	1340	1730	1370	1340	138
25	13	8.7	e6.0	8.4	e10	9.9	31	1090	1800	1390	1290	90
26	13	7.9	5.9	9.0	e10	9.3	25	1080	1760	1460	1280	546
27	12	6.8	5.8	9.1	e11	9.6	18	1060	1660	1510	1250	946
28	12	7.2	5.9	9.0	11	8.9	13	1060	1590	1450	1210	970
29	12	7.2	6.3	e8.8	10	10	205	1050	1540	1490	1100	448
30	12	7.3	6.3	e8.8	---	10	469	990	1500	1540	1020	102
31	11	---	6.2	e8.8	---	10	---	912	---	1550	1010	---
TOTAL	780	270.6	188.5	234.5	286.6	339.7	8206.5	22683	33637	47500	43340	14117
MEAN	25.2	9.02	6.08	7.56	9.88	11.0	274	732	1121	1532	1398	471
MAX	109	11	7.1	9.1	11	14	936	1340	1800	1730	1600	970
MIN	11	6.8	4.8	5.9	9.0	8.9	6.8	472	202	1320	1010	90
AC-FT	1550	537	374	465	568	674	16280	44990	66720	94220	85960	28000

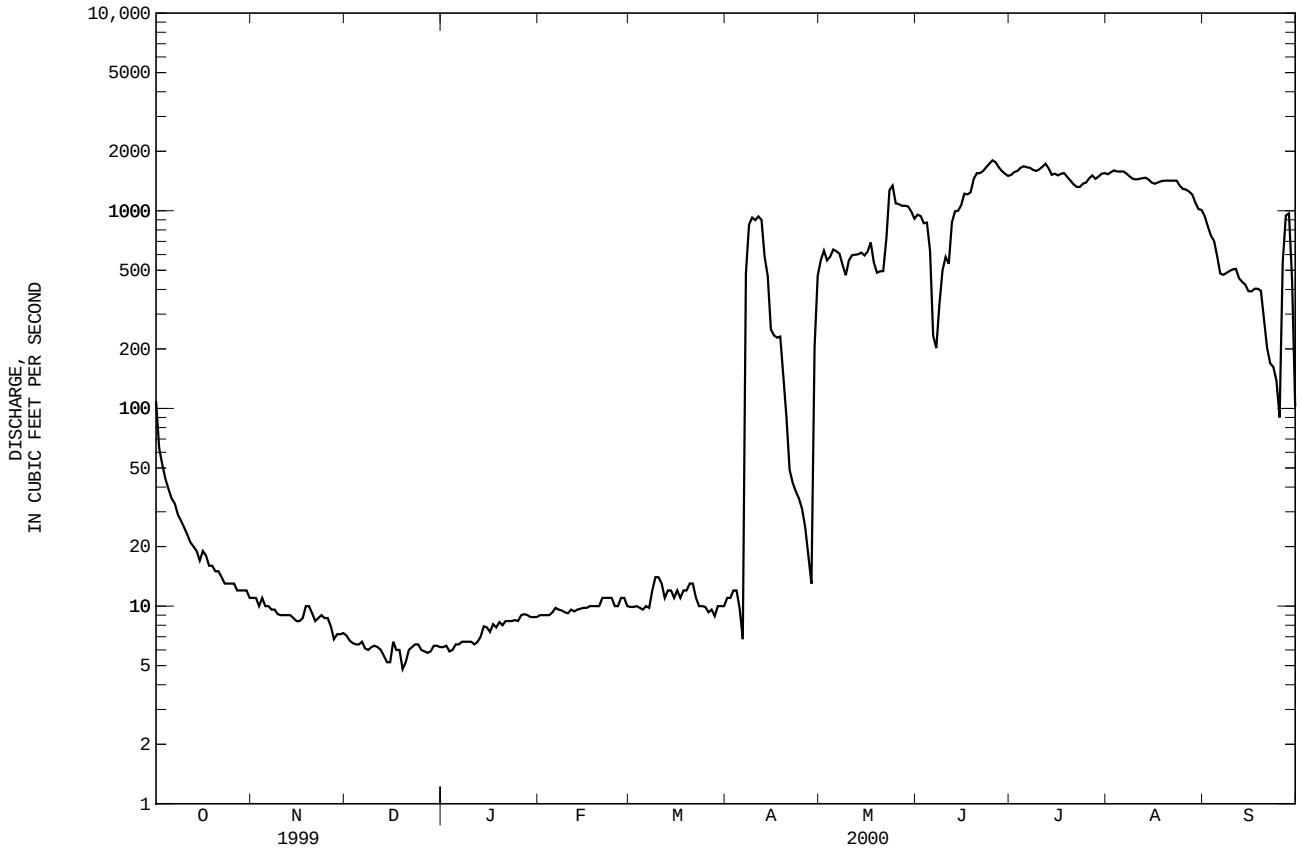
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1917 - 2000, BY WATER YEAR (WY)

MEAN	187	95.1	61.5	54.7	80.1	271	511	1260	1994	1864	1395	686
MAX	1389	1130	405	494	604	3885	5410	6175	14360	8330	5465	3976
(WY)	1918	1987	1930	1927	1930	1974	1924	1924	1917	1917	1983	1983
MIN	4.20	.71	.30	.24	.013	.000	2.83	13.6	126	559	86.6	43.8
(WY)	1967	1967	1967	1962	1967	1976	1954	1990	1982	1934	1934	1934

06657000 NORTH PLATTE RIVER BELOW WHALEN DIVERSION DAM, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1917 - 2000*	
ANNUAL TOTAL	380858.5		171583.4		--	
ANNUAL MEAN	1043		469		708	
HIGHEST ANNUAL MEAN	--		--		2992	1917
LOWEST ANNUAL MEAN	--		--		178	1954
HIGHEST DAILY MEAN	4600	Jul 9	1800	Jun 25	19500	Jun 28 1917
LOWEST DAILY MEAN	4.8	Dec 19	4.8	Dec 19	.00	Many days, several years
ANNUAL SEVEN-DAY MINIMUM	5.6	Dec 14	5.6	Dec 14	.00	Jan 8 1962
INSTANTANEOUS PEAK FLOW	--		1840	Jun 24	22000[a]	Jun 26 1955
INSTANTANEOUS PEAK STAGE	--		6.72	Jun 24	9.85[b]	Jun 26 1955
ANNUAL RUNOFF (AC-FT)	755400		340300		513200	
10 PERCENT EXCEEDS	3670		1510		1890	
50 PERCENT EXCEEDS	77		26		143	
90 PERCENT EXCEEDS	7.7		6.6		3.9	

* Period of record to 1917 water year not used in computations, monthly and seasonal records only.
a From rating curve extended above 4,500 ft^3/s on basis of peak-flow measurement of upstream floods.
b Site and datum then in use.
e Estimated.



06659500 LARAMIE RIVER AND PIONEER CANAL NEAR WOODS, WY

LOCATION.--River: Lat 41°08'17", long 105°58'49", in NW$^1/_4$ SE$^1/_4$ sec.36, T.14 N., R.77 W., Albany County, Hydrologic Unit 10180010, on left bank 100 ft upstream from diversion dam for Pioneer Canal, 2.2 mi downstream from Fox Creek, 2.5 mi northeast of Woods, and 23 mi southwest of Laramie.

Canal: Lat 41°08'21", long 105°58'45", in SE$^1/_4$ NE$^1/_4$ sec.36, T.14 N., R.77 W., Albany County, on left bank 400 ft downstream from headgate.

DRAINAGE AREA.--434 mi^2.

PERIOD OF RECORD.--April 1912 to September 1924, October 1926 to September 1927, October 1931 to current year (no winter records for river since 1972; no winter records for canal 1972 to 1996). Monthly discharge only for some periods, published in WSP 1310.

REVISED RECORDS.--WSP 1310: 1918-20, 1922, 1924. WSP 1710: Drainage area. WDR WY-84-1: 1983.

GAGE.--River: Water-stage recorder and concrete control. Datum of gage is 7,388.99 ft above sea level. Apr. 16 to Nov. 15, 1912, nonrecording gage and Nov. 16, 1912, to Sept. 22, 1915, water-stage recorder 90 ft downstream between dam crest and canal headgates at datum 1.00 ft higher. Sept. 23, 1915, to Sept. 30, 1924, Apr. 19 to Sept. 30, 1927, and Apr. ll, 1932, to Sept. 30, 1935, water-stage recorder at site 50 ft downstream at datum 1.00 ft higher. Oct. 1, 1935, to July 13, 1950, water-stage recorder at site 50 ft downstream at present datum.

Canal: Water-stage recorder and Parshall flume. Elevation of gage is 7,390 ft above sea level, from topographic map. Apr. 16, 1912, to Apr. 10, 1923, nonrecording gage; Apr. 11, 1923, to Sept. 30, 1924, and Apr. 19 to June 9, 1927, water-stage recorder; June 10 to Sept. 30, 1927, and Apr. 11, 1932, to May 8, 1938, nonrecording gage; May 9, 1938, to Apr. 26, 1966, water-stage recorder at site 1.5 mi downstream at different datums. Apr. 27, 1966, to May 8, 1967, at present site, at datum 0.06 ft lower.

REMARKS.--Records fair. Pioneer Canal diverts from left bank of river at diversion dam 100 ft downstream for irrigation in vicinity of Laramie. Records show combined flow of river and canal. Three small reservoirs upstream from station in Wyoming, total capacity, about 600 acre-ft for irrigation, stock water, and domestic use. Diversions for irrigation of about 5,200 acres upstream from station. Transbasin diversions upstream from station to Cache la Poudre River and tributaries. National Weather Service, in cooperation with State of Wyoming, has data collection platform with satellite telemetry at station.

COOPERATION.--Station operated and record provided by the Wyoming State Engineer's Office; record reviewed by U.S. Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	43	302	1020	187	67	51
2	---	---	---	---	---	---	42	288	909	173	65	48
3	---	---	---	---	---	---	32	334	805	170	65	46
4	---	---	---	---	---	---	39	416	756	155	66	43
5	---	---	---	---	---	---	52	564	722	142	64	40
6	---	---	---	---	---	---	67	676	681	135	63	40
7	---	---	---	---	---	---	71	651	668	125	64	41
8	---	---	---	---	---	---	63	622	628	126	59	39
9	---	---	---	---	---	---	70	521	617	129	55	37
10	---	---	---	---	---	---	83	515	618	137	53	35
11	---	---	---	---	---	---	87	673	526	125	52	35
12	---	---	---	---	---	---	94	510	462	116	50	35
13	---	---	---	---	---	---	108	419	424	113	49	35
14	---	---	---	---	---	---	136	400	412	105	48	37
15	---	---	---	---	---	---	156	400	359	99	48	37
16	---	---	---	---	---	---	140	404	354	98	48	35
17	---	---	---	---	---	---	141	488	359	105	53	34
18	---	---	---	---	---	---	163	440	360	116	77	32
19	---	---	---	---	---	---	165	480	297	103	73	30
20	---	---	---	---	---	---	144	537	416	90	63	34
21	---	---	---	---	---	---	159	517	347	82	53	39
22	---	---	---	---	---	---	177	516	271	76	50	54
23	---	---	---	---	---	---	215	588	248	71	49	170
24	---	---	---	---	---	---	236	761	247	66	53	122
25	---	---	---	---	---	---	199	789	240	60	49	95
26	---	---	---	---	---	---	184	852	249	57	49	84
27	---	---	---	---	---	---	213	820	287	62	54	83
28	---	---	---	---	---	---	265	716	267	67	51	81
29	---	---	---	---	---	---	312	848	234	74	49	77
30	---	---	---	---	---	---	359	943	204	71	49	74
31	---	---	---	---	---	---	---	1050	---	68	53	---
TOTAL	---	---	---	---	---	---	4215	18040	13987	3303	1741	1643
MEAN	---	---	---	---	---	---	140	582	466	107	56.2	54.8
MAX	---	---	---	---	---	---	359	1050	1020	187	77	170
MIN	---	---	---	---	---	---	32	288	204	57	48	30
AC-FT	---	---	---	---	---	---	8360	35780	27740	6550	3450	3260

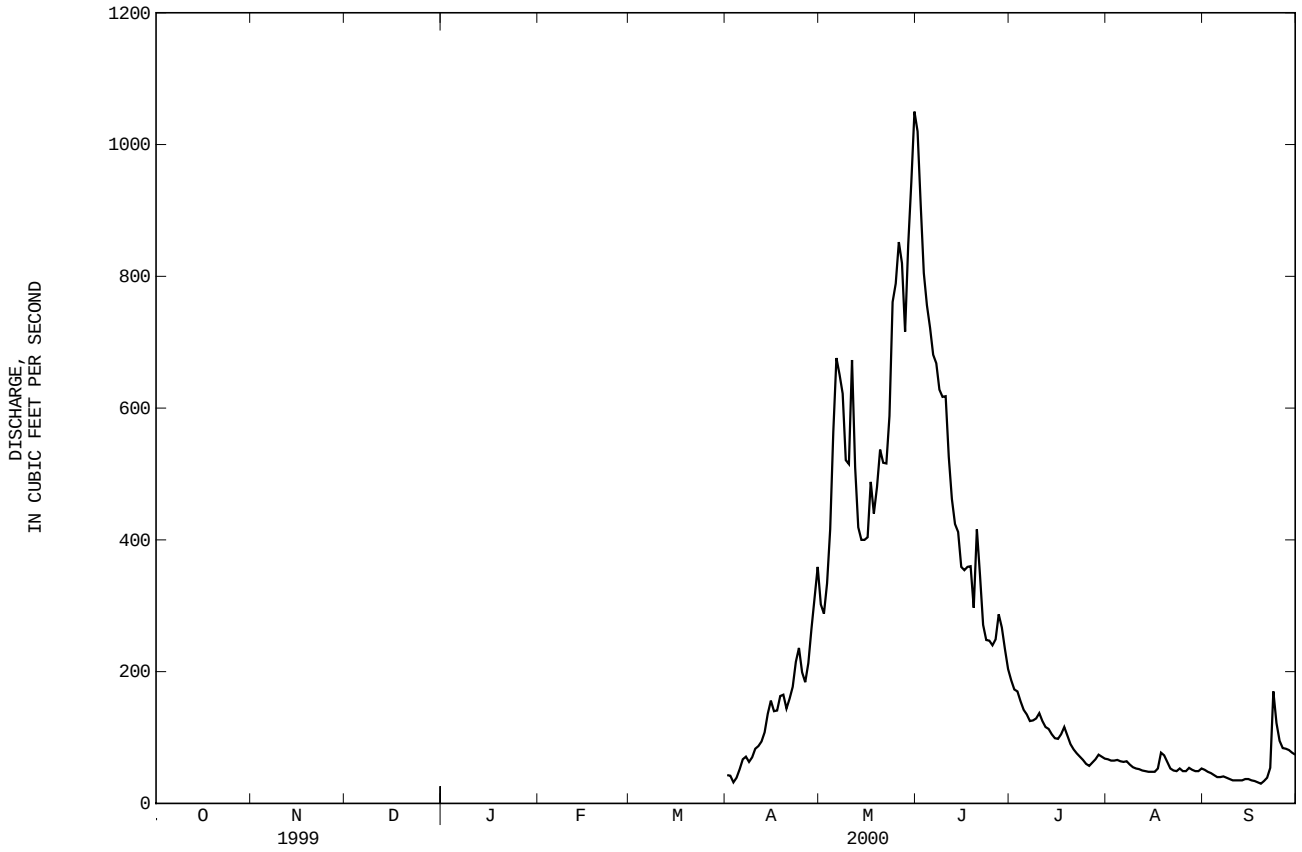
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2000, BY WATER YEAR (WY)*

MEAN	63.4	51.9	42.0	38.5	40.1	51.0	128	560	812	205	80.7	58.5
MAX	160	94.9	77.4	57.1	74.5	84.9	355	1131	2441	1019	194	190
(WY)	1962	1962	1966	1966	1962	1966	1962	1984	1983	1983	1983	1997
MIN	33.7	32.0	28.3	24.3	24.6	27.7	51.7	233	62.9	20.2	24.8	15.1
(WY)	1953	1934	1961	1961	1955	1964	1995	1953	1934	1934	1954	1934

06659500 LARAMIE RIVER AND PIONEER CANAL NEAR WOODS, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1912 - 2000*	
ANNUAL MEAN	--		170	
HIGHEST ANNUAL MEAN	--		319	1957
LOWEST ANNUAL MEAN	--		64.9	1934
HIGHEST DAILY MEAN	1050	May 31	3320	Jun 14 1957
LOWEST DAILY MEAN	30	Sep 19	.00	May 1 1912
INSTANTAN	1090	May 31	5060	Jun 10 1923
ANNUAL RUNOFF (AC-FT)	--		123100	

* During period of operation.



06659580 SAND CREEK AT COLORADO-WYOMING STATE LINE

LOCATION.--Lat 40°59'37", long 105°45'35", in $NW^1/_4$ $NW^1/_4$ $SW^1/_4$ sec.24, T.12 N., R.75 W., Larimer County, CO, Hydrologic Unit 10180010, on right bank 1,200 ft south of Colorado-Wyoming State line and 17 mi southwest of Tie Siding, WY.

DRAINAGE AREA.--29.2 mi^2.

PERIOD OF RECORD.--October 1968 to current year (no winter records since 1971).

GAGE.--Water-stage recorder. Elevation of gage is 7,580 ft above sea level, from topographic map. Prior to July 19, 1977, gage at site 700 ft upstream at different datum.

REMARKS.--Records good. Natural flow affected by diversion upstream from station to Cache la Poudre River basin through Wilson Supply ditch. Water imported upstream from station from Deadman Creek in Laramie River basin is rediverted through Wilson Supply ditch, but is wasted down Sand Creek at times. Diversions for irrigation of about 170 acres upstream from station.

COOPERATION.--Station operated and record provided by the Wyoming State Engineer's Office; record reviewed by U.S. Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	2.4	14	25	4.4	.26	.58
2	---	---	---	---	---	---	2.5	13	23	3.9	.23	.59
3	---	---	---	---	---	---	2.0	11	22	3.4	.36	.40
4	---	---	---	---	---	---	2.2	12	20	3.2	.31	.32
5	---	---	---	---	---	---	4.3	16	18	2.7	.24	.20
6	---	---	---	---	---	---	4.8	28	16	2.2	.23	.21
7	---	---	---	---	---	---	4.7	26	14	2.0	.14	.18
8	---	---	---	---	---	---	3.9	22	12	1.8	.14	.17
9	---	---	---	---	---	---	3.8	19	11	1.8	.09	.17
10	---	---	---	---	---	---	4.6	19	11	2.0	.07	.15
11	---	---	---	---	---	---	4.6	27	9.7	1.8	.06	.11
12	---	---	---	---	---	---	4.3	19	8.3	1.5	.04	.13
13	---	---	---	---	---	---	4.8	14	7.7	1.4	.03	.14
14	---	---	---	---	---	---	5.2	13	7.4	1.2	.03	.14
15	---	---	---	---	---	---	6.5	13	7.4	1.1	.03	.14
16	---	---	---	---	---	---	6.5	22	6.4	1.0	.04	.13
17	---	---	---	---	---	---	6.6	33	7.1	.99	.12	.12
18	---	---	---	---	---	---	5.9	22	9.7	1.4	.18	.10
19	---	---	---	---	---	---	6.2	23	8.4	1.4	.29	.11
20	---	---	---	---	---	---	5.4	30	6.8	1.1	.31	.39
21	---	---	---	---	---	---	7.8	32	7.4	.80	.28	.30
22	---	---	---	---	---	---	6.7	43	5.6	.57	.27	1.6
23	---	---	---	---	---	---	7.0	29	4.2	.45	.21	4.0
24	---	---	---	---	---	---	7.7	36	3.8	.34	.17	4.2
25	---	---	---	---	---	---	8.2	32	3.6	.34	.18	3.1
26	---	---	---	---	---	---	6.5	33	3.7	.28	.35	2.7
27	---	---	---	---	---	---	6.0	30	7.8	.28	.54	2.8
28	---	---	---	---	---	---	6.4	28	10	.28	.41	2.6
29	---	---	---	---	---	---	8.6	31	7.6	.28	.46	2.4
30	---	---	---	---	---	---	17	28	5.7	.31	.57	2.1
31	---	---	---	---	---	---	---	26	---	.32	.65	---
TOTAL	---	---	---	---	---	---	173.1	744	310.3	44.54	7.29	30.28
MEAN	---	---	---	---	---	---	5.77	24.0	10.3	1.44	.24	1.01
MAX	---	---	---	---	---	---	17	43	25	4.4	.65	4.2
MIN	---	---	---	---	---	---	2.0	11	3.6	.28	.03	.10
AC-FT	---	---	---	---	---	---	343	1480	615	88	14	60

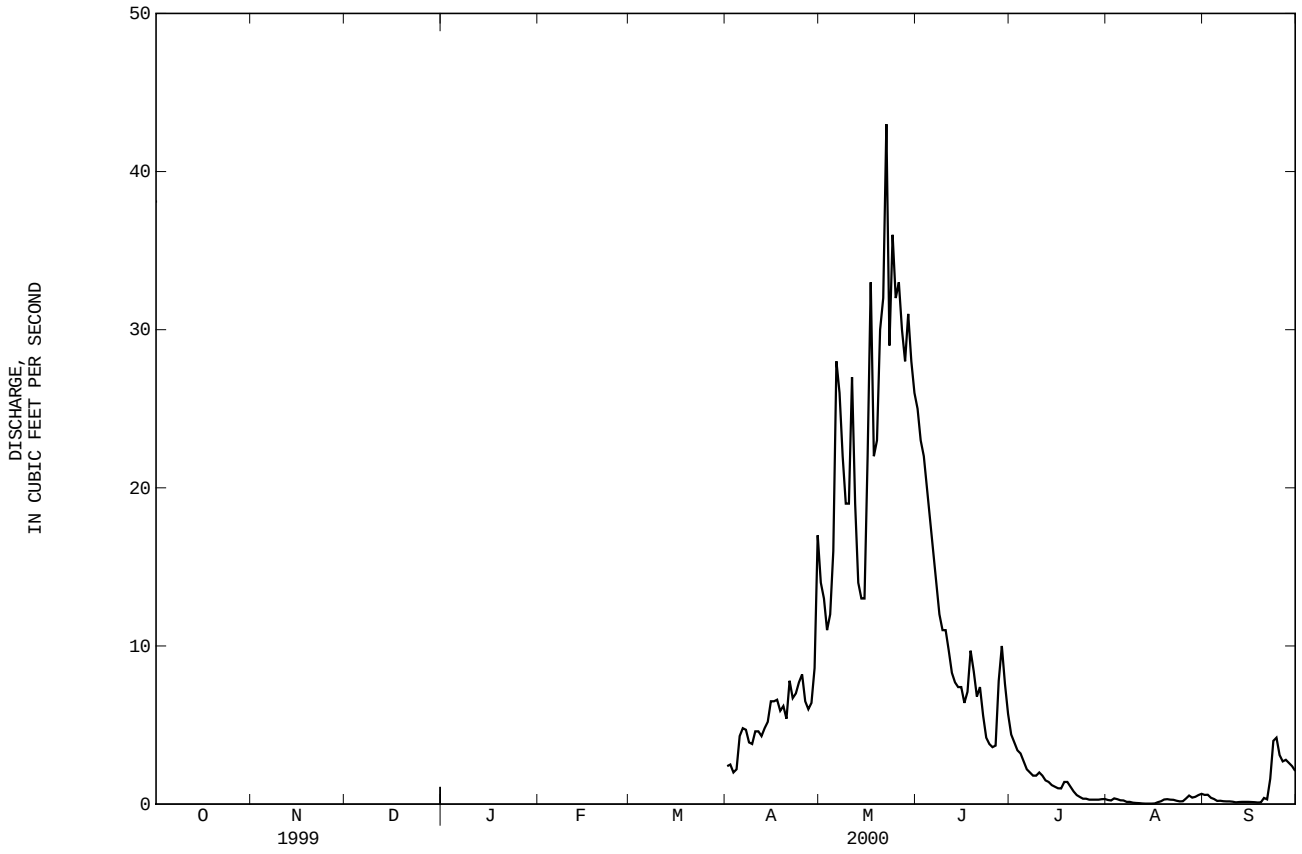
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2000, BY WATER YEAR (WY)*

MEAN	3.13	3.34	2.66	2.27	2.46	2.73	8.65	39.3	51.4	9.58	2.38	1.79
MAX	3.68	4.41	2.97	2.53	3.19	2.85	18.7	95.0	234	72.6	8.58	6.85
(WY)	1971	1971	1971	1971	1971	1971	1986	1984	1983	1977	1983	1997
MIN	2.75	2.47	2.39	1.83	1.84	2.65	2.90	17.9	6.55	1.33	.24	.32
(WY)	1970	1969	1970	1970	1969	1969	1995	1977	1977	1989	2000	1978

06659580 SAND CREEK AT COLORADO-WYOMING STATE LINE--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1969 - 2000*	
ANNUAL MEAN	--		12.7	
HIGHEST ANNUAL MEAN	--		18.0	1971
LOWEST ANNUAL MEAN	--		6.41	1969
HIGHEST DAILY MEAN	43	May 22	1500	Jul 19 1977
LOWEST DAILY MEAN	.03	Aug 13-15	.03	Aug 13-15 2000
INSTANTANEOUS PEAK FLOW	51	May 22	6710[a]	Jul 19 1977
INSTANTANEOUS PEAK STAGE	1.26	May 22	6.65[b]	Jul 19 1977
INSTANTANEOUS LOW FLOW	--		.13	Jul 26 1972
ANNUAL RUNOFF (AC-FT)	--		9240	

* During period of operation.
a From slope-area measurement of peak flow.
b From floodmarks.



06661000 LITTLE LARAMIE RIVER NEAR FILMORE, WY

LOCATION.--Lat 41°17'42", long 106°02'03", in $SE^1/_4$ $NE^1/_4$ $SE^1/_4$ sec.4, T.15 N., R.77 W., Albany County, Hydrologic Unit 10180010, on right bank 40 ft downstream from State Highway 130, 1.2 mi west of Filmore, and 4.4 mi downstream from North Fork.

DRAINAGE AREA.--157 mi^2. Area at site used prior to Sept. 8, 1976, 156 mi^2.

PERIOD OF RECORD.--July 1902 to September 1903 (published as "near Hatton"), May 1911 to November 1926, October 1932 to current year (no winter records since 1971). Monthly discharge only for some periods, published in WSP 1310.

REVISED RECORDS.--WSP 1310: 1903, 1914, 1922-26. WSP 1440: 1902. WSP 1730: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 7,610 ft above sea level, from topographic map. Prior to Sept. 16, 1938, nonrecording gages, and Sept. 16, 1938 to Sept. 7, 1976, water-stage recorder, at sites 0.7 mi upstream at different datums.

REMARKS.--Records good. At least ten small reservoirs upstream from station, combined capacity, more than 160 acre-ft, for irrigation, stock water, recreation, and domestic use. Diversions upstream from station for irrigation of about 11,020 acres, of which about 20 acres are downstream from station.

COOPERATION.--Station operated and record provided by the Wyoming State Engineer's Office; record reviewed by U.S. Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	31	78	454	69	25	19
2	---	---	---	---	---	---	33	84	367	68	24	18
3	---	---	---	---	---	---	29	104	316	65	23	17
4	---	---	---	---	---	---	31	116	302	60	24	17
5	---	---	---	---	---	---	37	152	290	54	22	17
6	---	---	---	---	---	---	46	194	268	57	21	9.5
7	---	---	---	---	---	---	37	216	249	57	21	4.6
8	---	---	---	---	---	---	28	216	247	57	19	7.8
9	---	---	---	---	---	---	31	189	235	59	18	15
10	---	---	---	---	---	---	33	216	212	59	19	12
11	---	---	---	---	---	---	33	231	185	54	19	4.4
12	---	---	---	---	---	---	31	186	179	50	18	3.7
13	---	---	---	---	---	---	33	161	188	49	18	3.5
14	---	---	---	---	---	---	37	149	188	48	19	3.4
15	---	---	---	---	---	---	45	149	156	45	19	3.4
16	---	---	---	---	---	---	46	152	157	45	25	3.3
17	---	---	---	---	---	---	57	270	153	72	25	3.2
18	---	---	---	---	---	---	45	305	131	62	24	3.2
19	---	---	---	---	---	---	42	242	127	49	24	3.2
20	---	---	---	---	---	---	41	211	183	43	21	15
21	---	---	---	---	---	---	43	211	130	40	20	19
22	---	---	---	---	---	---	44	241	114	37	20	44
23	---	---	---	---	---	---	59	356	108	35	20	43
24	---	---	---	---	---	---	59	654	101	32	19	36
25	---	---	---	---	---	---	49	567	95	29	20	35
26	---	---	---	---	---	---	46	542	99	28	19	35
27	---	---	---	---	---	---	46	459	96	30	20	31
28	---	---	---	---	---	---	60	442	102	31	19	29
29	---	---	---	---	---	---	79	571	88	29	20	28
30	---	---	---	---	---	---	101	617	74	28	20	28
31	---	---	---	---	---	---	---	514	---	26	19	---
TOTAL	---	---	---	---	---	---	1332	8795	5594	1467	644	511.2
MEAN	---	---	---	---	---	---	44.4	284	186	47.3	20.8	17.0
MAX	---	---	---	---	---	---	101	654	454	72	25	44
MIN	---	---	---	---	---	---	28	78	74	26	18	3.2
AC-FT	---	---	---	---	---	---	2640	17440	11100	2910	1280	1010

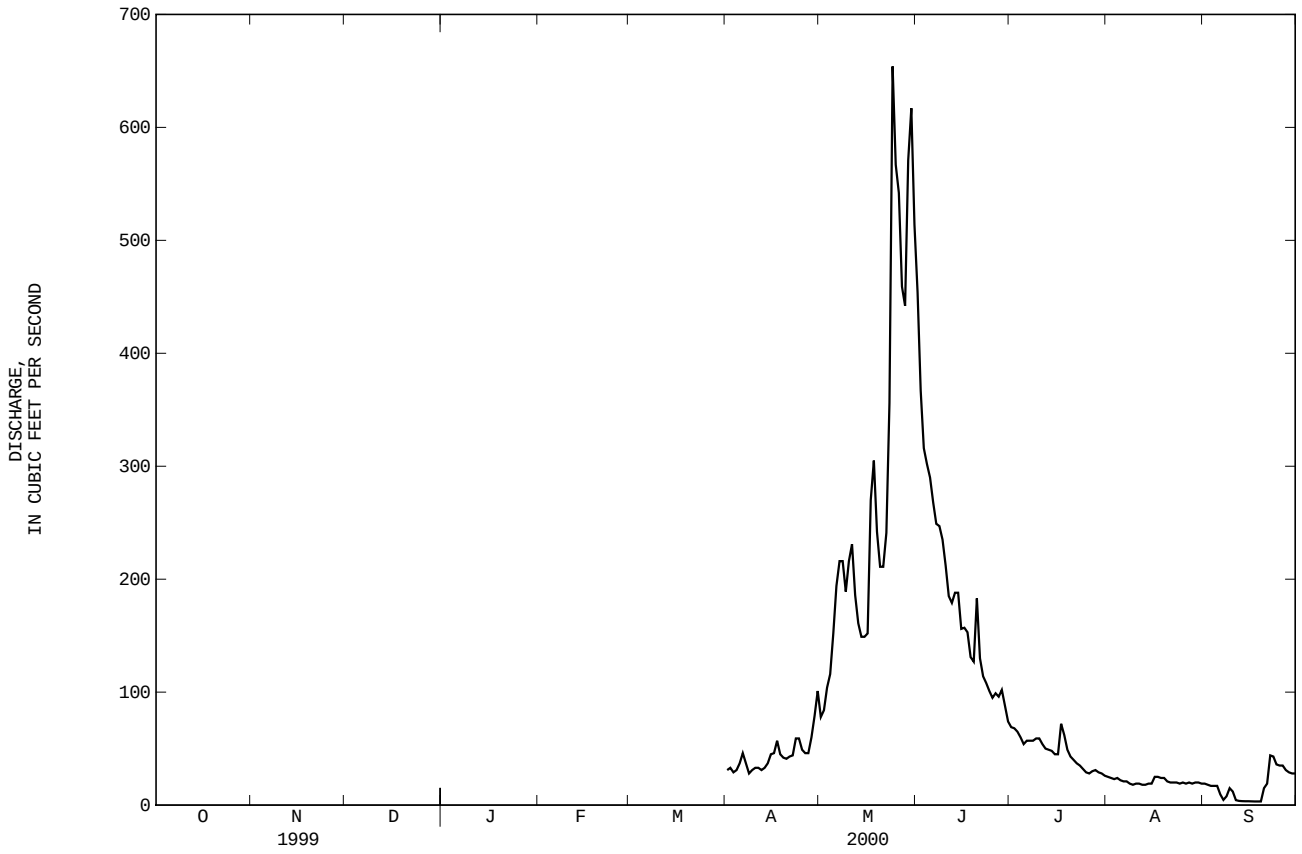
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2000, BY WATER YEAR (WY)*

MEAN	31.1	28.2	23.9	19.6	20.5	26.4	54.0	235	534	161	51.2	29.4
MAX	77.2	50.0	40.0	35.0	53.8	47.9	136	502	1217	572	126	74.7
(WY)	1913	1913	1913	1913	1962	1971	1924	1926	1903	1917	1984	1912
MIN	13.2	10.0	10.0	8.76	8.00	9.97	17.6	69.5	48.3	17.9	12.6	8.80
(WY)	1936	1920	1934	1955	1955	1955	1955	1968	1934	1934	1934	1913

06661000 LITTLE LARAMIE RIVER NEAR FILMORE, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1903 - 2000*		
ANNUAL MEAN	--		103		
HIGHEST ANNUAL MEAN	--		184		1917
LOWEST ANNUAL MEAN	--		32.7		1934
HIGHEST DAILY MEAN	654	May 24	2400	Jun 1	1914
LOWEST DAILY MEAN	3.2	Sep 17-19	1.0	Sep 17-20	1913
INSTANTANEOUS PEAK FLOW	746	May 24	3450	Jun 10	1965
INSTANTANEOUS PEAK STAGE	3.54	May 24	5.33	Jun 10	1965
ANNUAL RUNOFF (AC-FT)	--		74380		

* During period of operation.



06661585 LARAMIE RIVER NEAR BOSLER, WY

LOCATION.--Lat 41°33'17", long 105°40'58", in NW$^1/_4$ NW$^1/_4$ NE$^1/_4$ sec.10, T.18 N., R.74 W., Albany County, Hydrologic Unit 10180010, on left bank 50 ft upstream from bridge on U.S. Highways 30 and 287, 0.2 mi northwest of Bosler Junction, 1.7 mi south of Bosler, and 2.0 mi downstream from Soil Bank Boughton Canal diversion dam.

DRAINAGE AREA.--1,790 mi^2, of which 283 mi^2 probably is noncontributing.

PERIOD OF RECORD.--October 1972 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,030 ft above sea level, from topographic map.

REMARKS.--Records good except those for periods of estimated daily discharge, which are poor. Natural flow of stream affected by transbasin diversions, storage reservoirs, diversion upstream from station for irrigation of about 54,700 acres, of which about 2,300 acres are downstream from station, and return flow from irrigated areas. National Weather Service data collection platform with satellite telemetry at station.

COOPERATION.--Station operated and record provided by the Wyoming State Engineer's Office; record reviewed by U.S. Geological Survey.

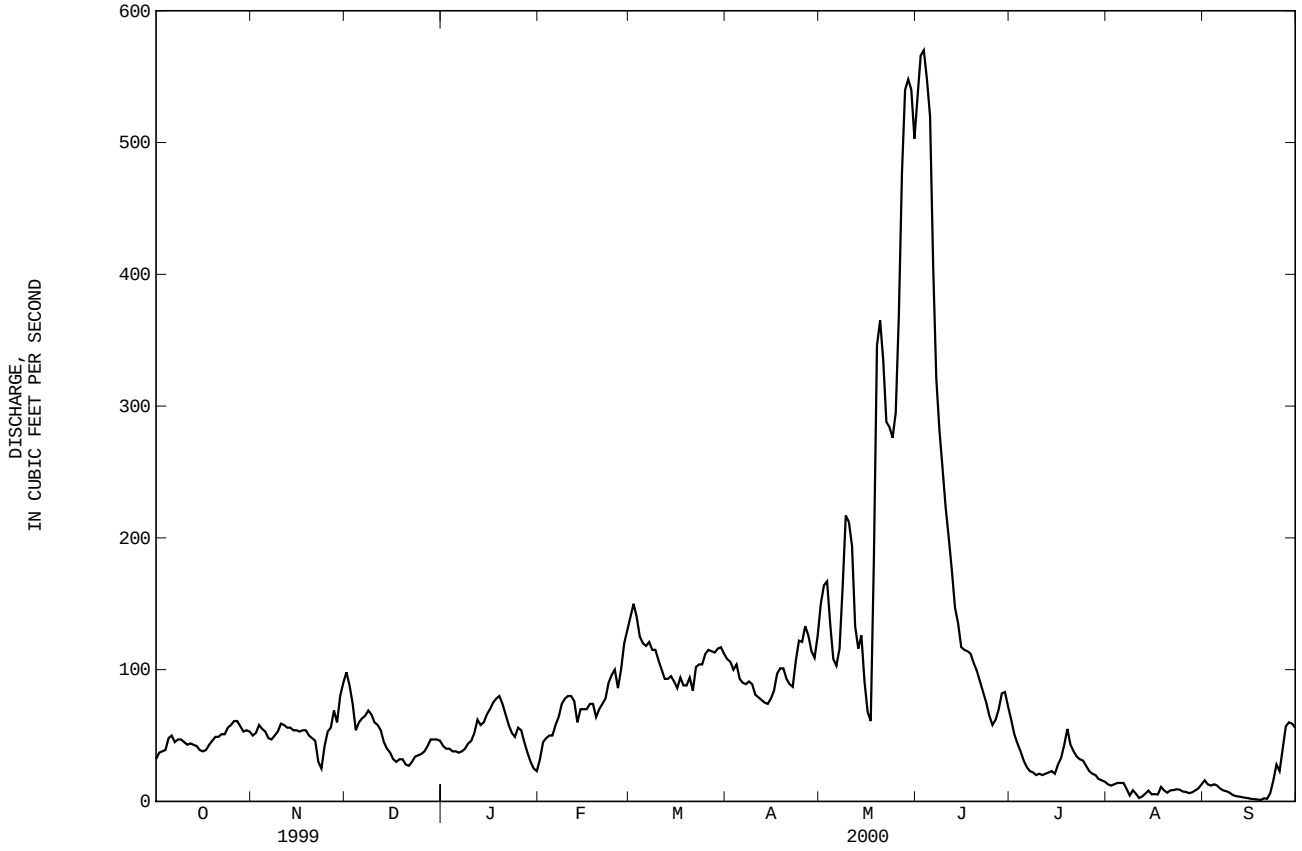
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	e50	e98	e42	e32	e140	108	150	535	62	13	16
2	37	e52	88	e40	e45	e150	106	164	566	51	12	13
3	38	58	e74	e40	e48	e140	100	167	570	44	13	12
4	39	55	e54	e38	e50	e125	104	135	548	38	14	13
5	48	53	e60	e38	e50	e120	93	108	520	31	14	12
6	50	48	e63	e37	e58	e118	90	103	406	26	14	9.7
7	45	47	65	e38	e64	121	89	116	321	23	9.4	8.3
8	47	50	69	e40	e74	115	91	163	282	22	4.5	7.7
9	47	53	e66	e44	e78	115	89	217	253	20	8.5	6.6
10	45	59	e60	e46	e80	107	81	212	223	21	5.7	4.9
11	43	58	e58	e52	e80	100	79	194	200	20	2.6	4.0
12	44	56	e54	e62	e76	93	77	133	175	21	3.8	3.7
13	43	56	e45	e58	e60	93	75	116	147	22	5.9	3.2
14	42	54	e40	e60	e70	95	74	126	135	23	8.2	2.8
15	39	54	e37	e66	e70	91	78	91	117	21	5.4	2.4
16	38	53	e32	e70	e70	86	84	68	115	28	5.5	1.9
17	39	54	e30	e75	e74	94	97	61	114	33	5.3	1.7
18	43	54	e32	e78	e74	88	101	183	112	43	11	1.4
19	46	50	e32	e80	e64	88	101	346	105	55	8.4	1.1
20	49	e48	e28	e74	e70	94	93	365	99	43	6.6	2.3
21	49	e46	e27	e66	e74	84	89	335	91	38	8.4	2.0
22	51	e30	e30	e58	e78	102	87	288	83	34	8.6	6.3
23	51	e25	e34	e52	e90	104	107	284	75	32	9.2	16
24	56	e42	e35	e49	e96	104	122	276	65	31	8.9	28
25	58	53	e36	e56	e100	112	121	295	58	27	7.5	23
26	61	56	e38	e54	e86	115	133	369	62	23	7.2	40
27	61	69	e42	e45	e100	114	126	477	70	21	6.3	57
28	57	60	e47	e37	e120	113	114	540	82	20	6.9	60
29	53	e80	e47	e30	e130	116	109	548	83	17	8.4	59
30	54	e90	e47	e25	---	117	126	540	72	16	10	56
31	53	---	e46	e23	---	112	---	503	---	15	13	---
TOTAL	1458	1613	1514	1573	2161	3366	2944	7673	6284	921	265.2	475.0
MEAN	47.0	53.8	48.8	50.7	74.5	109	98.1	248	209	29.7	8.55	15.8
MAX	61	90	98	80	130	150	133	548	570	62	14	60
MIN	32	25	27	23	32	84	74	61	58	15	2.6	1.1
AC-FT	2890	3200	3000	3120	4290	6680	5840	15220	12460	1830	526	942
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2000, BY WATER YEAR (WY)												
MEAN	58.6	76.7	57.6	48.1	58.2	109	156	287	730	258	82.2	32.0
MAX	196	155	101	92.7	120	209	531	1198	2512	1529	428	140
(WY)	1985	1987	1984	1986	1986	1986	1984	1984	1983	1983	1984	1984
MIN	3.26	7.37	8.09	18.8	29.8	44.0	10.3	17.0	86.4	9.45	4.43	.96
(WY)	1993	1995	1995	1991	1989	1995	1995	1990	1994	1994	1994	1994

06661585 LARAMIE RIVER NEAR BOSLER, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1973 - 2000	
ANNUAL TOTAL	60671.1		30247.2		--	
ANNUAL MEAN	166		82.6		163	
HIGHEST ANNUAL MEAN	--		--		475	1983
LOWEST ANNUAL MEAN	--		--		39.4	1977
HIGHEST DAILY MEAN	888	Jun 3	570	Jun 3	4390	Jun 28 1983
LOWEST DAILY MEAN	6.9	Sep 14	1.1	Sep 19	.00	Oct 10 1987
ANNUAL SEVEN-DAY MINIMUM	8.9	Sep 10	1.8	Sep 15	.03	Oct 9 1987
INSTANTANEOUS PEAK FLOW	--		578	Jun 3	4480[a]	Jun 11 1986
INSTANTANEOUS PEAK STAGE	--		3.17	Jun 3	8.40[b]	Apr 22 1973
ANNUAL RUNOFF (AC-FT)	120300		60000		117800	
10 PERCENT EXCEEDS	525		140		370	
50 PERCENT EXCEEDS	80		56		66	
90 PERCENT EXCEEDS	31		9.1		15	

a Gage height, 7.39 ft.
b Ice jam.
e Estimated.



06664400 SYBILLE CREEK ABOVE MULE CREEK, NEAR WHEATLAND, WY

LOCATION.--Lat 41°50'39", long l05°13'15", in NE$^1/_4$ SW$^1/_4$ SE$^1/_4$ sec.27, T.22 N., R.70 W., Platte County, Hydrologic Unit 10180011, on right bank just upstream from bridge on U.S. Highway 34, 900 ft upstream from Mule Creek, 2.9 mi upstream from Bluegrass Creek, and 20 mi southwest of Wheatland.

DRAINAGE AREA.--194 mi^2.

PERIOD OF RECORD.--April 1974 to current year (no winter records).

GAGE.--Water-stage recorder. Elevation of gage is 5,340 ft above sea level, from topographic map.

REMARKS.--Records good. Seven small diversions upstream from station, combined capacity, about 400 acre-ft, for irrigation. Diversions upstream from station for irrigation of about 2,020 acres, of which about 80 acres are downstream from station.

COOPERATION.--Station operated and record provided by the Wyoming State Engineer's Office; record reviewed by U.S. Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	6.8	8.4	30	15	3.5	1.9
2	---	---	---	---	---	---	6.8	6.9	29	14	3.1	1.9
3	---	---	---	---	---	---	7.0	6.5	26	14	2.7	1.7
4	---	---	---	---	---	---	6.4	5.5	23	13	3.3	1.8
5	---	---	---	---	---	---	6.6	4.4	23	13	2.8	1.6
6	---	---	---	---	---	---	6.7	4.8	23	12	2.6	1.2
7	---	---	---	---	---	---	6.9	5.1	21	13	2.5	1.0
8	---	---	---	---	---	---	7.6	5.1	20	11	2.5	.99
9	---	---	---	---	---	---	7.1	5.2	19	11	2.7	.90
10	---	---	---	---	---	---	6.8	5.2	19	11	3.0	.93
11	---	---	---	---	---	---	6.9	5.3	18	8.2	3.0	.93
12	---	---	---	---	---	---	6.6	5.1	17	9.3	2.8	.82
13	---	---	---	---	---	---	6.2	5.8	18	8.8	2.1	.73
14	---	---	---	---	---	---	5.7	5.8	18	8.2	1.9	.54
15	---	---	---	---	---	---	6.4	5.6	18	7.7	2.0	.62
16	---	---	---	---	---	---	6.3	5.2	22	7.7	2.5	.42
17	---	---	---	---	---	---	6.0	25	22	8.4	2.0	.34
18	---	---	---	---	---	---	6.5	37	20	8.2	2.1	.22
19	---	---	---	---	---	---	8.0	41	19	6.6	2.0	.34
20	---	---	---	---	---	---	8.2	44	19	5.9	2.0	.86
21	---	---	---	---	---	---	7.6	43	19	8.0	2.3	.92
22	---	---	---	---	---	---	7.8	40	18	7.2	1.6	1.8
23	---	---	---	---	---	---	9.3	36	17	7.4	1.5	3.2
24	---	---	---	---	---	---	9.4	35	16	6.2	1.5	3.7
25	---	---	---	---	---	---	8.4	35	15	6.0	1.3	3.7
26	---	---	---	---	---	---	7.2	34	15	4.9	1.4	3.5
27	---	---	---	---	---	---	7.0	33	16	4.5	1.3	3.2
28	---	---	---	---	---	---	6.4	32	21	3.9	1.4	3.0
29	---	---	---	---	---	---	6.8	32	19	3.7	1.4	2.9
30	---	---	---	---	---	---	9.1	31	17	4.2	1.4	2.9
31	---	---	---	---	---	---	---	31	---	3.7	1.5	---
TOTAL	---	---	---	---	---	---	214.5	618.9	597	265.7	67.7	48.56
MEAN	---	---	---	---	---	---	7.15	20.0	19.9	8.57	2.18	1.62
MAX	---	---	---	---	---	---	9.4	44	30	15	3.5	3.7
MIN	---	---	---	---	---	---	5.7	4.4	15	3.7	1.3	.22
AC-FT	---	---	---	---	---	---	425	1230	1180	527	134	96

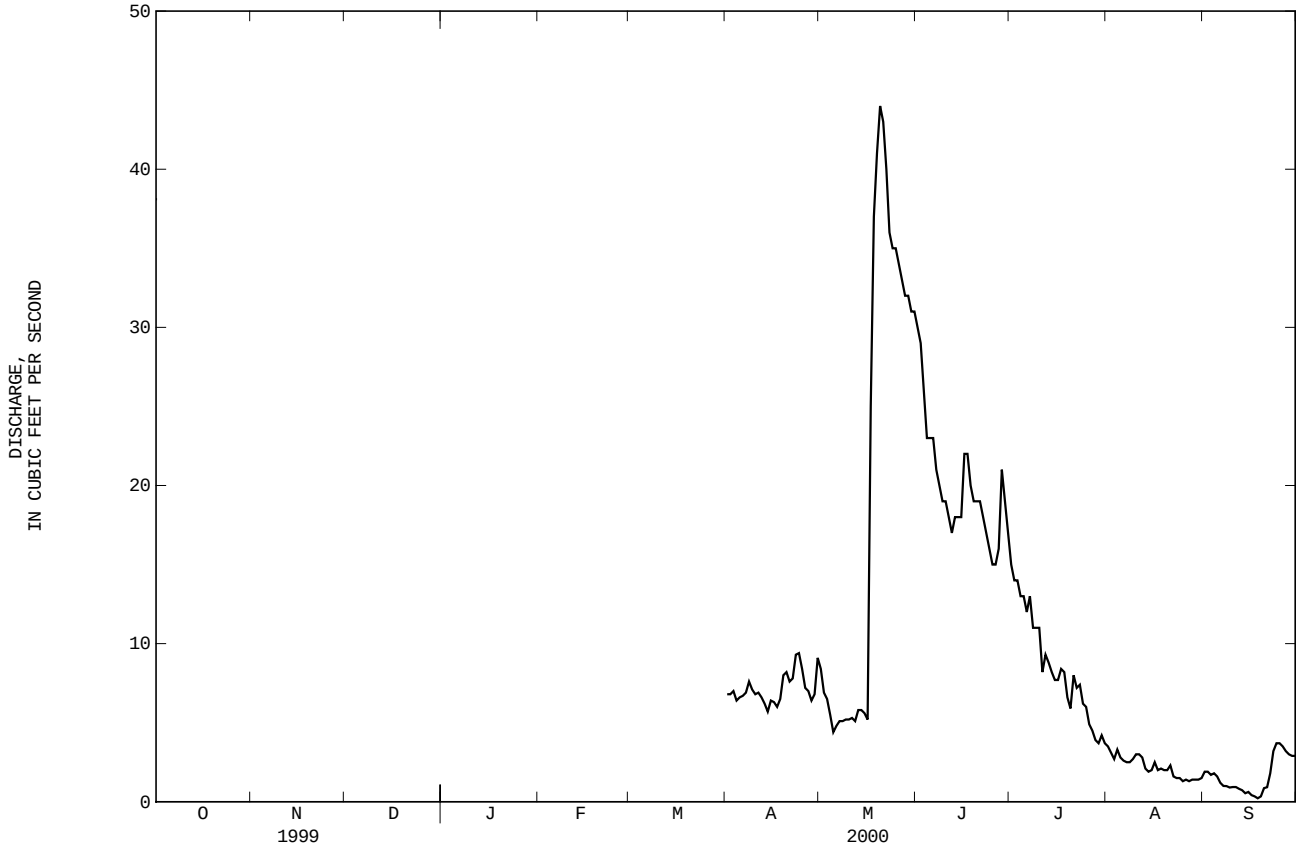
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2000, BY WATER YEAR (WY)*

MEAN	4.24	---	---	---	---	7.75	30.9	66.3	44.9	23.9	13.8	6.24
MAX	4.24	---	---	---	---	7.75	201	533	382	193	62.7	23.3
(WY)	1989	---	---	---	---	1987	1983	1983	1983	1983	1983	1983
MIN	4.24	---	---	---	---	7.75	2.27	4.14	2.67	.89	.65	.92
(WY)	1989	---	---	---	---	1987	1977	1977	1989	1989	1989	1977

06664400 SYBILLE CREEK ABOVE MULE CREEK, NEAR WHEATLAND, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1974 - 2000*	
HIGHEST DAILY MEAN	44	May 20	1280	Aug 20 1990
LOWEST DAILY MEAN	.22	Sep 18	.22[a]	Sep 18 2000
INSTANTANEOUS PEAK FLOW	129	May 17	19900[a]	Aug 20 1990
INSTANTANEOUS PEAK STAGE	2.92	May 17	15.60[b]	Aug 20 1990

* During period of operation.
a On basis of slope-area measurement of peak flow at site 1.2 mi upstream.
b From floodmarks.



06665790 SYBILLE CREEK ABOVE CANAL NO. 3, NEAR WHEATLAND, WY

LOCATION.--Lat 41°54'40", long 105°07'36", in NW$^1/_4$ SW$^1/_4$ NE$^1/_4$ sec.4, T.22 N., R.69 W., Platte County, Hydrologic Unit 10180011, on right bank 100 ft upstream from State Highway 34, 200 ft downstream from Deadhead Creek, 2.7 mi upstream from Canal No. 3, and 19.7 mi southwest of Wheatland.

PERIOD OF RECORD.--April 1980 to current year (no winter records).

GAGE.--Water-stage recorder. Elevation of gage is 5,040 ft above sea level, from topographic map.

REMARKS.--Records good. Most of flow during irrigation season is water released from Wheatland Reservoir No. 2, capacity 98,930 acre-ft, on the Laramie River and diverted down Bluegrass Creek for irrigation of land near Wheatland. Diversions for irrigation of about 4,400 acres upstream from station.

COOPERATION.--Station operated and record provided by the Wyoming State Engineer's Office; record reviewed by U.S. Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	14	19	48	34	53	37
2	---	---	---	---	---	---	14	19	33	49	63	54
3	---	---	---	---	---	---	15	19	32	57	72	36
4	---	---	---	---	---	---	14	16	31	35	71	35
5	---	---	---	---	---	---	13	15	32	31	67	33
6	---	---	---	---	---	---	13	14	30	31	85	28
7	---	---	---	---	---	---	12	14	28	30	67	25
8	---	---	---	---	---	---	8.1	13	38	31	25	26
9	---	---	---	---	---	---	8.8	56	47	31	26	32
10	---	---	---	---	---	---	14	92	49	46	25	56
11	---	---	---	---	---	---	13	91	51	54	24	43
12	---	---	---	---	---	---	11	88	51	53	24	42
13	---	---	---	---	---	---	9.8	79	97	53	22	49
14	---	---	---	---	---	---	9.6	82	97	51	22	48
15	---	---	---	---	---	---	10	62	103	70	22	29
16	---	---	---	---	---	---	10	48	134	97	24	32
17	---	---	---	---	---	---	11	105	86	105	22	21
18	---	---	---	---	---	---	12	246	61	105	27	17
19	---	---	---	---	---	---	11	104	52	98	29	16
20	---	---	---	---	---	---	12	85	52	107	31	17
21	---	---	---	---	---	---	17	85	43	114	32	15
22	---	---	---	---	---	---	18	75	34	95	34	16
23	---	---	---	---	---	---	19	63	33	71	32	17
24	---	---	---	---	---	---	19	53	33	66	39	17
25	---	---	---	---	---	---	19	25	30	64	51	15
26	---	---	---	---	---	---	18	52	32	62	71	15
27	---	---	---	---	---	---	18	77	37	60	65	14
28	---	---	---	---	---	---	18	73	77	59	54	13
29	---	---	---	---	---	---	18	75	72	57	32	12
30	---	---	---	---	---	---	20	74	53	57	28	11
31	---	---	---	---	---	---	---	58	---	56	30	---
TOTAL	---	---	---	---	---	---	419.3	1977	1596	1929	1269	821
MEAN	---	---	---	---	---	---	14.0	63.8	53.2	62.2	40.9	27.4
MAX	---	---	---	---	---	---	20	246	134	114	85	56
MIN	---	---	---	---	---	---	8.1	13	28	30	22	11
AC-FT	---	---	---	---	---	---	832	3920	3170	3830	2520	1630

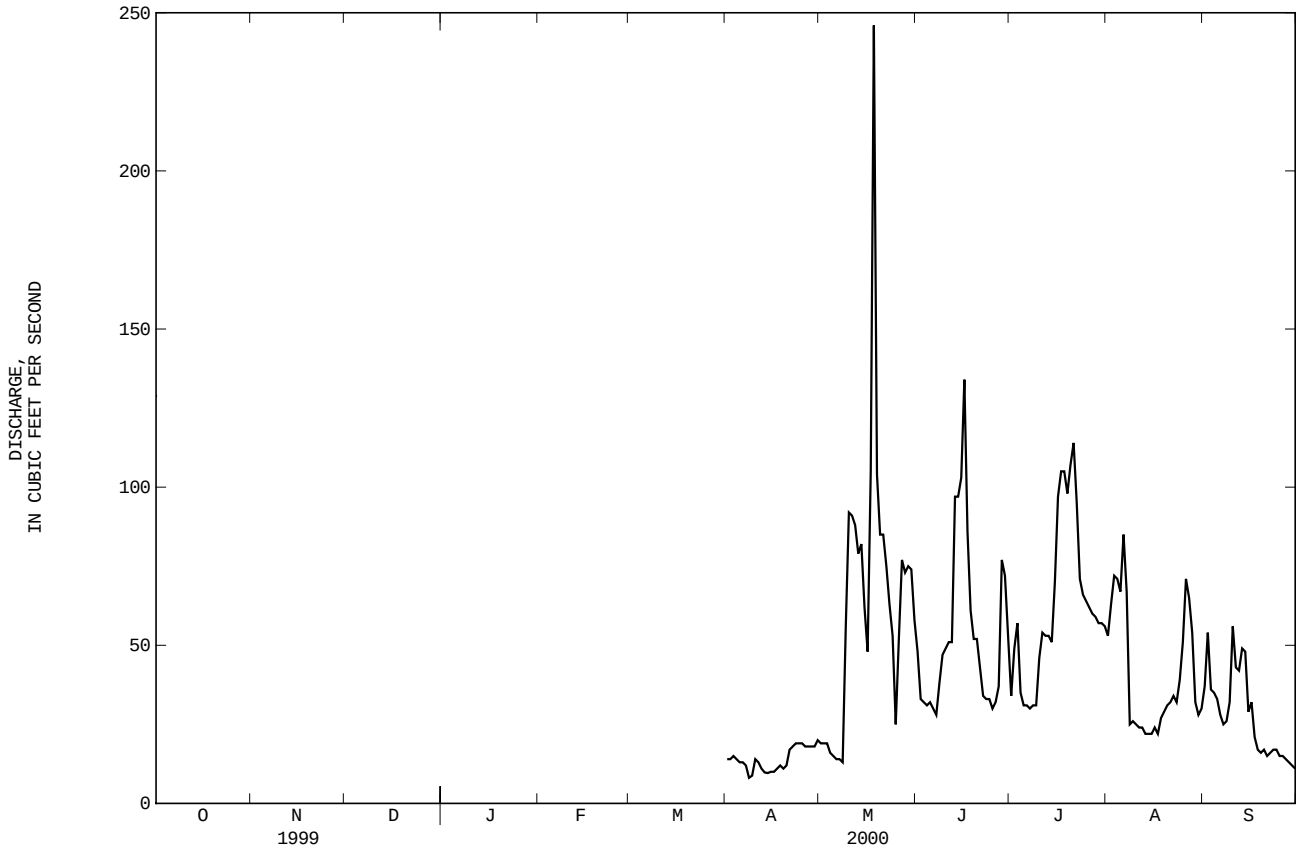
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2000, BY WATER YEAR (WY)*

MEAN	29.0	---	---	---	---	25.5	56.0	112	87.2	87.4	72.9	36.5
MAX	29.0	---	---	---	---	25.5	260	665	347	191	192	68.3
(WY)	1989	---	---	---	---	1987	1983	1983	1983	1983	1983	1983
MIN	29.0	---	---	---	---	25.5	7.85	16.5	20.2	34.5	31.8	3.09
(WY)	1989	---	---	---	---	1987	1982	1989	1992	1992	1981	1989

06665790 SYBILLE CREEK ABOVE CANAL NO. 3, NEAR WHEATLAND, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1980 - 2000*	
HIGHEST DAILY MEAN	246	May 18	1280	May 22 1983
LOWEST DAILY MEAN	8.1	Apr 8	00[a]	Sep 1 1981
INSTANTANEOUS PEAK FLOW	439	May 18	6900[a]	Aug 20 1990
INSTANTANEOUS PEAK STAGE	2.39	May 18	8.35[b]	Aug 20 1990

* During period of operation.
a From rating curve extended above 1,300 ft^3/s on basis of contracted opening measurement of peak flow.
b From floodmarks.



06669050 WHEATLAND CREEK BELOW WHEATLAND, WY

LOCATION.--Lat 42°05'05", long 104°57'02", in SW$^{1}/_{4}$ SW$^{1}/_{4}$ NE$^{1}/_{4}$ sec.1, T.24 N., R.68 W., Platte County, Hydrologic Unit 10180011, 50 ft upstream from bridge on U.S. Highway 87, 50 ft downstream from sewage lagoons, and 1.6 mi north of Wheatland city limits.

PERIOD OF RECORD.--Water years 1983 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
NOV							
04...	1020	6.3	640	107	11.2	8.6	1150
MAR							
01...	1010	5.6	646	108	12.3	8.7	1180
MAY							
18...	1400	63	650	93	8.3	8.3	612
AUG							
16...	1115	.93	649	117	8.9	8.7	1280

DATE	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV							
04...	18.0	6.0	.179	3.96	.023	.057	250
MAR							
01...	10.0	3.0	.408	3.95	.037	.149	190
MAY							
18...	15.0	13.0	.456	.983	.061	.335	>10000
AUG							
16...	29.0	21.0	<.020	2.44	.032	.239	1600

06670500 LARAMIE RIVER NEAR FORT LARAMIE, WY

LOCATION.--Lat 42°12'02", long 104°32'16", in NE$^1/_4$ SE$^1/_4$ NE$^1/_4$ sec.28, T.26 N., R.64 W., Goshen County, Hydrologic Unit 10180011, on right bank 600 ft upstream from bridge on county road, 0.6 mi upstream from mouth, and 1.1 mi southwest of Fort Laramie.

DRAINAGE AREA.--4,564 mi^2, of which 631 mi^2 probably is non-contributing. Drainage area at mouth, 4,565 mi^2.

PERIOD OF RECORD.--April 1915 to current year (no winter records prior to 1927). Monthly discharge only for some periods, published in WSP 1310. Records for water years 1926-39, previously published including diversions to Gering-Fort Laramie Canal, were adjusted to exclude flow in the canal in WSP 1310. Prior to October 1931, published as "at Fort Laramie." No diversion to Gering-Fort Laramie Canal since 1956.

REVISED RECORDS.--WSP 1918: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,220 ft above sea level, from topographic map. Apr. 4, 1915, to Mar. 31, 1925, nonrecording gage at site 0.1 mi downstream at different datum. Apr. 1, 1925, to Sept. 30, 1932, nonrecording gage and Oct. 1, 1932, to Aug. 20, 1935, water-stage recorder at site 4.3 mi upstream at different datum. Aug. 21, 1935, to Nov. 2, 1970, water-stage recorder at site 0.3 mi upstream at different datum. Nov. 3, 1970, to May 9, 1973, water-stage recorder 0.1 mi downstream at different datum. May 10, 1973, to Apr. 5, 1977, water-stage recorder 4.3 mi upstream at different datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Major regulation began after completion of Grey Rocks Reservoir in 1980. Diversion, at times, to Gering-Fort Laramie Canal, 5.4 mi upstream. Natural flow of stream affected by transbasin diversions, storage reservoirs, ground-water withdrawals and diversions for irrigation of about 176,000 acres upstream from station, and return flow from irrigated areas. U.S. Army Corps of Engineers data collection platform with satellite telemetry at station.

COOPERATION.--Two discharge measurements provided by the Wyoming State Engineer's Office.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	53	47	50	e80	94	91	354	252	61	50	56
2	58	50	46	49	81	94	92	342	244	62	51	54
3	54	50	46	49	81	93	90	324	223	64	54	59
4	53	50	47	67	82	94	92	303	211	65	54	57
5	52	50	48	63	81	91	92	286	184	65	52	56
6	52	49	49	60	81	99	88	267	140	66	51	56
7	51	50	50	72	81	90	87	246	125	67	49	55
8	51	50	48	67	e82	98	80	228	111	68	49	55
9	51	50	49	64	e84	94	79	192	102	67	50	54
10	50	50	48	67	e84	95	78	142	85	64	51	51
11	50	50	49	62	e85	98	77	115	76	64	52	51
12	50	50	50	60	e87	98	78	105	79	62	50	51
13	50	50	51	59	e94	95	77	107	79	63	49	50
14	50	50	49	60	e94	98	75	116	72	62	48	49
15	49	50	57	61	e106	98	73	116	70	62	50	43
16	49	50	56	62	85	94	75	112	66	62	52	36
17	49	49	52	63	91	94	76	99	63	64	51	36
18	49	50	51	64	97	93	e80	370	64	58	53	56
19	49	47	48	66	98	96	e103	906	69	52	51	53
20	49	47	47	67	96	94	e103	914	70	62	51	55
21	49	47	49	69	94	97	e106	936	68	61	53	54
22	54	47	49	73	95	97	e110	950	66	59	53	61
23	55	46	49	75	97	97	e130	934	66	58	53	60
24	51	46	49	76	97	97	e160	912	67	57	54	54
25	49	49	48	76	102	95	e290	800	69	59	54	52
26	49	51	48	77	106	95	e360	547	71	58	55	51
27	50	48	48	80	102	95	391	338	73	59	51	49
28	51	46	49	82	97	93	384	276	74	53	45	56
29	53	46	50	82	96	93	376	270	70	52	50	62
30	53	46	49	e81	---	92	365	274	65	47	53	62
31	53	---	53	e80	---	91	---	265	---	45	54	---
TOTAL	1610	1467	1529	2083	2636	2942	4358	12146	3074	1868	1593	1594
MEAN	51.9	48.9	49.3	67.2	90.9	94.9	145	392	102	60.3	51.4	53.1
MAX	77	53	57	82	106	99	391	950	252	68	55	62
MIN	49	46	46	49	80	90	73	99	63	45	45	36
AC-FT	3190	2910	3030	4130	5230	5840	8640	24090	6100	3710	3160	3160

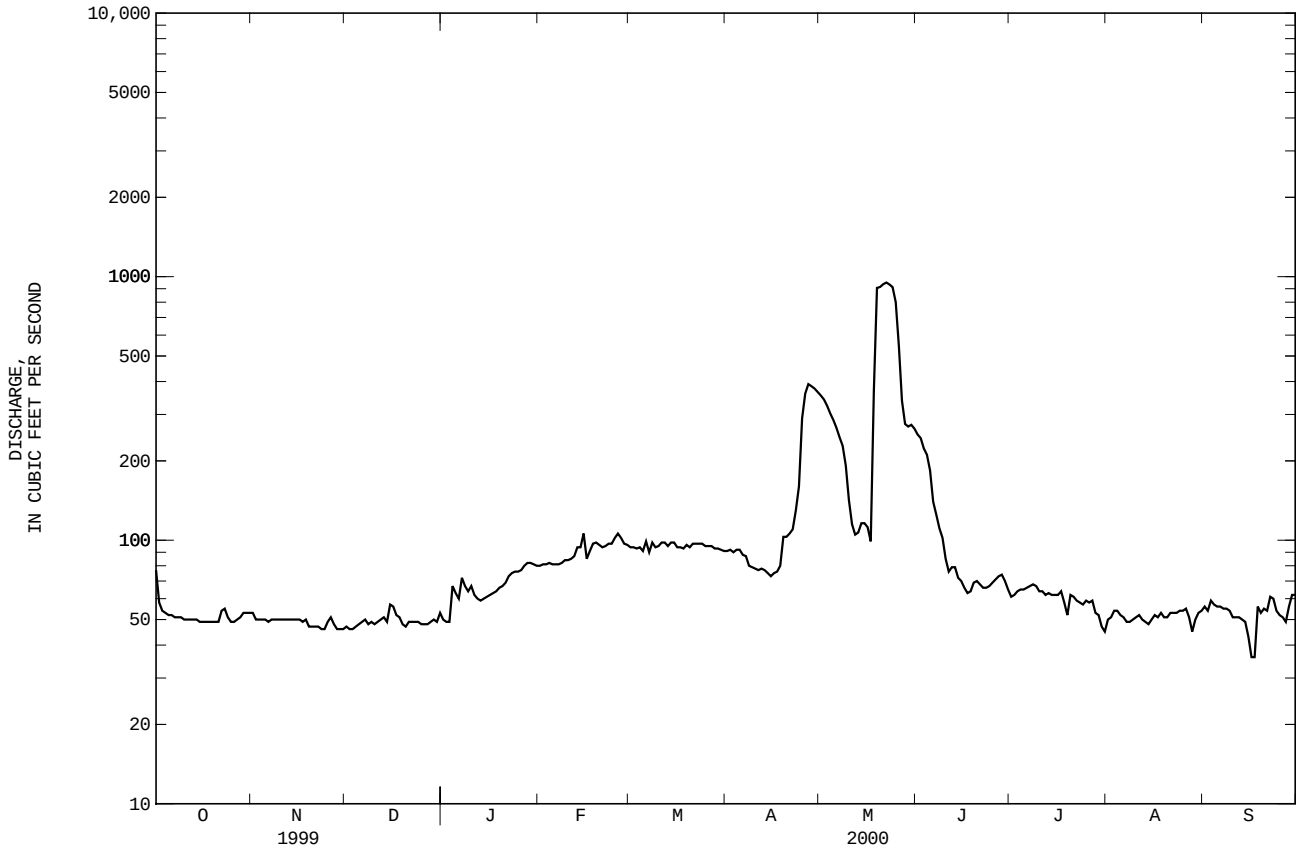
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2000, BY WATER YEAR (WY)

MEAN	70.4	82.3	88.8	87.1	92.1	108	156	398	319	134	65.7	62.7
MAX	350	388	464	360	418	425	1056	3145	2967	1925	390	245
(WY)	1985	1985	1985	1985	1984	1984	1984	1973	1983	1983	1984	1973
MIN	13.9	10.4	6.35	6.32	17.3	21.7	37.5	25.3	17.3	23.1	8.73	15.0
(WY)	1965	1981	1981	1981	1981	1983	1981	1963	1966	1966	1975	1964

06670500 LARAMIE RIVER NEAR FORT LARAMIE, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1957 - 2000	
ANNUAL TOTAL	46867		36900		--	
ANNUAL MEAN	128		101		139	
HIGHEST ANNUAL MEAN	--		--		672	1983
LOWEST ANNUAL MEAN	--		--		26.1	1981
HIGHEST DAILY MEAN	1000	May 4,5	950	May 22	5810	May 10 1973
LOWEST DAILY MEAN	42	Jan 2	36	Sep 16,17	2.0[a]	Jan 23 1981
ANNUAL SEVEN-DAY MINIMUM	44	Jan 1	45	Sep 11	3.1	Jan 21 1981
INSTANTANEOUS PEAK FLOW	--		988	May 22	6260	May 10 1973#
INSTANTANEOUS PEAK STAGE	--		5.13	May 22	9.40[b]	May 10 1973#
ANNUAL RUNOFF (AC-FT)	92960		73190		100600	
10 PERCENT EXCEEDS	338		141		223	
50 PERCENT EXCEEDS	55		63		65	
90 PERCENT EXCEEDS	46		49		30	

\# For period of record, 1915-2000.
a No flow Jan. 31 to Mar. 20, Oct. 24 to Dec. 17, 1926, Mar.1-26, 1927, Apr. 14, 1938; all flow diverted by Gering-Fort Laramie Canal.
b Site and datum then in use.
e Estimated.



06674500 NORTH PLATTE RIVER AT WYOMING-NEBRASKA STATE LINE

LOCATION.--Lat 41°59'19", long 104°03'10", in $SE^1/_4$ $SE^1/_4$ $SE^1/_4$ sec.3, T.23 N., R.60 W., Goshen County, Hydrologic Unit 10180009, on right bank 2000 ft upstream from bridge on NE State Highway 86, 250 ft upstream from Wyoming-Nebraska State line, and 0.7 mi southeast of Henry, NE.

DRAINAGE AREA.--22,218 mi^2, of which 1,929 mi^2 probably is non-contributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1929 to current year.

REVISED RECORDS.--WDR WY-76-1: Drainage area.

GAGE.--Water-stage recorder. Sheet-piling control since Mar. 9, 1994. Datum of gage is 4,025 ft above sea level, from topographic map. Prior to Nov. 6, 1929, non-recording gage and Nov. 6, 1929, to Sept. 30, 1959, water-stage recorder at site 0.2 mi upstream at different datum. Oct. 7, 1959 to Feb. 22, 1972 water-stage recorder at site 0.2 mi upstream at different datum. Feb. 22, 1972 to Mar. 9, 1994, water-stage recorder at site 0.3 mi downstream at different datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, transbasin diversions, power development, ground-water withdrawals and diversions for irrigation, and return flow from irrigated areas. Gering-Mitchell Canal diverts from right bank 0.5 mi upstream. U.S. Army Corps of Engineers data collection platform with satellite telemetry at station.

COOPERATION.--Seven discharge measurements provided by Wyoming State Engineer's Office.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	647	307	250	217	228	234	204	693	1110	1310	1300	1160
2	601	301	247	220	228	232	204	799	1100	1320	1310	1070
3	551	300	247	219	231	232	200	726	1090	1330	1350	959
4	513	300	243	e220	222	229	198	687	1020	1340	1390	889
5	490	295	240	219	222	222	198	732	1030	1370	1350	842
6	468	292	239	225	224	220	198	744	894	1400	1380	798
7	456	290	239	216	224	222	195	794	625	1400	1380	716
8	444	291	239	216	225	250	271	737	514	1380	1330	698
9	432	289	236	220	225	241	542	686	535	1370	1310	706
10	418	285	236	224	225	245	701	621	600	1350	1360	699
11	410	286	236	216	225	240	798	632	645	1540	1280	681
12	402	284	240	214	226	239	891	621	650	1490	1300	679
13	395	284	240	208	230	239	892	599	771	1520	1320	666
14	385	284	238	213	229	237	713	598	865	1460	1340	619
15	379	283	242	213	235	232	627	610	888	1390	1300	604
16	376	278	232	211	235	234	527	585	960	1380	1280	587
17	371	276	236	214	240	232	469	638	1070	1410	1260	578
18	366	278	234	212	240	230	451	865	1090	1470	1290	574
19	361	271	229	221	239	225	532	972	1140	1430	1330	624
20	353	269	223	215	237	242	464	1180	1260	1370	1330	756
21	348	268	222	213	234	240	412	1230	1340	1360	1330	700
22	341	267	220	215	233	232	376	1250	1360	1280	1340	665
23	340	265	218	216	233	232	350	1460	1390	1220	1330	632
24	336	262	218	218	234	229	337	1800	1420	1200	1310	585
25	331	261	218	224	242	225	332	1810	1490	1200	1260	529
26	324	258	218	225	240	223	365	1650	1550	1200	1240	470
27	319	254	217	225	239	215	422	1450	1490	1260	1230	643
28	316	254	215	230	242	211	451	1300	1490	1280	1200	916
29	315	254	213	235	238	211	473	1230	1380	1250	1170	992
30	312	253	212	236	---	209	540	1230	1340	1280	1120	747
31	308	---	212	231	---	205	---	1160	---	1310	1080	---
TOTAL	12408	8339	7149	6801	6725	7109	13333	30089	32107	41870	40100	21784
MEAN	400	278	231	219	232	229	444	971	1070	1351	1294	726
MAX	647	307	250	236	242	250	892	1810	1550	1540	1390	1160
MIN	308	253	212	208	222	205	195	585	514	1200	1080	470
AC-FT	24610	16540	14180	13490	13340	14100	26450	59680	63680	83050	79540	43210

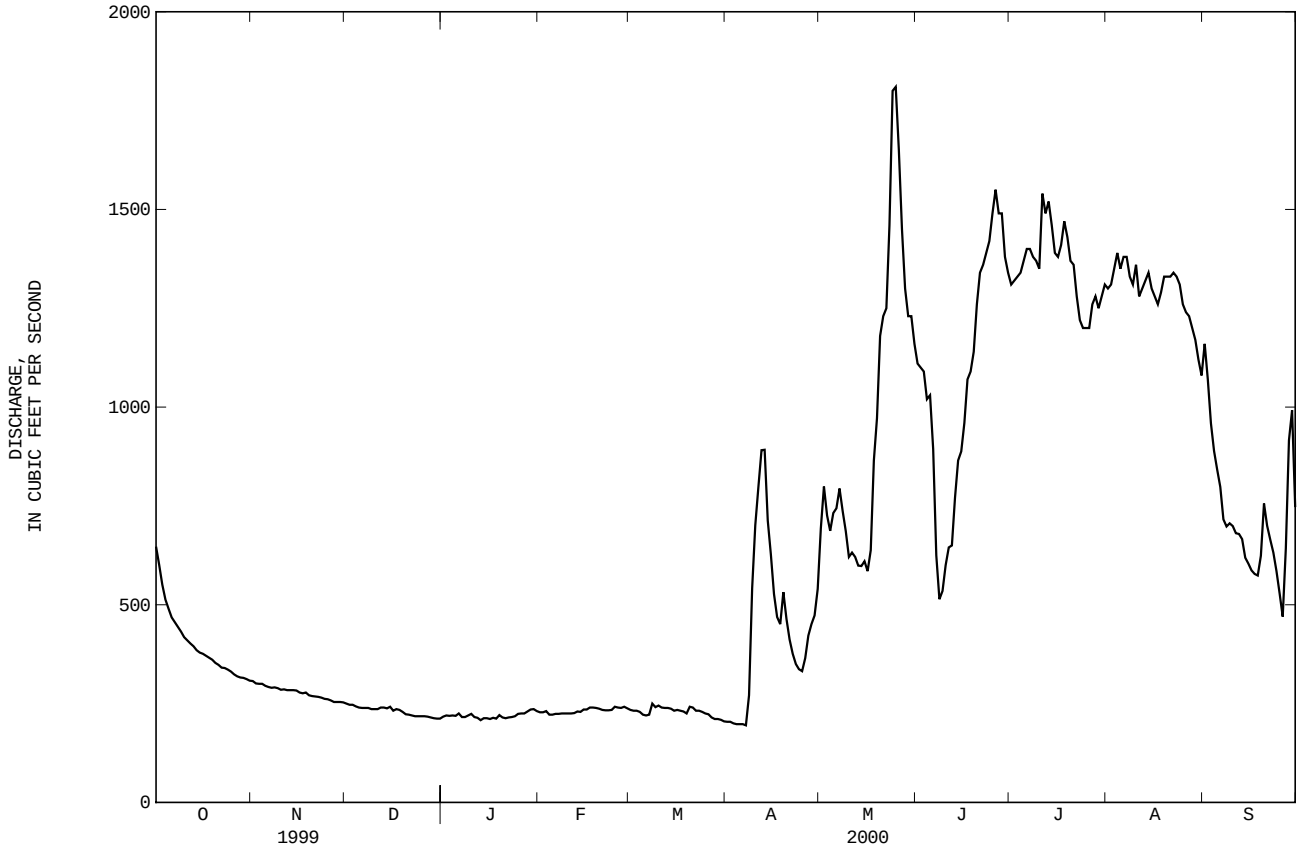
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2000, BY WATER YEAR (WY)

MEAN	507	422	373	331	336	509	668	1202	1694	1552	1269	866
MAX	1666	1454	895	751	1063	4202	4407	7226	10360	7170	5751	4766
(WY)	1987	1987	1930	1930	1984	1974	1974	1971	1929	1983	1983	1983
MIN	150	174	191	166	148	141	141	43.9	49.1	611	154	230
(WY)	1957	1935	1991	1993	1993	1991	1991	1990	1992	1934	1934	1934

06674500 NORTH PLATTE RIVER AT WYOMING-NEBRASKA STATE LINE--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1929 - 2000	
ANNUAL TOTAL	469262		227814		--	
ANNUAL MEAN	1286		622		795	
HIGHEST ANNUAL MEAN	--		--		2863	1984
LOWEST ANNUAL MEAN	--		--		388	1992
HIGHEST DAILY MEAN	4350	Jul 3	1810	May 25	17600	Jun 2 1929
LOWEST DAILY MEAN	160	Jan 3	195	Apr 7	3.9	May 13 1992
ANNUAL SEVEN-DAY MINIMUM	184	Mar 25	200	Apr 1	4.4	Jun 20 1992
INSTANTANEOUS PEAK FLOW	--		1910	May 24	17900[a]	Jun 2 1929
INSTANTANEOUS PEAK STAGE	--		3.55	May 24	7.04[b]	Jun 2 1929
ANNUAL RUNOFF (AC-FT)	930800		451900		575600	
10 PERCENT EXCEEDS	3980		1340		1470	
50 PERCENT EXCEEDS	490		390		488	
90 PERCENT EXCEEDS	203		218		210	

a Maximum observed.
b Site and datum then in use.
e Estimated.



06674500 NORTH PLATTE RIVER AT WYOMING-NEBRASKA STATE LINE--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)
OCT								
26...	1455	323	660	114	11.1	8.0	917	23.0
MAR								
09...	1435	239	663	103	11.3	8.1	878	.0
MAY								
24...	0735	1790	663	88	7.4	8.2	695	15.0
AUG								
11...	0900	1290	660	92	7.0	8.1	663	26.0

DATE	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT							
26...	10.0	<.020	2.02	.028	<.010	55	48
MAR							
09...	5.5	.062	1.80	.019	.010	17	11
MAY							
24...	17.0	<.020	.155	<.010	<.010	3260	15700
AUG							
11...	21.5	<.020	.338	<.010	<.010	224	780

06755960 CROW CREEK AT 19TH STREET, AT CHEYENNE, WY

LOCATION.--Lat 41°07'52", long 104°49'41", in $NW^1/_4$ $NW^1/_4$ $NW^1/_4$ sec.6, T.13 N., R.66 W., Laramie County, Hydrologic Unit 10190009, on right bank at upstream side of 19th Street, at Cheyenne, and 0.5 mi upstream from Clear Creek.

DRAINAGE AREA.--257 mi^2.

PERIOD OF RECORD.--October 1993 to current year.

REVISED RECORDS.--WDR WY-96-1: 1994; WDR WY-99-1: 1997.

GAGE.--Water-stage recorder. Elevation of gage is 6,050 ft above sea level, from topographic map.

REMARKS.--Records poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 20, 1904, stage unknown, estimated 8,500 ft^3/s; flood of August 1, 1985, reached a stage of 9.6 ft, present datum, from floodmarks, discharge, 2,980 ft^3/s, on basis of indirect measurement of peak flow.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	10	13	e9.6	e10	12	13	4.0	1.4	1.1	.51	.59
2	12	11	13	e9.2	11	12	14	3.1	1.2	.83	.43	.65
3	12	10	13	e8.8	e10	12	12	2.6	1.1	.84	3.5	.50
4	12	11	e12	e9.0	e8.8	12	12	2.5	1.0	.85	1.0	.50
5	12	11	e11	e9.0	e9.0	12	11	2.3	1.0	1.3	.61	1.4
6	12	11	12	e9.0	e9.4	13	11	1.9	.95	.82	.49	1.2
7	12	11	12	e9.2	e9.6	13	11	1.9	.84	.56	.50	.96
8	12	11	11	e9.4	e10	13	11	2.9	.76	.53	.38	.94
9	12	11	e10	e9.0	11	13	11	2.4	.75	.52	.42	.55
10	12	10	e11	e9.0	11	13	10	2.0	.73	2.9	.46	.49
11	11	10	e11	e9.4	e9.6	12	10	2.0	.68	10	.63	.46
12	11	10	e11	e9.0	e9.8	12	9.8	1.9	.64	3.8	.52	.48
13	12	10	e11	e8.8	e10	12	8.6	2.5	.81	1.4	.54	.47
14	11	10	e10	e9.2	e11	12	8.2	2.5	.78	.66	.51	.48
15	11	10	e10	e9.8	e11	12	8.1	2.5	.63	.52	6.4	.52
16	12	10	e11	e9.6	e10	12	7.8	2.9	.79	.50	9.0	.50
17	11	10	e12	e9.4	e9.4	12	7.6	10	.83	.54	15	.46
18	11	9.9	e11	e9.2	e9.0	12	7.1	9.0	.71	.56	3.8	.44
19	11	10	e11	e9.0	e9.2	11	6.7	6.0	.69	.57	1.7	3.4
20	11	10	e10	e9.0	e10	12	6.4	4.3	.62	.53	1.1	2.7
21	11	9.8	e9.4	e9.4	e11	12	6.1	3.0	.55	.52	.97	3.1
22	11	11	e9.0	e9.2	12	13	6.1	2.4	.58	.51	.96	8.4
23	11	9.6	e9.0	e9.2	12	14	6.2	2.0	.84	.46	.81	3.0
24	11	e9.6	e9.4	e9.4	12	14	6.7	1.9	.70	.47	.83	7.0
25	11	9.5	e10	e9.2	11	14	7.1	1.9	.74	.43	1.3	3.5
26	11	11	e9.6	e9.4	e9.6	14	6.9	1.9	.75	.47	1.5	3.3
27	11	13	e9.6	e9.2	e10	14	6.4	1.7	2.7	6.1	2.0	2.9
28	11	15	e10	e9.2	12	14	4.5	1.6	1.5	4.0	.88	2.5
29	11	14	e11	e9.0	12	14	7.0	1.5	.90	1.0	.76	2.4
30	10	13	e10	e9.2	---	15	5.4	1.3	.92	.60	.73	2.0
31	11	---	e10	e9.6	---	13	---	1.6	---	.48	.70	---
TOTAL	352	322.4	333.0	285.6	300.4	395	258.7	90.0	27.09	44.37	58.94	55.79
MEAN	11.4	10.7	10.7	9.21	10.4	12.7	8.62	2.90	.90	1.43	1.90	1.86
MAX	12	15	13	9.8	12	15	14	10	2.7	10	15	8.4
MIN	10	9.5	9.0	8.8	8.8	11	4.5	1.3	.55	.43	.38	.44
AC-FT	698	639	661	566	596	783	513	179	54	88	117	111

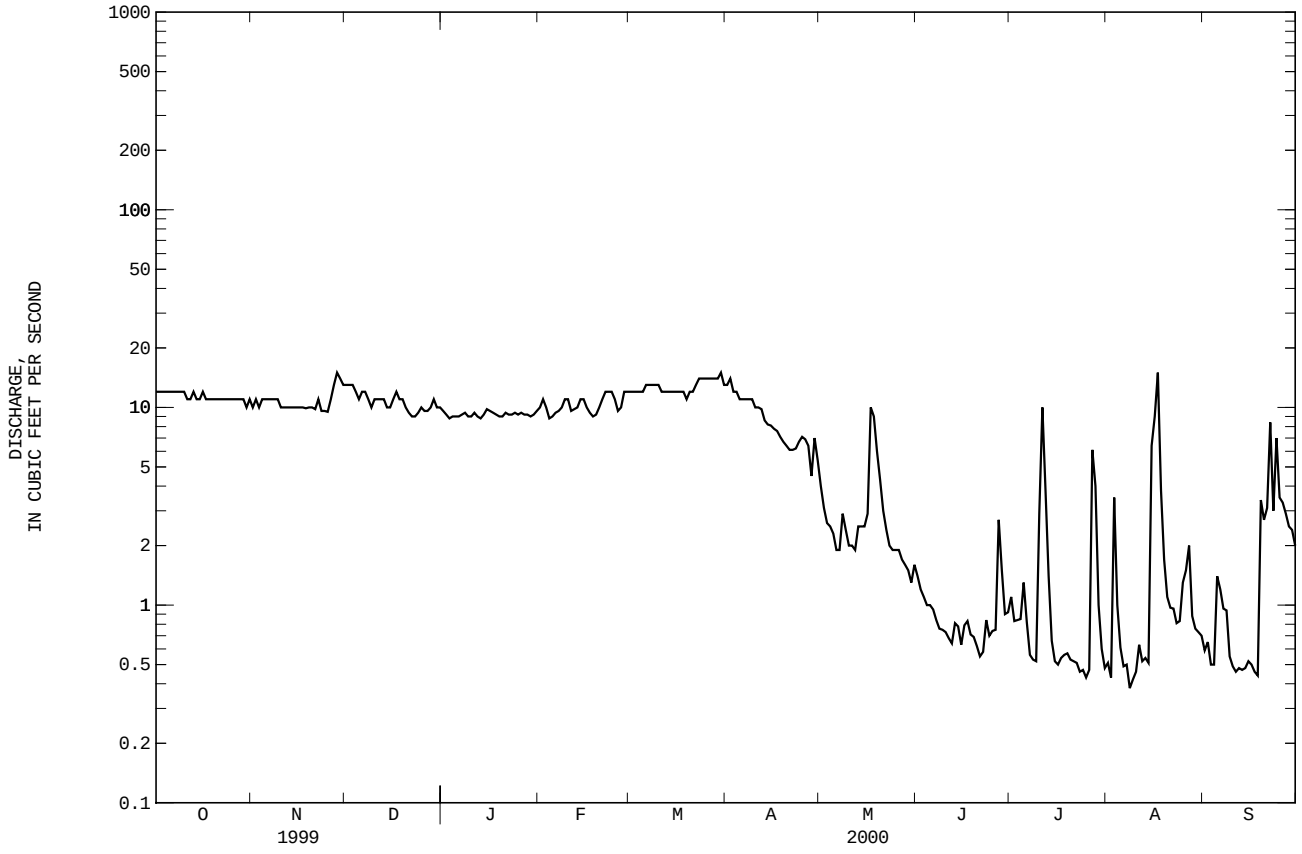
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

MEAN	7.52	9.15	7.52	7.23	8.05	9.50	13.3	47.4	31.4	8.48	7.53	5.41
MAX	26.3	29.7	19.9	14.8	13.0	17.5	27.3	252	90.1	26.7	30.0	19.4
(WY)	1998	1998	1998	1998	1998	1998	1999	1999	1999	1995	1997	1997
MIN	1.71	1.46	1.39	1.48	1.61	1.60	1.95	2.90	.90	1.43	1.65	1.07
(WY)	1999	1995	1995	1995	1995	1995	1995	2000	2000	2000	1994	1998

06755960 CROW CREEK AT 19TH STREET, AT CHEYENNE, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1994 - 2000	
ANNUAL TOTAL	14208.9		2523.29		--	
ANNUAL MEAN	38.9		6.89		13.6	
HIGHEST ANNUAL MEAN	--		--		37.4	1999
LOWEST ANNUAL MEAN	--		--		2.64	1994
HIGHEST DAILY MEAN	579	May 1	15	Nov 28,Mar 30, Aug 17	579	May 1 1999
LOWEST DAILY MEAN	3.9	Aug 30	.38	Aug 8	.38	Aug 8 2000
ANNUAL SEVEN-DAY MINIMUM	4.6	Aug 25	.48	Sep 12	.48	Sep 12 2000
INSTANTANEOUS PEAK FLOW	--		93	Jul 11	687	Apr 30 1999
INSTANTANEOUS PEAK STAGE	--		3.05	Jul 11	5.56	Apr 30 1999
ANNUAL RUNOFF (AC-FT)	28180		5000		9830	
10 PERCENT EXCEEDS	122		12		25	
50 PERCENT EXCEEDS	11		9.0		6.5	
90 PERCENT EXCEEDS	5.7		.56		1.3	

e Estimated.



06756060 CROW CREEK NEAR ARCHER, WY

LOCATION.--Lat 41°07'35", long 104°39'04", in NE$^1/_4$ SW$^1/_4$ NW$^1/_4$ sec.3, T. 13 N., R.65 W., Laramie County, Hydrologic Unit 10190009, 0.4 mi upstream from highwater line of Wyoming Hereford Ranch Reservoir No. 2, and 2.3 mi southeast of Archer.

PERIOD OF RECORD.--November 1990 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
NOV							
04...	1445	24	610	99	9.4	8.5	615
MAR							
01...	1410	25	616	109	11.0	8.4	630
MAY							
19...	0945	18	620	83	7.5	7.8	610
AUG							
16...	1530	18	623	57	3.9	7.7	783

DATE	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV							
04...	19.0	8.0	1.83	2.59	.231	.914	450
MAR							
01...	14.0	6.0	3.35	2.41	.131	.893	1000
MAY							
19...	17.0	10.5	6.03	1.01	.139	.999	K1900
AUG							
16...	26.0	24.0	12.6	2.87	1.05	2.25	K5100

K Results based on colony count outside the acceptable range (non-ideal colony count).

GREEN RIVER BASIN

09188500 GREEN RIVER AT WARREN BRIDGE, NEAR DANIEL, WY

LOCATION.--Lat 43°01'08", long 110°07'03", in $SE^1/_4$ $SE^1/_4$ $NE^1/_4$ sec.8, T.35 N., R.111 W., Sublette County, Hydrologic Unit 14040101, on right bank 100 ft upstream from bridge on U.S. Highways 189 and 191, 3.4 mi upstream from Beaver Creek, and 12 mi north of Daniel.

DRAINAGE AREA.--468 mi^2.

PERIOD OF RECORD.--October 1931 to September 1992, October 1993 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 979: 1932(M).

GAGE.--Water-stage recorder. Datum of gage is 7,468.09 ft above sea level. Prior to Oct. 6, 1977, on left bank at same datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 10,200 acres, of which about 6,100 acres are downstream from station. National Weather Service data collection platform with satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	195	167	e190	e138	e125	e150	e180	735	1650	916	383	307
2	193	152	e180	e132	e130	e145	e210	871	1490	943	379	391
3	185	142	e180	e130	e130	e145	e240	1030	1420	978	390	416
4	183	163	e180	e120	e130	e150	e260	1180	1470	969	416	394
5	177	166	e170	e120	e130	e155	295	1250	1640	898	428	355
6	177	160	e162	e130	e130	e165	311	1190	1760	776	432	314
7	178	156	e166	e130	e130	e165	302	1180	1800	678	442	287
8	174	156	e160	e130	e130	e160	310	1160	1860	650	426	267
9	172	167	e155	e140	e130	e155	301	934	1900	648	402	247
10	168	158	e145	e140	e130	e150	318	849	1810	662	389	230
11	166	150	e155	e140	e130	e140	346	730	1490	735	384	218
12	164	152	e170	e140	e130	e130	357	615	1180	753	364	207
13	161	150	e180	e130	e130	e140	e385	538	1200	700	360	197
14	159	145	e180	e140	e130	e150	e420	492	1190	660	355	192
15	157	e132	e170	e140	e120	e150	e390	467	1070	635	340	189
16	158	e140	e175	e140	e120	e130	305	431	1040	607	330	187
17	150	e141	e180	e140	e125	e145	311	443	986	602	318	186
18	147	153	e178	e150	e115	e140	336	439	855	622	315	188
19	152	122	e172	e150	e110	e145	370	483	794	656	316	196
20	146	e122	e170	e150	e120	e140	400	585	893	635	307	198
21	146	e120	e170	e150	e130	e130	547	707	850	561	292	199
22	145	e105	e170	e140	e140	e140	695	854	786	509	280	209
23	144	e95	e165	e140	e130	e155	709	1110	791	473	270	227
24	143	e87	e160	e150	e140	e160	649	1450	919	451	264	217
25	143	e95	e155	e150	e140	e150	540	1760	1050	438	255	211
26	143	e110	e150	e140	e135	e160	537	1920	1120	428	252	208
27	142	e160	e150	e130	e145	e170	608	1810	1060	428	263	198
28	141	e180	e150	e130	e150	e180	684	1560	974	420	267	192
29	147	e180	e145	e128	e150	e170	772	1690	912	413	253	185
30	163	e180	e140	e125	---	e160	716	1830	910	408	245	180
31	161	---	e138	e125	---	e160	---	1780	---	395	265	---
TOTAL	4980	4306	5111	4238	3785	4685	12804	32073	36870	19647	10382	7192
MEAN	161	144	165	137	131	151	427	1035	1229	634	335	240
MAX	195	180	190	150	150	180	772	1920	1900	978	442	416
MIN	141	87	138	120	110	130	180	431	786	395	245	180
AC-FT	9880	8540	10140	8410	7510	9290	25400	63620	73130	38970	20590	14270

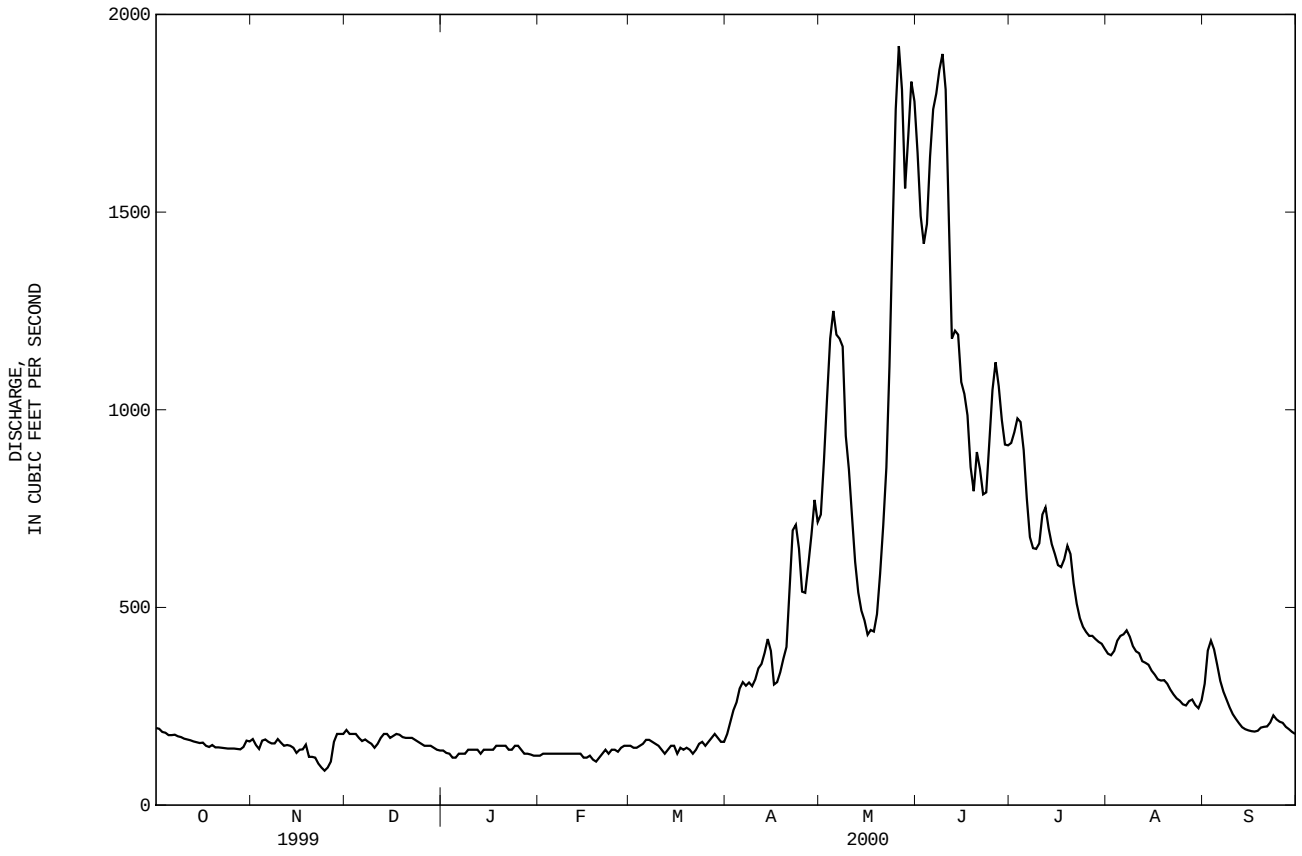
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2000, BY WATER YEAR (WY)

MEAN	201	145	125	110	111	124	289	1032	1807	1268	544	303
MAX	433	223	215	176	166	240	600	1811	3813	2424	997	592
(WY)	1984	1983	1997	1967	1967	1932	1943	1956	1986	1975	1982	1963
MIN	102	67.7	70.0	50.0	60.0	70.0	129	269	610	399	213	150
(WY)	1989	1994	1933	1933	1933	1933	1970	1977	1934	1988	1988	1988

GREEN RIVER BASIN--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1932 - 2000	
ANNUAL TOTAL	202995		146073		--	
ANNUAL MEAN	556		399		506	
HIGHEST ANNUAL MEAN	--		--		768	1986
LOWEST ANNUAL MEAN	--		--		281	1977
HIGHEST DAILY MEAN	3150	Jun 22	1920	May 26	5620	Jun 11 1997
LOWEST DAILY MEAN	87	Nov 24	87	Nov 24	36	Nov 26 1933
ANNUAL SEVEN-DAY MINIMUM	105	Nov 20	105	Nov 20	43	Nov 24 1933
INSTANTANEOUS PEAK FLOW	--		1970	May 26	5930	Jun 11 1997
INSTANTANEOUS PEAK STAGE	--		3.96	May 26	6.04	Jun 11 1997
ANNUAL RUNOFF (AC-FT)	402600		289700		366900	
10 PERCENT EXCEEDS	1710		975		1440	
50 PERCENT EXCEEDS	190		186		200	
90 PERCENT EXCEEDS	140		130		100	

e Estimated



09197000 PINE CREEK BELOW FREMONT LAKE, WY

LOCATION.--Lat 42°53'42", long 109°50'35", in NE$^1/_4$ NE$^1/_4$ NE$^1/_4$ sec.27, T.34 N., R.109 W., Sublette County, Hydrologic Unit 14040102, on left bank at Lot Number 93, 0.9 mi downstream from Fremont Lake, and 2.1 mi northeast of Pinedale.

DRAINAGE AREA.--114 mi^2.

PERIOD OF RECORD.--October 1910 to September 1912, October 1915 to September 1918, April 1985 to September 1986, April 1988 to current year, (no winter records since 1918). Published as "near Pinedale" prior to October 1912 and as "at Fremont Lake Outlet" October 1915 to September 1918. Records since April 1985 equivalent to earlier records if diversions to Highland Ditch (station 09196960) are added to flow past station.

GAGE.--Water-stage recorder. Elevation of gage is 7,390 ft above sea level, from topographic map. Prior to September 30, 1918, nonrecording gage at site 0.2 mi upstream at different datum.

REMARKS.--Records good, except those for estimated daily discharges, which are poor. Some regulation by Fremont Lake. Fremont Ditch and Highland Ditch divert water upstream from station for irrigation downstream from station. Result of discharge measurement, in cubic feet per second, made when station was not in operation, is given below:

Mar. 29 . . . 13.2

COOPERATION.--Station operated and record provided by Office of the Wyoming State Engineer; record reviewed by U.S. Geological Survey.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e14	20	460	195	78	45
2	---	---	---	---	---	---	e14	20	492	195	83	45
3	---	---	---	---	---	---	e14	21	527	195	83	42
4	---	---	---	---	---	---	e14	41	544	194	83	39
5	---	---	---	---	---	---	e14	73	554	191	82	38
6	---	---	---	---	---	---	e14	75	580	187	82	37
7	---	---	---	---	---	---	e15	78	601	184	82	36
8	---	---	---	---	---	---	e15	79	628	182	81	37
9	---	---	---	---	---	---	e15	97	641	182	80	38
10	---	---	---	---	---	---	e15	134	637	181	80	38
11	---	---	---	---	---	---	e15	135	621	179	79	38
12	---	---	---	---	---	---	e16	137	600	179	77	38
13	---	---	---	---	---	---	e16	163	588	180	77	38
14	---	---	---	---	---	---	e16	182	574	179	64	37
15	---	---	---	---	---	---	e16	190	556	179	57	37
16	---	---	---	---	---	---	e16	197	545	177	57	37
17	---	---	---	---	---	---	e16	189	541	172	58	34
18	---	---	---	---	---	---	e17	178	482	171	58	32
19	---	---	---	---	---	---	e17	177	400	168	58	32
20	---	---	---	---	---	---	e17	173	290	168	58	31
21	---	---	---	---	---	---	e17	173	216	168	57	29
22	---	---	---	---	---	---	e17	168	181	166	56	23
23	---	---	---	---	---	---	e17	155	165	164	56	18
24	---	---	---	---	---	---	e18	162	182	144	55	18
25	---	---	---	---	---	---	e18	214	186	111	45	18
26	---	---	---	---	---	---	18	260	191	110	45	18
27	---	---	---	---	---	---	19	286	197	109	45	18
28	---	---	---	---	---	---	19	315	198	109	44	19
29	---	---	---	---	---	---	19	354	197	101	45	19
30	---	---	---	---	---	---	19	394	197	93	45	18
31	---	---	---	---	---	---	---	431	---	83	45	---
TOTAL	---	---	---	---	---	---	487	5271	12771	4996	1995	947
MEAN	---	---	---	---	---	---	16.2	170	426	161	64.4	31.6
MAX	---	---	---	---	---	---	19	431	641	195	83	45
MIN	---	---	---	---	---	---	14	20	165	83	44	18
AC-FT	---	---	---	---	---	---	966	10460	25330	9910	3960	1880

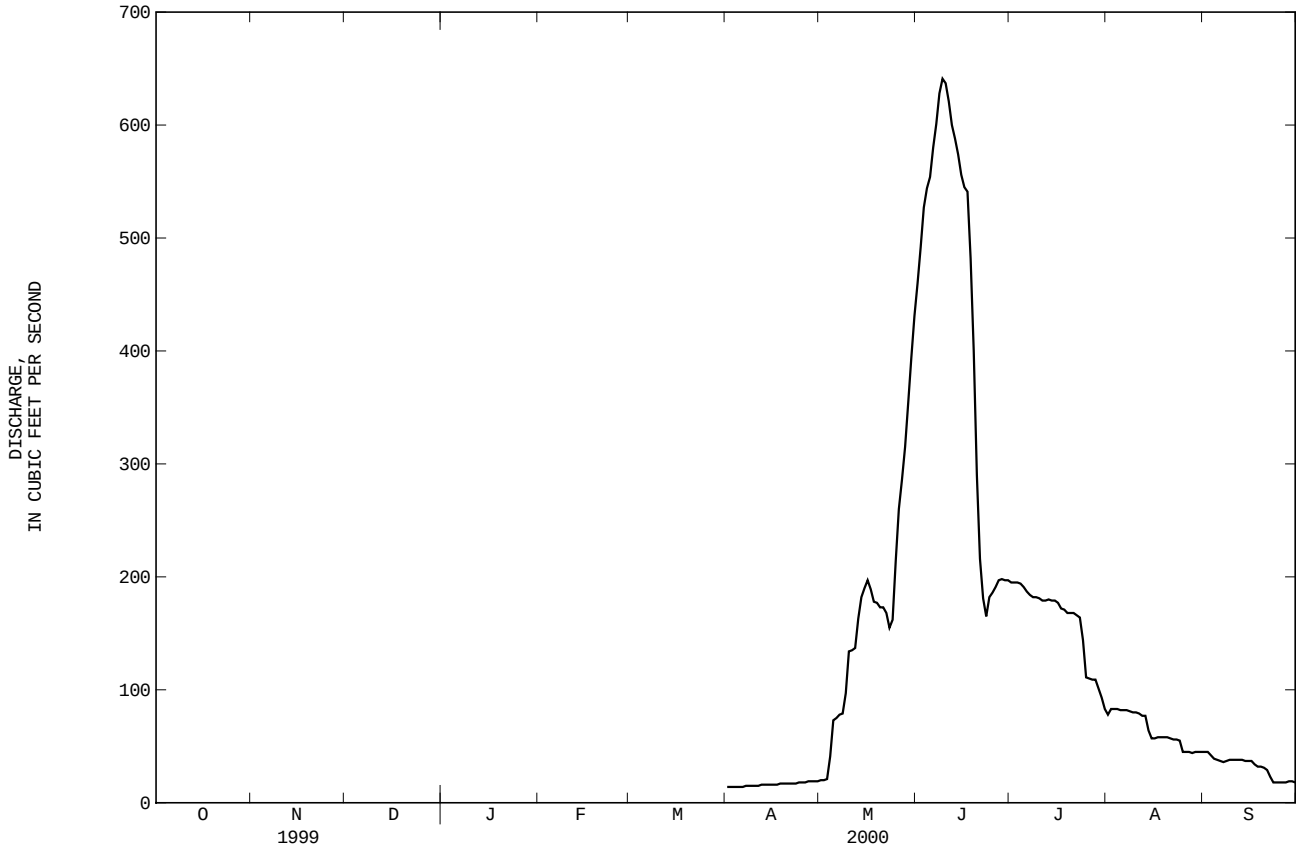
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2000, BY WATER YEAR (WY)

MEAN	63.2	36.8	27.5	23.3	24.3	26.2	32.6	155	640	502	156	67.7
MAX	86.2	40.0	34.2	26.3	33.0	36.0	93.0	299	1273	1258	300	131
(WY)	1916	1911	1918	1918	1916	1916	1986	1997	1918	1917	1917	1917
MIN	49.9	30.0	20.0	20.0	18.0	20.0	14.9	63.3	215	95.0	43.9	22.8
(WY)	1917	1917	1917	1916	1917	1917	1988	1990	1992	1992	1988	1988

09197000 PINE CREEK BELOW FREMONT LAKE, WY--Continued

SUMMARY STATISTICS	FOR 1999 WATER YEAR*		WATER YEARS 1911 - 2000*	
ANNUAL MEAN	--		197	
HIGHEST ANNUAL MEAN	--		211	1917
LOWEST ANNUAL MEAN	--		183	1912
HIGHEST DAILY MEAN	14	Apr 1-6	2330	Jun 17 1918
LOWEST DAILY MEAN	644	Jun 9	9.6	Apr 23 1990
INSTANTANEOUS PEAK FLOW	--		2330	Jun 17 1918
ANNUAL RUNOFF (AC-FT)	--		143000	

* During period of operation.
e Estimated.



09205000 NEW FORK RIVER NEAR BIG PINEY, WY

LOCATION.--Lat 42°34'02", long 109°55'46", in SE$^1/_4$ NE$^1/_4$ NE$^1/_4$ sec.22, T.30 N., R.110 W., Sublette County, Hydrologic Unit 14040102, on right bank 350 ft downstream from old highway bridge, 3.4 mi upstream from mouth, and 9.5 mi northeast of Big Piney.

DRAINAGE AREA.--1,230 mi^2.

PERIOD OF RECORD.--September 1954 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,800 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, power development, and diversions for irrigation of about 62,100 acres upstream from station. National Weather Service data collection platform with satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	429	365	363	e200	e190	e225	e250	402	3210	857	468	352
2	425	355	312	e190	e190	e220	e250	454	3080	865	464	364
3	417	347	308	e190	e190	e220	e260	544	2780	815	469	349
4	411	346	264	e180	e190	e225	e270	698	2730	797	491	318
5	410	351	e230	e180	e190	e235	e280	917	2830	792	499	305
6	410	351	e225	e190	e190	e250	e290	1180	2890	777	482	296
7	409	341	e321	e190	e190	e250	e280	1280	2810	750	451	290
8	398	339	e230	e200	e190	e240	e290	1220	2820	713	434	289
9	398	339	e220	e210	e190	e230	e290	1120	2890	722	412	283
10	393	339	e210	e210	e190	e220	e310	995	2790	739	408	280
11	386	330	e220	e210	e190	e210	e320	1010	2420	767	410	278
12	384	328	e230	e210	e190	e200	e320	923	2130	771	400	278
13	374	328	e240	e200	e190	e210	e335	840	1940	752	382	277
14	374	317	e250	e210	e190	e220	e350	821	1860	726	361	271
15	374	318	e240	e205	e180	e230	e330	e640	1730	694	345	270
16	374	319	e250	e205	e180	e210	e320	e520	1710	663	340	272
17	374	317	e260	e205	e190	e220	e320	e540	1710	656	339	275
18	374	317	e260	e220	e180	e210	e330	e530	1620	721	333	275
19	374	308	e250	e220	e170	e220	339	e540	1490	734	339	275
20	368	310	e250	e220	e180	e210	339	e580	1540	691	344	275
21	368	317	e250	e220	e190	e200	346	e640	1320	649	321	275
22	368	269	e250	e210	e210	e210	353	745	1170	620	305	279
23	368	240	e240	e210	e195	e226	362	960	1050	594	297	308
24	368	251	e230	e220	e210	e240	362	1440	966	577	295	317
25	368	314	e230	e220	e210	e230	352	2290	926	554	291	322
26	368	378	e220	e210	e200	e240	344	3170	904	538	290	321
27	366	357	e220	e200	e215	e250	329	3300	921	551	290	310
28	356	392	e220	e190	e225	e270	328	3040	927	549	286	311
29	356	382	e210	e190	e225	e260	342	3120	914	535	285	310
30	356	385	e210	e190	---	e250	371	3460	870	519	287	301
31	364	---	e200	e190	---	e240	---	3370	---	483	311	---
TOTAL	11862	9950	7613	6295	5620	7071	9562	41289	56948	21171	11429	8926
MEAN	383	332	246	203	194	228	319	1332	1898	683	369	298
MAX	429	392	363	220	225	270	371	3460	3210	865	499	364
MIN	356	240	200	180	170	200	250	402	870	483	285	270
AC-FT	23530	19740	15100	12490	11150	14030	18970	81900	113000	41990	22670	17700

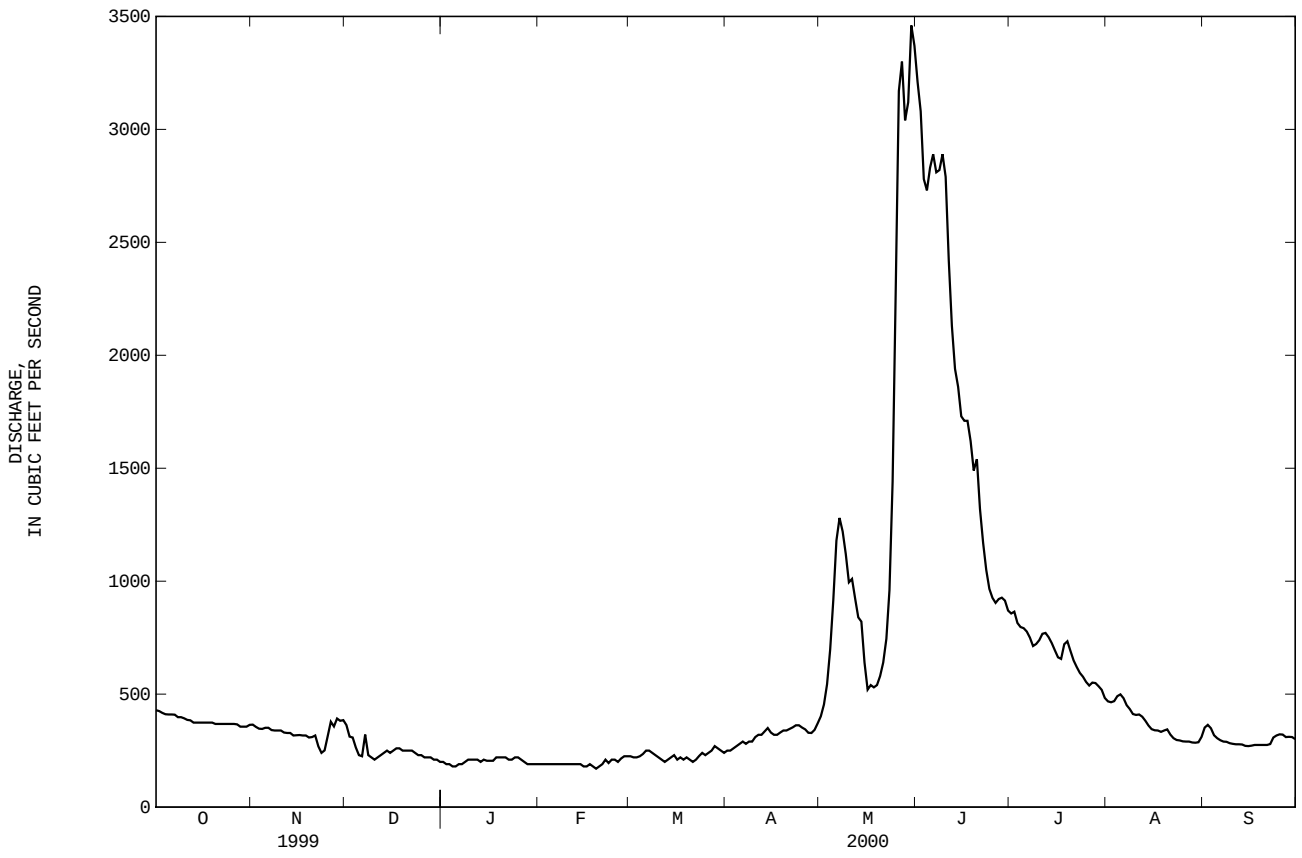
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2000, BY WATER YEAR (WY)

MEAN	379	325	242	202	212	269	437	1151	3057	1664	594	378
MAX	989	608	397	277	337	597	1114	2539	7065	4155	1279	766
(WY)	1983	1984	1983	1969	1969	1972	1969	1969	1986	1982	1982	1983
MIN	171	188	139	129	135	161	181	254	699	405	225	164
(WY)	1989	1989	1989	1963	1989	1977	1981	1977	1992	1961	1988	1988

09205000 NEW FORK RIVER NEAR BIG PINEY, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1954 - 2000	
ANNUAL TOTAL	325998		197736		--	
ANNUAL MEAN	893		540		743	
HIGHEST ANNUAL MEAN	--		--		1288	1986
LOWEST ANNUAL MEAN	--		--		313	1977
HIGHEST DAILY MEAN	6150	Jun 23	3460	May 30	9110	Jun 7 1986
LOWEST DAILY MEAN	200	Dec 31	170	Feb 19	90	Jan 13 1963
ANNUAL SEVEN-DAY MINIMUM	216	Dec 25	181	Feb 14	104	Jan 9 1963
INSTANTANEOUS PEAK FLOW	--		3550	May 26	9190	Jun 7 1986
INSTANTANEOUS PEAK STAGE	--		5.08	May 26	8.28	Jun 7 1986
ANNUAL RUNOFF (AC-FT)	646600		392200		538300	
10 PERCENT EXCEEDS	3030		1000		1880	
50 PERCENT EXCEEDS	386		321		332	
90 PERCENT EXCEEDS	250		200		190	

e Estimated.



09209400 GREEN RIVER NEAR LA BARGE, WY

LOCATION.--Lat 42°11'34", long 110°09'45", in $SE^1/_4$ $SE^1/_4$ $NW^1/_4$ sec.33, T.26 N., R.112 W., Lincoln County, Hydrologic Unit 14040101, on right bank 1.7 mi upstream from high-water line of Fontenelle Reservoir at elevation 6,513 ft, 4.0 mi upstream from Muddy Creek, and 5.0 mi south of La Barge.

DRAINAGE AREA.--3,910 mi^2.

PERIOD OF RECORD.--October 1963 to current year. Records are equivalent to those published August 1946 to March 1965 as Green River near Fontenelle (station 09209500) average annual mean 1,557 cfs.

GAGE.--Water-stage recorder. Elevation of gage is 6,520 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs and diversions for irrigation of about 198,000 acres upstream from station. National Weather Service data collection platform with satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	879	817	e700	e430	e332	e500	801	1510	5030	1530	894	605
2	861	805	e680	e390	e340	e500	816	1440	4780	1540	873	668
3	850	761	e640	e380	e350	e480	843	1560	4350	1500	849	681
4	850	766	625	e350	e350	e480	876	1850	4080	1450	844	702
5	833	795	502	e350	e350	e500	953	2210	4170	1450	886	698
6	824	816	520	e360	e350	e540	1040	2600	4370	1440	903	673
7	827	807	652	e360	e350	e560	1110	2830	4440	1340	874	650
8	819	788	e640	e360	e350	e560	1030	2920	4460	1220	838	625
9	805	790	e600	e380	e350	e540	1010	2830	4580	1180	813	604
10	803	784	e560	e380	e350	e520	1080	2440	4640	1170	773	573
11	792	778	e580	e380	e350	e490	1270	2380	4460	1200	761	542
12	777	766	e600	e380	e350	e470	1430	2300	3910	1260	747	520
13	768	750	e600	e370	e350	e460	1520	2010	3450	1270	714	510
14	774	739	e600	e380	e350	e520	1640	1820	3220	1210	679	495
15	774	717	e580	e380	e330	e570	1720	1550	3100	1190	660	484
16	789	720	e600	e380	e320	e560	1610	1310	2940	1160	646	471
17	799	734	e600	e390	e340	e550	1620	1080	2980	1130	637	463
18	806	728	e600	e400	e310	e600	1540	1040	2910	1180	631	464
19	811	692	e580	e400	e300	e600	1540	1020	2690	1360	628	461
20	800	686	e560	e400	e320	e620	1500	940	2680	1360	642	458
21	799	679	e560	e400	e360	e600	1510	922	2560	1340	631	470
22	799	682	e560	e380	e420	e580	1710	1080	2300	1220	588	516
23	799	591	e540	e390	e400	e680	1890	1320	2060	1140	558	570
24	799	486	e500	e400	e430	e740	1940	1960	1830	1090	545	627
25	799	528	e490	e400	e430	e740	1730	3220	1700	1040	542	649
26	793	e630	e470	e380	e420	728	1450	4610	1670	990	538	652
27	786	e670	e470	e350	e450	777	1340	5330	1740	977	524	646
28	782	e700	e480	e350	e490	868	1410	5250	1760	1020	517	629
29	801	e700	e450	e350	e490	872	1480	4960	1710	1010	513	608
30	802	e700	e440	e330	---	850	1580	5180	1610	981	507	589
31	799	---	e430	e330	---	818	---	5330	---	942	547	---
TOTAL	24999	21605	17409	11660	10682	18873	40989	76802	96180	37890	21302	17303
MEAN	806	720	562	376	368	609	1366	2477	3206	1222	687	577
MAX	879	817	700	430	490	872	1940	5330	5030	1540	903	702
MIN	768	486	430	330	300	460	801	922	1610	942	507	458
AC-FT	49590	42850	34530	23130	21190	37430	81300	152300	190800	75150	42250	34320

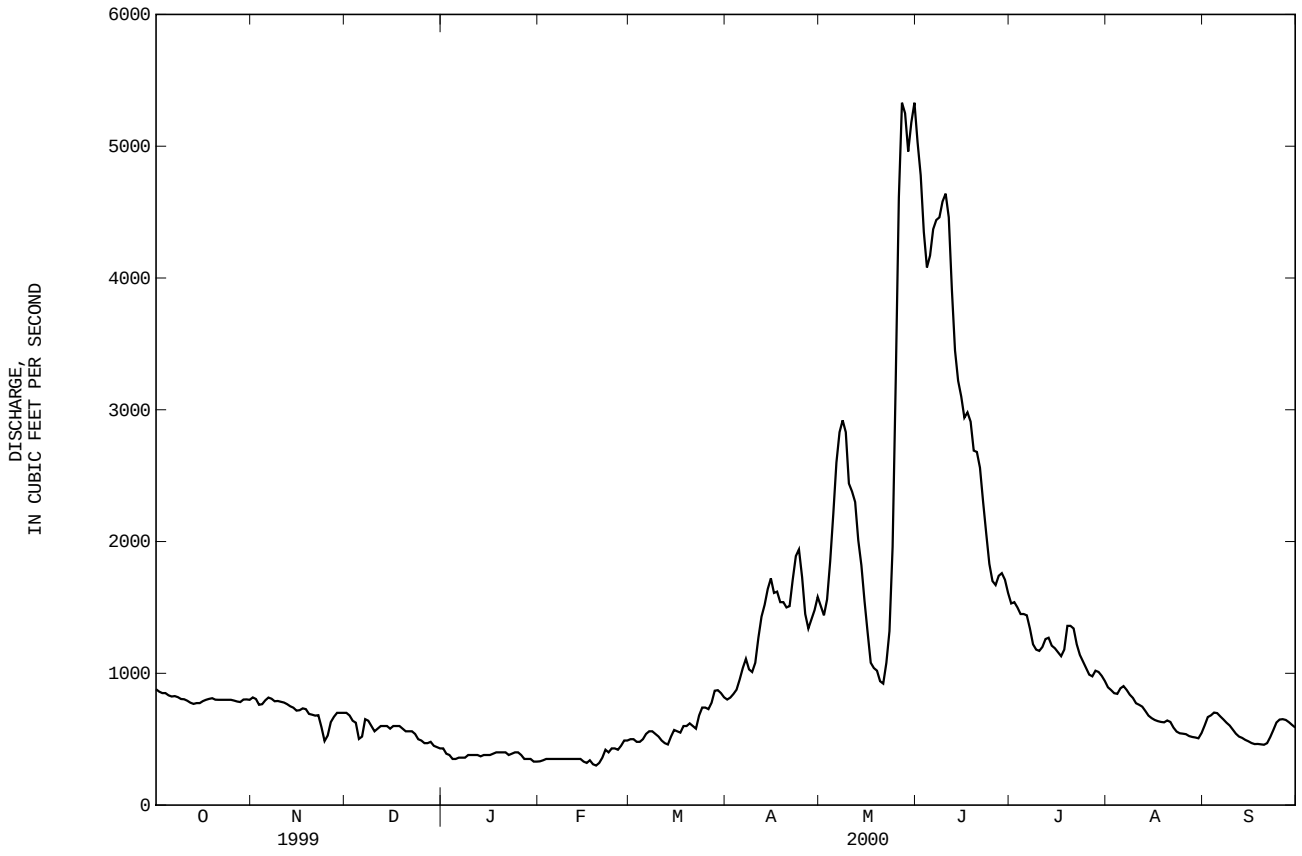
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2000, BY WATER YEAR (WY)

MEAN	840	742	538	466	497	714	1416	2916	5876	3534	1493	900
MAX	2049	1306	866	608	681	1565	2692	5357	14230	7993	3185	1768
(WY)	1983	1984	1984	1966	1998	1972	1986	1997	1986	1982	1982	1983
MIN	368	469	367	314	270	426	469	305	1080	710	466	365
(WY)	1989	1989	1989	1989	1989	1970	1977	1977	1992	1994	1988	1988

09209400 GREEN RIVER NEAR LA BARGE, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1964 - 2000	
ANNUAL TOTAL	773450		395694		--	
ANNUAL MEAN	2119		1081		1663	
HIGHEST ANNUAL MEAN	--		--		2908	1986
LOWEST ANNUAL MEAN	--		--		668	1977
HIGHEST DAILY MEAN	12200	Jun 24	5330	May 27,31	18800	Jun 9 1986
LOWEST DAILY MEAN	430	Dec 31	300	Feb 19	188	May 17 1977
ANNUAL SEVEN-DAY MINIMUM	461	Dec 25	324	Feb 14	215	May 13 1977
INSTANTANEOUS PEAK FLOW	--		5440	May 27	18800	Jun 9 1986
INSTANTANEOUS PEAK STAGE	--		7.40	May 27	10.50	Jun 9 1986
ANNUAL RUNOFF (AC-FT)	1534000		784900		1205000	
10 PERCENT EXCEEDS	6080		2240		4100	
50 PERCENT EXCEEDS	856		744		812	
90 PERCENT EXCEEDS	560		380		434	

e Estimated.



09210500 FONTENELLE CREEK NEAR HERSCHLER RANCH, NEAR FONTENELLE, WY

LOCATION.--Lat 42°05'46", long 110°24'57", in NW$^1/_4$ SW$^1/_4$ NE$^1/_4$ sec.2, T.24 N., R.115 W., Lincoln County, Hydrologic Unit 14040101, on left bank 2.0 mi downstream from Dutch George Creek and 14 mi west of Fontenelle.

DRAINAGE AREA.--152 mi^2.

PERIOD OF RECORD.--August 1951 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,950 ft above sea level, from topographic map. Prior to May 5, 1970, at site 300 ft downstream at present datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Diversions for irrigation of about 780 acres upstream from station. Data collection platform with satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 28	0115	ice jam	*6.96
May 7	1445	170	6.45
May 25	1445	*260	6.95

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	41	e30	e24	e28	e32	53	98	152	47	24	30
2	51	38	e28	e24	e28	e31	44	103	142	46	24	29
3	47	39	e27	e23	e29	e31	55	107	131	41	24	25
4	52	41	e27	e23	e30	e32	61	116	126	39	24	23
5	52	39	e25	e24	e30	e33	95	122	122	40	23	22
6	49	39	e24	e23	e30	e34	87	135	118	40	23	21
7	50	39	e23	e25	e31	e34	67	154	114	40	23	21
8	43	40	e22	e26	e31	e33	75	133	111	39	22	21
9	43	39	e21	e27	e32	e32	88	119	113	40	21	21
10	42	38	e21	e28	32	e31	100	118	106	39	23	20
11	42	39	e20	e29	37	e30	104	123	93	41	22	19
12	42	39	e22	e29	31	e29	113	112	86	38	20	20
13	41	38	e24	e28	36	e28	111	108	93	38	19	20
14	41	37	e27	e27	31	e30	121	104	87	37	19	19
15	42	43	e26	e27	31	e30	106	94	82	34	20	19
16	42	40	e28	e28	e31	e30	97	97	78	35	19	18
17	42	37	e29	e29	29	30	86	100	82	35	18	18
18	45	33	e29	e30	e29	38	85	104	75	35	21	22
19	44	37	e29	e31	e28	32	80	103	76	32	21	21
20	43	35	e29	e31	e28	33	82	108	76	31	20	20
21	42	34	e29	e31	e30	38	91	118	69	29	18	21
22	41	e36	e28	e30	e32	41	94	134	64	29	18	28
23	41	e30	e28	e30	e32	39	100	155	59	24	20	35
24	40	e27	e27	e30	e33	39	93	187	55	25	20	31
25	40	e30	e26	e31	e33	40	82	205	49	24	20	30
26	39	e33	e25	e29	e32	36	83	210	49	25	20	30
27	40	36	e25	e28	e32	46	91	196	51	26	22	32
28	40	41	e25	e27	e33	52	100	191	50	26	20	31
29	42	37	e25	e26	e33	57	105	192	49	23	18	29
30	40	29	e25	e25	---	45	99	181	47	24	18	26
31	42	---	e25	e26	---	50	---	163	---	24	29	---
TOTAL	1350	1104	799	849	902	1116	2648	4190	2605	1046	653	722
MEAN	43.5	36.8	25.8	27.4	31.1	36.0	88.3	135	86.8	33.7	21.1	24.1
MAX	52	43	30	31	37	57	121	210	152	47	29	35
MIN	39	27	20	23	28	28	44	94	47	23	18	18
AC-FT	2680	2190	1580	1680	1790	2210	5250	8310	5170	2070	1300	1430

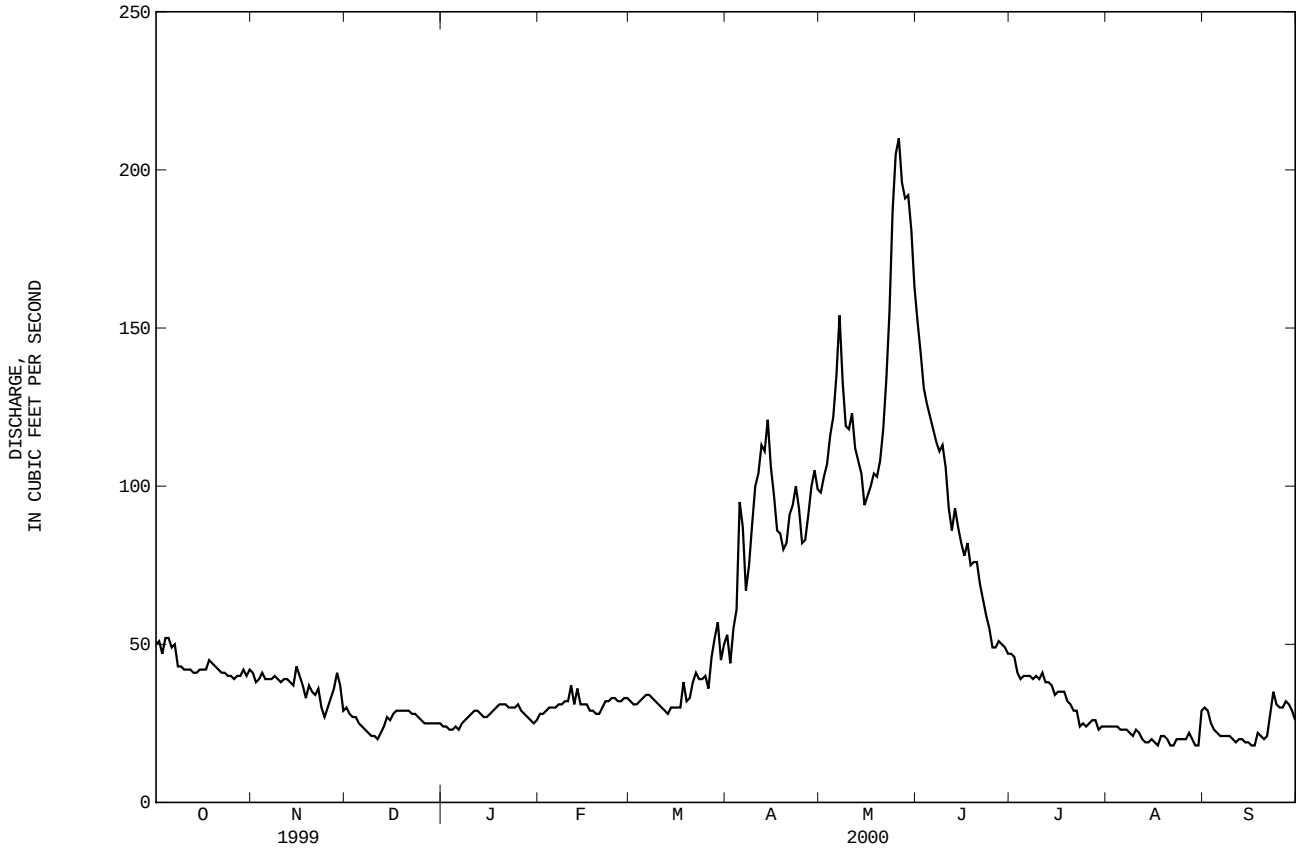
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2000, BY WATER YEAR (WY)

MEAN	32.5	30.3	26.3	25.8	26.8	32.9	100	217	231	78.3	38.2	31.2
MAX	55.3	47.1	42.1	41.3	51.3	76.3	280	437	628	185	76.0	63.1
(WY)	1987	1998	1985	1985	1985	1986	1986	1980	1986	1975	1983	1997
MIN	19.1	18.6	13.5	14.3	15.0	18.7	35.1	32.1	20.3	17.2	10.2	12.7
(WY)	1978	1994	1990	1991	1958	1962	1977	1977	1977	1977	1992	1977

09210500 FONTENELLE CREEK NEAR HERSCHLER RANCH, NEAR FONTENELLE, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1952 - 2000	
ANNUAL TOTAL	43679		17984		--	
ANNUAL MEAN	120		49.1		72.7	
HIGHEST ANNUAL MEAN	--		--		155	1986
LOWEST ANNUAL MEAN	--		--		24.8	1977
HIGHEST DAILY MEAN	713	Apr 30	210	May 26	865	Jun 6 1986
LOWEST DAILY MEAN	20	Dec 11	18	Aug 17	5.6	Aug 14 1992
ANNUAL SEVEN-DAY MINIMUM	22	Dec 6	19	Sep 11	6.2	Aug 10 1992
INSTANTANEOUS PEAK FLOW	--		260[a]	May 25	907	Apr 23 1986
INSTANTANEOUS PEAK STAGE	--		6.96[b]	Jan 28	9.51	Apr 23 1986
ANNUAL RUNOFF (AC-FT)	86640		35670		52660	
10 PERCENT EXCEEDS	405		106		186	
50 PERCENT EXCEEDS	49		33		33	
90 PERCENT EXCEEDS	27		21		20	

a Gage height, 6.95 ft.
b Backwater from ice.
e Estimated.



09211150 FONTENELLE RESERVOIR NEAR FONTENELLE, WY

LOCATION.--Lat 42°02'00", long 110°04'00", in S$^{1}/_{2}$ sec.25 T.24 N., R.112 W., Lincoln County, Hydrologic Unit 14040101, at dam on Green River, 3.0 mi north of Fontenelle, and 3.5 mi upstream from Slate Creek.

DRAINAGE AREA.--4,280 mi^{2}.

PERIOD OF RECORD.--October 1964 to current year.

REVISED RECORDS.--WSP 2125: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is sea level (Bureau of Reclamation datum).

REMARKS.--Reservoir is formed by earthfill dam completed by Bureau of Reclamation in April 1964. Capacity, 344,800 acre-ft between elevations 6,506.0 ft, crest of spillway, and 6,408.0 ft, invert of outlet pipe. Dead storage, below elevation 6,408.0 ft, 560 acre-ft. Figures given herein represent total contents. Water used for irrigation and power generation. Capacity table is available from the Bureau of Reclamation.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily contents, 387,000 acre-ft, June 29, 1965, elevation, 6,511.01 ft; minimum daily, 5,680 acre-ft, July 28, 1967, elevation, 6,423.98 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily contents, 303,000 acre-ft, Oct. 1, maximum daily elevation, 6,500.49 ft, Oct. 1; minimum daily contents, 104,000 acre-ft, Apr. 5, 9, 10, minimum daily elevation, 6,466.25 ft, Apr. 10.

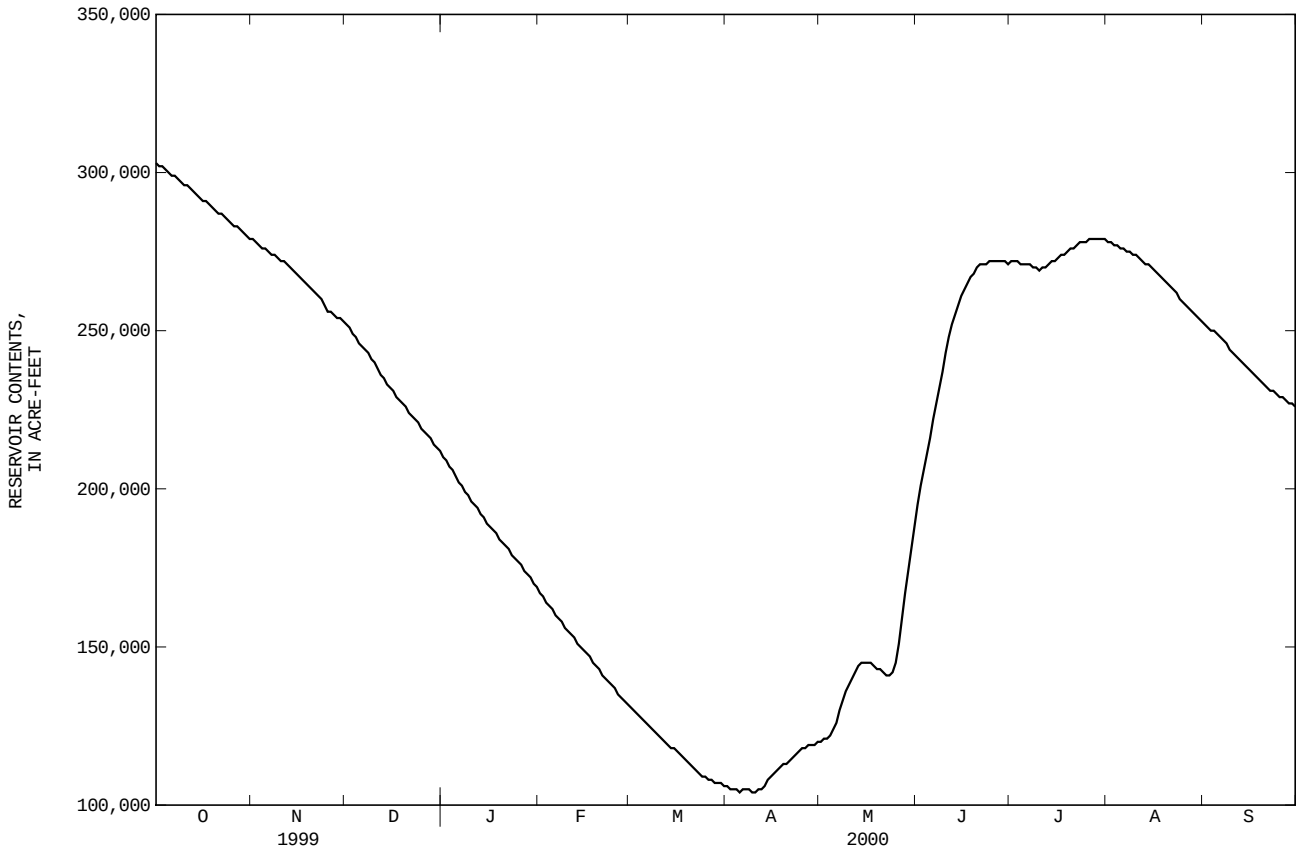
RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	303000	279000	252000	210000	167000	131000	106000	120000	195000	272000	278000	252000
2	302000	278000	251000	209000	166000	130000	105000	121000	201000	272000	278000	251000
3	302000	277000	249000	207000	164000	129000	105000	121000	206000	272000	277000	250000
4	301000	276000	248000	206000	163000	128000	105000	122000	211000	271000	277000	250000
5	300000	276000	246000	204000	162000	127000	104000	124000	216000	271000	276000	249000
6	299000	275000	245000	202000	160000	126000	105000	126000	222000	271000	276000	248000
7	299000	274000	244000	201000	159000	125000	105000	130000	227000	271000	275000	247000
8	298000	274000	243000	199000	158000	124000	105000	133000	232000	270000	275000	246000
9	297000	273000	241000	198000	156000	123000	104000	136000	237000	270000	274000	244000
10	296000	272000	240000	196000	155000	122000	104000	138000	243000	269000	274000	243000
11	296000	272000	238000	195000	154000	121000	105000	140000	248000	270000	273000	242000
12	295000	271000	236000	194000	153000	120000	105000	142000	252000	270000	272000	241000
13	294000	270000	235000	192000	151000	119000	106000	144000	255000	271000	271000	240000
14	293000	269000	233000	191000	150000	118000	108000	145000	258000	272000	271000	239000
15	292000	268000	232000	189000	149000	118000	109000	145000	261000	272000	270000	238000
16	291000	267000	231000	188000	148000	117000	110000	145000	263000	273000	269000	237000
17	291000	266000	229000	187000	147000	116000	111000	145000	265000	274000	268000	236000
18	290000	265000	228000	186000	145000	115000	112000	144000	267000	274000	267000	235000
19	289000	264000	227000	184000	144000	114000	113000	143000	268000	275000	266000	234000
20	288000	263000	226000	183000	143000	113000	113000	143000	270000	276000	265000	233000
21	287000	262000	224000	182000	141000	112000	114000	142000	271000	276000	264000	232000
22	287000	261000	223000	181000	140000	111000	115000	141000	271000	277000	263000	231000
23	286000	260000	222000	179000	139000	110000	116000	141000	271000	278000	262000	231000
24	285000	258000	221000	178000	138000	109000	117000	142000	272000	278000	260000	230000
25	284000	256000	219000	177000	137000	109000	118000	145000	272000	278000	259000	229000
26	283000	256000	218000	176000	135000	108000	118000	151000	272000	279000	258000	229000
27	283000	255000	217000	174000	134000	108000	119000	159000	272000	279000	257000	228000
28	282000	254000	216000	173000	133000	107000	119000	167000	272000	279000	256000	227000
29	281000	254000	214000	172000	132000	107000	119000	174000	272000	279000	255000	227000
30	280000	253000	213000	170000	---	107000	120000	181000	271000	279000	254000	226000
31	279000	---	212000	169000	---	106000	---	188000	---	279000	253000	---
MAX	303000	279000	252000	210000	167000	131000	120000	188000	272000	279000	278000	252000
MIN	279000	253000	212000	169000	132000	106000	104000	120000	195000	269000	253000	226000
(#)	6,497.27	6,493.55	6,487.43	6,480.24	6,472.80	6,466.71	6,470.03	6,483.66	6,496.19	6,497.70	6,493.57	6,489.63
(*)	-25,000	-26,000	-41,000	-43,000	-37,000	-26,000	+14,000	+68,000	+83,000	+8,000	-26,000	-27,000

WTR YR 2000 MAX 303,000 MIN 104,000 (*) -78,000

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

09211150 FONTENELLE RESERVOIR NEAR FONTENELLE, WY--Continued



09211200 GREEN RIVER BELOW FONTENELLE RESERVOIR, WY

LOCATION.--Lat 42°01'16", long 110°02'57", in NW¼ NW¼ NE¼ sec.31, T.24 N., R.111 W., Sweetwater County, Hydrologic Unit 14040103, on right bank 1.0 mi downstream from Fontenelle Dam, 2.5 mi upstream from Slate Creek, and 6.0 mi southeast of Fontenelle.

DRAINAGE AREA.--4,280 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1963 to current year.

REVISED RECORDS.--WSP 2125: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,378.13 ft above sea level.

REMARKS.--Records good. Flow completely regulated by Fontenelle Reservoir (station 09211150) 1.0 mi upstream. Natural flow of stream affected by storage reservoirs and diversions for irrigation of about 202,000 acres upstream from station. National Weather Service data collection platform with satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1210	1150	1200	1190	1200	1190	1210	1540	1580	1440	1110	1070
2	1180	1100	1190	1190	1200	1190	1210	1530	1510	1430	1110	1050
3	1180	1110	1190	1180	1200	1190	1210	1520	1490	1490	1130	1050
4	1160	1100	1190	1170	1200	1190	1210	1500	1490	1490	1130	1060
5	1160	1090	1180	1190	1200	1200	1210	1480	1480	1490	1140	1060
6	1140	1100	1170	1170	1180	1200	1220	1440	1620	1500	1150	1050
7	1130	1110	1170	1170	1170	1200	1220	1430	1620	1500	1120	1050
8	1120	1110	1160	1170	1170	1200	1220	1430	1700	1500	1140	1030
9	1120	1110	1150	1180	1170	1220	1210	1450	1720	1490	1140	1030
10	1130	1110	1170	1180	1170	1240	1210	1420	1670	1340	1150	1030
11	1140	1130	1170	1190	1170	1220	1200	1400	1620	1140	1130	1040
12	1180	1130	1170	1190	1170	1210	1200	1370	1600	968	1120	978
13	1170	1130	1170	1190	1170	1210	1200	1350	1590	857	1120	934
14	1130	1150	1180	1180	1180	1210	1210	1330	1620	808	1110	927
15	1130	1150	1170	1180	1190	1210	1190	1410	1660	823	1090	933
16	1140	1150	1170	1180	1190	1200	1190	1450	1670	818	1100	941
17	1130	1150	1190	1180	1190	1190	1190	1430	1670	802	1100	941
18	1140	1150	1200	1190	1190	1190	1240	1430	1680	825	1100	946
19	1140	1150	1190	1200	1190	1190	1340	1380	1700	834	1090	952
20	1140	1150	1190	1210	1190	1210	1350	1420	1700	838	1090	956
21	1120	1140	1190	1220	1210	1200	1370	1440	1680	843	1090	959
22	1120	1150	1200	1220	1190	1200	1380	1440	1650	817	1090	957
23	1110	1150	1200	1210	1190	1200	1350	1430	1670	843	1090	961
24	1120	1150	1180	1190	1190	1210	1330	1360	1710	874	1110	961
25	1110	1150	1170	1190	1190	1210	1350	1420	1700	869	1110	966
26	1120	1180	1180	1200	1190	1210	1340	1420	1710	856	1090	945
27	1110	1190	1190	1220	1190	1210	1330	1410	1580	862	1060	921
28	1130	1190	1190	1210	1190	1210	1320	1420	1440	945	1070	917
29	1120	1190	1190	1210	1190	1210	1540	1470	1430	1060	1090	921
30	1130	1190	1190	1210	---	1210	1540	1470	1430	1120	1080	925
31	1120	---	1190	1200	---	1210	---	1540	---	1120	1080	---
TOTAL	35280	34210	36640	36960	34420	37340	38290	44530	48390	33592	34330	29461
MEAN	1138	1140	1182	1192	1187	1205	1276	1436	1613	1084	1107	982
MAX	1210	1190	1200	1220	1210	1240	1540	1540	1720	1500	1150	1070
MIN	1110	1090	1150	1170	1170	1190	1190	1330	1430	802	1060	917
AC-FT	69980	67860	72680	73310	68270	74060	75950	88330	95980	66630	68090	58440

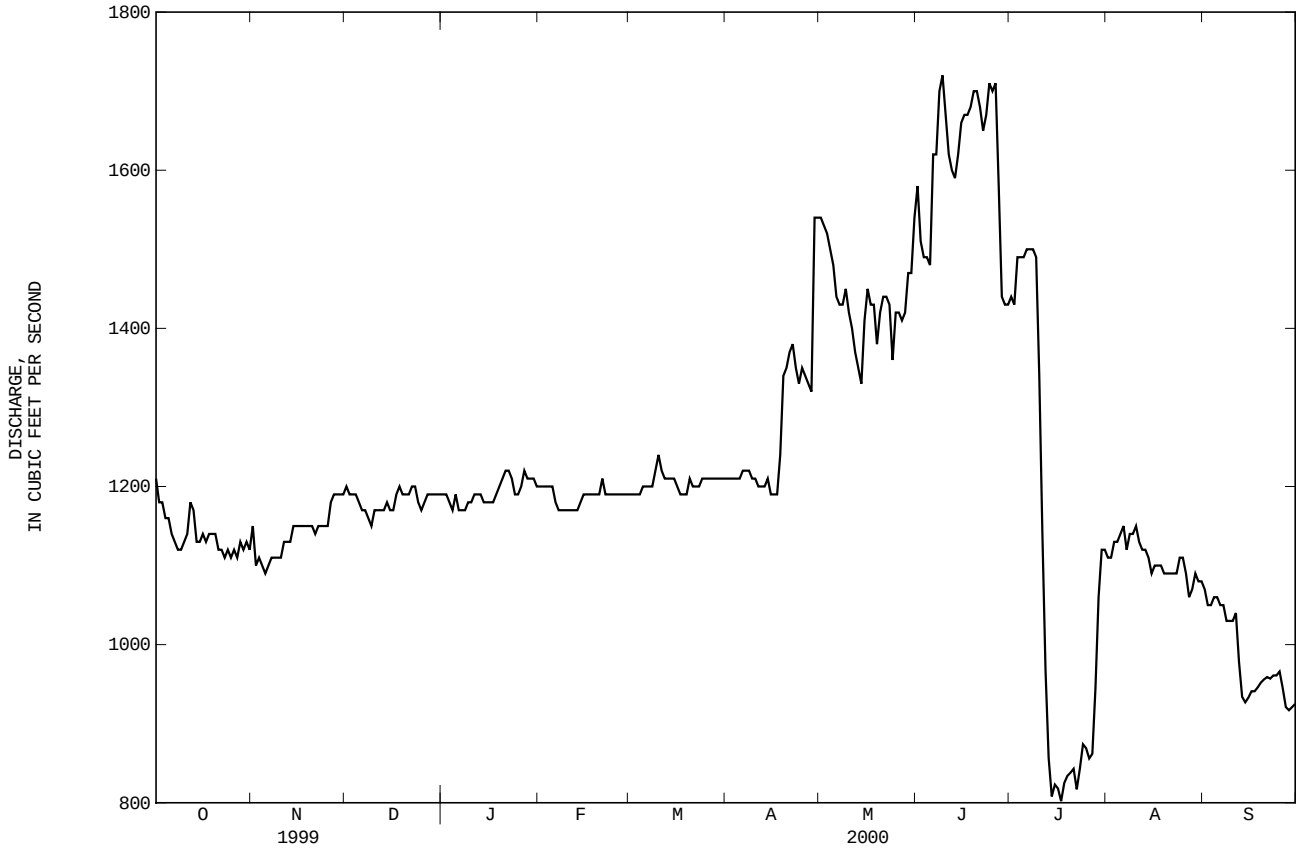
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2000, BY WATER YEAR (WY)

MEAN	1027	898	830	842	893	965	1500	2458	4610	3298	1647	1241
MAX	3138	1522	1308	1312	1818	1576	3134	5588	11240	8868	3466	7893
(WY)	1983	1984	1998	1998	1974	1986	1986	1985	1986	1986	1982	1965
MIN	291	308	272	273	262	365	370	463	465	364	367	285
(WY)	1989	1989	1968	1968	1968	1989	1968	1992	1977	1977	1977	1988

09211200 GREEN RIVER BELOW FONTENELLE RESERVOIR, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1964 - 2000	
ANNUAL TOTAL	820930		443443		--	
ANNUAL MEAN	2249		1212		1688	
HIGHEST ANNUAL MEAN	--		--		3060	1986
LOWEST ANNUAL MEAN	--		--		690	1977
HIGHEST DAILY MEAN	8850	Jun 14	1720	Jun 9	18600	Sep 6 1965
LOWEST DAILY MEAN	1090	Nov 5	802	Jul 17	209	Nov 22 1968
ANNUAL SEVEN-DAY MINIMUM	1100	Nov 2	821	Jul 14	251	Dec 25 1967
INSTANTANEOUS PEAK FLOW	--		1780[c]	Jun 8	19400[a]	Sep 5 1965
INSTANTANEOUS PEAK STAGE	--		12.08	Jun 29	18.74[b]	Sep 5 1965
ANNUAL RUNOFF (AC-FT)	1628000		879600		1223000	
10 PERCENT EXCEEDS	6350		1490		3670	
50 PERCENT EXCEEDS	1280		1190		1140	
90 PERCENT EXCEEDS	1140		1010		502	

a Caused by emergency releases from Fontenelle Reservoir.
b From floodmarks.
c Gage height, 12.04 ft.



09211200 GREEN RIVER BELOW FONTENELLE RESERVOIR, WY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1968 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1967 to September 1976.
WATER TEMPERATURES: October 1967 to September 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
NOV										
16...	1330	1150	610	106	10.3	8.7	355	15.0	7.0	150
JAN										
26...	1215	1200	602	108	11.4	8.4	418	.5	3.0	180
FEB										
29...	1230	1190	605	102	10.6	8.3	430	8.0	4.0	180
MAR										
30...	1145	1210	610	101	10.6	7.8	477	3.0	4.0	190
APR										
18...	1320	1250	601	103	9.8	--	448	9.0	7.0	190
MAY										
25...	0945	1400	604	107	8.9	8.2	387	15.5	13.0	170
JUN										
15...	1225	1630	605	127	9.8	8.7	292	19.0	16.5	120
JUL										
31...	1120	1110	610	115	8.3	8.6	302	33.0	20.0	120
AUG										
23...	1140	1090	609	112	8.2	8.4	303	24.0	19.5	120
SEP										
19...	1000	864	603	106	8.4	8.4	344	17.5	15.0	140

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
NOV										
16...	40.7	12.6	1.2	.5	14.8	138	3.3	.2	7.6	50.1
JAN										
26...	48.0	14.7	1.3	.5	16.3	157	3.5	.3	8.7	65.1
FEB										
29...	48.9	14.7	1.4	.5	16.9	158	3.5	.3	7.9	71.0
MAR										
30...	50.8	15.7	1.7	.6	18.5	159	3.9	.2	7.8	86.6
APR										
18...	51.2	15.8	1.6	.6	19.4	153	3.8	.3	7.3	81.1
MAY										
25...	45.4	13.8	1.7	.5	14.7	139	3.6	.1	7.0	60.5
JUN										
15...	33.0	9.49	1.4	.5	11.6	104	2.5	.2	5.9	44.9
JUL										
31...	32.7	9.30	1.4	.5	12.4	109	2.0	.2	5.8	42.6
AUG										
23...	33.8	9.67	1.4	.5	13.0	118	2.3	.1	5.0	39.1
SEP										
19...	37.1	10.6	1.5	.6	17.2	123	2.9	.2	4.1	50.8

09211200 GREEN RIVER BELOW FONTENELLE RESERVOIR, WY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
NOV										
16...	.26	<.020	<.050	<.010	<.050	<.010	<.050	.29	662	213
JAN										
26...	.47	<.020	<.050	<.010	<.050	<.010	E.033	.34	816	252
FEB										
29...	.18	<.020	<.050	<.010	<.050	<.010	<.050	.35	833	259
MAR										
30...	.20	<.020	<.050	<.010	<.050	<.010	<.050	.38	917	281
APR										
18...	.24	<.020	<.050	<.010	<.050	<.010	<.050	.37	919	272
MAY										
25...	.24	<.020	<.050	<.010	<.050	<.010	<.050	.31	870	230
JUN										
15...	.26	<.020	<.050	<.010	<.050	<.010	<.050	.23	753	171
JUL										
31...	.21	<.020	<.050	<.010	<.050	.010	<.050	.23	515	172
AUG										
23...	.28	<.020	<.050	<.010	<.050	<.010	<.050	.24	515	175
SEP										
19...	.33	.033	<.050	<.010	<.050	.016	<.050	.27	463	198

E Estimated.

09213500 BIG SANDY RIVER NEAR FARSON, WY

LOCATION.--Lat 42°19'01", long 109°29'06", in NW¼ SE¼ NW¼ sec.17, T.27 N., R.106 W., Sublette County, Hydrologic Unit 14040104, on left upstream side of Eden Canal diversion, about 1.0 mi upstream from high-water line of Big Sandy Reservoir, 14.5 mi north of Farson, and 24.5 mi upstream from Little Sandy Creek.

DRAINAGE AREA.--322 mi^2.

PERIOD OF RECORD.--October 1914 to September 1917, October 1920 to October 1924, October 1926 to September 1934, April 1953 to current year (no winter records since 1971). Prior to October 1968, published as Big Sandy Creek near Farson. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 1733: Drainage area.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 6,770 ft above sea level, from topographic map. Prior to Apr. 28, 1921, nonrecording gage, and Apr. 28, 1921, to Aug. 3, 1934, water-stage recorder at site 0.5 mi upstream at different datum. Apr. 17, 1953, to Nov. 11, 1954, water-stage recorder at site 1.5 mi upstream at different datum.

REMARKS.--Records fair except those for estiamte daily discharges, which are poor. Diversions for irrigation of about 1,000 acre upstream from station. The Eden Canal, which bypasses the station, has not been used since station was establish at present site in November 1954. National Weather Service data collection platform with satellite telemetry at station. Result of discharge measurement, in cubic feet per second, made during the period when station was not in operation, is given below:

Oct. 27 . . . . 20.4

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 350 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 5	2100	412	6.07
May 26	0200	703	6.86
May 29	2400	*727	*6.91

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e46	129	477	107	23	17
2	---	---	---	---	---	---	e49	162	427	106	23	31
3	---	---	---	---	---	---	e50	220	375	108	21	48
4	---	---	---	---	---	---	e51	277	405	98	20	69
5	---	---	---	---	---	---	e54	352	418	92	18	61
6	---	---	---	---	---	---	e55	383	418	86	17	54
7	---	---	---	---	---	---	e55	349	396	79	17	49
8	---	---	---	---	---	---	e56	283	395	73	15	45
9	---	---	---	---	---	---	e57	234	376	66	14	41
10	---	---	---	---	---	---	e60	203	327	64	13	38
11	---	---	---	---	---	---	64	177	279	64	12	37
12	---	---	---	---	---	---	65	150	235	64	12	34
13	---	---	---	---	---	---	69	133	227	61	12	31
14	---	---	---	---	---	---	74	121	258	57	13	29
15	---	---	---	---	---	---	73	128	229	53	13	28
16	---	---	---	---	---	---	64	122	230	50	13	27
17	---	---	---	---	---	---	61	126	245	50	13	25
18	---	---	---	---	---	---	62	167	229	48	14	25
19	---	---	---	---	---	---	64	157	195	47	17	24
20	---	---	---	---	---	---	63	146	200	46	16	23
21	---	---	---	---	---	---	63	164	224	41	15	23
22	---	---	---	---	---	---	69	225	172	38	14	24
23	---	---	---	---	---	---	71	304	161	35	15	41
24	---	---	---	---	---	---	71	431	156	33	14	29
25	---	---	---	---	---	---	69	611	155	32	14	29
26	---	---	---	---	---	---	65	604	154	30	15	27
27	---	---	---	---	---	---	68	500	144	27	16	29
28	---	---	---	---	---	---	74	435	136	26	15	29
29	---	---	---	---	---	---	90	513	126	25	14	28
30	---	---	---	---	---	---	114	629	114	26	14	26
31	---	---	---	---	---	---	---	527	---	24	14	---
TOTAL	---	---	---	---	---	---	1946	8962	7883	1756	476	1021
MEAN	---	---	---	---	---	---	64.9	289	263	56.6	15.4	34.0
MAX	---	---	---	---	---	---	114	629	477	108	23	69
MIN	---	---	---	---	---	---	46	121	114	24	12	17
AC-FT	---	---	---	---	---	---	3860	17780	15640	3480	944	2030

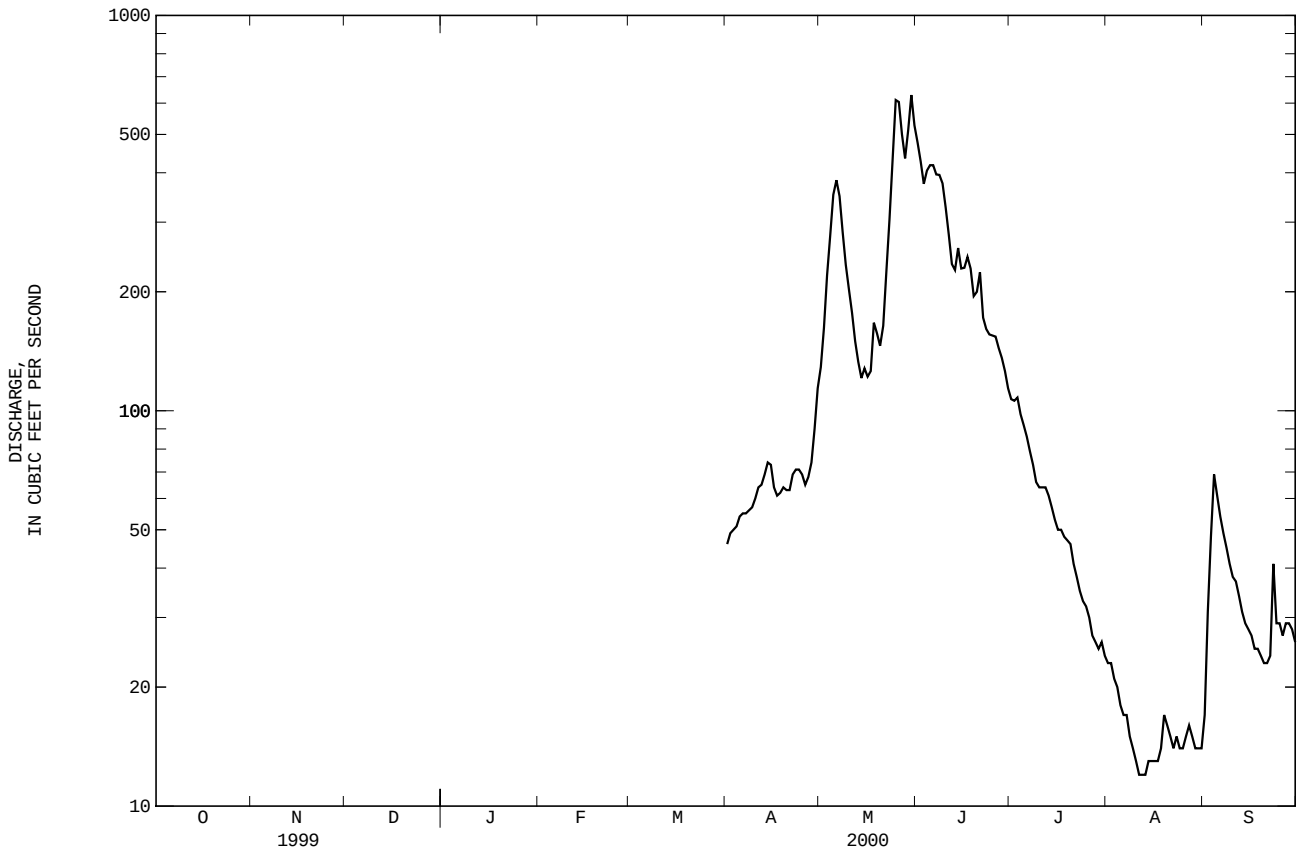
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2000, BY WATER YEAR (WY)

MEAN	30.2	21.2	13.2	11.1	12.1	21.8	60.3	238	424	179	50.0	30.9
MAX	75.6	41.0	21.7	22.9	26.0	46.7	148	454	905	510	155	83.9
(WY)	1928	1934	1969	1969	1969	1967	1983	1928	1986	1995	1930	1927
MIN	8.90	9.17	3.00	.30	.10	2.98	22.1	89.1	55.5	14.3	8.48	2.07
(WY)	1932	1961	1960	1960	1960	1961	1975	1933	1934	1934	1931	1931

09213500 BIG SANDY RIVER NEAR FARSON, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1915 - 2000*	
ANNUAL MEAN	--		86.7	
HIGHEST ANNUAL MEAN	--		148	1917
LOWEST ANNUAL MEAN	--		33.0	1934
HIGHEST DAILY MEAN	629	May 30	1690	Jun 4 1986
LOWEST DAILY MEAN	12	Aug 11-13	.00	Jan 27-31 1963
INSTANTANEOUS PEAK FLOW	727	May 29	1890	Jun 3 1986
INSTANTANEOUS PEAK STAGE	6.91	May 29	8.46	Jun 3 1986
ANNUAL RUNOFF (AC-FT)	--		62800	

* All statistics, except HIGHEST and LOWEST DAILY MEANS and INSTANTANEOUS PEAK FLOW and STAGE, are based on period(s) using complete water years only.
e Estimated.



09213700 BIG SANDY RESERVOIR NEAR FARSON, WY

LOCATION.--Lat 42°14'57", long 109°25'43", in NE$^{1}/_{4}$ NW$^{1}/_{4}$ NW$^{1}/_{4}$ sec.11, T.26 N., R.106 W., Sweetwater County, Hydrologic Unit 14040104, 10.1 mi north of Farson and 20.5 mi upstream from Little Sandy Creek.

DRAINAGE AREA.--386 mi^{2}.

PERIOD OF RECORD.--May 1987 to current year.

REVISED. --WDR WY-98-1: 1996, 1997.

GAGE.--Water-stage recorder. Datum of gage is 6,770.00 ft above sea level (levels by U.S. Bureau of Reclamation).

REMARKS.--Records good except those for June 26 to Sept. 30, which are fair, and those for estimated contents, which are poor. Reservoir is formed by an earthfill dam, storage began in April 1953. Total capacity, 54,385 acre-ft at elevation 6,762.8 ft, crest of spillway, including 1,425 acre-ft of dead storage in a permanent pool at elevation 6,720.0 ft, trash-rack sill. Reservoir is used for storage of irrigation water and for recreation. Figures given herein represent active storage. U.S. Geological Survey data collection platform with satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents recorded, 41,400 acre-ft, June 12, 1997, elevation, 6,758.71 ft, June 12, 1997; minimum contents recorded, 322 acre-ft, Sept. 15, 2000, elevation, 6,721.85 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents recorded, 36,000 acre-ft, June 11, elevation, 6,756.56; minimum contents recorded, 322 acre-ft, Sept. 15, elevation, 6,721.85 ft.

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

6,720	0	6,740	8,655	6,760	44,905
6,730	2,545	6,750	22,155		

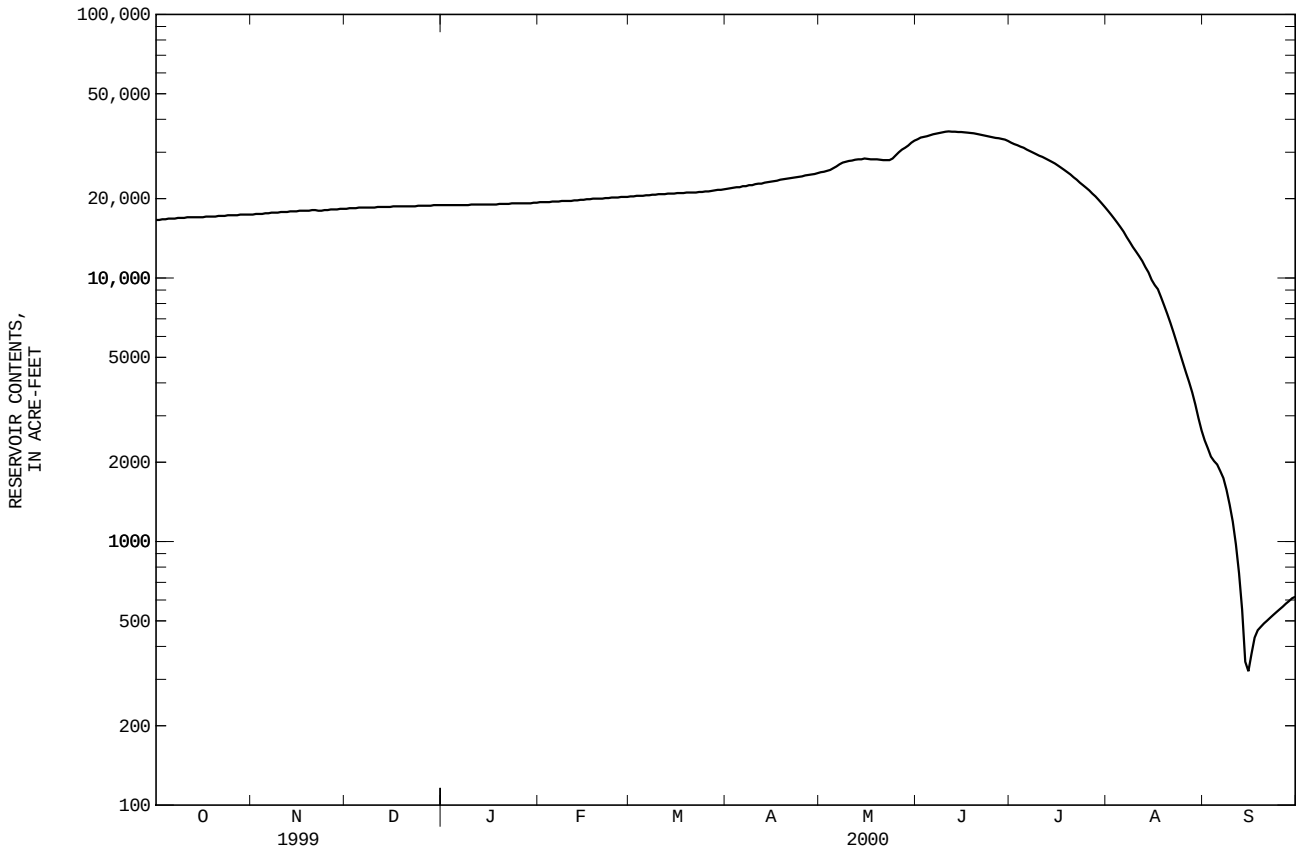
RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16600	17400	18300	18900	19400	20400	21800	25200	33600	32600	18000	2420
2	16600	17500	18400	18900	19400	20400	21900	25300	34100	32200	17400	2260
3	16700	17500	18400	18900	19400	20500	22000	25500	34300	31900	16800	2100
4	16700	17500	18400	18900	19400	20500	22100	25700	34500	31500	16200	2020
5	16800	17600	18500	18900	19500	20500	22100	26100	34800	31200	15600	1960
6	16800	17600	18500	18900	19500	20600	22300	26500	35100	30700	15000	1850
7	16800	17700	18500	18900	19500	20600	22300	27000	35300	30300	14300	1740
8	16900	17700	18500	18900	19600	20700	22500	27400	35500	29900	13700	1570
9	16900	17700	18500	18900	19600	20700	22500	27600	35700	29500	13100	1380
10	16900	17800	18500	19000	19600	20800	22700	27800	35900	29100	12600	1190
11	17000	17800	18600	19000	19600	20800	22800	27900	36000	28800	12100	976
12	17000	17800	18600	19000	19700	20800	22800	28100	35900	28400	11600	760
13	17000	17900	18600	19000	19700	20900	23000	28200	e35900	28000	11000	551
14	17000	17900	18600	19000	19800	20900	23100	28200	e35800	27600	10500	350
15	17000	17900	18600	19000	19800	20900	23200	28400	e35800	27200	9840	322
16	17000	18000	18700	19000	19900	21000	23300	28300	e35700	26700	9400	375
17	17100	18000	18700	e19000	19900	21000	23400	28200	e35600	26200	9070	432
18	17100	18000	18700	e19000	20000	21000	23600	28200	e35500	25700	8460	461
19	17100	18000	18700	e19100	20000	21100	23700	28200	e35400	25200	7870	475
20	17100	18100	18700	e19100	20000	21100	23800	28100	e35200	24700	7310	489
21	17200	18100	18700	e19100	20000	21100	23900	28000	e35000	24100	6760	501
22	17200	18000	18700	e19100	20100	21100	24000	28000	e34800	23600	6220	514
23	17200	18000	18700	e19200	20100	21200	24100	28000	e34600	23000	5700	527
24	17300	18100	18800	e19200	20200	21200	24200	28400	e34400	22500	5220	540
25	17300	18100	18800	e19200	20200	21300	24300	29200	e34200	22000	4780	553
26	17300	18200	18800	e19200	20200	21300	24500	30000	34000	21500	4380	566
27	17300	18200	18800	e19200	20300	21400	24600	30700	33900	20900	4030	581
28	17400	18200	18800	e19200	20300	21500	24700	31200	33700	20400	3680	594
29	17400	18300	18900	e19200	20300	21600	24800	31800	33500	19800	3310	609
30	17400	18300	18900	e19300	---	21600	25000	32600	33100	19200	2940	617
31	17400	---	18900	19300	---	21700	---	33200	---	18600	2640	---
MAX	17400	18300	18900	19300	20300	21700	25000	33200	36000	32600	18000	2420
MIN	16600	17400	18300	18900	19400	20400	21800	25200	33100	18600	2640	322
(#)	6747.3	6747.8	6748.1	6748.4	6749.0	6749.8	6751.5	6755.4	6755.3	6748.0	6730.2	6723.3
(*)	+900	+900	+600	+400	+1,000	+1,400	+3,300	+8,200	-100	-14,500	-15,960	-2,023

CAL YEAR 1999 MAX 41300 MIN 15600
WATER YEAR 1999 MAX 36000 MIN 322

(#) Elevation, in feet, at end of month.
(*) Change in contents, in acre-feet.
(e) Estimated.

09213700 BIG SANDY RESERVOIR NEAR FARSON, WY--Continued



09216050 BIG SANDY RIVER AT GASSON BRIDGE, NEAR EDEN, WY

LOCATION.--Lat 41°56'51", long 109°41'15", in NW¼ NW¼ NW¼ sec.29, T.23 N., R.108 W., Sweetwater County, Hydrologic Unit 14040104, on right bank 20 ft downstream from Gasson Bridge and 14.5 mi southwest of Eden.

DRAINAGE AREA.--1,720 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1972 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,350 ft above sea level, from topographic map. Prior to June 10, 1998, at site 1,250 ft upstream at present datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs and diversions for irrigation of about 19,300 acres upstream from station. Data collection platform with satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	51	e45	e31	e25	50	66	37	58	e54	53	67
2	50	49	e44	e29	e26	49	73	38	61	e54	54	73
3	49	49	e42	e27	e26	50	63	37	59	e54	56	72
4	52	51	e39	e26	e26	53	59	48	59	e54	58	69
5	58	53	e37	e26	e26	55	59	38	58	e55	61	70
6	54	52	e40	e27	e26	57	54	37	55	55	64	64
7	54	53	e45	e27	e26	59	52	55	54	56	62	58
8	53	54	e45	e27	e26	59	56	51	52	56	64	52
9	52	53	e43	e28	e26	62	54	46	53	55	61	53
10	53	50	e42	e28	e27	57	e58	45	60	71	59	51
11	52	53	e44	e28	e28	56	e60	44	58	68	62	55
12	51	50	e44	e28	e28	53	e60	46	57	71	61	56
13	51	50	e44	e28	e28	55	e57	52	56	68	58	57
14	50	49	e44	e28	e27	58	e54	50	e61	65	57	58
15	51	48	e44	e28	e27	65	e52	49	e60	55	60	57
16	48	48	e43	e29	e28	64	52	48	e58	55	52	57
17	52	50	e43	e29	e30	59	46	e46	e62	59	52	47
18	55	53	e44	e29	e28	57	50	e44	e60	63	55	44
19	53	48	e42	e30	e30	56	51	e48	e64	58	55	43
20	54	46	e41	e30	e35	61	54	e51	e68	60	56	43
21	53	49	e41	e30	e38	51	58	e55	72	58	50	44
22	53	46	e40	e29	e40	55	56	e60	66	58	49	46
23	53	39	e39	e29	e41	56	52	e64	e60	66	52	50
24	53	e38	e37	e30	e41	62	50	e65	58	64	55	52
25	53	e40	e36	e29	e41	61	49	e64	51	68	59	51
26	52	e44	e35	e28	e45	64	46	e65	52	65	65	51
27	52	e45	e35	e27	e47	75	44	e67	e55	54	69	49
28	54	e45	e35	e26	48	83	41	e64	e56	49	68	48
29	52	e45	e34	e26	48	78	40	e63	e55	52	59	45
30	49	e45	e33	e25	---	69	39	e61	e55	52	59	42
31	53	---	e32	e25	---	66	---	e61	---	53	68	---
TOTAL	1621	1446	1252	867	938	1855	1605	1599	1753	1825	1813	1624
MEAN	52.3	48.2	40.4	28.0	32.3	59.8	53.5	51.6	58.4	58.9	58.5	54.1
MAX	58	54	45	31	48	83	73	67	72	71	69	73
MIN	48	38	32	25	25	49	39	37	51	49	49	42
AC-FT	3220	2870	2480	1720	1860	3680	3180	3170	3480	3620	3600	3220

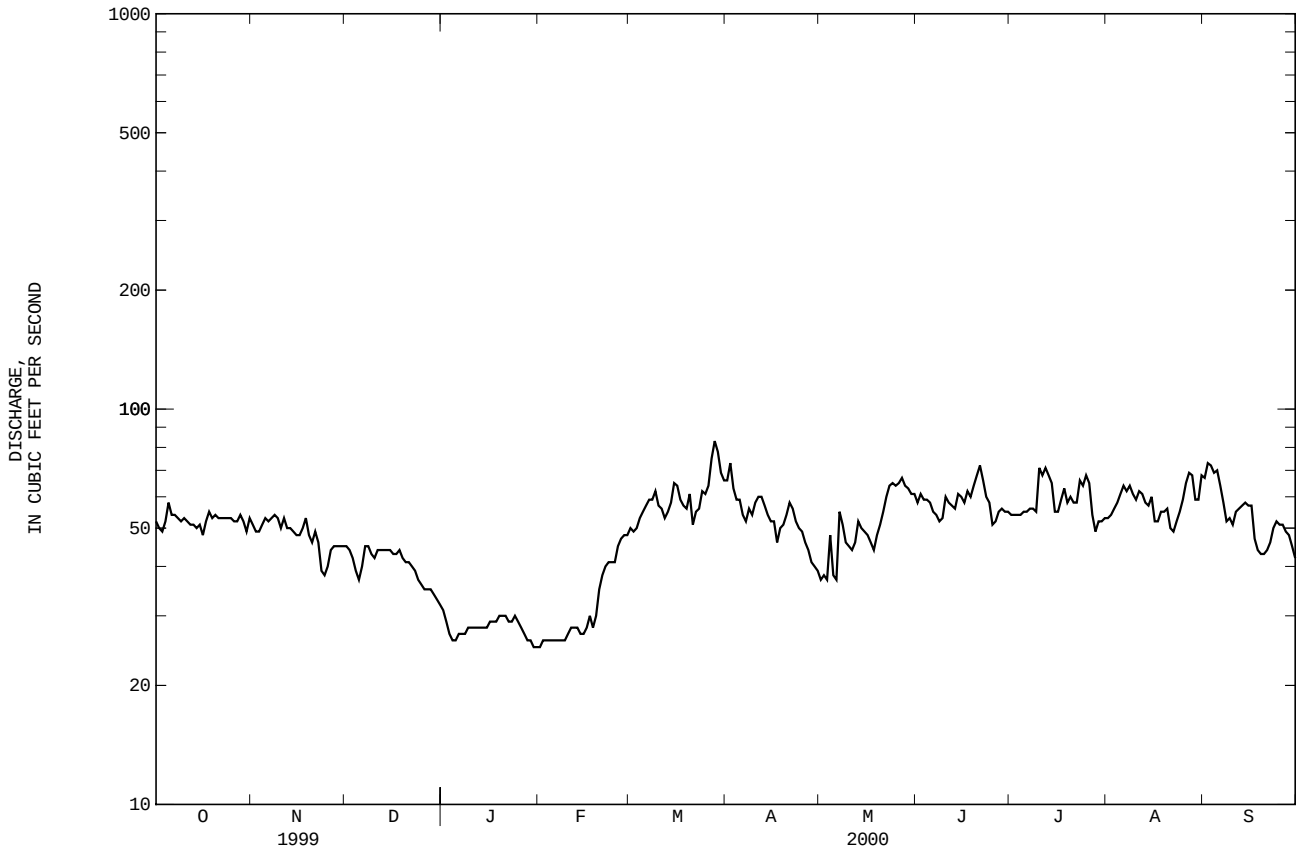
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2000, BY WATER YEAR (WY)

MEAN	62.5	54.9	39.1	31.6	34.2	86.7	113	79.5	153	110	81.2	74.2
MAX	102	149	60.4	55.5	74.0	393	462	208	627	340	119	100
(WY)	1984	1984	1976	1984	1982	1997	1980	1984	1986	1995	1983	1983
MIN	36.0	31.5	22.1	17.4	16.4	36.4	28.3	19.7	29.4	30.5	32.4	40.3
(WY)	1990	1991	1991	1990	1993	1976	1990	1990	1990	1989	1989	1989

09216050 BIG SANDY RIVER AT GASSON BRIDGE, NEAR EDEN, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1972 - 2000	
ANNUAL TOTAL	41324		18198		--	
ANNUAL MEAN	113		49.7		75.6	
HIGHEST ANNUAL MEAN	--		--		139	1983
LOWEST ANNUAL MEAN	--		--		30.6	1990
HIGHEST DAILY MEAN	720	Jun 25	83	Mar 28	5530	Apr 24 1980
LOWEST DAILY MEAN	25	Jan 28	25	Jan 30-Feb 1	7.0	Dec 24 1990
ANNUAL SEVEN-DAY MINIMUM	30	Jan 27	26	Jan 28	11	Dec 22 1990
INSTANTANEOUS PEAK FLOW	--		129	Mar 27	7430[a]	Apr 24 1980
INSTANTANEOUS PEAK STAGE	--		5.23[b]	Jan 28	10.58	Apr 24 1980
ANNUAL RUNOFF (AC-FT)	81970		36100		54800	
10 PERCENT EXCEEDS	280		64		113	
50 PERCENT EXCEEDS	73		52		56	
90 PERCENT EXCEEDS	35		29		29	

a From rating curve extended above 2,000 ft^3/s on basis of slope-area measurement of peak flow.
b Backwater from ice.
e Estimated.



09217000 GREEN RIVER NEAR GREEN RIVER, WY

LOCATION.--Lat 41°30'59", long 109°26'54", in NW$^1/_4$ NE$^1/_4$ NE$^1/_4$ sec.26, T.18 N., R.107 W., Sweetwater County, Hydrologic Unit 14040106, on right bank 0.1 mi downstream from Bitter Creek, 1.0 mi southeast of town of Green River, and 4.0 mi upstream from high-water line of Flaming Gorge Reservoir.

DRAINAGE AREA.--14,000 mi^2, of which 4,260 mi^2, including 3,959 mi^2 in Great Divide Basin in southern Wyoming, probably is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1951 to current year.

REVISED RECORDS.--WSP 1713: 1957. WDR-76-2: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,060 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Some regulation by Fontenelle Reservoir (station 09211150) since August 1963. Natural flow of stream affected by transbasin diversions, storage reservoirs, power generation, and diversions for irrigation of about 223,000 acres upstream from station. National Weather Service data collection platform with satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge observed, 22,200 ft^3/s, June 19, 1918, at site 1.5 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1230	1230	e1100	e1120	e1000	1180	1250	1360	1500	1350	925	960
2	1210	1250	e1150	e1100	e1040	1170	1230	1360	1520	1350	918	969
3	1220	1180	e1140	e1060	e1100	1170	1230	1340	1470	1340	922	976
4	1240	1180	e1100	e1050	e1070	1170	1240	1370	1460	1320	938	937
5	1250	1180	e1100	e1100	e1020	1190	1240	1380	1440	1340	930	915
6	1250	1180	e1100	e1100	e1040	1200	1230	1360	1420	1350	935	913
7	1240	1190	e1100	e1090	e1100	1210	1220	1350	1530	1350	937	923
8	1220	1190	e1130	e1130	e1150	1200	1220	1350	1540	1350	948	931
9	1220	1190	e1200	e1150	e1200	1220	1230	1380	1660	1340	950	928
10	1220	1180	e1180	e1190	e1150	1220	1220	1400	1620	1350	959	924
11	1230	1190	e1170	e1180	e1190	1220	1230	1430	1600	1290	958	908
12	1220	1220	e1180	e1120	e1170	1200	1250	1390	1570	1120	940	891
13	1210	1230	e1180	e1100	e1120	1190	1240	1400	1560	976	953	870
14	1210	1230	e1170	e1130	e1100	1200	1250	1380	1540	861	949	828
15	1210	1250	e1170	e1100	e1160	1220	1270	1360	1570	788	944	815
16	1210	1260	e1200	e1100	e1200	1230	1220	1420	1550	769	953	816
17	1220	1240	e1250	e1140	e1120	1210	1210	1440	1560	766	935	823
18	1230	1250	e1300	e1140	e1090	1190	1190	1470	1550	763	921	811
19	1250	1240	e1200	e1180	e1090	1210	1310	1450	1590	752	945	806
20	1230	e1240	e1150	e1180	e1060	1230	1370	1420	1570	739	938	798
21	1220	e1200	e1100	e1150	e1040	1220	1390	1450	1540	752	912	793
22	1220	e1140	e1100	e1150	e1020	1220	1390	1430	1530	754	916	812
23	1220	e1100	e1070	e1100	e1080	1220	1380	1400	1520	753	926	860
24	1220	e1050	e1100	e1130	e1110	1210	1350	1440	1510	738	931	879
25	1210	e1100	e1040	e1100	e1100	1240	1340	1360	1510	735	925	856
26	1240	e1170	e1100	e1100	e1110	1240	1340	1440	1490	727	939	848
27	1230	e1150	e1140	e1100	e1180	1270	1340	1410	1500	731	979	844
28	1240	e1100	e1140	e1050	e1200	1270	1350	1400	1420	720	939	828
29	1240	e1100	e1180	e1050	1190	1280	1340	1410	1340	754	939	825
30	1240	e1100	e1200	e960	---	1270	1340	1460	1340	861	959	817
31	1250	---	e1180	e940	---	1270	---	1430	---	919	979	---
TOTAL	38050	35510	35620	34290	32200	37740	38410	43440	45520	30708	29142	26104
MEAN	1227	1184	1149	1106	1110	1217	1280	1401	1517	991	940	870
MAX	1250	1260	1300	1190	1200	1280	1390	1470	1660	1350	979	976
MIN	1210	1050	1040	940	1000	1170	1190	1340	1340	720	912	793
AC-FT	75470	70430	70650	68010	63870	74860	76190	86160	90290	60910	57800	51780

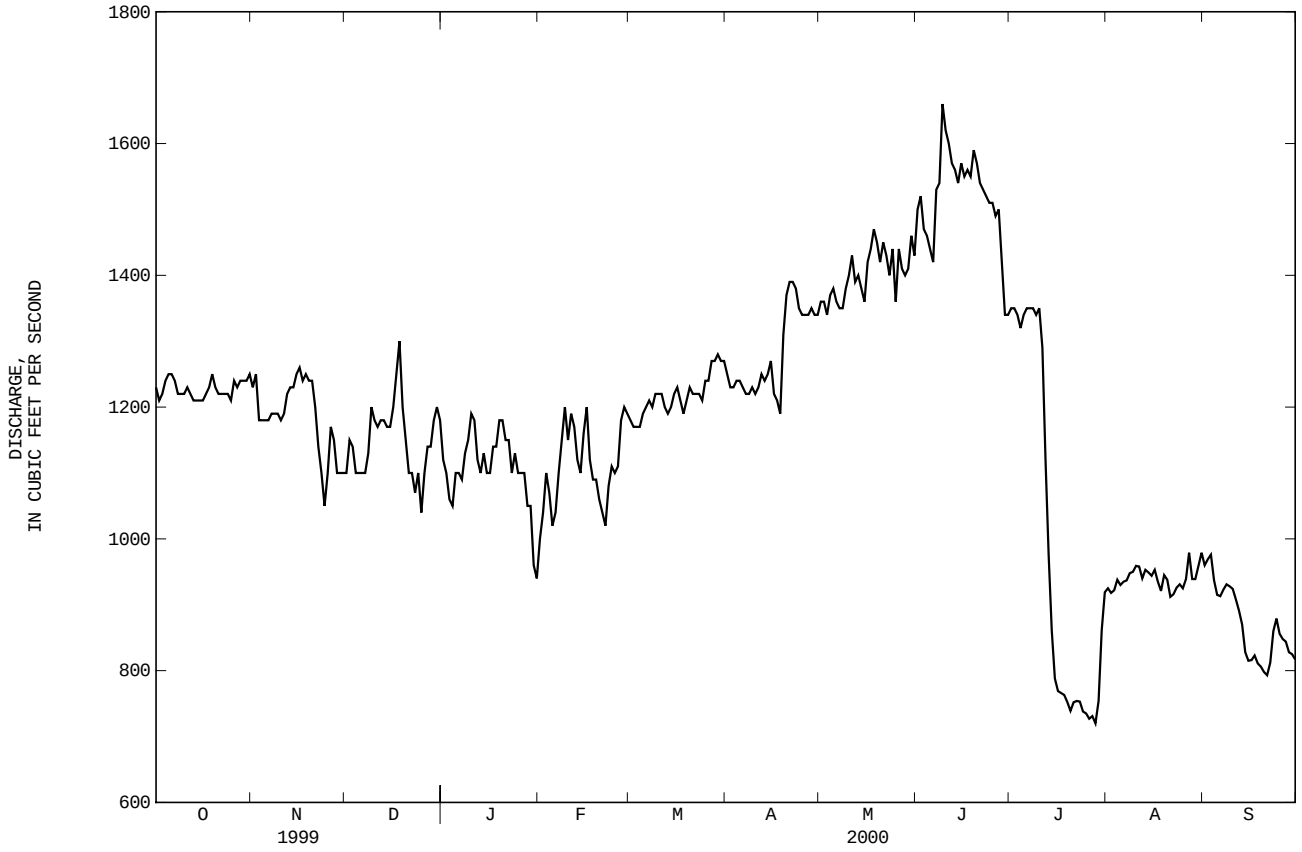
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2000, BY WATER YEAR (WY)

MEAN	974	860	740	757	830	1051	1650	2614	4906	3290	1590	1142
MAX	3109	1844	1419	1442	1980	1852	3416	5665	11700	9415	3577	7746
(WY)	1983	1984	1972	1996	1974	1974	1962	1952	1986	1986	1982	1965
MIN	279	281	272	266	267	350	516	434	414	368	372	251
(WY)	1989	1989	1989	1989	1989	1989	1968	1992	1977	1977	1977	1988

09217000 GREEN RIVER NEAR GREEN RIVER, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1952 - 2000	
ANNUAL TOTAL	862710		426734		--	
ANNUAL MEAN	2364		1166		1702	
HIGHEST ANNUAL MEAN	--		--		3089	1986
LOWEST ANNUAL MEAN	--		--		689	1977
HIGHEST DAILY MEAN	9220	Jun 6	1660	Jun 9	16700	Sep 7 1965
LOWEST DAILY MEAN	910	Jan 29	720	Jul 28	170	Nov 16 1955
ANNUAL SEVEN-DAY MINIMUM	939	Jan 27	737	Jul 22	214	Dec 24 1962
INSTANTANEOUS PEAK FLOW	--		1730	Jun 9	16800[a]	Sep 7 1965
INSTANTANEOUS PEAK STAGE	--		3.70[b]	Dec 17	8.53[a]	Sep 7 1965
ANNUAL RUNOFF (AC-FT)	1711000		846400		1233000	
10 PERCENT EXCEEDS	7020		1420		3750	
50 PERCENT EXCEEDS	1370		1190		1100	
90 PERCENT EXCEEDS	1120		903		456	

a Caused by emergency release from Fontenelle Reservoir.
b Backwater from ice.
e Estimated.



09217000 GREEN RIVER NEAR GREEN RIVER, WY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1951 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: May 1951 to September 1992.
WATER TEMPERATURES: May 1951 to September 1992.
SUSPENDED-SEDIMENT DISCHARGE: May 1951 to September 1992.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
NOV												
18...	1020	1250	610	102	10.4	8.4	511	8.0	5.0	190	47.5	17.6
JAN												
27...	1000	1100	615	93	10.9	8.0	548	-4.0	.0	210	52.4	19.2
MAR												
30...	0945	1270	615	101	10.6	8.1	665	2.0	4.0	230	57.0	21.0
MAY												
25...	1545	1110	610	109	8.4	8.2	507	19.0	17.0	190	47.8	17.4
JUL												
19...	1610	769	615	125	8.6	8.8	484	29.0	23.0	160	38.7	14.3
SEP												
07...	1345	930	610	114	8.8	8.8	462	21.5	17.0	160	39.3	15.0

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
NOV											
18...	1.4	1	35.1	146	5.6	.2	6.2	117	.43	1070	318
JAN											
27...	1.4	1	34.2	160	4.9	.2	7.6	126	.46	1010	341
MAR											
30...	1.7	1	44.6	170	6.3	.3	7.0	168	.56	1400	408
MAY											
25...	1.8	1	31.4	151	5.5	.2	5.5	111	.42	932	311
JUL											
19...	1.6	1	35.2	117	4.5	.2	3.7	117	.39	593	286
SEP											
07...	1.6	1	36.2	122	4.8	.2	3.8	108	.38	708	282

09217010 GREEN RIVER BELOW GREEN RIVER, WY

LOCATION.--Lat 41°29'46", long 109°26'17", in $SW^1/_4$ $SE^1/_4$ $NW^1/_4$ sec.36, T.18 N., R.107 W., Sweetwater County, Hydrologic Unit 14040106, at bridge on county road, 1.7 mi downstream from Bitter Creek, 2.7 mi southeast of town of Green River, and 3.3 mi upstream from Logan Draw.

PERIOD OF RECORD.--Water years 1974 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
NOV												
18...	0915	1250	580	2.5	3.5	.23	<.020	.050	<.010	<.050	<.010	E.030
JAN												
27...	0830	1100	605	-4.5	.0	.23	.047	.072	<.010	<.050	<.010	<.050
MAR												
30...	0830	1270	760	1.0	4.0	.38	.044	.094	<.010	.108	.017	.094
MAY												
25...	1220	1110	554	17.0	15.5	.33	<.020	<.050	<.010	<.050	<.010	E.040
JUL												
19...	1810	769	504	27.0	23.0	.34	<.020	<.050	<.010	<.050	.014	E.042
SEP												
07...	1515	930	474	25.0	17.0	.38	<.020	<.050	<.010	<.050	<.010	E.040

E Estimated.

09217900 BLACKS FORK NEAR ROBERTSON, WY

LOCATION.--Lat 40°57'33", long 110°34'46", in SW¼ SW¼ SW¼ sec.27, T.3 N., R.12 E., Summit County, Utah, Hydrologic Unit 14040107, on left bank 1 mi downstream from East Fork, 2.7 mi south of Utah-Wyoming State line, and 18 mi south of Robertson.

DRAINAGE AREA.--130 mi².

PERIOD OF RECORD.--October 1937 to July 1939 (published as "at Blacks Fork Ranger Station"), July 1966 to September 1986, October 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is 8,811.3 ft above sea level (Bureau of Reclamation benchmark). Datums published from October 1968 to September 1978 are incorrect. October 1937 to July 1939, at site 970 ft downstream at different datum, July 1966 to September 1986 and October 1992 to September 1993 at site 0.2 mi downstream at datum 6.5 ft lower.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Data collection platform with satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)
May 23	2130	*1,250	*3.98
May 29	2130	1,190	3.93

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	27	e17	e29	e24	e21	e29	200	483	100	34	51
2	39	26	e18	e29	e25	e22	29	269	441	93	38	68
3	41	26	e18	e28	e26	e23	33	331	422	87	42	48
4	39	28	e17	e29	e27	e24	61	407	402	83	44	41
5	39	25	e17	e30	e26	e25	70	456	385	78	36	39
6	37	24	e18	e30	e26	e24	71	432	362	73	31	39
7	42	25	e20	e29	e25	e23	69	398	338	69	30	38
8	43	23	e22	e30	e25	e21	81	340	324	66	30	38
9	39	20	e24	e31	e26	e20	85	270	296	67	29	49
10	36	22	e26	e32	e27	e19	84	279	230	75	29	39
11	34	23	e28	e31	e28	e18	89	275	203	79	27	35
12	33	22	e30	e30	e27	e17	100	216	194	64	25	35
13	32	20	e31	e29	e26	e16	109	186	208	61	25	34
14	31	21	e32	e29	e27	e15	112	184	186	59	24	34
15	31	24	e32	e30	e28	e14	99	203	182	57	24	34
16	26	25	e33	e31	e29	e15	91	242	175	59	25	32
17	36	21	e34	e31	e28	e16	98	232	157	62	24	33
18	34	18	e33	e32	e27	e16	105	224	173	52	25	34
19	29	e19	e31	e33	e26	e17	95	247	198	56	35	34
20	30	e18	e30	e31	e25	e16	95	279	152	53	25	34
21	28	e17	e31	e30	e24	e17	106	381	131	50	23	37
22	28	e16	e32	e29	e23	e19	110	505	126	47	23	65
23	28	e15	e31	e28	e24	e20	107	775	121	45	26	67
24	27	e14	e30	e29	e25	e21	103	930	118	46	26	59
25	25	e16	e30	e30	e26	e23	104	885	119	50	25	61
26	26	e17	e31	e31	e25	e25	132	861	120	50	33	58
27	26	e18	e31	e29	e24	e27	172	562	120	43	77	50
28	27	e19	e32	e28	e22	e29	218	718	108	39	40	47
29	25	e18	e31	e27	e21	e30	192	909	102	39	34	46
30	30	e17	e30	e26	---	e29	163	794	101	37	39	44
31	33	---	e29	e25	---	e28	---	623	---	35	50	---
TOTAL	1017	624	849	916	742	650	3012	13613	6677	1874	998	1323
MEAN	32.8	20.8	27.4	29.5	25.6	21.0	100	439	223	60.5	32.2	44.1
MAX	43	28	34	33	29	30	218	930	483	100	77	68
MIN	25	14	17	25	21	14	29	184	101	35	23	32
AC-FT	2020	1240	1680	1820	1470	1290	5970	27000	13240	3720	1980	2620

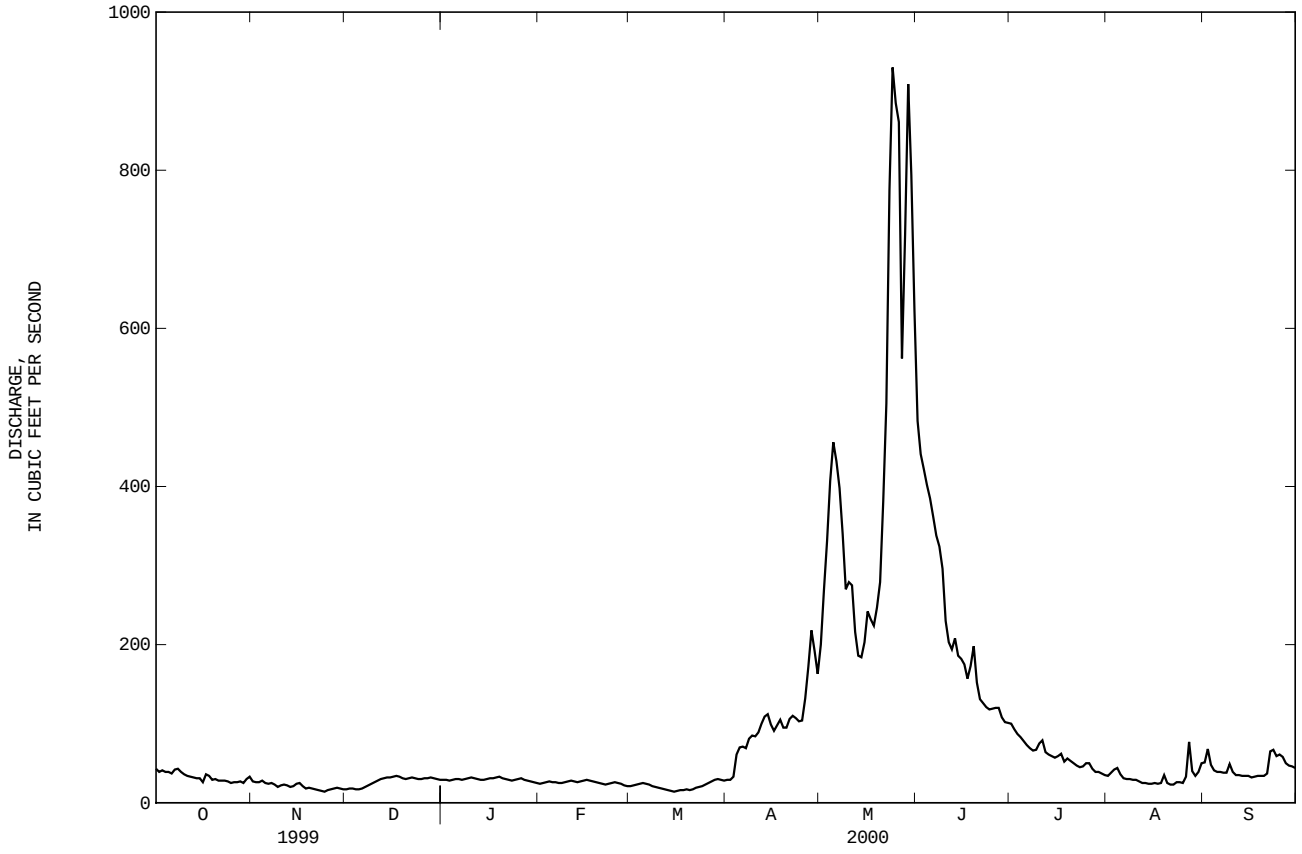
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2000, BY WATER YEAR (WY)

MEAN	53.9	40.4	32.8	27.4	24.3	25.3	51.0	399	780	341	110	69.1
MAX	136	62.0	50.0	55.7	36.9	38.6	112	789	1273	1003	232	157
(WY)	1983	1974	1974	1997	1974	1969	1985	1984	1983	1975	1983	1982
MIN	23.9	20.8	11.1	6.73	9.32	9.78	19.4	134	223	60.5	32.2	37.3
(WY)	1993	2000	1977	1977	1977	1994	1975	1975	2000	2000	2000	1976

09217900 BLACKS FORK NEAR ROBERTSON, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1966 - 2000	
ANNUAL TOTAL	62734		32295		--	
ANNUAL MEAN	172		88.2		163	
HIGHEST ANNUAL MEAN	--		--		228	1983
LOWEST ANNUAL MEAN	--		--		79.3	1977
HIGHEST DAILY MEAN	1680	Jun 17	930	May 24	1880	Jun 19 1983
LOWEST DAILY MEAN	14	Nov 24	14	Nov 24,Mar 15	3.2	Apr 2 1994
ANNUAL SEVEN-DAY MINIMUM	16	Apr 3	16	Mar 12	3.9	Apr 2 1994
INSTANTANEOUS PEAK FLOW	--		1250	May 23	2480[a]	Jun 19 1983
INSTANTANEOUS PEAK STAGE	--		3.98	May 23	5.17	Jun 15 1995
ANNUAL RUNOFF (AC-FT)	124400		64060		118300	
10 PERCENT EXCEEDS	705		220		500	
50 PERCENT EXCEEDS	32		32		46	
90 PERCENT EXCEEDS	18		20		21	

a Gage height, 4.91 ft, site and datum then in use.
e Estimated.



09222000 BLACKS FORK NEAR LYMAN, WY

LOCATION.--Lat 41°27'08", long 110°10'20", in SW$^1/_4$ NW$^1/_4$ SW$^1/_4$ sec.15, T.17 N., R.113 N., Uinta County, Hydrologic Unit 14040107, 200 ft downstream from bridge on old U.S. Highway 30S, 8.5 mi downstream from Smiths Fork, and 11 mi northeast of Lyman.

DRAINAGE.--821 mi^2.

PERIOD OF RECORD.--Water years 1962 to 1989, October 1995 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: May 1962 to September 1983.
WATER TEMPERATURES: May 1962 to September 1983.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
NOV												
17...	1630	68	598	102	10.5	8.6	1640	13.0	3.5	<1	145	26
MAR												
29...	1400	128	604	105	10.0	8.4	1000	11.0	7.0	K6	905	313
JUN												
27...	1350	47	606	112	8.0	8.4	1620	23.0	20.0	21	170	21
SEP												
13...	1730	45	610	111	7.8	8.3	3880	27.5	21.0	11	50	6.1

K Results based on colony count outside the acceptable range (non-ideal colony count).

09223000 HAMS FORK BELOW POLE CREEK, NEAR FRONTIER, WY

LOCATION.--Lat 42°06'38", long 110°42'32", in NE$^1/_4$ SE$^1/_4$ NW$^1/_4$ sec.35, T.25 N., R.117 W., Lincoln County, Hydrologic Unit 14040107, on left bank 2.0 mi downstream from Pole Creek, 4.6 mi upstream from Taylor Creek, and 22 mi northwest of Frontier.

DRAINAGE AREA.--128 mi^2.

PERIOD OF RECORD.--October 1952 to current year. Prior to October 1970, published as "near Elk Creek ranger station."

GAGE.--Water-stage recorder. Elevation of gage is 7,455 ft above sea level, from topographic map. October 1952 to Sept. 2, 1971, at site 270 ft upstream at present datum, Sept. 3, 1971, to July 30, 1980, at site 150 ft upstream at present datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. No diversion upstream from station. National Weather Service data collection platform with satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 350 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 5	0500	*412	*4.10
May 25	2100	412	4.10

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	23	e24	e16	e16	e17	e55	274	287	53	16	17
2	28	23	e21	e16	e17	e18	e52	303	258	52	15	15
3	28	23	e20	e15	e17	e19	e62	320	236	49	16	13
4	28	23	e19	e15	e18	e19	e80	358	223	48	16	11
5	28	23	e19	e15	e19	e20	e95	370	214	51	15	9.7
6	28	22	e18	e15	e20	e21	e91	382	203	47	14	8.5
7	28	21	e17	e15	e21	e20	e88	380	191	45	12	9.1
8	26	21	e17	e16	e22	e19	e86	332	182	43	11	10
9	25	21	e16	e17	e21	e18	e94	284	183	45	10	9.1
10	26	20	e15	e18	e20	e18	e100	255	175	45	11	8.8
11	26	20	e15	e18	e21	e17	e115	235	156	51	13	8.4
12	25	19	e14	e19	e22	e17	e125	208	141	47	10	9.0
13	25	19	e14	e20	e23	e16	e120	210	141	43	8.9	10
14	25	17	e15	e20	e22	e16	e135	222	127	38	8.4	12
15	24	19	e17	e19	e21	e17	e125	212	117	35	7.9	14
16	23	e22	e18	e18	e20	e17.5	e110	213	112	34	7.8	12
17	22	e26	e18	e18	e19	e18	e97	217	110	34	7.8	13
18	21	e25	e19	e19	e18	e19	e90	212	100	33	7.5	16
19	22	e23	e21	e19	e17	e22	e82	202	104	29	8.5	18
20	23	e22	e20	e20	e18	e20	e93	224	94	29	8.1	20
21	23	e23	e20	e21	e19	e22	121	256	84	29	7.4	20
22	23	e23	e20	e20	e20	e25	141	281	79	28	7.2	25
23	23	e22	e19	e20	e20	e26	163	325	74	27	8.2	28
24	23	e22	e19	e20	e19	e26	160	365	69	24	8.6	25
25	23	e20	e18	e19	e18	e28	140	394	67	22	7.8	32
26	23	e18	e18	e20	e18	e29	163	389	65	22	8.2	29
27	23	e19	e17	e20	e17	e33	245	349	62	22	9.3	23
28	23	e21	e17	e19	e16	e39	320	335	59	20	8.3	19
29	23	e23	e16	e18	e15	e48	326	337	56	19	7.9	18
30	23	e25	e17	e17	---	e43	279	331	53	19	7.8	17
31	23	---	e16	e16	---	e47	---	311	---	17	16	---
TOTAL	762	648	554	558	554	734.5	3953	9086	4022	1100	320.6	479.6
MEAN	24.6	21.6	17.9	18.0	19.1	23.7	132	293	134	35.5	10.3	16.0
MAX	28	26	24	21	23	48	326	394	287	53	16	32
MIN	21	17	14	15	15	16	52	202	53	17	7.2	8.4
AC-FT	1510	1290	1100	1110	1100	1460	7840	18020	7980	2180	636	951

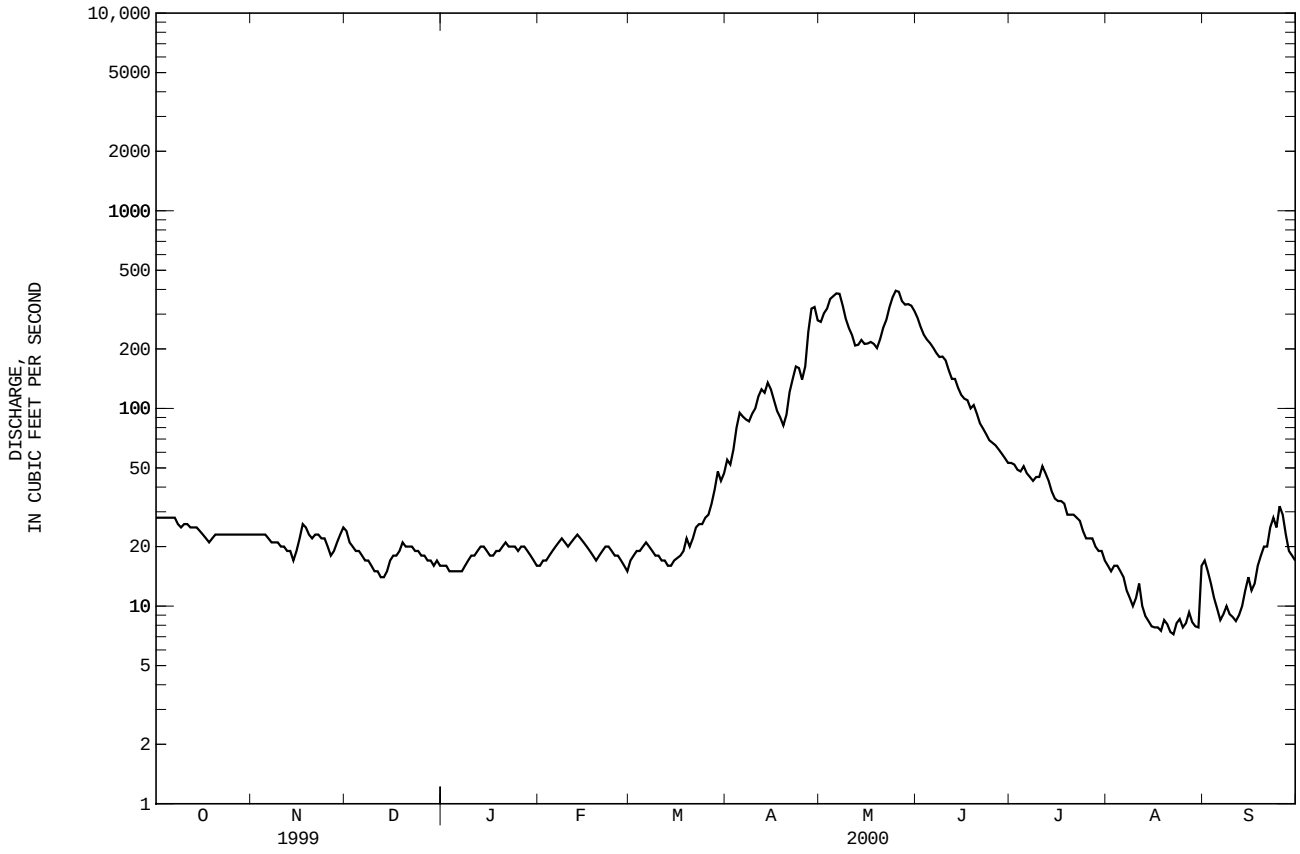
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2000, BY WATER YEAR (WY)

MEAN	22.3	19.7	16.3	14.9	15.4	20.9	104	422	402	98.8	30.2	21.8
MAX	54.2	34.4	27.8	26.4	29.1	38.2	398	970	1039	296	64.0	51.9
(WY)	1983	1983	1984	1984	1958	1958	1971	1971	1986	1975	1983	1984
MIN	11.1	9.37	9.37	6.23	5.61	6.77	19.8	40.5	24.0	9.32	4.55	7.47
(WY)	1993	1961	1991	1967	1967	1965	1975	1977	1977	1977	1992	1994

09223000 HAMS FORK BELOW POLE CREEK, NEAR FRONTIER, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1953 - 2000	
ANNUAL TOTAL	46084		22771.7		--	
ANNUAL MEAN	126		62.2		99.2	
HIGHEST ANNUAL MEAN	--		--		214	1971
LOWEST ANNUAL MEAN	--		--		17.7	1977
HIGHEST DAILY MEAN	1060	May 30	394	May 25	2000	Jun 5 1986
LOWEST DAILY MEAN	10	Mar 17	7.2	Aug 22	.10	Aug 17 1977
ANNUAL SEVEN-DAY MINIMUM	10	Mar 17	7.8	Aug 16	.62	Aug 11 1977
INSTANTANEOUS PEAK FLOW	--		412[a]	May 5	2230[b]	Jun 5 1986
INSTANTANEOUS PEAK STAGE	--		5.82[c]	Dec 31	8.10[d]	May 28 1971
ANNUAL RUNOFF (AC-FT)	91410		45170		71880	
10 PERCENT EXCEEDS	493		212		311	
50 PERCENT EXCEEDS	28		22		23	
90 PERCENT EXCEEDS	14		13		12	

a Gage height, 4.10 ft.
b Gage height, 6.72 ft.
c Backwater from ice.
d Site then in use.
e Estimated.



09224050 HAMS FORK NEAR DIAMONDVILLE, WY

LOCATION.--Lat 41°45'06", long 110°31'57", in NW$^{1}/_{4}$ SE$^{1}/_{4}$ SW$^{1}/_{4}$ sec.36, T.21 N., R.116 W., Lincoln County, Hydrologic Unit 14040107, at bridge on U.S. Highway 30 North, 1.9 mi south of Diamondville, and 2.8 mi south of Kemmerer.

PERIOD OF RECORD.--Water years 1974 to September 1989, October 1992 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
NOV							
16...	1530	37	600	136	14.0	9.0	486
MAR							
29...	0850	78	600	105	12.0	7.8	624
JUN							
15...	1000	112	597	146	11.5	8.4	385
SEP							
13...	1400	26	602	147	11.8	8.8	395

DATE	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV							
16...	15.0	4.0	<.020	.309	<.010	.019	K14
MAR							
29...	-2.5	.0	.022	.106	<.010	.012	30
JUN							
15...	17.0	15.0	<.020	<.050	<.010	<.010	55
SEP							
13...	25.0	14.5	<.020	.121	<.010	.026	18

K Results based on colony count outside the acceptable range (non-ideal colony count).

09224700 BLACKS FORK NEAR LITTLE AMERICA, WY

LOCATION.--Lat 41°32'46", long 109°41'34", in NE$^1/_4$ NE$^1/_4$ NE$^1/_4$ sec.15, T.18 N., R.109 W., Sweetwater County, Hydrologic Unit 14040107, on right bank 200 ft upstream from bridge on U.S. Highway 30, 4.2 mi upstream from Meadow Springs Wash, and 8.5 mi east of Little America.

DRAINAGE AREA.--3,100 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is 6,127.66 ft above sea level.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Natural flow of stream affected by regulation from Meeks Cabin Reservoir, capacity, 32,470 acre-ft, since June 1971, Viva Naughton Reservoir, capacity, 42,400 acre-ft, from State Line Reservoir, capacity, 14,000 acre-ft, since April 1980, numerous smaller reservoirs, and diversions for upstream mines and irrigation of about 76,100 acres upstream from station. National Weather Service data collection platform with satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	135	139	e90	e93	e99	e160	238	269	343	52	8.9	3.0
2	129	138	e78	e95	e98	e170	214	264	299	50	8.3	2.4
3	123	137	e79	e94	e100	e180	202	209	232	42	7.5	13
4	116	138	e80	e93	e103	e190	200	185	232	38	6.8	31
5	116	143	e78	e90	e110	e200	194	207	250	36	6.1	23
6	116	141	e78	e88	e113	e220	189	238	235	37	5.0	16
7	117	141	e76	e87	e120	e230	211	258	177	34	3.5	14
8	118	129	e74	e86	e130	e240	242	247	151	28	2.4	13
9	110	127	e78	e89	e135	e250	235	225	134	27	1.8	10
10	103	129	e74	e90	e134	e230	205	216	115	28	1.6	6.1
11	100	134	e76	e92	e140	e220	189	208	107	32	1.9	6.7
12	95	131	e74	e96	e145	e220	194	196	106	40	1.5	6.5
13	90	130	e77	e100	e150	e210	198	215	102	65	1.1	5.3
14	89	129	e80	e107	e145	e225	216	232	91	64	.83	4.4
15	87	120	e82	e100	e158	252	371	272	87	43	.46	3.6
16	86	116	e86	e96	e148	245	408	358	84	33	.22	3.1
17	84	120	e84	e100	e144	244	430	335	80	29	.22	2.8
18	86	124	e82	e104	e140	217	395	263	76	29	.32	2.2
19	90	103	e82	e108	e138	209	367	197	75	27	.58	1.9
20	98	104	e86	e112	e143	194	347	163	77	23	.74	1.9
21	107	78	e90	e115	e156	189	340	136	81	22	.33	1.7
22	110	166	e88	e113	e161	183	334	133	90	20	.23	4.0
23	110	75	e86	e110	e169	173	313	119	82	17	.20	11
24	110	71	e90	e107	e170	200	304	115	74	15	.17	154
25	110	92	e90	e104	e170	260	309	115	66	12	.16	102
26	114	e100	e92	e108	e168	251	313	134	58	12	.16	218
27	115	e115	e91	e114	e160	234	307	141	55	11	.16	170
28	120	e120	e89	e118	e155	249	288	297	52	10	.17	194
29	125	e130	e86	e110	e150	255	275	415	53	8.8	.17	129
30	128	e110	e89	e108	---	275	261	402	55	7.8	.17	86
31	138	---	e90	e100	---	254	---	367	---	7.9	1.5	---
TOTAL	3375	3630	2575	3127	4052	6829	8289	7131	3719	900.5	63.19	1239.6
MEAN	109	121	83.1	101	140	220	276	230	124	29.0	2.04	41.3
MAX	138	166	92	118	170	275	430	415	343	65	8.9	218
MIN	84	71	74	86	98	160	189	115	52	7.8	.16	1.7
AC-FT	6690	7200	5110	6200	8040	13550	16440	14140	7380	1790	125	2460

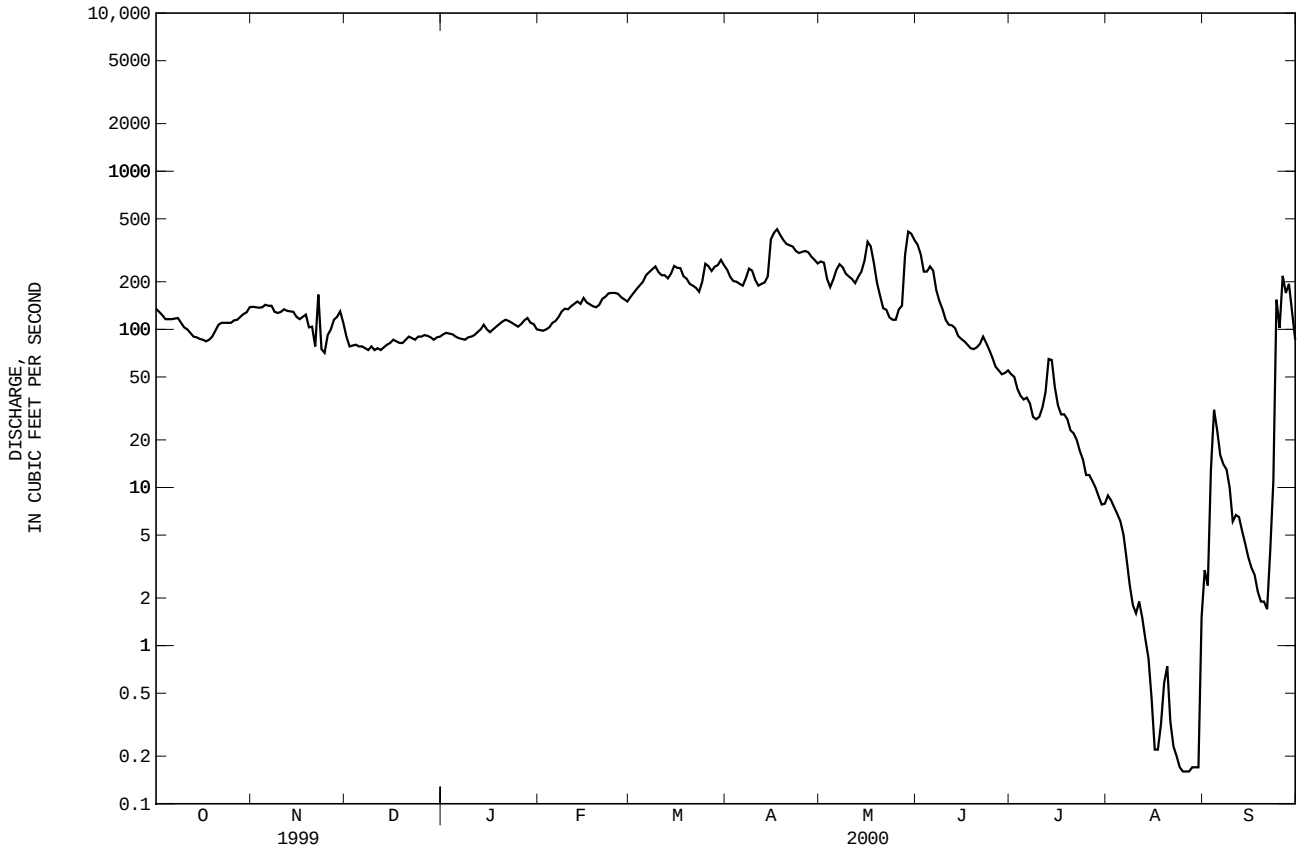
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2000, BY WATER YEAR (WY)

MEAN	102	110	79.5	82.1	114	340	510	976	1111	326	113	88.7
MAX	376	336	230	371	318	912	1310	2918	4573	1349	542	576
(WY)	1983	1983	1984	1971	1984	1997	1973	1984	1983	1975	1983	1983
MIN	7.05	13.6	5.44	3.94	26.4	33.9	51.2	21.1	14.0	4.36	.55	.000
(WY)	1980	1995	1995	1991	1989	1964	1990	1977	1977	1977	1994	1994

09224700 BLACKS FORK NEAR LITTLE AMERICA, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1962 - 2000	
ANNUAL TOTAL	184808		44930.29		--	
ANNUAL MEAN	506		123		331	
HIGHEST ANNUAL MEAN	--		--		888	1983
LOWEST ANNUAL MEAN	--		--		29.0	1977
HIGHEST DAILY MEAN	3000	May 30	430	Apr 17	9340	Jun 13 1965
LOWEST DAILY MEAN	63	Aug 28	.16	Aug 25-27	.00	Many days, several years
ANNUAL SEVEN-DAY MINIMUM	71	Aug 24	.17	Aug 24	.00[b]	Sep 20 1962
INSTANTANEOUS PEAK FLOW	--		435[a]	Apr 16	9980[b]	Jun 13 1965
INSTANTANEOUS PEAK STAGE	--		5.94[c]	Mar 13	11.18[c]	Mar 13 1997
ANNUAL RUNOFF (AC-FT)	366600		89120		239600	
10 PERCENT EXCEEDS	1700		250		954	
50 PERCENT EXCEEDS	150		108		120	
90 PERCENT EXCEEDS	86		4.8		20	

a Gage height, 5.01 ft.
b Gage height, 10.90 ft.
c Backwater from ice.
e Estimated.



09224700 BLACKS FORK NEAR LITTLE AMERICA, WY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1951 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 1951 to current year.
WATER TEMPERATURES: March 1951 to September 1963, December 1964 to current year.

INSTRUMENTATION.--Water-quality monitor for specific conductance and water temperature.

REMARKS.--Published as "near Green River" prior to October 1953 and as "near Marston" October 1953 to September 1964. Partial record of specific conductance and temperature for water years 1979 and 1980 are available at District Office.
Water-temperature records represent water temperature at sensor within 0.2°C.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 6,010 microsiemens/cm, Oct. 1, 1953; minimum daily, 194 microsiemens/cm, May 17, 1984.
WATER TEMPERATURES: Maximum, 40.0°C, July 31, Aug. 1-4, 1984; minimum, 0.0°C on many days during winter period most years.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum mean daily, 1,820 microsiemens/cm, Oct. 15; minimum mean daily, 506 microsiemens/cm, May 6.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
NOV											
18...	0740	116	1440	1.0	1.0	470	113	46.1	3.2	3	138
JAN											
26...	1445	E108	1430	4.0	.0	380	90.9	38.3	5.8	4	163
FEB											
29...	1430	E150	1220	9.0	.0	370	87.0	37.7	4.3	3	118
MAR											
29...	1600	216	1250	13.0	8.0	350	80.6	36.2	5.3	3	123
APR											
18...	1525	390	825	8.0	10.0	270	67.7	25.2	3.4	2	68.8
MAY											
25...	1435	116	1110	20.0	17.0	360	79.8	37.8	4.9	2	105
JUN											
26...	1350	55	1380	22.5	21.5	430	106	41.0	3.8	3	137
JUL											
19...	1500	26	1750	31.5	24.5	490	114	49.9	4.8	4	198
AUG											
10...	0850	1.6	2650	22.0	17.0	660	130	80.3	7.5	6	374
SEP											
07...	1010	14	1440	10.5	10.5	310	67.6	34.7	4.3	5	185

DATE	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	BORON, DIS-SOLVED (UG/L AS B) (01020)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
NOV											
18...	218	--	58.7	.5	6.6	488	1.34	309	985	247	<10
JAN											
26...	226	--	76.6	.4	10.5	417	1.28	--	938	224	E10
FEB											
29...	223	--	70.6	.4	8.3	332	1.08	--	793	307	<10
MAR											
29...	--	226	74.8	.5	10.3	330	1.08	464	796	277	<10
APR											
18...	263	--	39.7	.4	7.7	175	.74	575	546	144	<10
MAY											
25...	224	--	67.9	.3	6.0	274	.97	223	711	272	<10
JUN											
26...	235	--	38.9	.6	10.8	447	1.26	138	925	235	<10
JUL											
19...	217	--	52.1	.7	10.8	611	1.59	80.7	1170	357	<10
AUG											
10...	189	--	105	.8	6.6	1080	2.58	8.26	1900	586	<30
SEP											
07...	171	--	59.0	.6	5.4	476	1.27	35.4	935	286	<10

E Estimated.

09234400 FLAMING GORGE RESERVOIR AT FLAMING GORGE DAM, UT

LOCATION.--Lat 40°54'23", long 109°25'15", in NW$^1/_4$ NE$^1/_4$ sec.15, T.2 N., R.22 E., Daggett County, Hydrologic Unit 14040106, at Flaming Gorge Dam on Green River, 1.8 mi southwest of Dutch John, and 4.9 mi northeast of Greendale.

DRAINAGE AREA.--19,350 mi^2, of which about 4,260 mi^2, including 3,959 mi^2 in Great Divide Basin in southern Wyoming, probably is noncontributing.

PERIOD OF RECORD.--November 1962 to current year.

REVISED RECORDS.--WDR UT-76-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,871 ft above sea level, (levels by Bureau of Reclamation). Prior to Jan. 1, 1964, on left bank 600 ft upstream from face of dam.

REMARKS.--Reservoir is formed by concrete arch-type dam; storage began Nov. 1, 1962; mass concrete of dam completed Nov. 15, 1962. Total capacity, 3,789,000 acre-ft, consisting of the following: Dead storage, 39,700 acre-ft below elevation 5,740 ft; inactive usable storage, 233,500 acre-ft between elevations 5,740 ft and 5,871 ft; active usable storage, 3,516,000 acre-ft between elevations 5,871 ft and 6,040 ft (top of conservation pool). Reservoir is used for flood control, storage replacement to meet downstream requirements under the Colorado River Compact of 1922, and power generation. Figures given herein represent usable contents. Transbasin diversions and diversions for irrigation above station.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 3,911,000 acre-ft, July 13, 1983, elevation, 6,043.80 ft; minimum, 582,900 acre-ft Apr. 26, 1965, elevation, 5908.90 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily contents, 3,420,000 acre-ft, Oct. 1-5, maximum daily elevation, 6,031.91 ft, Oct. 1: minimum daily contents, 3,010,000 acre-ft, Sept. 12-30, minimum daily elevation, 6,020.74 ft, Sept. 20.

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

6,020	2,980,000	6,035	3,546,000
6,025	3,160,000	6,040	3,752,000
6,030	3,349,000		

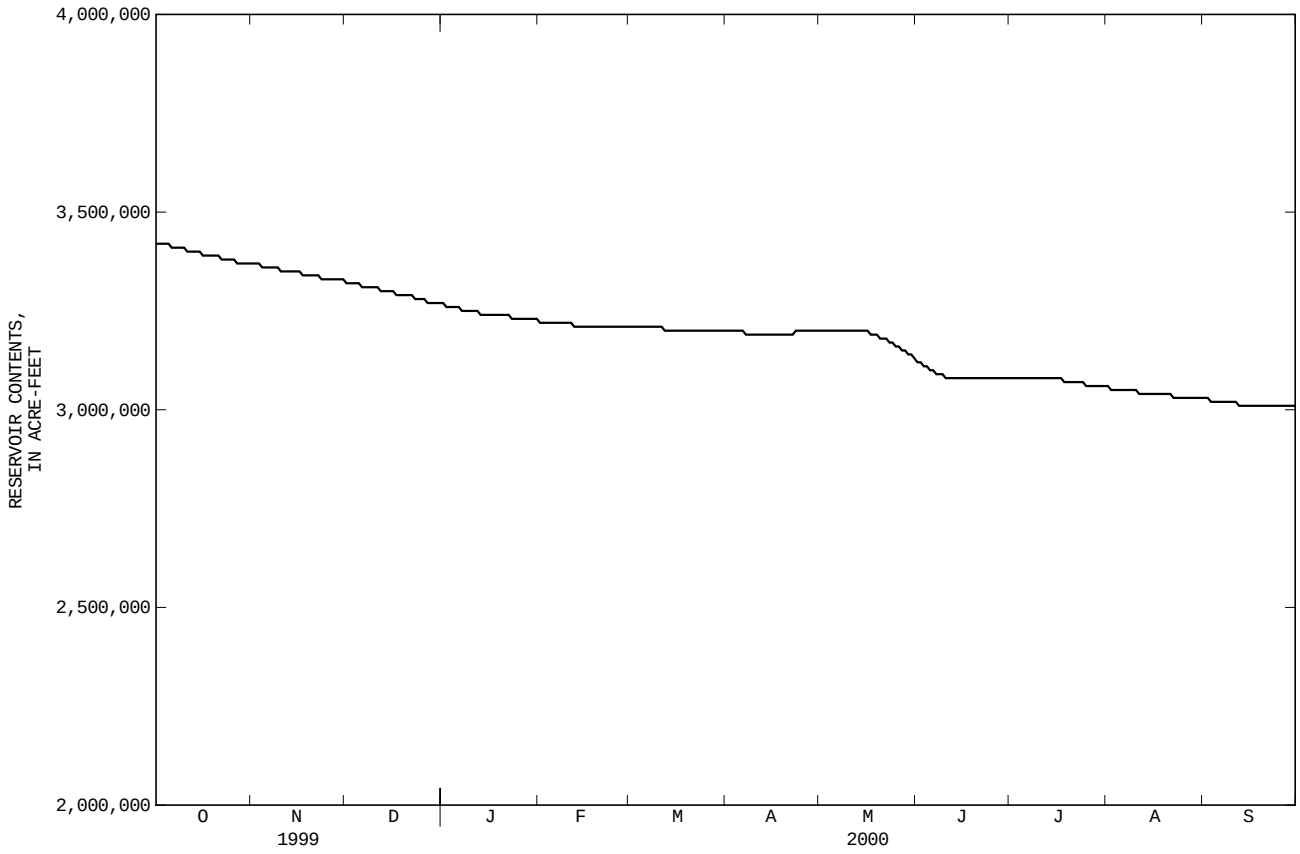
RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3420000	3370000	3320000	3270000	3220000	3210000	3200000	3200000	3120000	3080000	3060000	3030000
2	3420000	3370000	3320000	3260000	3220000	3210000	3200000	3200000	3120000	3080000	3050000	3030000
3	3420000	3370000	3320000	3260000	3220000	3210000	3200000	3200000	3110000	3080000	3050000	3020000
4	3420000	3360000	3320000	3260000	3220000	3210000	3200000	3200000	3110000	3080000	3050000	3020000
5	3420000	3360000	3320000	3260000	3220000	3210000	3200000	3200000	3100000	3080000	3050000	3020000
6	3410000	3360000	3310000	3260000	3220000	3210000	3200000	3200000	3100000	3080000	3050000	3020000
7	3410000	3360000	3310000	3250000	3220000	3210000	3190000	3200000	3090000	3080000	3050000	3020000
8	3410000	3360000	3310000	3250000	3220000	3210000	3190000	3200000	3090000	3080000	3050000	3020000
9	3410000	3360000	3310000	3250000	3220000	3210000	3190000	3200000	3090000	3080000	3050000	3020000
10	3410000	3350000	3310000	3250000	3220000	3210000	3190000	3200000	3080000	3080000	3050000	3020000
11	3400000	3350000	3310000	3250000	3220000	3210000	3190000	3200000	3080000	3080000	3040000	3020000
12	3400000	3350000	3300000	3250000	3210000	3200000	3190000	3200000	3080000	3080000	3040000	3010000
13	3400000	3350000	3300000	3240000	3210000	3200000	3190000	3200000	3080000	3080000	3040000	3010000
14	3400000	3350000	3300000	3240000	3210000	3200000	3190000	3200000	3080000	3080000	3040000	3010000
15	3400000	3350000	3300000	3240000	3210000	3200000	3190000	3200000	3080000	3080000	3040000	3010000
16	3390000	3350000	3300000	3240000	3210000	3200000	3190000	3200000	3080000	3080000	3040000	3010000
17	3390000	3340000	3290000	3240000	3210000	3200000	3190000	3190000	3080000	3080000	3040000	3010000
18	3390000	3340000	3290000	3240000	3210000	3200000	3190000	3190000	3080000	3070000	3040000	3010000
19	3390000	3340000	3290000	3240000	3210000	3200000	3190000	3190000	3080000	3070000	3040000	3010000
20	3390000	3340000	3290000	3240000	3210000	3200000	3190000	3180000	3080000	3070000	3040000	3010000
21	3390000	3340000	3290000	3240000	3210000	3200000	3190000	3180000	3080000	3070000	3040000	3010000
22	3380000	3340000	3290000	3240000	3210000	3200000	3190000	3180000	3080000	3070000	3030000	3010000
23	3380000	3330000	3280000	3230000	3210000	3200000	3200000	3170000	3080000	3070000	3030000	3010000
24	3380000	3330000	3280000	3230000	3210000	3200000	3200000	3170000	3080000	3070000	3030000	3010000
25	3380000	3330000	3280000	3230000	3210000	3200000	3200000	3160000	3080000	3060000	3030000	3010000
26	3380000	3330000	3280000	3230000	3210000	3200000	3200000	3160000	3080000	3060000	3030000	3010000
27	3370000	3330000	3270000	3230000	3210000	3200000	3200000	3150000	3080000	3060000	3030000	3010000
28	3370000	3330000	3270000	3230000	3210000	3200000	3200000	3150000	3080000	3060000	3030000	3010000
29	3370000	3330000	3270000	3230000	3210000	3200000	3200000	3140000	3080000	3060000	3030000	3010000
30	3370000	3330000	3270000	3230000	---	3200000	3200000	3140000	3080000	3060000	3030000	3010000
31	3370000	---	3270000	3230000	---	3200000	---	3130000	---	3060000	3030000	---
MAX	3420000	3370000	3320000	3270000	3220000	3210000	3200000	3200000	3120000	3080000	3060000	3030000
MIN	3370000	3330000	3270000	3230000	3210000	3200000	3190000	3130000	3080000	3060000	3030000	3010000
(#)	6,030.56	6,029.42	6,027.91	6,026.77	6,026.30	6,026.04	6,025.99	6,024.17	6,022.92	6,022.16	6,021.31	6,020.85
(*)	-50,000	-40,000	-60,000	-40,000	-20,000	-10,000	0	-70,000	-50,000	-20,000	-30,000	-20,000

WTR YR 2000 MAX 3,420,000 MIN 3,010,000 (*) -410,000

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

09234400 FLAMING GORGE RESERVOIR AT FLAMING GORGE DAM, UT--Continued



09234500 GREEN RIVER NEAR GREENDALE, UT

LOCATION.--Lat 40°54'30", long 109°25'20", in NW$^1/_4$NW$^1/_4$SE$^1/_4$ sec. 15. T. 2 N., R. 22 E., Daggett County, Hydrologic Unit 14040106, Ashley National Forest on right bank 0.5 mi downstream from Flaming Gorge Dam, 2 mi south of Dutch John, 4 mi northeast of Greendale, and 407 mi from mouth.

DRAINAGE AREA.--19,350 mi^2, approximately, including about 4,260 mi^2 which is probably noncontributing. This noncontributing area includes 3,959 mi^2 in Great Divide Basin in southern Wyoming.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1950 to current year.

REVISED RECORDS.--WDR UT-76-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,594.48 ft above sea level. Prior to September 2, 1959, water-stage recorder at site 2.2 mi upstream at different datum. September 3, 1959, to September 30, 1985, at datum 5.0 ft lower.

REMARKS.-- Records good. Flow completely regulated by Flaming Gorge Reservoir 0.5 mi upstream, beginning November 1, 1962. Station operated and record provided by Utah District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2080	2140	2210	2220	1880	1820	1810	1840	4580	1400	1360	1280
2	2090	2140	2190	2210	1880	1810	1810	1850	4600	1400	1340	1280
3	2090	2140	2200	2210	1870	1810	1810	1770	4550	1400	1310	1280
4	2090	2150	2200	2220	1870	1810	1810	1850	4460	1400	1340	1280
5	2090	2150	2210	2220	1870	1810	1820	1910	4470	1410	1350	1280
6	2150	2150	2200	2220	1860	1820	1810	1850	4160	1410	1340	1290
7	2150	2150	2210	2220	1860	1810	1810	1850	3740	1400	1340	1290
8	2150	2160	2200	2220	1830	1810	1810	1870	3340	1400	1340	1290
9	2160	2160	2200	2210	1850	1820	1820	1860	2980	1400	1330	1300
10	2160	2160	2210	2210	1850	1810	1810	1850	2620	1400	1320	1290
11	2100	2160	2210	2200	1850	1820	1820	1860	2240	1410	1330	1290
12	2080	2170	2210	2210	1840	1810	1820	1860	1900	1400	1320	1300
13	2070	2170	2210	2210	1840	1820	1820	1870	1480	e1380	1320	1300
14	2070	2170	2210	2200	1840	1810	1820	1870	1400	1370	1320	1300
15	2080	2180	2210	2200	1840	1810	1820	1870	1380	1390	1310	1310
16	2140	2180	2210	2200	1830	1810	1820	2320	1380	1410	1320	1310
17	2160	2180	2210	2190	1830	1820	1710	3070	1390	1400	1310	1310
18	2100	2180	2210	2190	1850	1820	1680	3130	1390	1400	1310	1320
19	2090	2180	2210	2190	1840	1860	1660	3110	1390	e1400	1310	1400
20	2090	2180	2210	2190	1840	1820	1820	3130	1390	e1420	1300	1220
21	2090	2190	2220	2180	1840	1820	1830	3140	1390	1440	1290	1110
22	2100	2190	2220	2180	1830	1810	1830	3440	1390	1440	1300	1020
23	2140	2190	2220	2180	1820	1810	1830	4230	1390	1430	1290	1020
24	2100	2200	2220	2170	1830	1810	1830	4610	1390	1430	1290	1020
25	2110	2200	2220	2180	1830	1810	1810	4590	1390	1430	1290	1000
26	2110	2200	2220	2170	1820	1820	1780	4600	1390	1420	1280	996
27	2100	2200	2220	2160	1820	1810	1840	4600	1400	1420	1280	999
28	2120	2210	2220	2180	1820	1810	1840	4590	1400	1420	1280	999
29	2120	2210	2220	2180	1820	1810	1840	4600	1390	1410	1280	998
30	2130	2210	2220	2170	---	1810	1840	4600	1400	1410	1260	1000
31	2130	---	2220	2160	---	1820	---	4580	---	1410	1270	---
TOTAL	65440	65250	68550	68050	53450	56270	54180	90170	68770	43660	40630	36082
MEAN	2111	2175	2211	2195	1843	1815	1806	2909	2292	1408	1311	1203
MAX	2160	2210	2220	2220	1880	1860	1840	4610	4600	1440	1360	1400
MIN	2070	2140	2190	2160	1820	1810	1660	1770	1380	1370	1260	996
AC-FT	129800	129400	136000	135000	106000	111600	107500	178900	136400	86600	80590	71570

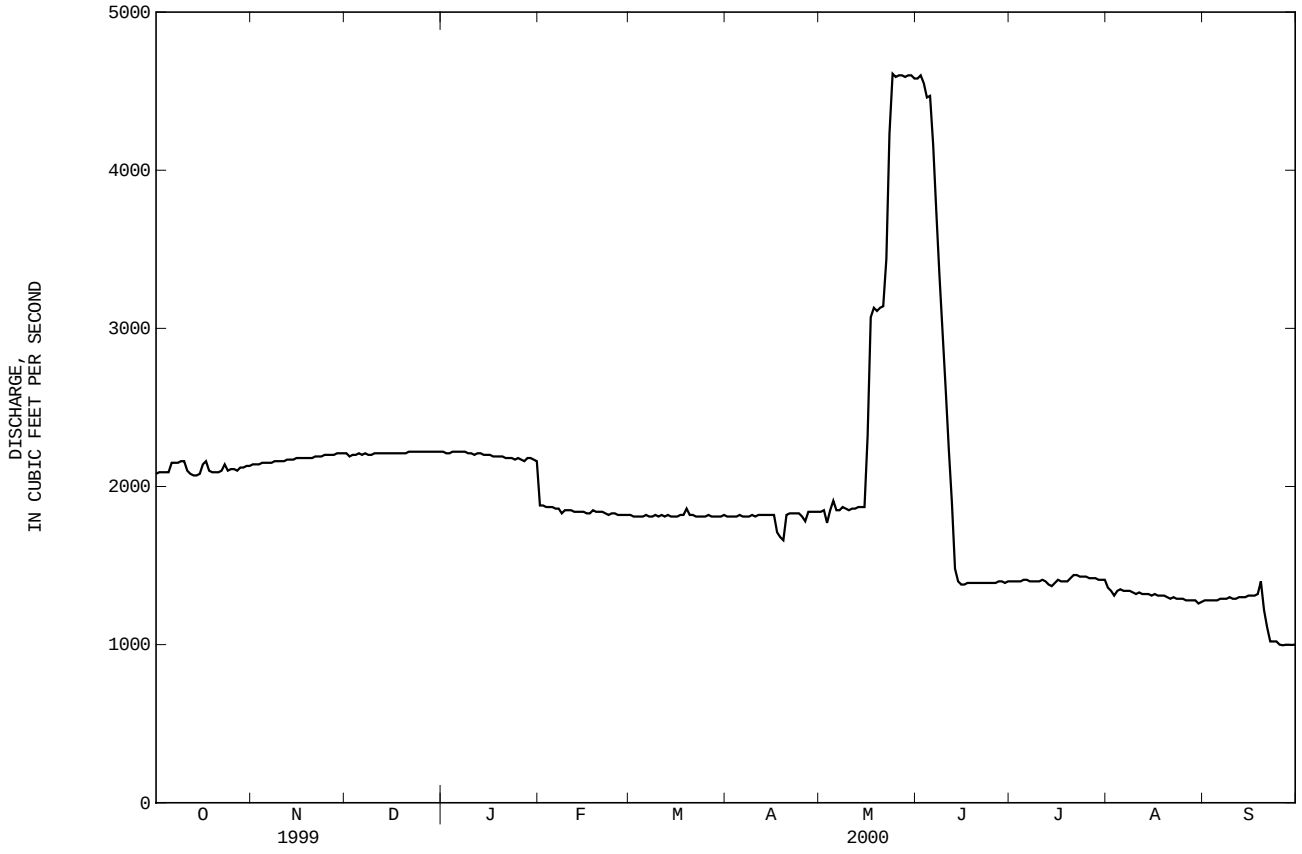
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2000, BY WATER YEAR (WY)

MEAN	1926	2090	2284	2205	2180	1852	1994	2526	2622	2385	2037	1902
MAX	3911	3655	3626	4145	4090	3818	4271	7146	8044	10130	5056	3729
(WY)	1983	1983	1973	1985	1984	1977	1997	1986	1999	1983	1983	1983
MIN	128	312	743	903	773	599	587	984	916	474	497	734
(WY)	1964	1964	1964	1971	1971	1964	1964	1990	1992	1965	1965	1965

09234500 GREEN RIVER NEAR GREENDALE, UT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1964 - 2000	
ANNUAL TOTAL	1164870		710502		--	
ANNUAL MEAN	3191		1941		2167	
HIGHEST ANNUAL MEAN	--		--		4270	1983
LOWEST ANNUAL MEAN	--		--		1044	1989
HIGHEST DAILY MEAN	10900	Jun 12	4610	May 24	12300	Jul 16 1983
LOWEST DAILY MEAN	1290	Aug 28	996	Sep 26	90	Oct 8 1963
ANNUAL SEVEN-DAY MINIMUM	1740	Aug 27	1000	Sep 24	112	Oct 2 1963
INSTANTANEOUS PEAK FLOW	--		4690	May 23	19600[a]	Jun 12 1957[b]
INSTANTANEOUS PEAK STAGE	--		11.86	May 23	14.51	May 12 and Jun 6 1986[b]
ANNUAL RUNOFF (AC-FT)	2311000		1409000		1570000	
10 PERCENT EXCEEDS	4490		2220		3770	
50 PERCENT EXCEEDS	2410		1840		1920	
90 PERCENT EXCEEDS	2080		1300		898	

a Gage height 10.60 ft.
b For period of record, 1950 to current year, site and datum then in use.
e Estimated.



09234500 GREEN RIVER NEAR GREENDALE, UT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1956 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1956 to September 1959, October 1963 to current year.
WATER TEMPERATURE: October 1956 to September 1959, October 1963 to current year.
SEDIMENT DATA: October 1956 to September 1959.

INSTRUMENTATION.--Water-quality monitor since December 1986.

REMARKS.--Storage in Flaming Gorge Reservoir began on November 1, 1962. Samples for daily records are taken inside Penstock. Extremes are given for two separate periods--water years 1957-62, and water years 1964 to current year. Extremes for the 1963 water year (October 1962 to September 1963) are not included. Temperature extremes for the 1994 water year are not included. Unpublished daily records of specific conductance obtained before 1965 were included in the determination of extremes for period of daily record and are available in files of Utah district office. Daily records provided by Bureau of Reclamation. Water-quality monitor located in separate shelter 0.6 mi downstream from Flaming Gorge Dam. Instrument failure, resulted in lost record for 1999.

EXTREMES FOR PERIOD OF DAILY RECORD.--(water years 1957-62, 1964 to current year).
SPECIFIC CONDUCTANCE (water years 1957-58, 1960-62): Maximum daily, 1,340 microsiemens, Aug 30, 1961; minimum daily, 325 microsiemens, Jun 2, 1961.
WATER TEMPERATURE (water years 1957-59): Maximum, 24.0°C, Jul 24, 25, 1959; minimum, 0.0°C, on many days during winter period each year.
SPECIFIC CONDUCTANCE (water years 1964 to current year): Maximum daily, 1,060 microsiemens, Nov 9, 1971; minimum, 507 microsiemens, Jul 29, 1998.
WATER TEMPERATURE: (water years 1964 to current year): Maximum, 17.2°C, Jul 9, 1989; minimum 1.6°C, Mar 1, 2, 1987.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 646 microsiemens, Mar 1-3; minimum recorded, 594 microsiemens, May 31.
WATER TEMPERATURE: Maximum recorded, 14.6°C, Jul 24; minimum recorded, 3.8°C, Mar 20-22.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT										
12...	1530	2130	622	90	8.1	8.6	630	--	11.0	230
DEC										
02...	1410	2180	614	92	8.8	8.7	630	7.5	8.0	230
JAN										
12...	1240	2330	618	91	9.4	8.2	640	5.0	5.0	250
MAR										
01...	1320	1870	617	88	9.3	8.5	640	9.5	4.0	230
APR										
13...	1240	1690	618	111	11.3	8.6	640	15.0	5.5	230
MAY										
25...	1220	4770	615	94	8.6	8.7	600	15.0	9.5	220
JUL										
13...	1310	1360	704	94	8.9	8.5	600	30.0	14.0	220
AUG										
30...	1310	1140	618	90	8.2	8.5	620	23.0	10.0	220

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
OCT										
12...	55	22	2.2	1	48	31	163	15	.26	3.2
DEC										
02...	58	22	2.1	1	47	30	163	15	.24	3.8
JAN										
12...	65	22	2.4	1	46	28	164	15	.24	4.0
MAR										
01...	57	21	2.3	1	46	30	161	15	.32	4.3
APR										
13...	58	21	2.4	1	45	30	163	14	.25	2.5
MAY										
25...	54	20	2.2	1	41	29	160	14	.20	2.6
JUL										
13...	55	21	1.9	1	44	30	157	13	.24	2.2
AUG										
30...	54	21	2.4	1	44	30	161	12	.28	2.7

09234500 GREEN RIVER NEAR GREENDALE, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	GAGE HEIGHT (FEET) (00065)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
OCT										
12...	170	.26	.026	.29	.8	9.79	.56	2360	410	413
DEC										
02...	150	.13	.024	.16	.6	9.68	.54	2350	--	399
JAN										
12...	150	.21	.047	.26	2.0	9.69	.57	2630	418	406
MAR										
01...	150	.20	.062	.26	1.0	9.34	.56	2090	414	397
APR										
13...	150	.29	<.005	--	.8	9.25	.54	1820	398	387
MAY										
25...	140	.27	.010	.28	.6	11.78	.53	4980	387	371
JUL										
13...	140	.28	.011	.30	.9	8.61	.54	1450	394	369
AUG										
30...	150	.22	.021	.24	1.0	8.26	.54	1230	400	383

DATE	TIME	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
OCT		
12...	1530	<2
DEC		
02...	1410	<2
JAN		
12...	1240	<2
MAR		
01...	1320	<2
APR		
13...	1240	<2
MAY		
25...	1220	E2
JUL		
13...	1310	E2
AUG		
30...	1310	<2

09234500 GREEN RIVER NEAR GREENDALE, UT--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	640	639	640	641	635	637	639	638	638
2	---	---	---	640	639	639	635	635	635	639	638	638
3	---	---	---	639	638	639	635	634	634	639	638	639
4	---	---	---	639	638	639	636	635	636	639	638	639
5	---	---	---	639	638	639	637	635	636	639	639	639
6	---	---	---	639	637	638	637	636	636	639	639	639
7	---	---	---	639	639	639	637	636	637	639	638	639
8	---	---	---	639	638	639	637	637	637	639	639	639
9	---	---	---	640	638	639	638	637	638	640	638	639
10	---	---	---	639	638	639	638	637	637	640	639	639
11	---	---	---	639	638	638	637	637	637	640	639	640
12	---	---	---	643	639	640	638	637	637	640	639	640
13	---	---	---	643	642	643	638	637	638	640	640	640
14	---	---	e640	643	642	642	638	636	637	640	639	640
15	643	638	641	642	641	641	639	638	638	640	639	640
16	639	638	638	641	639	640	638	638	638	640	639	640
17	640	638	639	642	633	639	638	638	638	640	639	640
18	640	638	639	633	632	632	638	638	638	640	639	640
19	639	638	638	637	633	634	638	638	638	640	640	640
20	639	637	638	637	634	635	639	638	638	640	639	640
21	639	638	639	636	634	635	639	638	638	640	639	640
22	640	639	639	634	632	632	639	638	638	640	640	640
23	640	639	639	633	632	632	639	638	639	640	640	640
24	641	639	640	633	632	633	639	638	638	640	640	640
25	641	640	640	634	633	633	639	638	639	641	639	640
26	642	640	641	636	634	635	639	638	638	640	639	640
27	641	639	640	636	635	635	639	638	638	640	639	640
28	643	638	641	636	635	635	639	637	638	640	639	640
29	638	629	634	636	634	635	639	638	638	640	639	639
30	638	633	635	639	635	638	639	638	638	640	639	640
31	640	638	639	---	---	---	639	638	638	640	639	640
MONTH	---	---	---	643	632	637	641	634	637	641	638	640

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	640	639	640	646	635	639	634	631	632	---	---	---
2	641	640	640	646	645	646	631	631	631	---	---	---
3	640	639	640	646	643	644	632	631	632	---	---	---
4	641	640	640	644	642	643	632	631	631	---	---	---
5	641	639	640	644	642	643	631	630	631	---	---	---
6	640	639	640	645	642	643	631	630	630	---	---	---
7	640	639	639	645	640	641	631	630	630	---	---	---
8	640	639	639	642	640	640	631	630	630	---	---	---
9	640	639	639	642	640	640	630	628	630	---	---	---
10	640	640	640	640	640	640	631	629	630	---	---	---
11	641	639	640	640	640	640	632	630	631	---	---	---
12	641	639	640	640	638	639	632	629	631	---	---	---
13	640	639	640	639	638	639	632	630	631	---	---	---
14	640	639	640	638	637	638	633	632	632	---	---	---
15	640	639	640	637	636	636	632	626	630	---	---	---
16	640	640	640	637	635	636	631	627	630	---	---	---
17	641	640	640	638	635	636	631	624	627	---	---	---
18	640	640	640	637	636	636	628	623	625	---	---	---
19	640	639	640	637	636	636	627	623	625	---	---	---
20	640	636	638	636	635	635	626	623	626	---	---	---
21	640	638	639	636	635	636	629	622	625	---	---	---
22	640	637	638	636	635	635	628	617	623	---	---	---
23	640	636	638	636	635	636	620	613	617	---	---	---
24	640	638	638	635	634	635	624	615	618	---	---	---
25	638	636	637	635	634	635	627	620	624	---	---	e602
26	637	636	636	635	633	634	625	620	622	602	599	600
27	638	636	637	634	633	634	624	618	623	599	598	599
28	638	635	636	634	632	633	618	615	617	599	596	598
29	636	635	636	633	632	632	619	610	613	599	596	597
30	---	---	---	633	632	633	620	612	616	599	595	597
31	---	---	---	633	632	632	---	---	---	597	594	596
MONTH	641	635	639	646	632	638	634	610	626	---	---	---

e Estimated

09234500 GREEN RIVER NEAR GREENDALE, UT--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	597	595	596	611	607	609	623	620	622	632	629	631
2	597	596	596	611	609	610	623	620	622	632	629	630
3	597	596	596	611	609	610	624	621	622	632	630	631
4	597	596	597	612	609	610	623	621	622	632	629	630
5	599	596	597	613	610	612	624	621	623	632	630	631
6	600	598	599	614	610	612	625	621	623	632	629	630
7	600	597	598	612	610	611	626	621	623	632	629	631
8	600	598	599	613	611	612	625	621	623	632	629	631
9	601	598	599	613	611	612	627	621	624	632	629	631
10	603	599	602	613	611	612	626	623	624	632	630	631
11	604	602	603	615	611	613	627	623	624	633	631	632
12	605	602	603	614	612	613	626	623	625	633	631	632
13	607	600	603	---	---	e612	627	624	625	634	630	632
14	609	605	607	---	---	---	627	624	625	634	631	632
15	608	600	604	---	---	---	627	623	625	634	632	633
16	607	600	603	---	---	---	627	623	625	635	632	633
17	608	604	607	---	---	---	628	624	625	635	632	633
18	605	604	604	---	---	---	627	621	626	634	632	633
19	606	603	604	---	---	---	628	624	626	635	631	632
20	606	603	604	---	---	e621	627	625	626	634	632	633
21	608	604	606	622	618	620	629	624	626	634	631	633
22	611	607	609	620	616	618	628	625	627	634	632	633
23	610	607	608	620	617	619	628	625	627	634	631	633
24	611	608	610	620	616	618	628	625	627	633	631	632
25	608	607	608	623	617	621	628	625	627	633	632	633
26	608	605	607	624	620	622	629	625	627	633	631	632
27	610	607	608	622	620	621	629	625	627	632	630	632
28	609	607	608	622	619	621	629	626	628	633	630	632
29	609	607	608	622	620	621	629	626	628	633	632	632
30	610	607	608	622	620	621	636	628	629	633	631	632
31	---	---	---	622	620	621	631	628	630	---	---	---
MONTH	611	595	603	---	---	---	636	620	625	635	629	632

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	11.5	10.7	11.1	9.9	9.8	9.9	8.2	7.9	8.1	5.7	5.6	5.6
2	11.3	10.2	10.9	9.9	9.8	9.9	8.1	8.0	8.0	5.6	5.4	5.6
3	10.9	10.2	10.5	10.0	9.8	9.9	8.0	7.8	7.9	5.4	5.3	5.4
4	11.0	10.2	10.7	9.9	9.7	9.8	7.8	7.7	7.8	5.3	5.3	5.3
5	10.7	10.3	10.5	9.8	9.7	9.7	7.7	7.6	7.7	5.3	5.1	5.2
6	10.4	10.2	10.3	9.8	9.6	9.7	7.6	7.6	7.6	5.2	5.1	5.1
7	10.6	10.3	10.4	9.6	9.5	9.6	7.6	7.5	7.5	5.1	5.1	5.1
8	10.5	9.6	10.3	9.7	9.5	9.6	7.5	7.3	7.4	5.1	5.0	5.0
9	10.1	9.6	9.9	9.7	9.5	9.6	7.3	7.3	7.3	5.0	4.9	5.0
10	10.6	10.1	10.4	9.6	9.5	9.5	7.3	7.2	7.2	4.9	4.9	4.9
11	10.8	10.3	10.6	9.6	9.4	9.5	7.2	7.1	7.1	4.9	4.9	4.9
12	11.0	10.1	10.5	9.5	9.3	9.4	7.2	7.0	7.1	5.0	4.9	4.9
13	10.9	10.2	10.6	9.4	9.3	9.3	7.0	6.9	7.0	4.9	4.9	4.9
14	10.6	10.2	10.4	9.3	9.2	9.3	6.9	6.8	6.8	4.9	4.8	4.9
15	11.1	10.3	10.7	9.4	9.3	9.3	6.8	6.7	6.7	4.9	4.8	4.8
16	11.1	10.6	10.9	9.3	9.1	9.2	6.7	6.6	6.7	4.8	4.8	4.8
17	10.9	10.4	10.7	9.5	8.9	9.1	6.7	6.6	6.7	4.9	4.8	4.9
18	10.9	10.5	10.7	9.6	9.4	9.5	6.6	6.5	6.6	4.9	4.8	4.8
19	10.8	10.6	10.8	9.4	9.1	9.2	6.5	6.4	6.5	4.9	4.8	4.8
20	10.8	10.6	10.7	9.1	9.1	9.1	6.4	6.3	6.4	4.9	4.8	4.8
21	10.7	10.5	10.6	9.1	8.9	9.0	6.3	6.3	6.3	4.8	4.8	4.8
22	10.6	10.4	10.5	9.0	8.9	8.9	6.3	6.2	6.2	4.8	4.7	4.8
23	10.5	10.3	10.4	8.9	8.6	8.8	6.2	6.1	6.1	4.8	4.7	4.8
24	10.4	10.2	10.3	8.6	8.5	8.6	6.1	6.0	6.1	4.7	4.7	4.7
25	10.3	10.2	10.2	8.5	8.4	8.5	6.0	6.0	6.0	4.7	4.7	4.7
26	10.2	10.0	10.1	8.4	8.3	8.4	6.0	5.9	6.0	4.7	4.7	4.7
27	10.3	10.0	10.2	8.3	8.3	8.3	6.0	5.9	5.9	4.7	4.6	4.6
28	10.4	9.8	10.1	8.3	8.2	8.3	5.9	5.8	5.9	4.6	4.5	4.5
29	10.9	10.3	10.7	8.3	8.2	8.2	5.8	5.8	5.8	4.6	4.4	4.5
30	10.6	10.0	10.3	8.2	8.0	8.1	5.8	5.7	5.7	4.5	4.4	4.4
31	10.0	9.8	9.9	---	---	---	5.7	5.6	5.7	4.4	4.4	4.4
MONTH	11.5	9.6	10.5	10.0	8.0	9.2	8.2	5.6	6.8	5.7	4.4	4.9

e Estimated

09234500 GREEN RIVER NEAR GREENDALE, UT--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.5	4.4	4.4	4.0	4.0	4.0	4.8	4.2	4.5	---	---	---
2	4.4	4.3	4.4	4.1	4.0	4.1	4.8	4.5	4.7	---	---	---
3	4.4	4.3	4.3	4.2	4.0	4.1	4.8	4.4	4.6	---	---	---
4	4.4	4.3	4.3	4.2	4.0	4.1	4.8	4.5	4.7	---	---	---
5	4.4	4.3	4.3	4.1	4.0	4.0	5.1	4.7	4.9	---	---	---
6	4.4	4.2	4.3	4.2	4.0	4.0	5.2	4.8	5.0	---	---	---
7	4.4	4.2	4.3	4.1	4.0	4.1	5.3	5.0	5.2	---	---	---
8	4.3	4.3	4.3	4.2	4.0	4.1	5.2	4.9	5.0	---	---	---
9	4.3	4.3	4.3	4.0	4.0	4.0	5.5	4.9	5.2	---	---	---
10	4.3	4.3	4.3	4.1	3.9	4.0	5.6	5.3	5.4	---	---	---
11	4.4	4.3	4.3	4.1	4.0	4.0	5.6	5.3	5.4	---	---	---
12	4.3	4.3	4.3	4.1	3.9	4.0	5.8	5.3	5.5	---	---	---
13	4.3	4.2	4.3	4.2	4.0	4.1	5.9	5.5	5.8	---	---	---
14	4.3	4.2	4.3	4.1	4.1	4.1	5.9	5.4	5.7	---	---	---
15	4.4	4.2	4.3	4.1	3.9	4.0	5.9	5.4	5.7	---	---	---
16	4.3	4.2	4.3	4.1	3.9	4.0	5.8	5.6	5.7	---	---	---
17	4.3	4.2	4.2	4.1	3.9	4.0	6.0	5.6	5.8	---	---	---
18	4.3	4.2	4.2	4.1	3.9	4.0	6.0	5.5	5.8	---	---	---
19	4.3	4.2	4.2	4.1	3.9	4.0	6.0	5.6	5.8	---	---	---
20	4.2	4.0	4.1	3.9	3.8	3.9	6.0	5.8	5.9	---	---	---
21	4.3	4.1	4.2	3.9	3.8	3.8	5.9	5.5	5.8	---	---	---
22	4.2	4.1	4.2	4.0	3.8	3.9	6.2	5.5	5.8	---	---	---
23	4.2	4.1	4.1	4.2	3.9	4.1	6.6	6.2	6.3	---	---	---
24	4.2	4.1	4.2	4.4	4.2	4.3	7.1	6.1	6.6	---	---	---
25	4.1	3.9	4.0	4.3	4.2	4.2	6.6	5.9	6.2	---	---	e9.3
26	4.0	3.9	4.0	4.7	4.2	4.5	6.6	5.8	6.2	10.7	9.3	10.0
27	4.1	3.9	4.0	4.7	4.4	4.6	6.1	5.8	5.9	10.6	9.8	10.1
28	4.0	4.0	4.0	4.7	4.5	4.6	6.1	5.8	5.9	10.4	9.7	10.0
29	4.1	3.9	4.0	4.7	4.5	4.7	7.1	5.9	6.6	11.6	10.0	10.6
30	---	---	---	4.7	4.4	4.5	7.6	6.9	7.2	10.7	10.4	10.6
31	---	---	---	4.5	4.3	4.4	---	---	---	11.7	10.2	10.9
MONTH	4.5	3.9	4.2	4.7	3.8	4.1	7.6	4.2	5.6	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	11.7	10.7	10.9	13.1	12.0	12.6	11.4	10.5	11.0	10.4	9.4	9.8
2	11.0	10.6	10.8	13.2	12.1	12.7	12.0	10.5	11.0	11.4	9.7	10.6
3	11.6	10.7	11.1	13.3	12.5	12.9	11.6	10.4	10.9	10.9	9.4	9.9
4	11.5	11.1	11.3	13.4	12.2	12.9	11.5	10.5	10.9	11.4	9.3	10.5
5	11.4	10.5	11.2	13.0	11.4	12.1	11.3	9.7	10.6	10.2	9.2	9.4
6	10.7	10.3	10.6	12.9	11.8	12.4	11.9	10.0	10.9	11.4	9.5	10.5
7	10.9	10.4	10.7	12.8	11.7	12.3	11.9	10.1	11.1	11.1	9.8	10.5
8	10.9	10.3	10.6	12.6	11.7	12.2	11.9	9.7	11.0	11.8	10.1	11.0
9	11.1	10.4	10.7	12.7	11.9	12.3	11.6	9.8	10.9	12.4	10.4	11.7
10	11.1	10.2	10.4	13.1	11.9	12.4	11.4	8.7	10.2	10.7	9.8	10.2
11	10.4	9.9	10.1	13.2	12.0	12.7	10.0	8.7	9.5	11.1	9.7	10.4
12	10.9	8.9	9.9	13.4	12.0	12.7	10.4	8.9	9.6	11.2	10.1	10.7
13	11.6	10.4	11.2	---	---	e13.3	10.2	8.6	9.6	12.5	11.2	11.8
14	10.9	9.2	10.1	---	---	---	10.2	9.0	9.6	12.8	11.2	12.1
15	13.3	9.9	11.8	---	---	---	10.3	8.7	9.7	12.6	11.0	12.0
16	13.3	10.4	11.8	---	---	---	9.8	8.7	9.4	12.4	11.0	11.8
17	11.2	9.8	10.4	---	---	---	9.9	8.5	9.4	12.6	11.0	11.8
18	11.7	10.8	11.4	---	---	---	9.9	8.9	9.4	12.5	11.1	11.9
19	12.2	11.5	11.9	---	---	---	10.1	8.6	9.6	13.2	11.2	12.3
20	12.5	11.6	12.1	---	---	e12.3	10.2	8.6	9.5	12.5	11.6	12.2
21	12.2	10.6	11.6	13.3	11.6	12.2	11.1	9.1	9.7	12.3	11.6	12.0
22	11.7	9.8	10.7	14.5	12.8	13.8	10.9	9.9	10.3	12.3	11.5	12.0
23	12.0	11.3	11.6	13.5	12.4	12.9	11.6	10.0	10.7	12.1	11.5	11.8
24	12.0	10.1	11.0	14.6	12.9	13.9	11.9	10.2	11.2	12.1	11.6	11.8
25	12.0	11.6	11.8	14.2	9.8	11.7	11.7	9.9	11.0	11.6	10.4	10.9
26	12.7	11.3	12.0	10.9	9.4	10.0	11.6	10.0	11.0	12.1	10.6	11.0
27	12.4	11.3	11.8	10.9	10.2	10.4	11.8	10.0	11.1	12.5	12.0	12.2
28	12.3	11.9	12.2	11.5	10.5	10.9	11.6	10.0	11.0	12.4	12.0	12.1
29	13.0	12.1	12.6	11.1	10.4	10.7	11.7	10.2	11.1	12.2	11.8	12.0
30	13.2	12.4	12.9	11.6	10.6	11.0	11.0	9.7	10.1	12.0	11.6	11.8
31	---	---	---	11.7	10.6	11.0	11.8	10.1	11.1	---	---	---
MONTH	13.3	8.9	11.2	---	---	---	12.0	8.5	10.4	13.2	9.2	11.3

e Estimated

09253455 HAGGARTY CREEK ABOVE BELVIDERE DITCH, NEAR ENCAMPMENT, WY

LOCATION.--Lat 41°09'02", long 107°07'06", in $SE^1/_4$ $SE^1/_4$ $SE^1/_4$ sec.25, T.14 N., R.87 W., Carbon County, Hydrologic Unit 14050003, Medicine Bow National Forest, 0.5 mi upstream from State Highway 70, 1.6 mi upstream from mouth, and 17 mi west of Encampment, WY.

PERIOD OF RECORD.--October 1992 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
MAY											
31...	1405	132	559	101	9.0	7.4	20	17.0	7.0	8	2.29
AUG											
22...	1725	2.5	568	99	8.1	7.6	43	11.0	11.0	18	5.21

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)
MAY											
31...	.52	.3	.1	.8	9	<.3	<.1	5.7	1.2	<36	<1
AUG											
22...	1.10	.4	.1	1.4	20	E.2	<.1	9.4	1.8	4	<1

DATE	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)
MAY											
31...	<2.0	9	<1	E10	<1.0	<.8	<1	61	10	<1	<3.9
AUG											
22...	<2.0	16	<1	<16	<1.0	<.8	<1	14	30	<1	<3.9

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
MAY										
31...	2	<.2	<1	<1	<2.4	<1	11.4	<10	<5	<1
AUG										
22...	5	<.2	<1	<1	<2.4	<1	23.0	<10	1	<1

E Estimated.

09253465 WEST FORK BATTLE CREEK AT BATTLE CREEK CAMPGROUND, NEAR SAVERY, WY

LOCATION.--Lat 41°05'37", long 107°09'31", in SW$^1/_4$ NE$^1/_4$ SE$^1/_4$ sec.15, T.13 N., R.87 W., Carbon County, Hydrologic Unit 14050003, Medicine Bow National Forest, at Battle Creek Campground, 1.1 mi upstream from mouth, and 15 mi east of Savery.

PERIOD OF RECORD.--October 1992 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
MAY												
31...	1120	186	583	101	9.2	7.6	27	23.0	7.5	11	3.33	.70
AUG												
22...	1500	.65	591	98	7.4	8.2	215	19.0	16.0	85	26.4	4.47

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)
MAY												
31...	.3	.1	.9	12	E.2	<.1	6.0	1.7	--	--	--	<44
AUG												
22...	.7	.4	7.9	61	5.0	.5	10.0	35.9	.17	.23	128	4

DATE	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
MAY											
31...	<1	<2.0	10	<1	17	<1.0	<.8	<1	36	20	<1
AUG											
22...	<1	<2.0	49	<1	19	<1.0	<.8	<1	5	<10	<1

DATE	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
MAY											
31...	<3.9	2	<.2	<1	<1	<2.4	<1	18.4	<10	<5	<1
AUG											
22...	E2.4	2	<.2	2	<1	<2.4	<1	180	<10	1	<1

E Estimated.

09255000 SLATER FORK NEAR SLATER, CO

LOCATION.--Lat 40°58'57", long 107°22'56", in SW$^{1}/_{4}$NE$^{1}/_{4}$ sec.21, T.12 N., R.89 W., Moffat County, Hydrologic Unit 14050003, on right bank 15 ft downstream from highway bridge, 1.0 mi upstream from mouth, and 1.5 mi south of Slater.

DRAINAGE AREA.--161 mi^{2}.

PERIOD OF RECORD.--May to October, December 1910, March to October 1911, and April to May 1912 (published as Slater Creek), July 1931 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 618: 1910-11. WSP 764: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,600 ft above sea level, from river-profile map. May 28, 1910 to May 25, 1912, nonrecording gage at site 1.5 mi upstream at different datum. July 9, 1931 to May 6, 1932, nonrecording gage at site 0.2 mi downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions for irrigation of about 500 acres upstream from station. Station operated and record provided by the Colorado District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e19	e20	24	e22	22	26	32	e419	e312	14	2.5	7.8
2	e19	20	23	e22	24	26	34	e465	e239	13	1.7	6.8
3	e20	22	21	e22	23	25	30	e515	e232	12	1.5	7.5
4	e20	22	19	e23	21	26	33	e523	e215	11	1.7	7.5
5	20	23	14	26	22	e29	69	e559	e188	8.8	2.0	6.3
6	20	21	20	27	22	e29	82	e558	e165	6.4	2.7	5.2
7	31	20	21	25	21	e31	79	e483	170	5.6	2.5	3.9
8	37	22	19	30	22	e28	72	e452	140	4.5	2.2	2.9
9	26	21	15	28	22	27	101	e319	123	6.9	2.6	4.1
10	23	20	21	28	23	e25	118	e463	115	31	2.0	10
11	21	21	20	26	26	e11	118	e522	91	18	2.5	7.4
12	20	19	21	25	25	e14	132	e341	73	13	2.5	5.5
13	19	19	21	23	23	e16	167	e260	63	10	2.3	4.5
14	19	19	21	25	25	25	202	e250	59	10	1.5	4.0
15	19	19	21	25	23	26	214	e257	54	8.1	1.3	4.3
16	19	20	24	25	22	24	142	e279	48	7.8	2.3	3.9
17	15	21	24	26	28	25	189	e358	44	8.1	3.1	4.1
18	21	29	23	29	25	24	279	e307	37	8.8	4.2	4.4
19	18	20	22	36	23	24	202	e335	32	12	4.9	4.3
20	19	25	23	29	26	25	160	e278	45	9.7	5.8	4.2
21	e20	23	23	30	31	26	197	e308	60	6.8	4.5	4.8
22	e20	22	22	25	29	24	243	e336	36	6.3	3.1	8.2
23	20	17	23	23	28	29	326	e404	32	5.3	3.0	59
24	20	12	22	21	27	36	e407	e491	27	4.6	3.1	31
25	19	18	23	27	26	33	e450	e418	26	4.5	3.3	20
26	20	31	e22	26	27	40	e500	e540	29	4.3	3.5	13
27	20	29	e22	22	29	47	e525	e395	26	4.0	5.5	11
28	20	26	e22	13	29	54	e528	e360	24	6.7	8.1	11
29	e20	23	e22	22	27	48	e558	e454	25	6.0	7.5	10
30	e20	25	e22	16	---	43	e432	e431	18	4.2	7.4	11
31	e20	---	e22	20	---	36	---	e367	---	3.4	7.1	---
TOTAL	644	649	662	767	721	902	6621	12447	2748	274.8	107.9	287.6
MEAN	20.8	21.6	21.4	24.7	24.9	29.1	221	402	91.6	8.86	3.48	9.59
MAX	37	31	24	36	31	54	558	559	312	31	8.1	59
MIN	15	12	14	13	21	11	30	250	18	3.4	1.3	2.9
AC-FT	1280	1290	1310	1520	1430	1790	13130	24690	5450	545	214	570

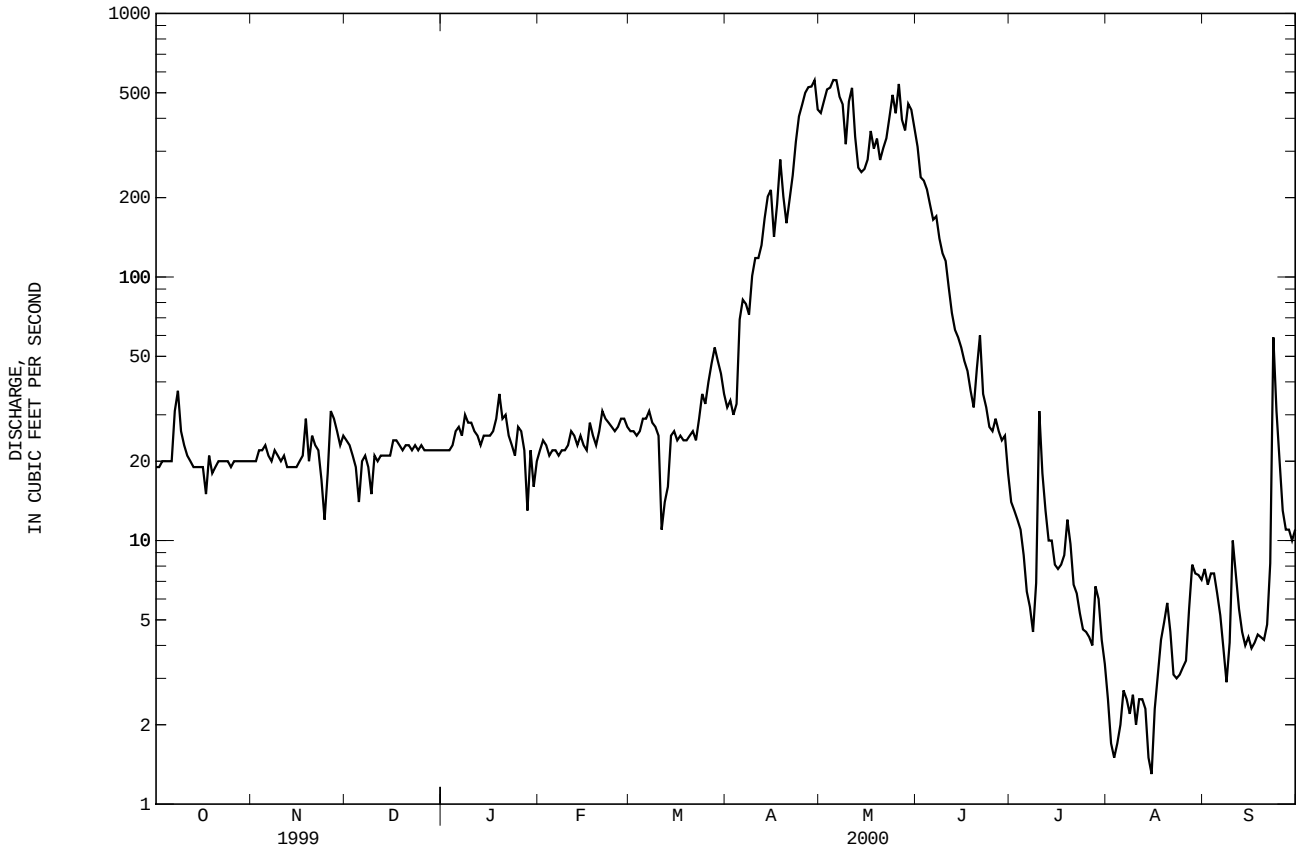
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2000, BY WATER YEAR (WY)

MEAN	20.1	19.4	17.5	17.3	18.7	29.8	120	384	255	38.3	9.99	11.7
MAX	62.4	49.2	44.1	36.9	46.5	144	323	801	660	189	38.4	55.0
(WY)	1986	1985	1985	1985	1986	1998	1985	1984	1995	1983	1945	1984
MIN	7.29	7.73	7.30	4.42	9.82	12.6	25.2	45.7	23.6	1.27	1.39	3.20
(WY)	1934	1934	1932	1992	1981	1965	1933	1934	1977	1977	1994	1960

09255000 SLATER FORK NEAR SLATER, CO--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1932 - 2000	
ANNUAL TOTAL	37303.8		26831.3		--	
ANNUAL MEAN	102		73.3		78.6	
HIGHEST ANNUAL MEAN	--		--		157	1984
LOWEST ANNUAL MEAN	--		--		20.5	1934
HIGHEST DAILY MEAN	760	May 30	559	May 5	1500	May 16 1984
LOWEST DAILY MEAN	8.7	Aug 20	1.3	Aug 15	.00[a]	Aug 2 1934
ANNUAL SEVEN-DAY MINIMUM	10	Aug 14	2.0	Aug 2	.00	Aug 2 1934
INSTANTANEOUS PEAK FLOW	--		759	Apr 29	2250[b]	May 16 1984
INSTANTANEOUS PEAK STAGE	--		7.35	Apr 29	11.78[c]	May 16 1984
ANNUAL RUNOFF (AC-FT)	73990		53220		56970	
10 PERCENT EXCEEDS	375		279		258	
50 PERCENT EXCEEDS	25		23		20	
90 PERCENT EXCEEDS	14		4.4		7.1	

a Also occurred several days during years 1936, 1954, and 1977.
b From rating curve extended above 1000 ft^3/s.
c From floodmark.
e Estimated.



09259050 LITTLE SNAKE RIVER BELOW BAGGS, WY

LOCATION.--Lat 41°01'43", long 107°41'14", in SE$^1/_4$ NW$^1/_4$ NW$^1/_4$ sec.7, T.12 N., R.92 W., Carbon County, Hydrologic Unit 14050003, 0.8 mi downstream from Ledford Slough, 1.5 mi southwest of Baggs, and 3.5 mi downstream from bridge on State Highway 789 in Baggs.

PERIOD OF RECORD.--Water years 1981 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
MAY									
02...	1600	1950	605	102	9.1	8.2	125	23.0	10.0
JUN									
01...	0950	2270	613	97	8.6	7.7	86	18.0	11.0
JUL									
18...	1200	1.7	615	191	12.4	8.6	492	27.0	26.0
AUG									
22...	1155	.05	614	130	8.9	9.0	582	29.0	23.0

DATE	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
MAY								
02...	53	15.2	3.73	1.0	.3	4.4	51	1.2
JUN								
01...	36	10.0	2.59	.7	.3	3.6	36	.8
JUL								
18...	170	41.3	16.7	3.4	1	37.6	201	8.1
AUG								
22...	170	33.8	19.9	3.9	2	60.0	207	12.2

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
MAY								
02...	<.1	13.0	11.7	.11	426	81	198	1040
JUN								
01...	<.1	10.1	6.7	.08	346	56	116	711
JUL								
18...	.4	3.9	47.5	.38	1.30	279	7	.03
AUG								
22...	.5	9.4	85.2	.47	.04	349	15	.00

10011500 BEAR RIVER NEAR UTAH-WYOMING STATE LINE

LOCATION.--Lat 40°57'55", long 110°51'10", in $SE^1/_4NW^1/_4SE^1/_4$ sec. 30, T. 3 N., R. 10 E., Summit County, Utah Hydrologic Unit 16010101, on left bank 400 ft downstream from West Fork and 2.8 mi upstream from Utah-Wyoming State line.

DRAINAGE AREA.--172 mi^2.

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

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 7,965 ft above sea level, from river-profile map. Prior to October 1, 1986 at datum 3.0 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated slightly by Whitney Reservoir, total capacity, 4,700 acre-ft since 1966. Three diversions above station for irrigation of about 265 acres above and 2,600 acres below station. Station operated and record provided by the Utah District.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 26	0100	*1,490	*6.24

No other peak greater than base discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	54	e51	e50	e45	42	53	319	775	117	70	85
2	95	54	e51	e50	e47	43	52	413	664	116	70	123
3	90	50	e56	e52	e44	43	52	520	610	154	69	86
4	89	52	e58	e50	e42	47	62	659	573	150	73	75
5	87	53	e60	e48	e43	49	78	792	541	144	69	70
6	79	52	e52	e48	e42	47	83	700	502	144	65	67
7	87	54	e47	e50	e41	45	85	638	461	154	56	64
8	83	53	e47	e47	e42	44	89	501	431	152	55	63
9	81	51	e50	e48	e41	43	106	397	393	168	56	71
10	79	48	e48	e48	e40	44	105	400	330	190	55	63
11	77	52	e47	e48	e42	40	104	401	290	195	53	59
12	76	49	e42	e48	e44	49	119	344	273	186	50	57
13	58	47	e41	e47	e44	43	138	303	274	184	48	55
14	55	48	e50	e46	e46	46	157	288	259	179	47	53
15	54	48	e54	e48	e49	47	123	305	248	175	49	51
16	52	50	e46	e47	e52	45	110	359	242	159	56	50
17	49	54	e51	e46	e46	47	114	356	219	134	50	49
18	57	50	e49	e47	e45	44	126	336	213	121	51	50
19	53	47	e47	e50	e48	45	110	370	264	124	63	50
20	52	56	e45	e48	e45	42	106	410	218	120	54	50
21	54	49	e49	e48	e38	45	131	518	185	115	47	54
22	52	48	e50	e46	e43	55	148	667	171	109	46	87
23	53	e56	e52	e50	e43	51	147	847	163	106	49	99
24	54	e64	e52	e50	43	50	140	1010	155	102	50	82
25	52	e60	e50	e48	42	49	138	1040	151	99	47	82
26	52	e58	e46	e47	48	53	184	1240	155	97	55	80
27	54	e57	e47	e45	39	56	252	833	159	92	99	68
28	56	e54	e48	e47	38	58	334	905	127	87	70	64
29	57	e54	e49	e48	40	53	340	1120	116	75	62	60
30	50	e54	e50	e48	---	54	284	1100	116	73	62	58
31	60	---	e52	e46	---	51	---	945	---	71	74	---
TOTAL	2049	1576	1537	1489	1262	1470	4070	19036	9278	4092	1820	2025
MEAN	66.1	52.5	49.6	48.0	43.5	47.4	136	614	309	132	58.7	67.5
MAX	102	64	60	52	52	58	340	1240	775	195	99	123
MIN	49	47	41	45	38	40	52	288	116	71	46	49
AC-FT	4060	3130	3050	2950	2500	2920	8070	37760	18400	8120	3610	4020

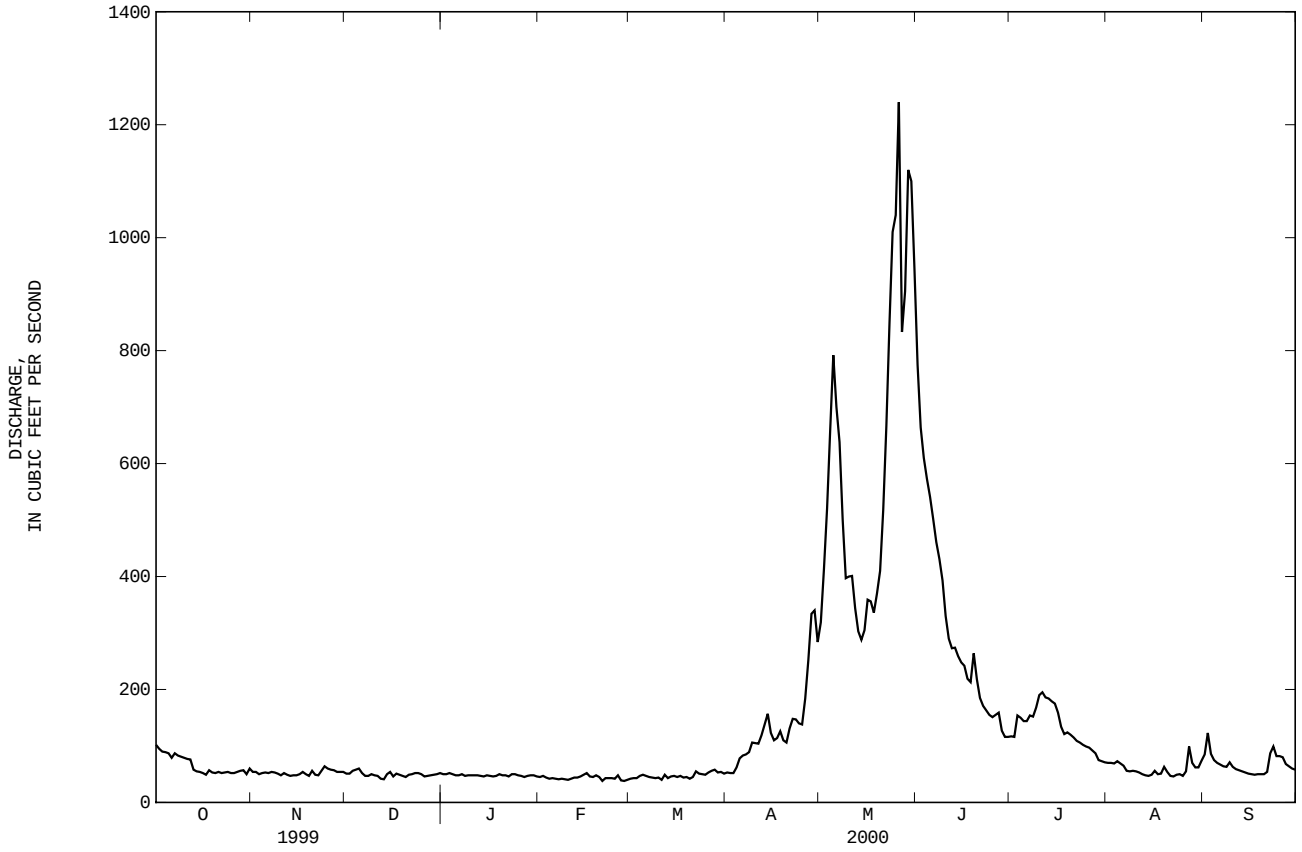
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2000, BY WATER YEAR (WY)

MEAN	63.7	54.9	46.9	42.3	40.3	44.0	111	599	871	307	95.9	74.7
MAX	208	106	94.9	72.4	64.3	69.0	316	1044	1990	1105	244	229
(WY)	1983	1984	1984	1984	1984	1986	1946	1984	1986	1995	1965	1983
MIN	30.8	32.5	27.7	29.6	25.3	26.0	37.2	162	204	67.4	37.5	23.9
(WY)	1959	1955	1960	1991	1964	1964	1944	1977	1992	1961	1954	1956

10011500 BEAR RIVER NEAR UTAH-WYOMING STATE LINE--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1943 - 2000	
ANNUAL TOTAL	84017		49704		--	
ANNUAL MEAN	230		136		196	
HIGHEST ANNUAL MEAN	--		--		335	1986
LOWEST ANNUAL MEAN	--		--		81.5	1977
HIGHEST DAILY MEAN	1760	Jun 17	1240	May 26	2680	Jun 4 1986
LOWEST DAILY MEAN	21	Feb 3	38	Feb 21	18	Jan 3 1960
ANNUAL SEVEN-DAY MINIMUM	31	Feb 13	42	Feb 4	21	Dec 28 1959
INSTANTANEOUS PEAK FLOW	--		1490	May 26	3230	Jun 6 1986
INSTANTANEOUS PEAK STAGE	--		6.24	May 26	4.05[a]	Jun 6 1986
ANNUAL RUNOFF (AC-FT)	166600		98590		142100	
10 PERCENT EXCEEDS	828		337		613	
50 PERCENT EXCEEDS	66		56		59	
90 PERCENT EXCEEDS	49		45		34	

a Datum then in use.
e Estimated.



10016900 BEAR RIVER AT EVANSTON, WY

LOCATION.--Lat 41°16'13", long 110°57'47", in NE$^1/_4$ NW$^1/_4$ NW$^1/_4$ sec.21, T.15 N., R.120 W., Uinta County, Hydrologic Unit 16010101, on left bank 100 ft downstream from bridge on State Highway 89, in the City of Evanston.

DRAINAGE AREA.--433 mi^2.

PERIOD OF RECORD.--May 1984 to current year (no winter records).

GAGE.--Water-stage recorder. Elevation of gage is 6,730 ft above sea level, from topographic map.

REMARKS.--Records good. Natural flow of stream affected by storage reservoirs, diversions for irrigation, and return flow from irrigated areas. Data collection platform with satellite telemetry at station.

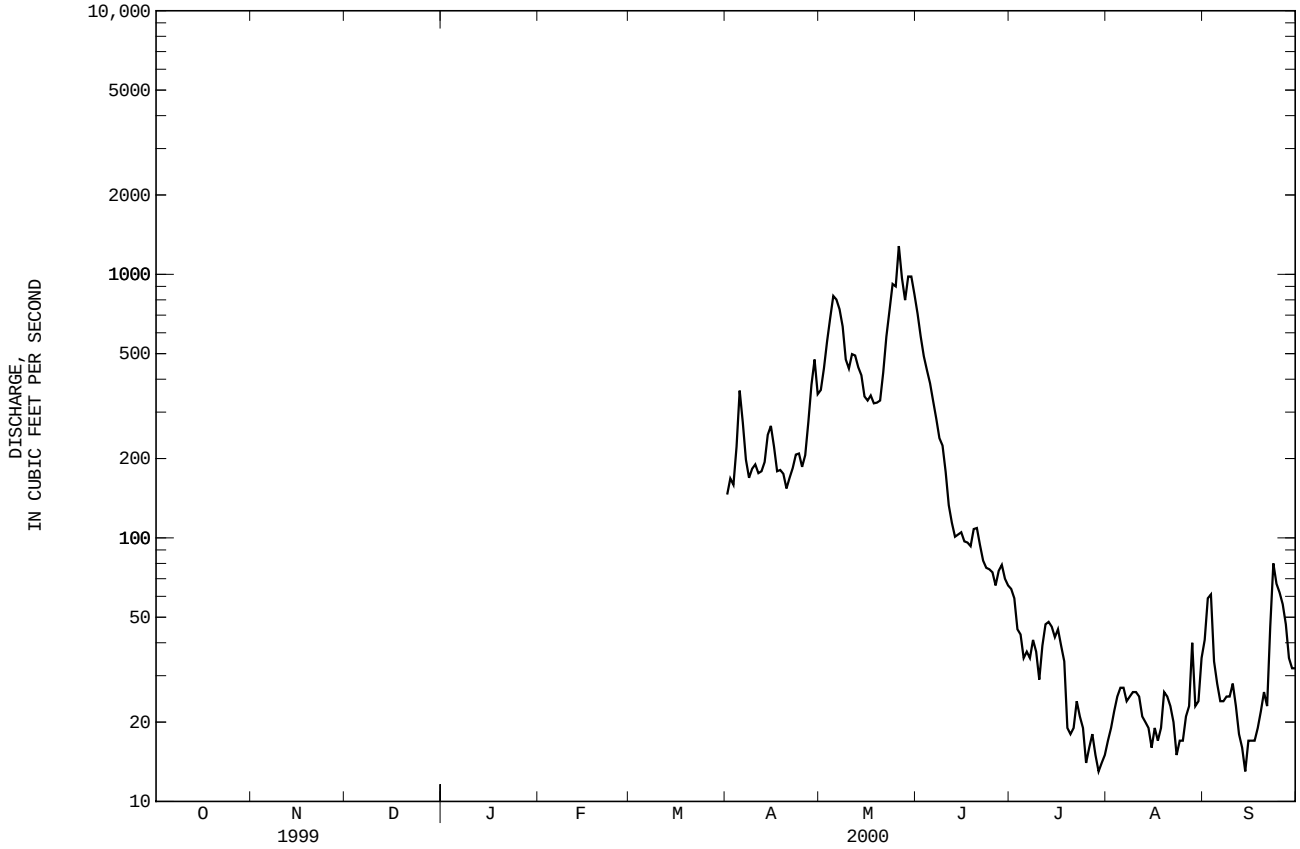
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	146	364	709	64	17	41
2	---	---	---	---	---	---	168	440	581	59	19	59
3	---	---	---	---	---	---	159	556	489	45	22	61
4	---	---	---	---	---	---	222	682	433	43	25	34
5	---	---	---	---	---	---	362	828	386	35	27	28
6	---	---	---	---	---	---	274	802	330	37	27	24
7	---	---	---	---	---	---	198	737	283	35	24	24
8	---	---	---	---	---	---	169	634	239	41	25	25
9	---	---	---	---	---	---	183	475	224	37	26	25
10	---	---	---	---	---	---	190	439	178	29	26	28
11	---	---	---	---	---	---	176	498	133	39	25	23
12	---	---	---	---	---	---	179	492	114	47	21	18
13	---	---	---	---	---	---	194	444	101	48	20	16
14	---	---	---	---	---	---	246	414	103	46	19	13
15	---	---	---	---	---	---	266	344	105	42	16	17
16	---	---	---	---	---	---	222	332	97	45	19	17
17	---	---	---	---	---	---	179	347	96	39	17	17
18	---	---	---	---	---	---	181	324	93	34	19	19
19	---	---	---	---	---	---	175	326	108	19	26	22
20	---	---	---	---	---	---	154	332	109	18	25	26
21	---	---	---	---	---	---	169	424	94	19	23	23
22	---	---	---	---	---	---	184	580	82	24	20	46
23	---	---	---	---	---	---	207	727	77	21	15	80
24	---	---	---	---	---	---	209	919	76	19	17	67
25	---	---	---	---	---	---	186	900	74	14	17	62
26	---	---	---	---	---	---	206	1280	66	16	21	56
27	---	---	---	---	---	---	275	966	75	18	23	47
28	---	---	---	---	---	---	381	798	79	15	40	35
29	---	---	---	---	---	---	475	981	70	13	23	32
30	---	---	---	---	---	---	351	981	66	14	24	32
31	---	---	---	---	---	---	---	839	---	15	35	---
TOTAL	---	---	---	---	---	---	6686	19205	5670	990	703	1017
MEAN	---	---	---	---	---	---	223	620	189	31.9	22.7	33.9
MAX	---	---	---	---	---	---	475	1280	709	64	40	80
MIN	---	---	---	---	---	---	146	324	66	13	15	13
AC-FT	---	---	---	---	---	---	13260	38090	11250	1960	1390	2020
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2000, BY WATER YEAR (WY)												
MEAN	---	---	---	---	---	---	322	842	845	221	71.5	60.7
MAX	---	---	---	---	---	---	602	2469	1890	980	181	225
(WY)	---	---	---	---	---	---	1985	1984	1986	1995	1984	1984
MIN	---	---	---	---	---	---	133	330	121	31.9	16.4	11.8
(WY)	---	---	---	---	---	---	1995	1990	1992	2000	1988	1988

10016900 BEAR RIVER AT EVANSTON, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1984 - 2000*	
HIGHEST DAILY MEAN	1280	May 26	3160	May 16 1984
LOWEST DAILY MEAN	13	Jul 29, Sep 14	3.8	Sep 30 1992
INSTANTANEOUS PEAK FLOW	1440	May 26	3680	May 16 1984
INSTANTANEOUS PEAK STAGE	4.62	May 26	7.35	May 16 1984

* During period of operation.



10020100 BEAR RIVER ABOVE RESERVOIR, NEAR WOODRUFF, UT

LOCATION.--Lat 41°26'04", long 111°01'01", in NE$^1/_4$NW$^1/_4$NW$^1/_4$ sec. 29, T. 17 N., R. 120 W., Uinta County, Wyoming, Hydrologic Unit 16010101, on right bank 9.3 mi upstream from Woodruff Narrows Dam and 10 mi southeast of Woodruff.

DRAINAGE AREA.--752 mi^2.

WATER-DISCHARCGE RECORDS

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

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,455 ft above sea level, from river-profile map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversion for irrigation of about 43,500 acres above station. Station operated and record provided by the Utah District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	68	98	e88	e90	e150	164	230	656	12	.58	24
2	76	68	93	e88	e90	e150	164	256	520	10	.41	33
3	65	65	e88	e86	e90	e140	172	336	390	9.6	.41	28
4	61	64	e82	e84	e90	e130	189	421	326	8.6	.64	26
5	62	61	e80	e84	e94	e120	318	524	300	7.9	.46	11
6	61	60	e82	e84	e98	e130	306	619	252	6.9	.34	4.7
7	60	60	e86	e84	e98	142	234	576	207	6.1	.28	4.2
8	70	60	e90	e86	e98	143	189	561	172	5.2	.27	5.5
9	67	62	e86	e92	e96	147	171	407	156	5.1	.32	6.0
10	64	62	e82	e94	e90	117	192	312	143	4.6	.30	6.4
11	64	59	e88	e90	e90	107	178	342	107	4.3	.17	4.7
12	61	60	e86	e88	e90	122	166	398	78	4.1	.26	6.1
13	59	60	e80	e84	e92	118	166	399	58	3.9	.16	5.6
14	66	54	e86	e84	e96	118	179	342	33	4.4	.10	4.9
15	65	52	e94	e84	e94	124	226	290	32	5.0	.07	4.3
16	61	55	e90	e92	e90	108	202	260	31	5.1	.14	3.8
17	64	59	e84	e98	e82	112	152	252	32	4.7	.11	2.8
18	63	62	e86	e100	e88	100	131	262	30	4.7	.07	3.1
19	68	59	e86	e100	e94	104	136	253	28	4.4	.09	4.3
20	65	54	e88	e103	e104	104	120	244	29	4.2	.06	4.4
21	62	e54	e82	e101	e110	95	105	251	30	3.5	.04	4.7
22	63	e54	e78	e100	e104	78	121	315	28	2.7	.04	7.2
23	61	57	e78	e98	e100	111	135	414	24	2.2	.05	36
24	60	57	e80	e98	e94	125	142	580	20	1.6	.07	63
25	59	59	e80	e94	e96	126	137	760	17	1.2	.10	61
26	59	67	e80	e90	e110	148	118	1040	15	1.1	.36	46
27	60	e66	e80	e84	e120	192	158	1210	15	.86	.38	33
28	62	e64	e80	e84	e130	263	229	750	12	.75	.38	22
29	70	84	e86	e84	e140	245	295	756	12	.68	1.0	12
30	74	91	e88	e84	---	241	286	982	12	.72	4.3	9.6
31	69	---	e80	e86	---	196	---	785	---	.67	9.1	---
TOTAL	1994	1857	2627	2796	2858	4306	5481	15127	3765	136.78	21.06	487.3
MEAN	64.3	61.9	84.7	90.2	98.6	139	183	488	126	4.41	.68	16.2
MAX	76	91	98	103	140	263	318	1210	656	12	9.1	63
MIN	59	52	78	84	82	78	105	230	12	.67	.04	2.8
AC-FT	3960	3680	5210	5550	5670	8540	10870	30000	7470	271	42	967

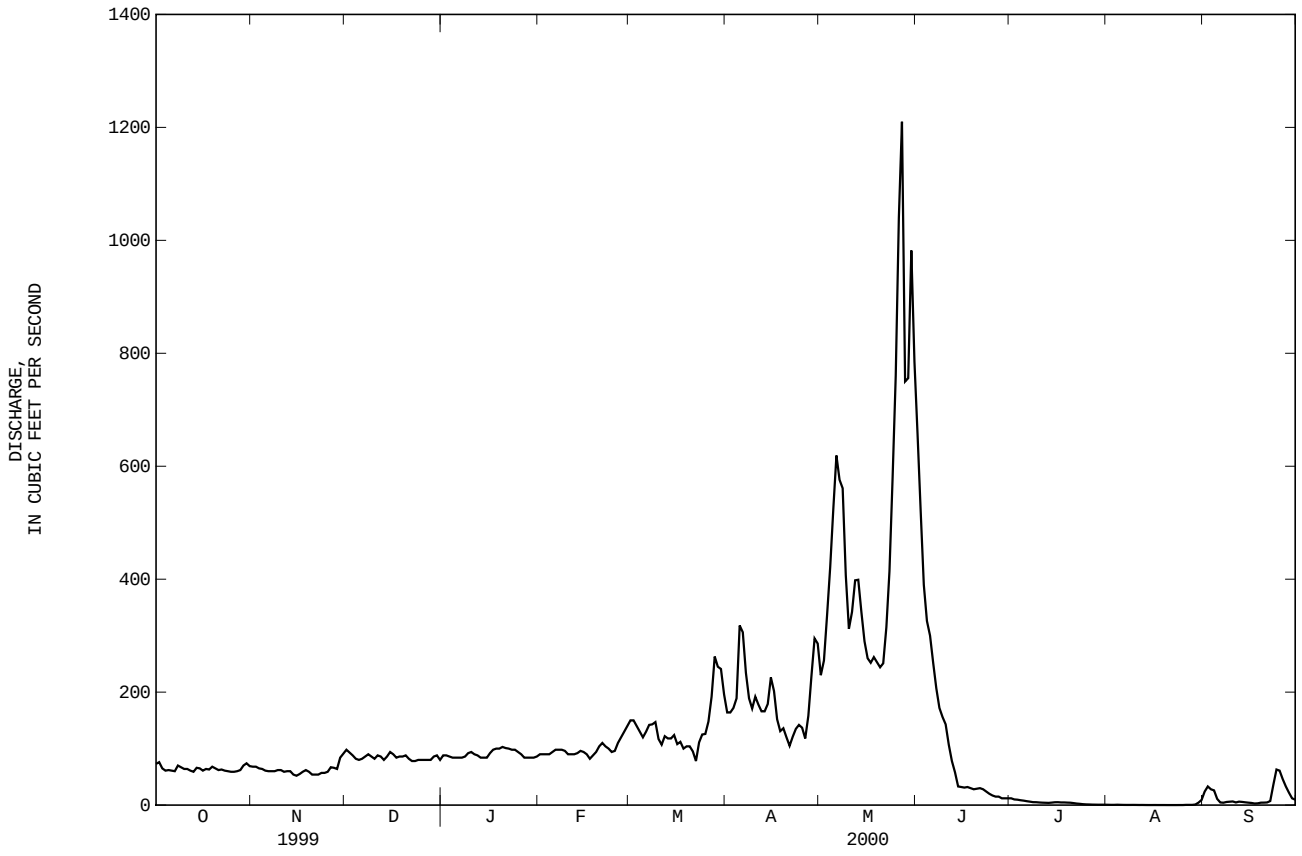
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2000, BY WATER YEAR (WY)

MEAN	75.8	74.6	73.6	69.8	85.5	168	345	818	878	206	51.7	50.8
MAX	437	198	181	147	312	627	671	1957	2564	1191	340	288
(WY)	1983	1974	1984	1984	1986	1986	1969	1984	1986	1995	1983	1983
MIN	3.03	6.06	7.21	6.76	13.8	26.8	77.7	104	54.6	4.41	.68	.49
(WY)	1965	1989	1989	1989	1993	1977	1977	1977	1992	2000	2000	1988

10020100 BEAR RIVER ABOVE RESERVOIR, NEAR WOODRUFF, UT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1962 - 2000	
ANNUAL TOTAL	103510.1		41456.14		--	
ANNUAL MEAN	284		113		241	
HIGHEST ANNUAL MEAN	--		--		583	1986
LOWEST ANNUAL MEAN	--		--		45.1	1977
HIGHEST DAILY MEAN	2070	May 30	1210	May 27	3900	Jun 2 1983
LOWEST DAILY MEAN	1.2	Jul 28	.04	Aug 21,22	.00	Many days 1988
ANNUAL SEVEN-DAY MINIMUM	8.2	Jul 23	.06	Aug 18	.00	Aug 30 1988
INSTANTANEOUS PEAK FLOW	--		1490	May 26	4150	Jun 2 1983
INSTANTANEOUS PEAK STAGE	--		4.26	May 26	6.17	Jun 2 1983
ANNUAL RUNOFF (AC-FT)	205300		82230		174900	
10 PERCENT EXCEEDS	922		254		713	
50 PERCENT EXCEEDS	88		82		86	
90 PERCENT EXCEEDS	43		1.5		10	

e Estimated.



10020100 BEAR RIVER ABOVE RESERVOIR, NEAR WOODRUFF, UT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1969 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
NOV										
17...	1300	47	598	103	10.3	8.7	490	14.0	5.0	220
MAR										
29...	1145	319	602	103	9.6	8.2	545	5.0	8.0	240
MAY										
24...	1930	618	605	93	7.4	8.1	159	20.0	15.0	74
JUN										
27...	0920	12	605	90	7.0	8.3	576	17.0	16.0	240

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
NOV										
17...	53.4	21.8	1.9	.5	16.8	215	--	25.5	.1	6.4
MAR										
29...	51.7	25.8	3.0	.5	17.3	--	221	29.0	.2	10.0
MAY										
24...	20.1	5.69	.8	.1	2.7	--	73	3.4	<.1	5.1
JUN										
27...	48.3	30.1	3.1	.8	27.3	228	--	38.9	.2	5.8

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
NOV										
17...	20.0	<.020	<.050	<.010	<.010	.37	35.2	275	57	7.3
MAR										
29...	31.2	.032	<.050	<.010	.018	.41	259	301	252	217
MAY										
24...	4.2	<.020	<.050	<.010	<.010	.12	143	86	476	794
JUN										
27...	31.5	<.020	<.050	<.010	<.010	.44	10.4	322	43	1.4

10020300 BEAR RIVER BELOW RESERVOIR, NEAR WOODRUFF, UT

LOCATION.--Lat 41°30'20", long 111°00'50", in $NE^1/_4NE^1/_4NW^1/_4$ sec. 32, T. 18 N., R. 120 W., Uinta County, Wyoming, Hydrologic Unit 16010101, on right bank 1,100 ft downstream from Woodruff Narrows Dam, 1.6 mi upstream from Salt Creek, 5.4 mi upstream from Wyoming-Utah State line, and 7.7 mi east of Woodruff.

DRAINAGE AREA.--784 mi^2.

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

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 6,398.96 ft above sea level (levels by Utah Water Resources Division from Bureau of Reclamation bench mark). Prior to September 26, 1962, at site 175 ft 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 above station. Station operated and record provided by the Utah District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

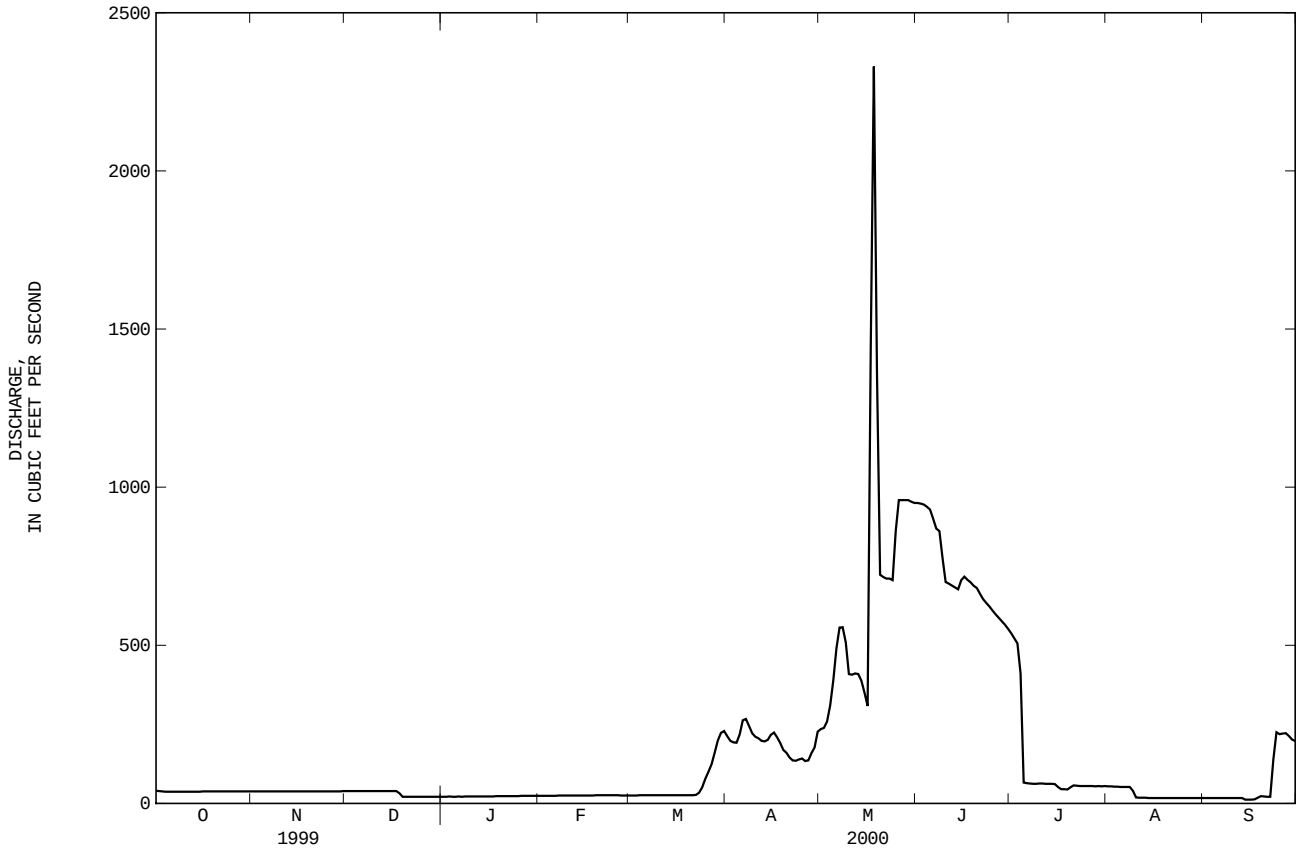
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	38	39	21	24	25	213	235	950	538	54	17
2	39	38	39	21	24	25	198	239	948	522	54	17
3	38	38	39	22	24	25	193	259	945	506	53	17
4	37	38	39	21	24	26	192	310	938	411	53	17
5	37	38	39	21	24	26	218	389	929	66	52	17
6	37	38	39	22	24	26	263	490	900	64	52	17
7	37	38	39	21	25	26	267	556	869	63	52	17
8	37	38	39	22	25	26	245	557	861	62	52	17
9	37	38	39	22	25	26	222	509	776	62	40	17
10	37	38	39	22	25	26	211	409	700	63	19	17
11	37	38	39	22	25	26	206	407	695	63	18	17
12	37	38	39	22	25	26	198	411	689	62	18	17
13	37	38	39	22	25	26	196	409	683	62	18	17
14	37	38	39	22	25	26	201	388	677	62	17	12
15	37	38	39	22	25	26	217	350	706	61	17	12
16	38	38	39	22	25	26	224	308	717	52	17	12
17	38	38	39	22	25	26	209	1440	707	45	17	13
18	38	38	32	23	25	26	191	2330	699	45	17	18
19	38	38	21	23	26	26	169	1360	688	44	17	23
20	38	38	21	23	26	26	160	723	681	51	17	22
21	38	38	21	23	26	26	145	716	663	57	17	21
22	38	38	21	23	26	27	136	711	646	56	17	21
23	38	38	21	23	26	34	135	711	634	55	17	139
24	38	38	21	23	26	51	139	706	623	55	17	225
25	38	38	21	23	26	78	142	861	610	55	17	219
26	38	38	21	24	26	100	134	959	598	55	17	221
27	38	38	21	24	25	124	136	959	587	55	17	222
28	38	38	21	24	25	161	159	959	576	54	17	213
29	38	38	21	24	25	199	177	959	565	55	17	202
30	38	39	21	24	---	223	227	954	552	54	17	197
31	38	---	21	24	---	229	---	950	---	55	17	---
TOTAL	1169	1141	968	697	727	1769	5723	21524	21812	3510	841	2013
MEAN	37.7	38.0	31.2	22.5	25.1	57.1	191	694	727	113	27.1	67.1
MAX	40	39	39	24	26	229	267	2330	950	538	54	225
MIN	37	38	21	21	24	25	134	235	552	44	17	12
AC-FT	2320	2260	1920	1380	1440	3510	11350	42690	43260	6960	1670	3990

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2000, BY WATER YEAR (WY)

MEAN	60.8	56.3	48.7	46.2	49.2	101	292	799	1010	301	81.9	63.3
MAX	425	421	184	153	171	473	891	1828	2437	913	331	278
(WY)	1983	1983	1983	1985	1971	1972	1985	1984	1983	1975	1983	1983
MIN	3.89	.12	4.28	4.37	4.71	4.70	.34	27.8	396	20.0	3.91	3.65
(WY)	1990	1981	1978	1978	1978	1978	1977	1977	1977	1966	1979	1979

10020300 BEAR RIVER BELOW RESERVOIR, NEAR WOODRUFF, UT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1962 - 2000	
ANNUAL TOTAL	112669		61894		--	
ANNUAL MEAN	309		169		243	
HIGHEST ANNUAL MEAN	--		--		509	1983
LOWEST ANNUAL MEAN	--		--		44.3	1977
HIGHEST DAILY MEAN	2340	May 31	2330	May 18	3630	Jun 3 1983
LOWEST DAILY MEAN	21	Dec 19-31	12	Sep 14-16	.00	Several days, 1962,1979,1980
ANNUAL SEVEN-DAY MINIMUM	21	Dec 19	14	Sep 11	.07	Nov 26 1980
INSTANTANEOUS PEAK FLOW	--		2330	May 18	3820	Jun 2,1983
INSTANTANEOUS PEAK STAGE	--		--		8.26	Jun 2,1983
ANNUAL RUNOFF (AC-FT)	223500		122800		175800	
10 PERCENT EXCEEDS	941		651		810	
50 PERCENT EXCEEDS	107		38		44	
90 PERCENT EXCEEDS	38		18		9.6	



10027000 TWIN CREEK AT SAGE, WY

LOCATION.--Lat 41°48'36", long 110°58'12", in NE$^1/_4$ SW$^1/_4$ SE$^1/_4$ sec.7, T.21 N., R.119 W., Lincoln County, Hydrologic Unit 16010101, 0.5 mi downstream from Bulldog Hollow, 0.5 mi southwest of Sage, 0.8 mi southeast of junction of U.S. Highway 30 and State Highway 89, and 5.0 mi upstream from mouth.

DRAINAGE AREA.--246 mi^2.

PERIOD OF RECORD.--Water years 1975 to 1981, October 1989 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
NOV										
17...	1000	13	601	101	11.0	8.3	970	13.0	2.0	410
MAR										
28...	1730	32	600	98	9.8	8.5	1020	8.0	5.0	350
APR										
19...	1225	15	606	103	10.4	8.2	1160	7.5	5.0	450
MAY										
24...	1735	4.1	607	132	9.6	8.1	1060	24.0	19.5	410
JUN										
14...	1730	7.0	613	125	9.1	8.5	750	21.0	20.0	320

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
NOV										
17...	89.9	46.1	3.1	1	51.5	236	--	32.9	.4	11.6
MAR										
28...	67.3	43.5	4.6	2	80.4	--	227	46.4	.4	9.6
APR										
19...	90.6	54.0	3.5	2	79.9	277	--	24.6	.6	11.2
MAY										
24...	80.7	51.3	3.3	2	72.1	233	--	48.6	.4	9.7
JUN										
14...	63.9	38.8	2.5	1	43.5	200	--	30.4	.4	8.0

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
NOV										
17...	250	<.020	<.050	<.010	<.010	.85	21.3	627	144	4.9
MAR										
28...	259	.023	<.050	<.010	.023	.88	55.5	647	563	48
APR										
19...	300	<.020	<.050	<.010	<.010	.99	30.4	730	185	7.7
MAY										
24...	272	<.020	<.050	<.010	<.010	.92	7.53	678	98	1.1
JUN										
14...	185	<.020	<.050	<.010	<.010	.67	9.25	492	88	1.7

10028500 BEAR RIVER BELOW PIXLEY DAM, NEAR COKEVILLE, WY

LOCATION.--Lat 41°56'20", long 110°59'05", in $SW^1/_4SE^1/_4SE^1/_4$ sec. 25, T. 23 N., R. 120 W., Lincoln County, Hydrologic Unit 16010102, 800 ft downstream from Pixley Dam, 11 mi south of Cokeville, and 17.5 mi downstream from Twin Creek.

DRAINAGE AREA.--2,032 mi^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 (seasonal only). Monthly discharge only for some periods, published in WSP 1314.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,185 ft above sea level, from river-profile map. October 31, 1941 to November 30, 1943, at site 200 ft 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. Station operated and record provided by the Utah District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	133	---	---	---	---	---	---	38	55	92	53	21
2	133	---	---	---	---	---	---	41	53	90	52	25
3	133	---	---	---	---	---	---	47	58	87	50	28
4	132	---	---	---	---	---	---	46	63	84	50	26
5	132	---	---	---	---	---	---	41	65	159	47	23
6	e126	---	---	---	---	---	---	41	66	221	43	21
7	---	---	---	---	---	---	---	47	46	152	39	20
8	---	---	---	---	---	---	---	55	31	141	40	20
9	---	---	---	---	---	---	---	85	45	141	39	20
10	---	---	---	---	---	---	---	105	80	151	39	21
11	---	---	---	---	---	---	e206	122	97	199	37	22
12	---	---	---	---	---	---	198	123	105	191	36	18
13	---	---	---	---	---	---	187	87	107	278	35	14
14	---	---	---	---	---	---	171	75	102	187	34	14
15	---	---	---	---	---	---	168	72	91	190	34	8.5
16	---	---	---	---	---	---	187	67	86	176	33	10
17	---	---	---	---	---	---	195	63	87	156	34	14
18	---	---	---	---	---	---	200	62	88	139	33	14
19	---	---	---	---	---	---	195	58	93	126	32	14
20	---	---	---	---	---	---	182	49	101	117	31	14
21	---	---	---	---	---	---	184	33	106	111	30	14
22	---	---	---	---	---	---	162	34	108	99	29	16
23	---	---	---	---	---	---	129	33	110	83	25	18
24	---	---	---	---	---	---	113	33	110	76	22	20
25	---	---	---	---	---	---	103	36	106	72	22	30
26	---	---	---	---	---	---	98	38	104	66	22	38
27	---	---	---	---	---	---	86	37	98	62	21	83
28	---	---	---	---	---	---	35	40	94	60	20	107
29	---	---	---	---	---	---	16	55	95	58	20	123
30	---	---	---	---	---	---	32	56	93	55	21	131
31	---	---	---	---	---	---	---	51	---	55	27	---
TOTAL	---	---	---	---	---	---	---	1770	2543	3874	1050	947.5
MEAN	---	---	---	---	---	---	---	57.1	84.8	125	33.9	31.6
MAX	---	---	---	---	---	---	---	123	110	278	53	131
MIN	---	---	---	---	---	---	---	33	31	55	20	8.5
AC-FT	---	---	---	---	---	---	---	3510	5040	7680	2080	1880

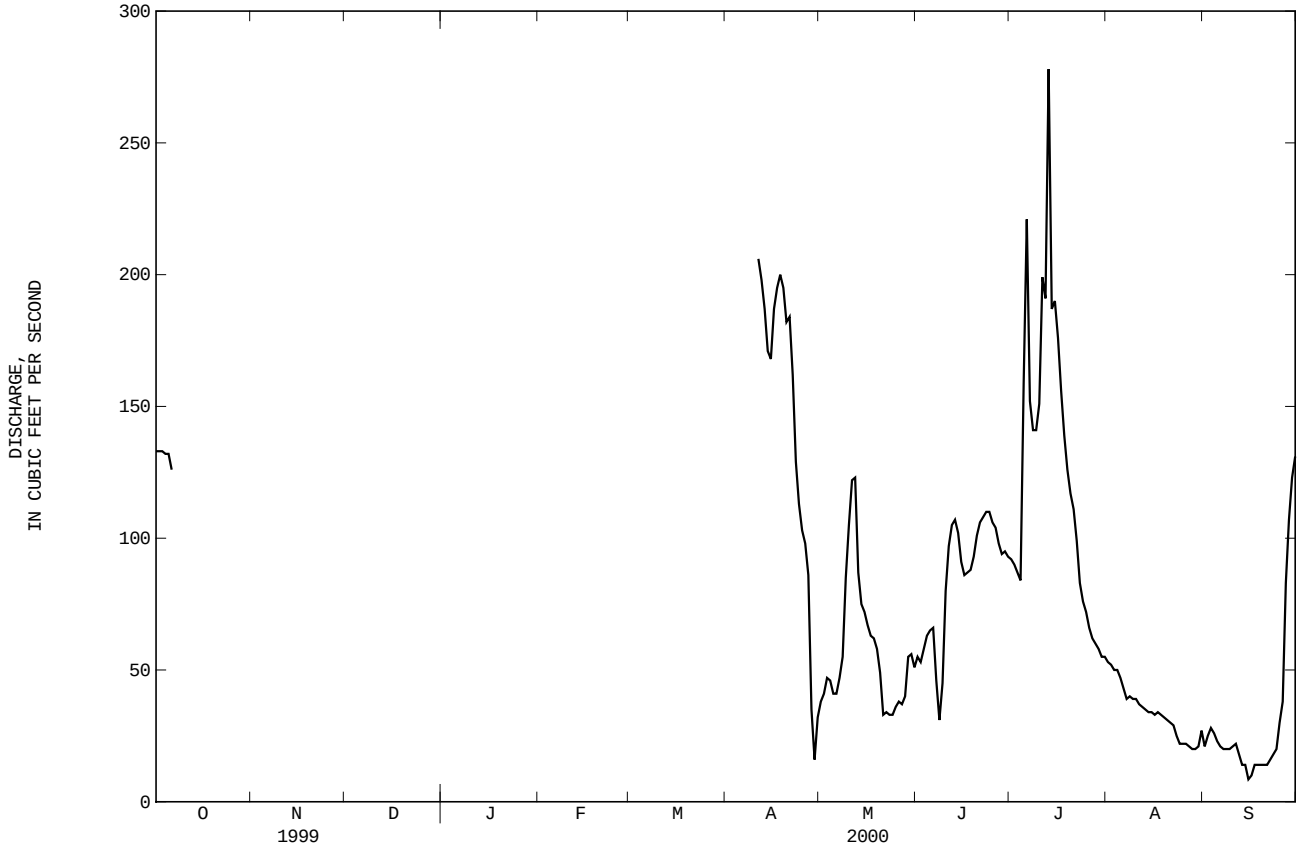
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2000, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	232	452	532	326	121	87.4
MAX	---	---	---	---	---	---	666	1361	1729	890	471	453
(WY)	---	---	---	---	---	---	1998	1986	1983	1983	1983	1983
MIN	---	---	---	---	---	---	1.06	.87	1.43	5.10	6.26	7.79
(WY)	---	---	---	---	---	---	1991	1977	1977	1977	1977	1977

10028500 BEAR RIVER BELOW PIXLEY DAM, NEAR COKEVILLE, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1966 - 2000*	
HIGHEST DAILY MEAN	206e	Apr 11	2040	Jun 5 1983
LOWEST DAILY MEAN	8.5	Sep 15	.56	May 12 1977
INSTANTANEOUS PEAK FLOW	333	Jul 13	--	
INSTANTANEOUS PEAK STAGE	3.78	Jul 13	--	

* For period of record.
e Estimated.



10032000 SMITHS FORK NEAR BORDER, WY

LOCATION.--Lat 42°17'36", long 110°52'18", in NE$^1/_4$SW$^1/_4$SW$^1/_4$ sec. 28, T. 27 N., R. 118 W., Lincoln County, Hydrologic Unit 16010102, on left bank 4.9 mi upstream from Howland Creek, 5.6 mi downstream from Hobble Creek, and 12.4 mi northeast of Border.

DRAINAGE AREA.--165 mi^2.

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

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

GAGE.--Water-stage recorder. Elevation of gage is 6,720 ft above sea level, from topographic map. Prior to October 16, 1945, at site 1.2 mi downstream at different datum. October 16, 1945 to November 1986 at site 0.4 mi down-stream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. One diversion for irrigation of about 200 acres above station. Station operated and record provided by the Utah District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	114	97	84	e65	e60	66	75	296	522	222	124	109
2	112	95	84	e66	e60	65	78	323	495	215	123	109
3	112	95	83	e65	e59	64	77	347	485	207	122	100
4	111	96	e78	e64	e60	66	83	395	479	202	124	97
5	110	95	e74	e65	e62	67	93	408	472	197	122	95
6	110	94	e70	e65	e63	69	97	400	459	191	119	94
7	110	94	e73	e66	e64	68	91	409	451	186	116	94
8	108	94	e77	e67	e65	67	92	376	447	184	114	93
9	108	94	e75	e68	e66	69	100	347	436	181	113	92
10	107	92	e77	e69	e70	67	104	330	417	185	113	92
11	106	93	e73	e70	e69	65	111	311	398	182	111	91
12	105	92	e69	e71	e70	70	124	286	390	172	108	90
13	104	91	e73	e73	e70	66	149	277	387	167	106	90
14	104	90	e80	e74	e72	68	166	275	371	163	105	89
15	103	90	e77	e75	e70	70	157	273	364	161	105	88
16	105	91	e75	e77	e70	65	162	280	360	158	105	87
17	102	91	e80	e78	e69	69	159	288	347	159	103	88
18	102	91	e85	e79	e68	69	162	289	333	156	104	89
19	101	86	e85	81	e65	70	170	291	343	156	103	88
20	100	94	e85	77	65	70	167	309	318	150	100	91
21	100	89	e85	75	71	64	183	342	302	147	99	89
22	100	e90	e82	75	68	66	218	384	291	143	99	91
23	99	e90	e80	75	68	68	226	473	280	140	99	93
24	99	e91	e81	72	69	69	221	568	271	137	98	95
25	98	e93	e77	73	67	68	205	613	262	136	98	92
26	98	93	e73	72	66	74	216	608	256	135	102	89
27	98	92	e70	71	67	76	282	578	248	133	104	88
28	101	89	e67	65	67	81	357	568	240	131	98	87
29	102	88	e67	e64	66	76	331	583	231	130	96	86
30	97	87	e65	e62	---	76	295	579	226	127	108	85
31	98	---	e66	e61	---	73	---	555	---	125	112	---
TOTAL	3224	2757	2370	2180	1926	2141	4951	12361	10881	5078	3353	2761
MEAN	104	91.9	76.5	70.3	66.4	69.1	165	399	363	164	108	92.0
MAX	114	97	85	81	72	81	357	613	522	222	124	109
MIN	97	86	65	61	59	64	75	273	226	125	96	85
AC-FT	6390	5470	4700	4320	3820	4250	9820	24520	21580	10070	6650	5480

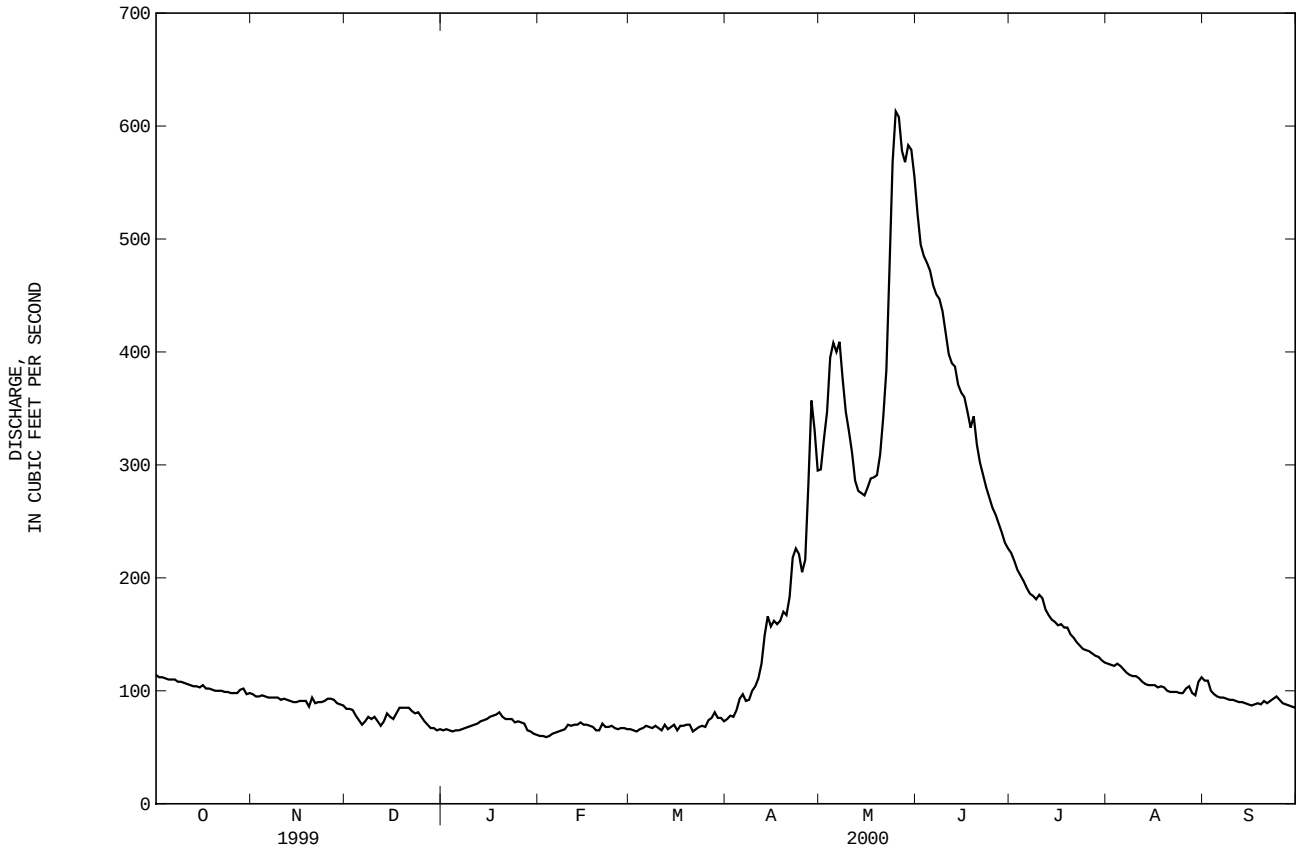
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2000, BY WATER YEAR (WY)

MEAN	91.6	78.8	69.8	64.2	61.6	63.1	161	549	640	300	154	110
MAX	156	113	88.4	85.0	82.8	99.4	385	1072	1377	602	242	166
(WY)	1987	1986	1983	1983	1984	1986	1946	1997	1986	1975	1983	1986
MIN	51.0	50.7	45.3	40.1	38.1	39.5	58.6	99.1	96.2	61.4	55.1	52.1
(WY)	1978	1978	1995	1988	1988	1988	1975	1977	1977	1977	1977	1977

10032000 SMITHS FORK NEAR BORDER, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1943 - 2000	
ANNUAL TOTAL	91318		53983		--	
ANNUAL MEAN	250		147		196	
HIGHEST ANNUAL MEAN	--		--		324	1986
LOWEST ANNUAL MEAN	--		--		71.1	1977
HIGHEST DAILY MEAN	1130	Jun 16	613	May 25	2000	Jun 4 1986
LOWEST DAILY MEAN	54	Jan 28	59	Feb 3	32	Dec 6 1993
ANNUAL SEVEN-DAY MINIMUM	55	Jan 28	61	Jan 30	35	Dec 1 1993
INSTANTANEOUS PEAK FLOW	--		674	May 25	2100	Jun 4 1986
INSTANTANEOUS PEAK STAGE	--		2.80	May 25	5.86[a]	Jun 4 1986
ANNUAL RUNOFF (AC-FT)	181100		107100		141700	
10 PERCENT EXCEEDS	862		342		526	
50 PERCENT EXCEEDS	103		96		91	
90 PERCENT EXCEEDS	60		67		59	

a Site and datum then in use.
e Estimated.



10035000 SMITHS FORK AT COKEVILLE, WY

LOCATION.--Lat 42°05'47", long 110°56'24", in NE$^{1}/_{4}$ NW$^{1}/_{4}$ NW$^{1}/_{4}$ sec.4, T.24 N., R.119 W., Lincoln County, Hydrologic Unit 16010102, 900 ft upstream from U.S. Highway 30N, 1 mi northeast of Cokeville, and 2 mi upstream from mouth.

DRAINAGE AREA.--275 mi^{2}.

PERIOD OF RECORD.--Water years 1983-88, 1989-1992, October 1993 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)
NOV								
17...	0730	95	600	100	10.6	8.4	387	7.0
APR								
19...	1000	182	605	99	10.6	--	365	4.0
MAY								
24...	1510	605	608	99	8.7	8.2	250	21.5
JUN								
14...	1515	301	613	118	10.0	8.3	311	21.0

DATE	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
NOV							
17...	3.0	<.020	<.050	<.010	<.010	68	17
APR							
19...	3.0	<.020	<.050	<.010	<.010	111	55
MAY							
24...	11.0	<.020	.055	<.010	.020	414	676
JUN							
14...	13.0	<.020	<.050	<.010	.011	58	47

10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY

LOCATION.--Lat 42°07'36", long 110°58'21", in NW$^1/_4$SE$^1/_4$NE$^1/_4$ sec. 28, T. 25 N., R. 119 W., Lincoln County, Hydrologic Unit 16010102, on left bank 1.1 mi upstream from Wyman Dam, 2.8 mi northwest of Cokeville, and 3.8 mi downstream from Smiths Fork.

DRAINAGE AREA.--2,447 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1954 to current year (October 1996 to September 1998 seasonal).

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,140 ft above sea level, from river-profile map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Natural flow of stream affected by diversion for irrigation, return flow from irrigated areas, and regulation by upstream reservoirs. Station operated and record provided by the Utah District.

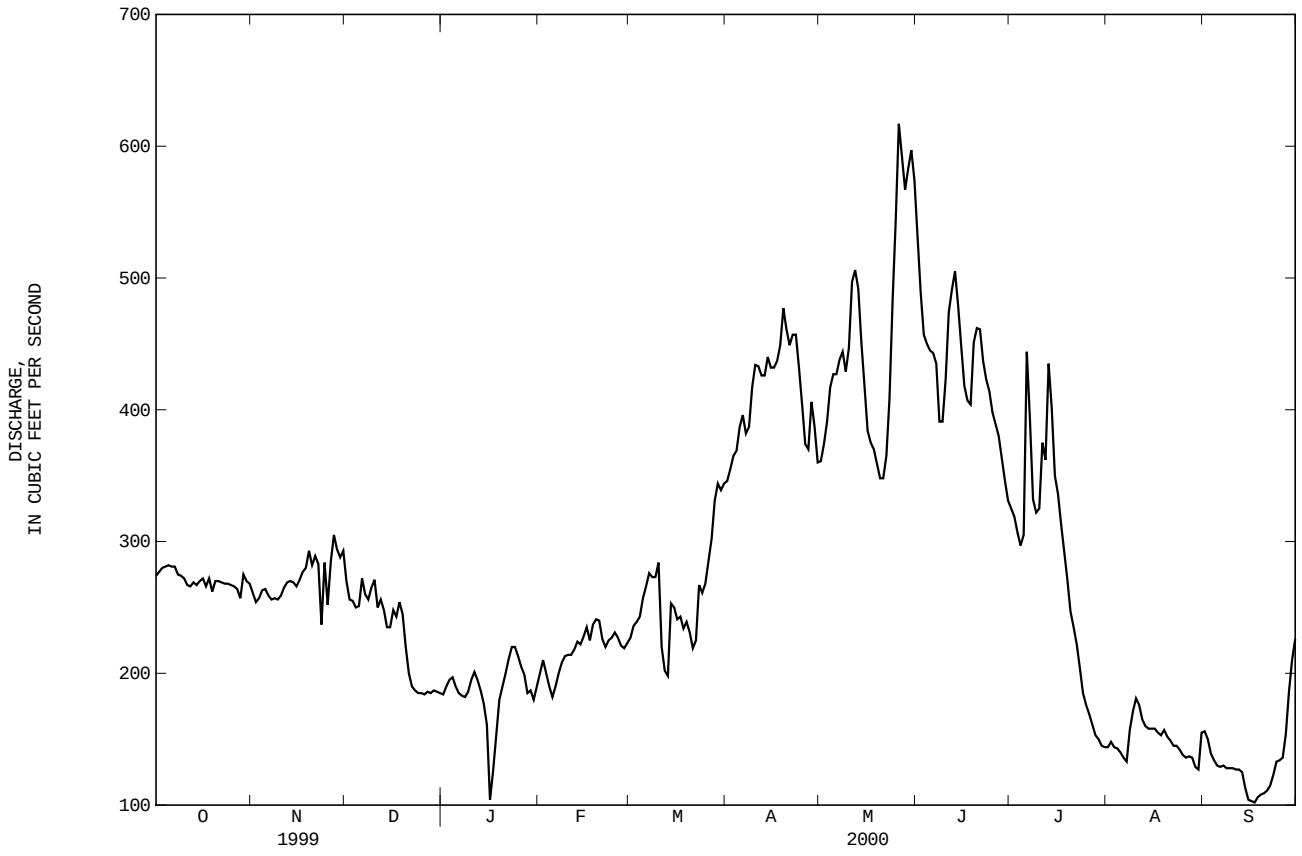
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	274	261	270	e184	e200	227	346	361	531	325	144	156
2	277	254	e256	e190	e210	236	355	374	489	319	148	150
3	280	257	e255	e195	e200	239	365	391	457	307	144	139
4	281	263	e250	e197	e190	243	369	417	450	297	143	134
5	282	264	e251	e190	e182	257	387	427	445	305	140	130
6	281	259	e272	e185	e190	266	396	427	443	444	136	129
7	281	256	e260	e183	e200	276	382	438	435	393	133	130
8	275	257	e256	e182	e208	273	387	444	391	332	157	128
9	274	256	e265	e186	213	273	417	429	391	322	171	128
10	272	259	e271	e195	214	284	434	447	423	325	181	128
11	267	265	e250	e201	214	220	433	497	474	375	176	127
12	266	269	e256	e195	218	202	426	506	491	362	165	127
13	269	270	e248	e187	224	198	426	492	505	435	160	125
14	267	269	e235	e177	222	253	440	451	479	401	158	113
15	270	266	e235	e161	228	250	432	418	448	350	158	104
16	272	271	e248	e104	235	241	432	384	418	336	158	103
17	266	277	e243	e126	225	243	437	375	407	313	155	102
18	272	280	e254	e153	237	234	449	370	404	292	153	106
19	262	293	e245	e180	241	239	477	359	451	271	157	108
20	270	282	e220	e190	240	231	461	348	462	247	152	109
21	270	289	e200	e200	226	219	449	348	461	235	149	111
22	269	283	e190	e211	220	225	457	365	437	222	145	115
23	268	237	e187	e220	225	267	457	408	423	204	145	123
24	268	284	e185	e220	227	261	432	483	414	185	142	133
25	267	252	e185	e213	231	268	404	544	398	176	138	134
26	266	285	e184	e205	227	285	374	617	389	169	136	136
27	264	305	e186	e199	221	302	370	592	380	161	137	154
28	257	294	e185	e185	219	331	406	567	363	153	136	186
29	275	288	e187	e187	223	344	387	583	346	150	129	210
30	270	293	e186	e180	---	339	360	597	331	145	127	226
31	268	---	e185	e190	---	344	---	574	---	144	155	---
TOTAL	8400	8138	7100	5771	6310	8070	12347	14033	12936	8695	4628	4004
MEAN	271	271	229	186	218	260	412	453	431	280	149	133
MAX	282	305	272	220	241	344	477	617	531	444	181	226
MIN	257	237	184	104	182	198	346	348	331	144	127	102
AC-FT	16660	16140	14080	11450	12520	16010	24490	27830	25660	17250	9180	7940
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2000, BY WATER YEAR (WY)												
MEAN	226	235	206	187	213	371	696	1007	1258	596	244	207
MAX	755	692	536	344	429	1159	1945	2794	3712	1556	707	658
(WY)	1983	1983	1983	1984	1986	1986	1985	1984	1983	1983	1983	1983
MIN	55.6	83.1	96.5	86.2	82.4	116	69.2	115	96.7	71.4	80.1	55.9
(WY)	1978	1978	1978	1993	1993	1988	1977	1977	1977	1977	1977	1977

10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1955 - 2000	
ANNUAL TOTAL	238706		100432		--	
ANNUAL MEAN	654		274		452	
HIGHEST ANNUAL MEAN	--		--		1049	1984
LOWEST ANNUAL MEAN	--		--		112	1977
HIGHEST DAILY MEAN	2860	Jun 8	617	May 26	5400	Jun 7 1983
LOWEST DAILY MEAN	176	Mar 9	102	Sep 17	31	Oct 5 1977
ANNUAL SEVEN-DAY MINIMUM	185	Dec 24	106	Sep 15	36	Oct 1 1977
INSTANTANEOUS PEAK FLOW	--		632	May 26	5620	Jun 7 1983
INSTANTANEOUS PEAK STAGE	--		3.94	May 26	8.75	Jun 7 1983
ANNUAL RUNOFF (AC-FT)	473500		199200		327600	
10 PERCENT EXCEEDS	1630		439		1100	
50 PERCENT EXCEEDS	340		257		237	
90 PERCENT EXCEEDS	204		143		116	

e Estimated.



10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 29, 1998 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: November 13, 1998 to current year.

INSTRUMENTATION.--Temperature data logger.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 22.9°C, Jul 31, 2000; minimum, 0.0°C, on many days during the winter period.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 22.9°C, Jul 31; minimum, 0.0°C, on many days during the winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT										
29...	1350	604	105	10.1	8.6	444	8.0	190	47	19
NOV										
13...	1350	266	118	13.1	8.6	629	2.0	270	64	28
DEC										
15...	1040	E221	109	12.8	8.5	638	.5	290	71	27
JAN										
27...	0915	E200	95	11.1	8.1	--	.0	250	63	23
FEB										
17...	0940	E250	95	10.8	7.9	601	.5	260	64	25
MAR										
16...	1030	349	104	11.7	8.3	616	1.0	270	61	28
APR										
22...	1020	694	96	9.3	8.4	567	6.5	250	60	25
MAY										
20...	1000	1360	95	8.4	8.4	533	11.0	240	58	23
JUN										
23...	1240	2160	100	7.9	8.4	452	15.5	200	47	21
JUL										
20...	1025	828	104	7.6	8.2	514	15.8	220	52	22
AUG										
17...	0900	442	114	9.1	8.2	484	15.5	210	54	19
SEP										
22...	1020	332	119	10.2	8.3	507	12.5	240	58	22

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT										
29...	1.7	.5	15	178	210	3	19	.18	4.0	32
NOV										
13...	1.9	.7	27	226	259	8	31	.18	7.8	58
DEC										
15...	1.7	.7	26	237	289	--	29	.20	7.5	62
JAN										
27...	1.6	.6	21	221	270	--	24	.21	7.3	57
FEB										
17...	2.1	.6	23	221	270	--	27	.17	7.8	58
MAR										
16...	4.5	.8	30	216	264	--	38	.17	8.2	59
APR										
22...	2.4	.7	24	213	248	6	25	.17	7.4	55
MAY										
20...	2.2	.6	21	218	261	2	23	.18	7.8	41
JUN										
23...	2.0	.5	18	205	250	--	18	.14	9.7	23
JUL										
20...	1.5	.6	19	217	265	--	22	.15	8.6	33
AUG										
17...	1.5	.5	15	192	234	--	16	.13	7.5	41
SEP										
22...	1.7	.5	19	199	242	--	19	.15	6.4	49

E Estimated.

10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
OCT										
29...	<.020	.24	.42	<.050	<.010	<.050	<.010	.090	.36	427
NOV										
13...	<.020	.15	.21	.102	<.010	<.050	<.010	E.031	.52	272
DEC										
15...	.029	.12	.13	.088	.018	<.050	<.010	<.050	.52	E229
JAN										
27...	.029	.11	.15	.130	<.010	<.004	<.010	.016	.47	E187
FEB										
17...	<.020	.17	.24	.113	<.010	<.004	<.010	.018	.49	E242
MAR										
16...	.029	.40	.62	.077	<.010	.022	.013	.083	.54	374
APR										
22...	.030	.20	.81	.089	<.010	.015	.020	.274	.46	635
MAY										
20...	.026	.25	.82	<.050	<.010	.020	.018	.283	.45	1230
JUN										
23...	<.020	.36	.87	.055	<.010	.024	.023	.273	.38	1650
JUL										
20...	<.020	.31	.53	.085	<.010	.015	.010	.154	.42	689
AUG										
17...	<.020	.16	.23	<.050	<.010	.007	<.010	.077	.39	341
SEP										
22...	<.020	.18	.29	<.050	<.010	<.004	<.010	.048	.42	275

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TUR-BID-ITY (NTU) (00076)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
29...	262	244	--	<10	E2.6	3.8	1.7	121	74	--
NOV										
13...	379	354	--	E7.1	15	2.2	.40	42	59	--
DEC										
15...	383	367	--	<10	15	2.1	.40	E57	95	--
JAN										
27...	347	331	--	E7.9	22	1.8	.20	E19	35	--
FEB										
17...	358	341	--	E6.3	24	2.3	.20	E31	46	--
MAR										
16...	397	359	--	23	38	5.4	.50	24	26	--
APR										
22...	339	328	--	<10	6.3	3.7	4.0	326	174	82
MAY										
20...	334	307	--	<10	4.9	4.2	>5.0	925	252	84
JUN										
23...	283	261	--	E5.4	7.1	6.5	3.0	1010	173	75
JUL										
20...	308	289	--	<10	6.8	4.7	1.4	239	107	95
AUG										
17...	286	269	15	<10	6.4	2.6	--	50	42	97
SEP										
22...	307	295	8.0	<10	6.3	2.9	.60	54	60	81

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
DEC				
15...	1040	E221	.5	<1
FEB				
16...	1715	E242	.5	K2
MAY				
20...	1000	1360	11.0	170
AUG				
17...	0900	442	15.5	30

E Estimated.
K Results based on colony count outside the acceptable range (non ideal colony count).

10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT										
26...	1040	266	106	11.0	8.4	567	4.5	260	62	25
NOV										
16...	0940	274	104	11.6	8.4	570	1.7	260	64	24
DEC										
14...	1020	E235	93	11.0	7.8	580	.0	270	67	25
JAN										
20...	1030	E190	94	10.9	8.2	540	.3	250	64	23
FEB										
15...	1120	231	103	11.9	8.0	532	.3	240	62	22
MAR										
22...	1100	E234	107	12.0	8.3	650	1.9	270	64	28
APR										
25...	1020	405	100	9.4	8.4	550	8.2	240	60	22
MAY										
17...	1110	383	120	9.7	8.3	540	9.2	240	60	22
JUN										
13...	1220	510	115	9.4	7.9	671	14.5	260	57	30
JUL										
19...	1020	270	106	8.2	8.4	770	17.4	330	67	40
AUG										
24...	1150	144	110	8.8	8.3	540	16.0	240	60	21
SEP										
19...	1020	108	105	9.0	8.2	534	12.4	250	63	22

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT										
26...	1.5	.6	22	206	251	--	23	.14	6.3	59
NOV										
16...	1.8	.6	22	202	246	--	24	.16	6.6	60
DEC										
14...	1.6	.6	23	224	273	--	25	.20	8.1	61
JAN										
20...	1.5	.5	18	202	246	--	19	.16	8.5	60
FEB										
15...	1.5	.5	18	204	249	--	19	.15	7.9	61
MAR										
22...	2.4	.8	31	229	274	3	35	.13	8.4	83
APR										
25...	1.9	.6	22	206	240	5	25	.11	7.4	60
MAY										
17...	1.8	.6	21	202	238	4	20	.14	8.2	58
JUN										
13...	2.7	.9	32	229	279	--	35	.20	14	57
JUL										
19...	3.0	1	45	299	363	1	44	.29	11	59
AUG										
24...	1.4	.5	18	199	241	--	19	.18	7.1	59
SEP										
19...	1.6	.5	19	188	229	--	20	.14	6.7	63

E Estimated.

10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
OCT										
26...	<.020	.13	.22	<.050	<.010	<.050	<.010	E.005	.44	232
NOV										
16...	<.020	.13	.14	.059	<.010	<.006	<.010	.021	.45	244
DEC										
14...	.029	.14	.16	.135	<.010	.007	<.010	.029	.48	E225
JAN										
20...	.029	.13	E.09	.183	<.010	E.005	<.010	.027	.44	E165
FEB										
15...	.028	.10	.19	.162	<.010	.006	<.010	.033	.44	203
MAR										
22...	.029	.20	.35	.061	<.010	.007	<.010	.045	.54	E252
APR										
25...	<.020	.21	.41	<.050	<.010	.010	<.010	.150	.46	371
MAY										
17...	<.020	.24	.45	<.050	<.010	.011	<.010	.067	.45	345
JUN										
13...	<.020	.52	.67	.054	<.010	.019	<.010	.105	.56	563
JUL										
19...	<.020	.49	.66	<.050	<.010	.010	<.010	.100	.64	342
AUG										
24...	<.020	.14	.26	.063	<.010	E.004	.060	.034	.44	126
SEP										
19...	<.020	.11	.26	<.050	<.010	E.003	<.010	.041	.42	90.7

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TUR-BID-ITY (NTU) (00076)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
26...	323	321	3.1	<10	12	2.2	.50	40	55	60
NOV										
16...	330	323	4.6	E7.9	14	1.8	.40	57	77	50
DEC										
14...	354	347	4.0	<10	17	1.9	.40	E41	65	52
JAN										
20...	321	315	3.5	<10	12	1.7	.40	E13	25	72
FEB										
15...	325	314	5.1	<10	14	1.7	.60	53	85	94
MAR										
22...	399	389	5.8	E5.3	40	3.0	.80	E52	83	82
APR										
25...	339	320	28	<10	11	2.9	2.6	103	94	96
MAY										
17...	334	313	5.4	<10	23	3.5	1.4	35	34	94
JUN										
13...	409	365	30	14	18	8.5	1.2	161	117	82
JUL										
19...	469	449	27	14	8.9	6.4	1.2	95	130	92
AUG										
24...	324	305	21	<10	19	2.0	.46	17	45	89
SEP										
19...	311	308	25	E6.6	17	1.7	.57	17	59	99

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV				
16...	0940	274	1.7	K15
FEB				
15...	1120	231	.3	K29
JUN				
22...	1230	433	16.7	50
AUG				
24...	1150	144	16.0	45

E Estimated.
K Results based on colony count outside the acceptable range (non ideal colony count).

10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY--Continued
(National Water-Quality Assessment Program Station)

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	10.7	8.0	9.3	4.9	2.8	4.0	.8	.0	.4	.1	.0	.0
2	9.8	6.7	8.5	4.2	1.7	3.1	.2	.0	.0	.1	.0	.0
3	9.8	6.3	8.1	4.2	1.4	3.0	.4	.0	.0	.1	.0	.0
4	10.1	6.1	8.3	5.2	2.0	3.7	.1	.0	.0	.1	.0	.0
5	10.5	6.7	8.8	5.0	2.0	3.7	.0	.0	.0	.1	.0	.0
6	9.5	7.3	8.7	5.2	2.2	3.9	.1	.0	.0	.1	.0	.0
7	10.4	7.2	8.8	4.3	2.5	3.5	.4	.0	.0	.1	.0	.0
8	10.7	7.0	9.0	5.0	2.7	4.0	.1	.0	.0	.1	.0	.0
9	10.5	7.5	9.3	5.2	3.0	4.2	.0	.0	.0	.1	.0	.0
10	11.6	7.8	9.8	4.4	2.0	3.4	.3	.0	.0	.1	.0	.0
11	10.9	8.1	9.7	4.6	2.0	3.4	.0	.0	.0	.1	.0	.0
12	10.9	7.7	9.4	4.7	2.0	3.5	.1	.0	.0	.1	.0	.0
13	10.9	7.3	9.3	4.1	1.7	3.1	.1	.0	.0	.1	.0	.0
14	10.2	7.2	9.0	3.6	1.1	2.5	.1	.0	.0	.1	.0	.0
15	9.4	6.9	8.1	3.2	.6	2.1	.0	.0	.0	.1	.0	.0
16	7.4	4.7	6.1	3.8	1.2	2.6	.1	.0	.0	.1	.0	.0
17	6.1	3.0	4.8	4.2	1.7	3.1	.3	.0	.1	.1	.0	.0
18	6.4	3.6	5.1	3.5	1.9	2.7	.1	.0	.0	.1	.0	.0
19	6.4	3.3	5.0	1.9	.1	1.1	.1	.0	.0	.1	.0	.0
20	6.9	3.5	5.3	2.0	.8	1.3	.3	.0	.0	.3	.0	.0
21	7.2	3.8	5.7	1.9	.6	1.2	.1	.0	.0	.1	.0	.0
22	7.2	3.9	5.7	1.2	.0	.5	.1	.0	.0	.3	.0	.0
23	7.0	3.8	5.6	.4	.0	.1	.1	.0	.0	.1	.0	.0
24	7.2	3.9	5.7	.1	.0	.0	.0	.0	.0	.3	.0	.0
25	7.0	3.8	5.6	.6	.0	.1	.0	.0	.0	.3	.0	.0
26	8.6	3.9	5.8	1.2	.1	.5	.0	.0	.0	.4	.0	.1
27	7.5	4.4	6.0	1.7	.0	.8	.0	.0	.0	.3	.0	.0
28	6.4	4.6	5.2	1.7	.0	.7	.1	.0	.0	.1	.0	.0
29	5.2	3.5	4.3	2.0	.0	1.0	.1	.0	.0	.0	.0	.0
30	5.0	2.2	3.7	1.6	.3	.9	.0	.0	.0	.0	.0	.0
31	5.6	2.5	4.2	---	---	---	.0	.0	.0	.0	.0	.0
MONTH	11.6	2.2	7.0	5.2	.0	2.3	.8	.0	.0	.4	.0	.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.1	.0	.0	4.4	.8	2.4	8.5	5.0	6.7	14.3	8.6	11.4
2	.1	.0	.0	3.6	.6	1.9	7.7	6.2	6.9	14.5	10.3	12.4
3	.1	.0	.0	3.8	.0	1.7	8.8	4.9	7.0	15.1	10.3	12.8
4	.1	.0	.0	4.1	.0	1.9	10.6	6.3	8.6	15.1	11.2	13.2
5	.1	.0	.0	2.5	.4	1.5	10.9	8.3	9.7	13.4	10.9	12.2
6	.3	.0	.0	4.1	.3	2.0	9.7	6.2	7.8	12.0	9.5	10.4
7	.3	.0	.0	3.5	1.1	2.0	8.9	4.8	6.8	11.4	8.9	9.9
8	.3	.0	.0	3.3	.3	1.7	10.3	5.8	8.1	10.5	8.0	9.3
9	.3	.0	.1	2.2	.9	1.4	10.1	8.0	9.1	11.1	8.2	9.7
10	.3	.0	.1	3.3	.0	1.4	10.7	7.5	9.2	9.9	5.4	8.0
11	.3	.0	.1	3.3	.0	1.6	11.8	8.1	10.0	7.5	3.8	5.6
12	.3	.0	.1	4.2	.0	2.0	11.8	9.4	10.7	10.3	6.1	8.0
13	.3	.0	.1	4.2	.0	2.1	11.2	8.7	10.1	11.7	7.2	9.5
14	.4	.0	.1	3.9	.8	2.3	10.5	9.0	9.7	14.2	9.4	11.7
15	.6	.0	.2	3.9	1.1	2.3	10.1	8.2	9.2	14.2	10.8	12.4
16	.3	.0	.1	4.2	.0	2.1	9.9	7.6	8.8	13.3	10.6	11.9
17	.9	.0	.4	3.9	.9	2.6	9.9	8.2	9.1	11.1	8.9	10.1
18	.9	.0	.2	4.4	.1	2.4	9.4	6.6	8.5	12.6	9.1	10.9
19	.8	.0	.1	3.3	1.1	2.0	8.5	5.9	7.1	14.3	9.9	12.0
20	.4	.0	.1	2.4	.0	1.1	11.3	7.0	9.0	15.9	10.8	13.3
21	1.4	.0	.5	3.9	.0	1.8	12.2	9.1	10.8	15.6	11.6	13.7
22	2.5	.3	1.2	5.5	.0	3.0	11.7	10.3	10.9	16.5	12.0	14.3
23	1.1	.0	.5	5.6	2.2	4.2	11.9	8.9	10.4	17.3	12.4	14.7
24	1.2	.1	.6	6.4	2.2	4.5	11.7	8.6	10.1	15.7	13.1	14.2
25	2.0	.0	.7	7.0	2.8	5.1	11.4	7.7	9.7	14.0	11.9	13.0
26	1.1	.0	.4	9.0	4.8	6.9	13.4	8.5	11.0	13.7	10.9	12.2
27	2.5	.0	1.1	9.3	5.3	7.5	15.1	10.0	12.6	14.6	10.6	12.6
28	3.0	.0	1.5	8.7	6.9	7.9	15.1	11.7	13.5	16.0	12.6	14.2
29	3.0	.1	1.6	7.8	4.7	6.3	12.7	9.2	10.7	16.6	12.7	14.5
30	---	---	---	9.2	5.6	7.1	12.5	7.4	9.9	16.0	12.6	14.3
31	---	---	---	8.4	4.8	6.6	---	---	---	15.5	12.5	13.9
MONTH	3.0	.0	.3	9.3	.0	3.2	15.1	4.8	9.4	17.3	3.8	11.8

10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY--Continued
(National Water-Quality Assessment Program Station)

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	14.9	10.5	12.7	20.3	16.4	18.1	21.9	18.4	20.1	15.9	13.2	14.4
2	16.7	11.4	14.0	20.9	16.1	18.5	20.9	17.5	19.3	15.7	11.7	13.7
3	17.5	12.7	15.0	19.4	16.4	18.0	21.0	18.0	19.4	16.5	11.5	14.1
4	18.2	13.0	15.6	19.5	14.8	17.1	21.9	17.2	19.3	16.8	12.1	14.6
5	17.7	13.6	15.8	20.1	14.7	17.4	20.9	16.8	18.9	17.3	12.8	15.0
6	18.8	13.5	16.1	20.2	16.1	18.2	20.7	15.7	18.3	15.4	12.3	13.9
7	19.0	13.9	16.5	20.6	16.1	18.4	20.4	15.9	18.2	15.3	10.3	12.9
8	17.3	14.4	15.6	20.0	16.6	18.4	21.0	15.9	18.4	14.3	10.9	12.7
9	15.1	12.4	13.5	21.0	16.8	18.9	20.9	16.7	18.7	14.0	10.6	12.3
10	15.6	10.6	12.9	19.2	17.2	18.2	20.9	17.0	18.9	14.8	9.7	12.3
11	17.6	12.3	15.0	20.8	15.4	17.9	21.4	17.2	19.3	14.9	11.2	13.3
12	16.7	14.6	15.6	21.0	17.1	19.2	20.4	15.6	18.1	16.8	11.7	14.3
13	17.2	13.1	14.9	22.5	18.1	20.2	19.6	15.3	17.5	17.0	12.8	14.9
14	18.2	12.9	15.6	22.5	18.9	20.7	19.9	14.8	17.4	18.0	12.8	15.3
15	19.3	14.9	16.9	21.5	18.9	20.3	19.3	15.3	17.2	17.6	13.1	15.4
16	17.1	13.8	15.4	21.0	18.6	20.0	20.2	16.0	18.1	17.6	12.8	15.2
17	17.4	11.8	14.6	22.2	18.6	20.2	19.6	15.3	17.4	16.4	13.2	14.8
18	17.3	13.3	15.2	21.0	17.3	19.1	18.8	15.4	17.0	14.9	11.5	13.3
19	17.0	13.6	15.0	20.9	16.4	18.6	19.3	14.9	17.1	15.1	11.5	13.2
20	17.2	12.2	14.7	20.7	16.8	18.8	19.3	14.6	17.0	15.4	11.2	13.3
21	19.1	13.3	16.1	21.4	16.5	19.0	18.8	14.0	16.5	13.2	10.4	11.9
22	20.5	14.8	17.7	21.5	16.5	19.2	16.5	13.4	15.1	11.5	8.2	10.1
23	21.0	16.0	18.5	21.4	16.4	19.1	18.0	13.2	15.6	8.2	5.8	6.9
24	21.2	16.5	18.8	21.2	16.7	19.0	19.1	14.6	16.7	8.9	4.9	6.6
25	21.0	16.7	18.8	21.5	16.4	19.0	18.1	15.3	16.8	10.0	5.0	7.6
26	21.2	16.0	18.7	21.9	17.3	19.6	16.7	15.3	16.0	11.5	6.7	9.1
27	20.6	16.9	18.7	22.4	17.5	19.8	17.5	14.0	15.6	12.3	7.7	10.1
28	20.9	15.6	18.3	20.9	16.8	19.1	18.3	13.8	16.1	12.8	8.9	11.0
29	21.1	16.1	18.7	21.7	16.4	19.2	18.6	13.8	16.3	14.0	10.0	12.1
30	19.9	15.9	18.2	22.5	17.3	19.9	16.8	15.2	15.9	13.8	10.0	12.0
31	---	---	---	22.9	18.0	20.4	16.0	14.0	14.8	---	---	---
MONTH	21.2	10.5	16.1	22.9	14.7	19.0	21.9	13.2	17.5	18.0	4.9	12.5

10039500 BEAR RIVER AT BORDER, WY

LOCATION.--Lat 42°12'40", long 111°03'11", in $NE^1/_4NE^1/_4NE^1/_4$ sec. 15, T. 14 S., R. 46 E., Bear Lake County, Idaho, Hydrologic Unit 16010102, on left bank 0.2 mi west of Wyoming-Idaho State line, 0.5 mi west of Border, and 2.1 mi upstream from Thomas Fork.

DRAINAGE AREA.--2,486 mi^2.

PERIOD OF RECORD.--October 1937 to September 1996, October 1996 to current year (seasonal).

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,051.63 ft above sea level, unadjusted.

REMARKS.--Records good. Natural flow of stream affected by regulation of upstream reservooirs, diversions for irrigation, and return flow from irrigated areas. Station operated and record provided by the Utah District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	260	226	---	---	---	---	383	385	483	268	128	117
2	256	219	---	---	---	---	386	394	453	260	129	116
3	255	218	---	---	---	---	397	405	417	255	130	103
4	253	222	---	---	---	---	401	420	403	245	128	101
5	251	225	---	---	---	---	414	423	400	242	125	100
6	248	221	---	---	---	---	426	394	395	324	123	101
7	247	217	---	---	---	---	414	409	390	341	121	103
8	240	221	---	---	---	---	408	413	363	287	129	100
9	236	215	---	---	---	---	432	405	352	280	145	101
10	233	219	---	---	---	---	453	424	368	287	157	100
11	228	223	---	---	---	---	449	473	405	321	155	101
12	226	231	---	---	---	---	443	487	422	351	149	99
13	228	258	---	---	---	---	440	480	437	371	144	98
14	225	258	---	---	---	---	450	438	416	403	141	89
15	226	257	---	---	---	---	456	410	398	336	140	84
16	227	259	---	---	---	---	442	381	369	324	141	86
17	226	266	---	---	---	---	450	372	360	312	137	85
18	228	271	---	---	---	---	457	364	348	299	133	92
19	220	283	---	---	---	---	488	357	397	275	139	97
20	226	266	---	---	---	---	484	346	404	255	137	99
21	227	279	---	---	---	---	462	343	411	239	135	103
22	227	265	---	---	---	---	470	351	382	224	135	107
23	226	e233	---	---	---	---	474	374	368	213	137	116
24	226	e260	---	---	---	---	459	418	357	199	101	119
25	225	e245	---	---	---	---	436	461	344	182	100	121
26	225	e255	---	---	---	---	410	517	331	158	102	114
27	223	e275	---	---	---	---	393	514	327	155	102	121
28	215	e270	---	---	---	---	419	495	302	140	101	152
29	231	e266	---	---	---	---	421	507	289	137	98	177
30	240	e272	---	---	---	---	391	523	274	134	91	192
31	237	---	---	---	---	---	---	516	---	132	110	---
TOTAL	7241	7395	---	---	---	---	13008	13199	11365	7949	3943	3294
MEAN	234	246	---	---	---	---	434	426	379	256	127	110
MAX	260	283	---	---	---	---	488	523	483	403	157	192
MIN	215	215	---	---	---	---	383	343	274	132	91	84
AC-FT	14360	14670	---	---	---	---	25800	26180	22540	15770	7820	6530

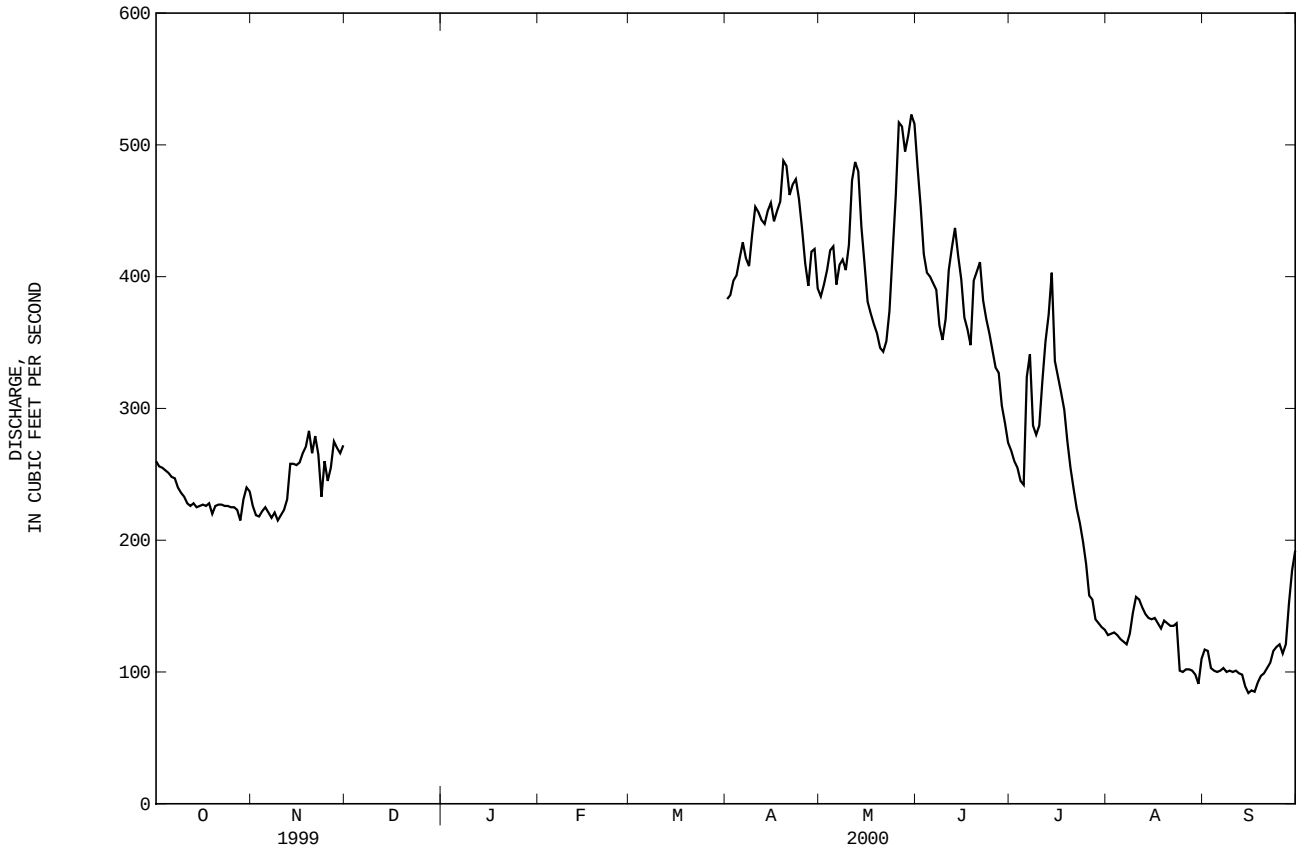
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2000, BY WATER YEAR (WY)

MEAN	214	229	200	185	211	386	762	1044	1195	545	231	184
MAX	751	693	563	381	479	1294	1979	3158	3829	1670	752	671
(WY)	1983	1983	1983	1985	1986	1986	1985	1952	1983	1983	1983	1983
MIN	51.4	81.2	106	77.6	75.2	105	71.2	74.4	62.2	54.2	42.3	38.5
(WY)	1978	1978	1993	1993	1993	1988	1977	1977	1977	1977	1940	1940

10039500 BEAR RIVER AT BORDER, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEARS*		WATER YEARS 1938 - 2000*	
HIGHEST DAILY MEAN	523	May 30	4840	Jun 8 1983
LOWEST DAILY MEAN	84	Sep 15	25	Apr 29,30 1977
INSTANTANEOUS PEAK FLOW	538	May 26	4880	Jun 7 1983
INSTANTANEOUS PEAK STAGE	3.23	May 26	9.69	Jun 7 1983

* For period of operation.
e Estimated.



13010065 SNAKE RIVER ABOVE JACKSON LAKE, AT FLAGG RANCH, WY

LOCATION.--Lat 44°05'21", long 110°41'38", in Hydrologic Unit 17040101, Grand Teton National Park, on left bank 50 ft upstream from State Highway 89 bridge, 2 mi downstream from the south boundary of Yellowstone National Park, 600 ft downstream from the confluence with Sheffield Creek.

DRAINAGE AREA.--486 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1983 to current year. Prior to 1988 water year, published as station 13010200.

GAGE.--Water-stage recorder. Datum of the gage is 6,801.61 ft above sea level, (levels by U.S. Coast and Geodetic Survey). A nonrecording cantilever chain gage was used from 1913-18 at a site 2.5 mi upstream at a different datum. In 1918, an auxiliary chain gage was installed at the current site and read periodically. Water-stage recorder installed July 1921 at the current site at a different datum and operated until July 1925. Records probably not comparable.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry. Station operated and record provided by the Idaho District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	395	371	417	395	402	421	365	2900	3310	851	376	287
2	390	343	412	396	402	416	371	3640	3200	815	369	302
3	383	362	407	e380	398	407	349	4160	3200	778	364	290
4	378	366	371	397	390	400	367	4670	3150	738	360	276
5	376	371	376	402	391	400	424	4310	2990	707	396	269
6	378	361	391	e390	388	410	431	3230	2840	674	375	268
7	378	354	411	e390	e380	406	405	2750	2710	649	356	270
8	375	362	e400	e400	e370	402	424	2410	2490	625	344	262
9	373	358	e400	402	392	398	480	2350	2250	629	338	252
10	371	347	416	403	391	393	523	2180	2060	613	340	248
11	370	350	e400	435	393	395	618	1940	1870	599	334	266
12	365	345	412	438	410	381	772	1730	1840	575	322	260
13	362	341	433	448	417	381	958	1580	2520	555	314	252
14	360	339	e420	472	445	390	1070	1570	1900	535	306	249
15	360	329	435	476	447	385	852	1840	1780	514	303	248
16	358	341	443	482	448	373	853	2250	1630	498	302	246
17	343	342	441	475	466	379	916	2750	1470	503	295	252
18	359	353	449	472	466	373	994	2660	1370	534	304	258
19	346	325	445	473	e450	391	1030	3250	1740	536	314	261
20	345	350	445	466	e420	380	1200	3580	1760	494	307	269
21	347	366	444	463	437	382	1520	3950	1450	476	297	268
22	345	358	437	456	442	383	1930	4520	1350	462	288	288
23	344	353	424	448	433	385	2170	4770	1280	447	283	287
24	343	345	418	444	428	380	1770	4540	1210	430	281	281
25	351	382	e410	443	431	371	1420	4570	1140	422	280	278
26	347	424	411	440	422	385	1610	6400	1070	416	283	276
27	357	451	409	434	429	388	2000	4580	1040	416	287	272
28	384	436	e400	e420	440	412	2920	5290	1010	403	272	270
29	393	421	e400	e400	430	390	3100	4950	942	395	265	270
30	377	417	e390	e380	---	368	2360	4450	891	389	270	267
31	372	---	e390	e390	---	368	---	3920	---	384	288	---
TOTAL	11325	10963	12857	13310	12158	12093	34202	107690	57463	17062	9813	8042
MEAN	365	365	415	429	419	390	1140	3474	1915	550	317	268
MAX	395	451	449	482	466	421	3100	6400	3310	851	396	302
MIN	343	325	371	380	370	368	349	1570	891	384	265	246
AC-FT	22460	21750	25500	26400	24120	23990	67840	213600	114000	33840	19460	15950

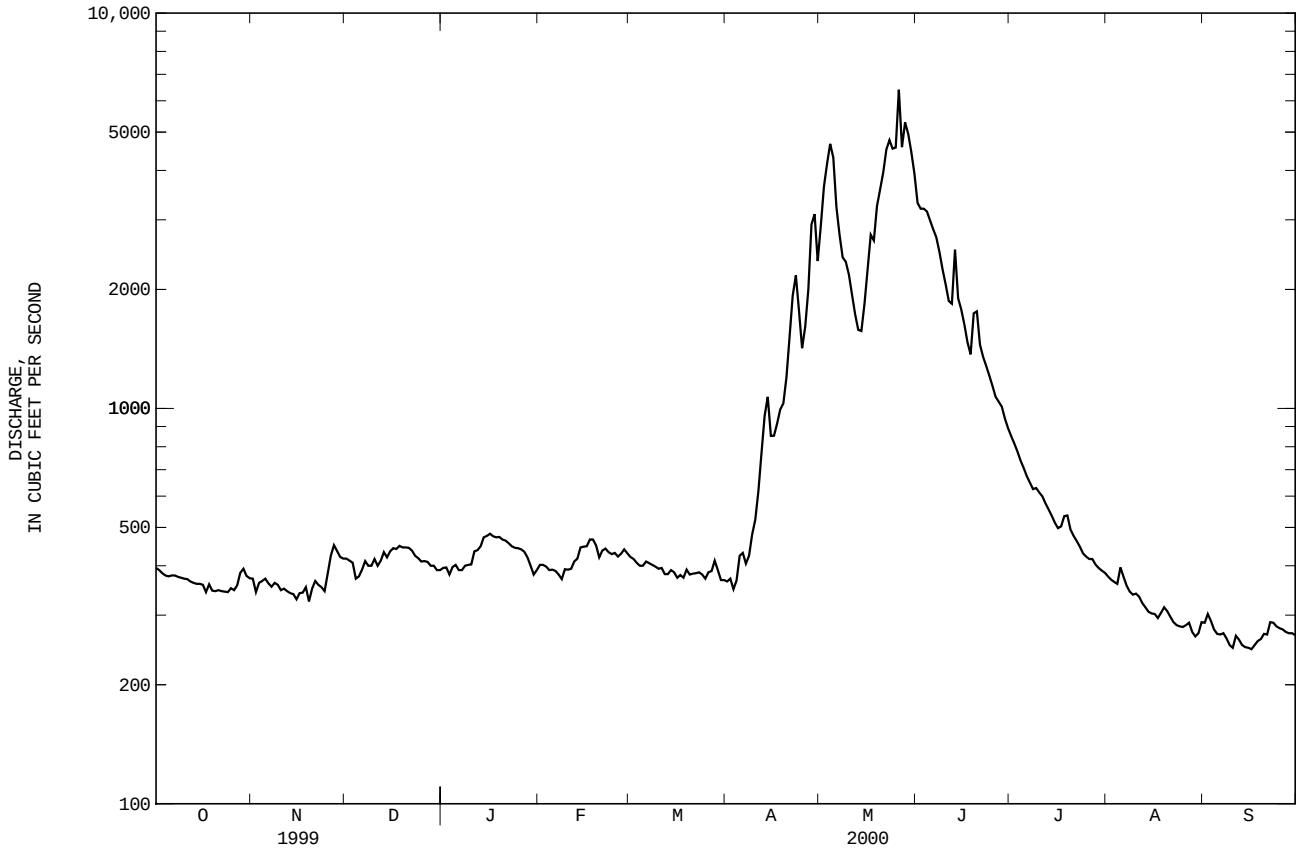
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2000, BY WATER YEAR (WY)

MEAN	367	369	373	369	357	362	735	3061	3315	950	450	361
MAX	679	607	531	720	469	506	1509	5484	6701	1633	861	644
(WY)	1984	1984	1997	1997	1999	1986	1990	1997	1996	1995	1997	1997
MIN	185	213	247	275	267	279	424	1818	827	331	202	168
(WY)	1989	1988	1988	1992	1989	1988	1993	1987	1992	1988	1988	1994

13010065 SNAKE RIVER ABOVE JACKSON LAKE, AT FLAGG RANCH, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1984 - 2000	
ANNUAL TOTAL	427840		306978		--	
ANNUAL MEAN	1172		839		924	
HIGHEST ANNUAL MEAN	--		--		1538	1997
LOWEST ANNUAL MEAN	--		--		526	1988
HIGHEST DAILY MEAN	8110	May 29	6400	May 26	11300	Jun 5 1996
LOWEST DAILY MEAN	325	Nov 19	246	Sep 16	161	Sep 6 1994
ANNUAL SEVEN-DAY MINIMUM	339	Nov 13	252	Sep 12	163	Sep 4 1994
ANNUAL RUNOFF (AC-FT)	848600		608900		669000	
10 PERCENT EXCEEDS	3700		2280		2510	
50 PERCENT EXCEEDS	457		403		407	
90 PERCENT EXCEEDS	365		288		270	

e Estimated.



13010065 SNAKE RIVER ABOVE JACKSON LAKE AT FLAGG RANCH, WY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.-- Water years 1986 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: June to September 1994, June to September 1995, May to September 1996.

INSTRUMENTATION:--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 22.5°C July 22, 24, Aug. 11, 1994.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT												
27...	1045	356	600	99	9.4	7.6	260	8.0	7.0	60	18.5	3.32
DEC												
15...	1600	441	600	102	11.4	7.7	243	.0	1.0	46	14.4	2.53
FEB												
23...	1430	431	595	102	10.6	7.8	246	.5	3.5	44	13.7	2.47
APR												
20...	1200	1120	600	101	10.1	7.8	172	9.0	5.0	49	14.7	2.87
JUN												
20...	1145	1610	597	112	10.1	7.9	136	12.0	9.0	39	12.0	2.28
AUG												
02...	1500	356	598	108	7.8	8.2	262	30.0	19.0	59	18.2	3.28

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT												
27...	3.9	2	30.0	71	--	15.3	2.3	37.6	28.5	.12	<.020	<.050
DEC												
15...	4.1	2	29.6	65	--	15.4	2.3	35.8	25.0	E.10	<.020	<.050
FEB												
23...	4.2	2	29.3	65	--	16.1	2.6	35.7	24.0	E.10	<.020	<.050
APR												
20...	2.2	.9	14.6	59	--	7.1	1.3	18.5	14.0	.21	<.020	<.050
JUN												
20...	1.8	.8	10.9	47	--	5.4	1.0	19.3	10.4	.16	<.020	<.050
AUG												
02...	4.3	2	27.0	--	72	13.8	1.9	31.1	28.3	E.10	<.020	<.050

DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT												
27...	.011	<.050	1.2	.2	.24	170	177	182	10	3	8	7.7
DEC												
15...	<.010	<.050	1.3	.2	.24	207	174	168	10	2	5	6.0
FEB												
23...	<.010	<.050	1.2	<.2	.24	202	174	166	10	3	3	3.5
APR												
20...	<.010	E.045	3.0	.5	.16	357	118	109	20	4	37	112
JUN												
20...	<.010	.099	2.8	.3	.14	443	102	91	20	3	19	83
AUG												
02...	<.010	<.050	1.1	<.2	.24	171	178	171	10	3	5	4.8

E Estimated.

13010065 SNAKE RIVER ABOVE JACKSON LAKE AT FLAGG RANCH, WY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)
DEC											
15...	1600	441	.0	1.0	<.003	<.002	<.002	<.002	<.001	<.002	<.002
JUN											
20...	1145	1610	12.0	9.0	<.003	<.002	<.002	<.002	<.001	<.002	<.002

DATE	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
DEC											
15...	<.003	<.003	<.004	<.004	<.002	<.002	97	<.002	<.001	<.017	<.002
JUN											
20...	<.003	<.003	<.004	<.004	<.002	<.002	100	<.002	<.001	<.017	E.001

DATE	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
DEC											
15...	<.004	<.003	<.003	94	<.004	<.002	<.005	<.001	<.006	<.002	<.004
JUN											
20...	<.004	<.003	<.003	95	<.004	<.002	<.005	<.001	<.006	<.002	<.004

DATE	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)
DEC										
15...	<.004	<.003	E.002	<.004	<.004	<.004	<.005	<.002	<.018	<.003
JUN										
20...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003

DATE	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
DEC										
15...	<.007	<.004	--	<.005	<.010	<.007	<.013	<.002	<.001	<.002
JUN										
20...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002

E Estimated.

13010500 JACKSON LAKE NEAR MORAN, WY

LOCATION.--Lat 43°51'33", long 110°35'23", in SE$^1/_4$ SW$^1/_4$ sec.18, T.45 N., R.114 W., Teton County, Grand Teton National Park, Hydrologic Unit 17040101, at Jackson Lake Dam on Snake River, 4.3 mi west of Moran, and at mile 988.9.

DRAINAGE AREA.--807 mi^2.

PERIOD OF RECORD.--July 1908 to September 1979, (1908-10 fragmentary), October 1984 to current year. Prior to October 1968, published as "at Moran".

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

GAGE.--Shaft encoder connected to a stilling well float. Datum of gage is 6,700.00 ft, U.S. Bureau of Reclamation datum, sea level is 2.08 ft lower. July 1908 to June 1, 1941, nonrecording gage at site 300 ft upstream at same datum. June 1, 1941 to Feb. 17, 1978, nonrecording gage at same site and datum.

REMARKS.--Station equipment includes satellite telemetry. Reservoir was formed by log crib dam built in the outlet of the natural lake in 1906. Usable capacity was 300,000 acre-ft. This dam washed out in July 1910 and was replaced by an earth dam, forming a reservoir with a usable capacity of 380,000 acre-ft. The earth dam was raised in 1916, increasing the usable capacity to 790,000 acre-ft. In 1917, by dredging the outlet, the usable capacity was further increased to 847,000 acre-ft between elevations 6,730 ft (top of baffles to sluices) and 6,769 ft (top of spillway gates). The dam was rebuilt during 1987-89, with the usable capacity remaining the same. Reservoir is used to store water for irrigation in Snake River valley, Idaho. Figures given herein represent usable contents. Station provided by the Idaho District.

COOPERATION.--Reservoir elevations and capacity table provided by U.S. Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 874,100 acre-ft June 11, 1997, elevation, 6,770.06 ft; no usable contents for several days during period August to October 1919.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 844,400 acre-ft June 14, 15, elevation, 6,768.81 ft; minimum, 624,400 acre-ft Nov. 24, elevation, 6,760.00 ft.

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

6,760	624,400
6,770	872,600

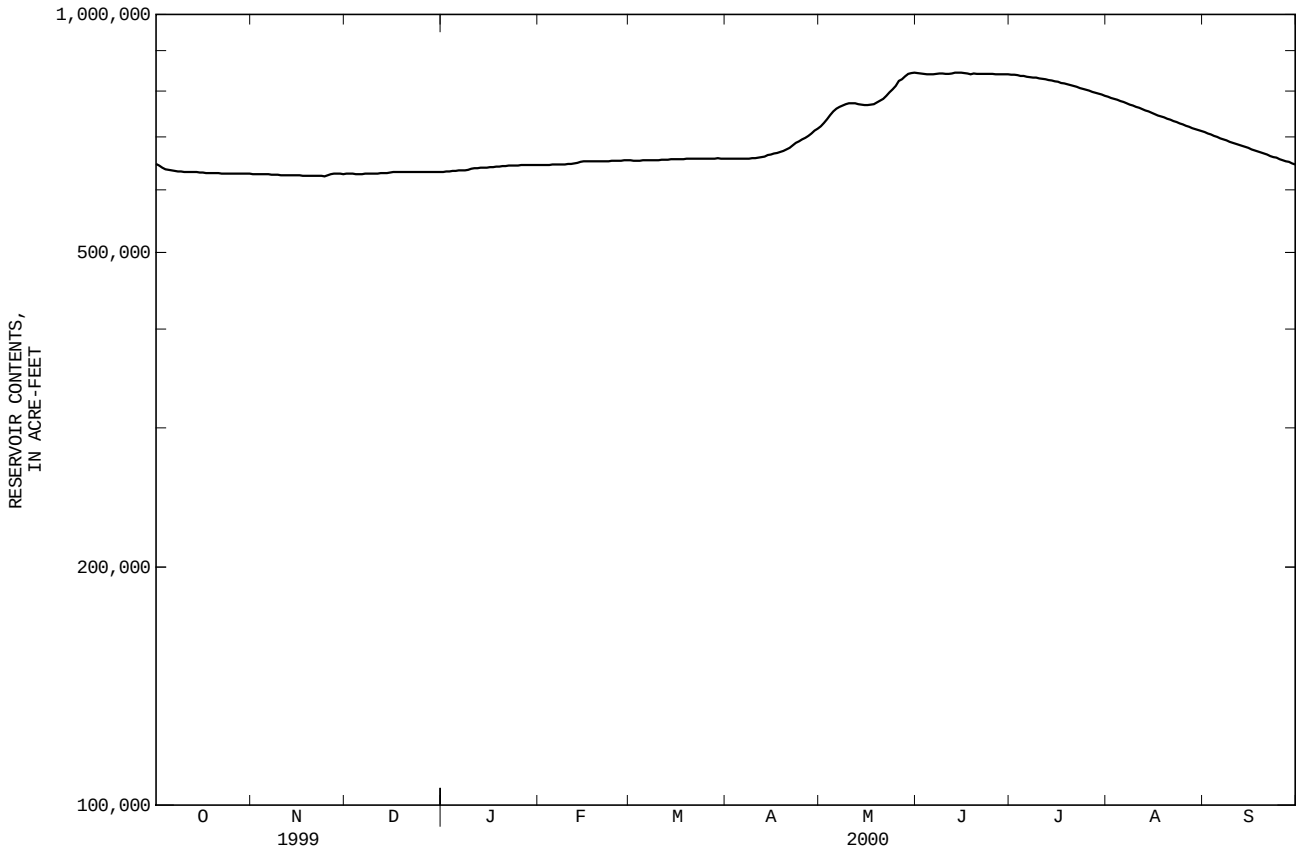
RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	647000	628000	629000	632000	645000	654000	657000	722000	843000	839000	787000	710000
2	644000	628000	629000	633000	645000	653000	657000	729000	842000	839000	784000	707000
3	640000	628000	629000	633000	645000	653000	657000	737000	841000	838000	782000	705000
4	637000	628000	628000	e634000	645000	653000	657000	746000	840000	836000	780000	702000
5	636000	628000	628000	634000	646000	654000	657000	754000	840000	836000	777000	700000
6	635000	628000	628000	635000	646000	654000	657000	760000	840000	834000	775000	697000
7	634000	627000	629000	635000	646000	654000	657000	764000	841000	833000	772000	695000
8	633000	627000	629000	635000	e646000	654000	657000	767000	842000	832000	769000	693000
9	633000	627000	629000	636000	646000	654000	658000	770000	842000	832000	767000	690000
10	632000	626000	629000	638000	647000	654000	658000	772000	841000	830000	764000	688000
11	632000	626000	629000	639000	647000	655000	659000	772000	841000	829000	762000	686000
12	632000	626000	630000	639000	648000	655000	660000	772000	842000	828000	759000	684000
13	632000	626000	630000	640000	649000	655000	661000	770000	844000	826000	756000	682000
14	632000	626000	630000	640000	651000	656000	664000	769000	844000	825000	754000	680000
15	631000	626000	631000	640000	652000	656000	665000	768000	844000	823000	751000	678000
16	631000	626000	632000	e641000	652000	656000	667000	768000	843000	822000	748000	675000
17	630000	625000	632000	641000	652000	656000	668000	769000	842000	819000	745000	673000
18	630000	625000	e632000	642000	652000	656000	670000	770000	840000	818000	743000	671000
19	630000	625000	632000	642000	652000	657000	672000	774000	842000	816000	741000	669000
20	630000	625000	632000	643000	652000	657000	675000	778000	841000	814000	738000	667000
21	630000	625000	632000	643000	652000	657000	678000	782000	841000	812000	736000	665000
22	629000	625000	632000	644000	652000	657000	683000	789000	841000	810000	733000	662000
23	629000	625000	632000	644000	e652000	657000	688000	797000	841000	807000	731000	660000
24	629000	624000	632000	644000	653000	657000	691000	804000	841000	805000	728000	659000
25	629000	626000	632000	644000	653000	657000	695000	812000	841000	803000	726000	656000
26	629000	628000	632000	645000	653000	657000	698000	824000	840000	801000	723000	654000
27	629000	629000	632000	645000	653000	657000	702000	828000	840000	798000	721000	652000
28	629000	629000	632000	645000	654000	657000	707000	835000	840000	796000	718000	651000
29	629000	629000	632000	645000	654000	658000	713000	841000	840000	794000	716000	648000
30	629000	628000	632000	645000	---	657000	717000	843000	840000	792000	714000	646000
31	629000	---	632000	645000	---	657000	---	844000	---	789000	712000	---
MAX	647200	628700	632300	645000	653500	657600	716600	843900	844400	838800	786700	710000
MIN	628700	624400	628200	632300	645000	653200	656900	721800	839800	789200	711700	646500
(#)	6760.20	6760.17	6760.33	6760.86	6761.21	6761.37	6763.80	6768.88	6768.72	6766.72	6763.60	6760.92
(*)	-21800	-800	3900	12700	8500	3900	59200	127300	-4100	-50600	-77500	-65200

CAL YEAR 1999 MAX 842100 MIN 520300 (*) 42300
WTR YEAR 2000 MAX 844400 MIN 624400 (*) -4500

(#) Elevation, in feet, at end of month.
(*) Change in contents, in acre-feet.
e Estimtaed.

13010500 JACKSON LAKE NEAR MORAN, WY--Continued



13011000 SNAKE RIVER NEAR MORAN, WY

LOCATION.--Lat 43°51'31", long 110°35'09", in SW$^{1}/_{4}$SE$^{1}/_{4}$ sec.18, T.45 N., R.114 W., Teton County, Grand Teton National Park, Hydrologic Unit 17040101, on left bank 1,000 ft downstream from Jackson Lake Dam, 4.1 mi west of Moran, and at mile 988.7.

DRAINAGE AREA.--807 mi^{2}. Mean elevation, 8,040 ft.

PERIOD OF RECORD.--September 1903 to current year. Monthly discharge only for some periods, published in WSP 1317. Published as "South Fork Snake River at Moran" prior to October 1910 and as "Snake River at Moran" October 1910 to September 1968.

REVISED RECORDS.--WSP 1217: 1944(m). WSP 1347: 1906-10. WDR Idaho 1974: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,727.84 ft above sea level (levels by U.S. Bureau of Reclamation). Prior to June 13, 1917, nonrecording gage, and June 14, 1917 to May 20, 1940, water-stage recorder, at site 1.5 mi downstream at different datums.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry.

COOPERATION.--Water District 1.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood during early June 1894 was considerably higher than that of June 12, 1918.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

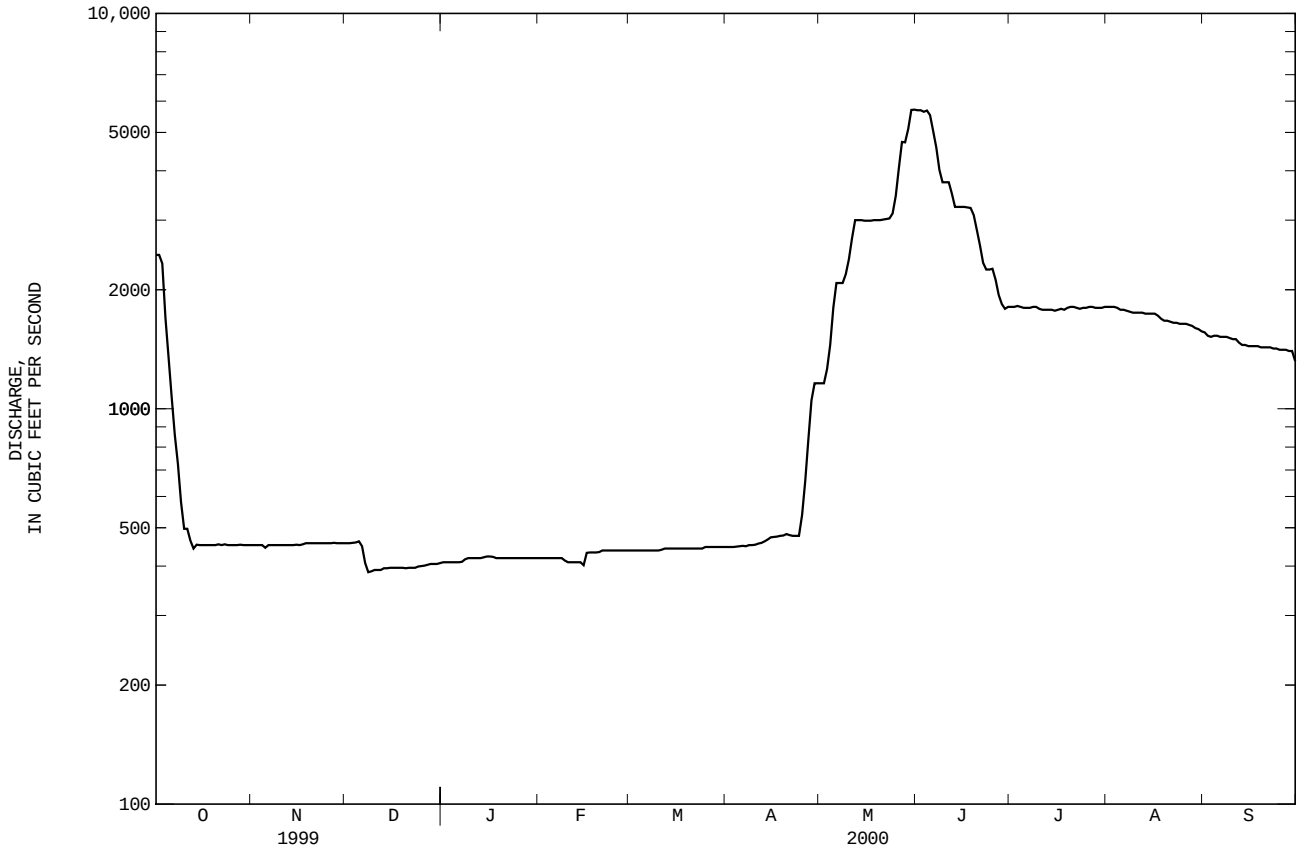
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2450	452	457	409	419	438	447	1160	5690	1810	1810	1560
2	2450	452	457	409	419	438	447	1160	5690	1810	1810	1530
3	2330	452	458	409	419	438	447	1260	5640	1820	1810	1520
4	1700	452	459	409	419	438	448	1450	5680	1810	1800	1530
5	1350	445	462	409	419	438	449	1800	5530	1800	1780	1530
6	1070	452	449	409	419	438	450	2080	5040	1800	1780	1520
7	859	452	407	410	419	438	449	2080	4580	1800	1770	1520
8	725	452	386	416	419	438	452	2080	4020	1810	1760	1520
9	580	452	388	419	413	438	452	2190	3740	1810	1750	1510
10	497	452	391	419	409	438	453	2390	3740	1790	1750	1500
11	497	452	391	419	409	440	456	2700	3740	1780	1750	1500
12	464	452	391	419	409	443	458	3000	3500	1780	1750	1470
13	443	452	395	419	409	443	462	3000	3240	1780	1740	1450
14	453	452	395	421	409	443	467	3000	3240	1780	1740	1450
15	452	453	396	423	402	443	473	2990	3240	1770	1740	1440
16	452	452	396	423	432	443	474	2990	3240	1780	1740	1440
17	452	454	396	422	433	443	475	2990	3230	1790	1720	1440
18	452	457	396	419	433	443	477	3000	3220	1780	1690	1440
19	452	457	396	419	433	443	478	3000	3090	1800	1670	1430
20	452	457	395	419	434	443	482	3000	2830	1810	1670	1430
21	454	457	396	419	438	443	479	3010	2590	1810	1660	1430
22	452	457	396	419	438	443	477	3020	2340	1800	1650	1430
23	454	457	396	419	438	443	477	3030	2250	1790	1650	1420
24	452	457	399	419	438	443	477	3120	2250	1800	1640	1420
25	452	457	400	419	438	447	539	3450	2260	1800	1640	1410
26	452	457	401	419	438	447	656	4060	2120	1810	1640	1410
27	452	458	403	419	438	447	835	4730	1940	1810	1630	1410
28	453	457	405	419	438	447	1050	4720	1840	1800	1620	1400
29	452	457	405	419	438	447	1160	5100	1790	1800	1600	1400
30	452	457	405	419	---	447	1160	5700	1810	1800	1590	1320
31	452	---	407	419	---	447	---	5710	---	1810	1570	---
TOTAL	23557	13622	12674	12930	12319	13708	16506	92970	103110	55740	52920	43780
MEAN	760	454	409	417	425	442	550	2999	3437	1798	1707	1459
MAX	2450	458	462	423	438	447	1160	5710	5690	1820	1810	1560
MIN	443	445	386	409	402	438	447	1160	1790	1770	1570	1320
AC-FT	46730	27020	25140	25650	24430	27190	32740	184400	204500	110600	105000	86840

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2000, BY WATER YEAR (WY)

MEAN	356	295	332	310	373	479	756	1499	3510	3943	3491	1977
MAX	1605	3009	4280	1362	2489	3053	3828	5658	8594	8182	7370	5265
(WY)	1913	1957	1957	1912	1961	1951	1974	1971	1918	1921	1918	1984
MIN	5.06	3.00	2.00	2.00	2.00	2.00	2.53	6.48	51.7	983	987	146
(WY)	1948	1949	1945	1945	1945	1945	1945	1945	1932	1989	1919	1910

13011000 SNAKE RIVER NEAR MORAN, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1904 - 2000	
ANNUAL TOTAL	656782		453836		--	
ANNUAL MEAN	1799		1240		1449	
HIGHEST ANNUAL MEAN	--		--		2548	1997
LOWEST ANNUAL MEAN	--		--		687	1989
HIGHEST DAILY MEAN	6560	Jun 17	5710	May 31	14700	Jun 13 1918
LOWEST DAILY MEAN	386	Dec 8	386	Dec 8	.30	Oct 28 1969
ANNUAL SEVEN-DAY MINIMUM	391	Dec 8	391	Dec 8	1.4	Oct 24 1969
ANNUAL RUNOFF (AC-FT)	1303000		900200		1050000	
10 PERCENT EXCEEDS	3060		2990		4300	
50 PERCENT EXCEEDS	2050		462		497	
90 PERCENT EXCEEDS	401		409		17	



13011500 PACIFIC CREEK AT MORAN, WY

LOCATION.--Lat 43°51'04", long 110°30'59", in SW$^1/_4$NW$^1/_4$ sec.23, T.45 N., R.114 W., Teton County, Grand Teton National Park, Hydrologic Unit 17040101, on left bank 40 ft upstream from bridge on U.S. Highway 287, at Moran, and at mile 0.5.

DRAINAGE AREA.--169 mi^2. Mean elevation, 8,160 ft.

PERIOD OF RECORD.--July to November 1906 (gage heights only), July 1917 to September 1918 (no winter records), September 1944 to September 1975, July 1978 to current year. Published as "near Moran" prior to October 1968.

GAGE.--Water-stage recorder. Elevation of gage is 6,720 ft above sea level, from topographic map. July 31 to Nov. 11, 1906, nonrecording gage at site 0.4 mi downstream at different datum. July 20, 1917 to Sept. 30, 1918, nonrecording gage at site 0.1 mi downstream at different datum. Sept. 23, 1944 to Nov. 13, 1959, at site 100 ft upstream at same datum. Nov. 14, 1959 to Sept. 24, 1975, at site 35 ft downstream at same datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Station equipment includes satellite telemetry. No diversion or regulation. Station operated and record provided by the Idaho District.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 4	0145	2,860	6.70
May 26	0700	*3,000	*6.76

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	44	39	e44	e36	57	60	1040	1340	184	75	54
2	56	41	40	e42	e42	57	61	1530	1220	179	74	56
3	55	42	40	e42	e50	55	61	1860	1220	169	73	55
4	54	42	e42	e42	e48	55	62	2210	1140	160	74	53
5	53	43	e42	e44	e48	55	73	2090	1140	155	75	52
6	53	43	e44	e44	e48	55	77	1470	1060	147	73	52
7	53	42	e44	e46	e44	59	75	1180	1020	141	69	53
8	51	43	e44	e44	e44	55	79	910	966	135	67	52
9	51	e42	e44	e46	e48	58	100	878	874	136	65	51
10	49	e42	e46	e50	e46	58	116	809	817	134	64	51
11	49	42	e48	e55	e46	57	165	738	709	131	63	52
12	48	41	e48	e50	e50	55	257	661	632	124	61	52
13	48	e40	e46	e50	e50	55	341	600	843	119	60	51
14	47	e40	e44	e55	e50	55	399	585	640	113	58	50
15	46	e40	e48	e55	e50	55	281	641	586	110	58	50
16	45	e40	e50	e55	e48	55	269	737	542	107	58	50
17	42	39	e50	e55	e48	58	285	868	462	110	57	50
18	42	41	e50	e55	e42	55	331	866	410	115	57	50
19	43	39	e50	e55	e40	57	334	1080	460	111	59	51
20	45	40	e50	e55	e40	55	381	1280	463	105	56	52
21	45	40	e50	e55	e44	55	492	1410	366	101	55	52
22	45	40	e48	e55	e44	55	696	1490	340	97	54	54
23	45	e40	e46	e55	e42	55	770	1710	314	94	53	54
24	45	e38	e44	e55	e42	55	641	1510	290	90	52	53
25	45	e36	e44	e55	e50	55	527	1930	269	89	51	52
26	44	e34	e44	e54	e55	58	549	2680	247	86	51	52
27	44	34	e44	e52	e50	59	630	2090	245	87	52	52
28	45	36	e44	e46	58	62	892	2250	227	84	51	52
29	46	e38	e44	e40	55	62	1050	2200	208	82	51	51
30	44	39	e42	e36	---	61	832	2020	194	79	52	50
31	44	---	e42	e36	---	61	---	1740	---	77	55	---
TOTAL	1479	1201	1401	1523	1358	1759	10886	43063	19244	3651	1873	1559
MEAN	47.7	40.0	45.2	49.1	46.8	56.7	363	1389	641	118	60.4	52.0
MAX	57	44	50	55	58	62	1050	2680	1340	184	75	56
MIN	42	34	39	36	36	55	60	585	194	77	51	50
AC-FT	2930	2380	2780	3020	2690	3490	21590	85420	38170	7240	3720	3090

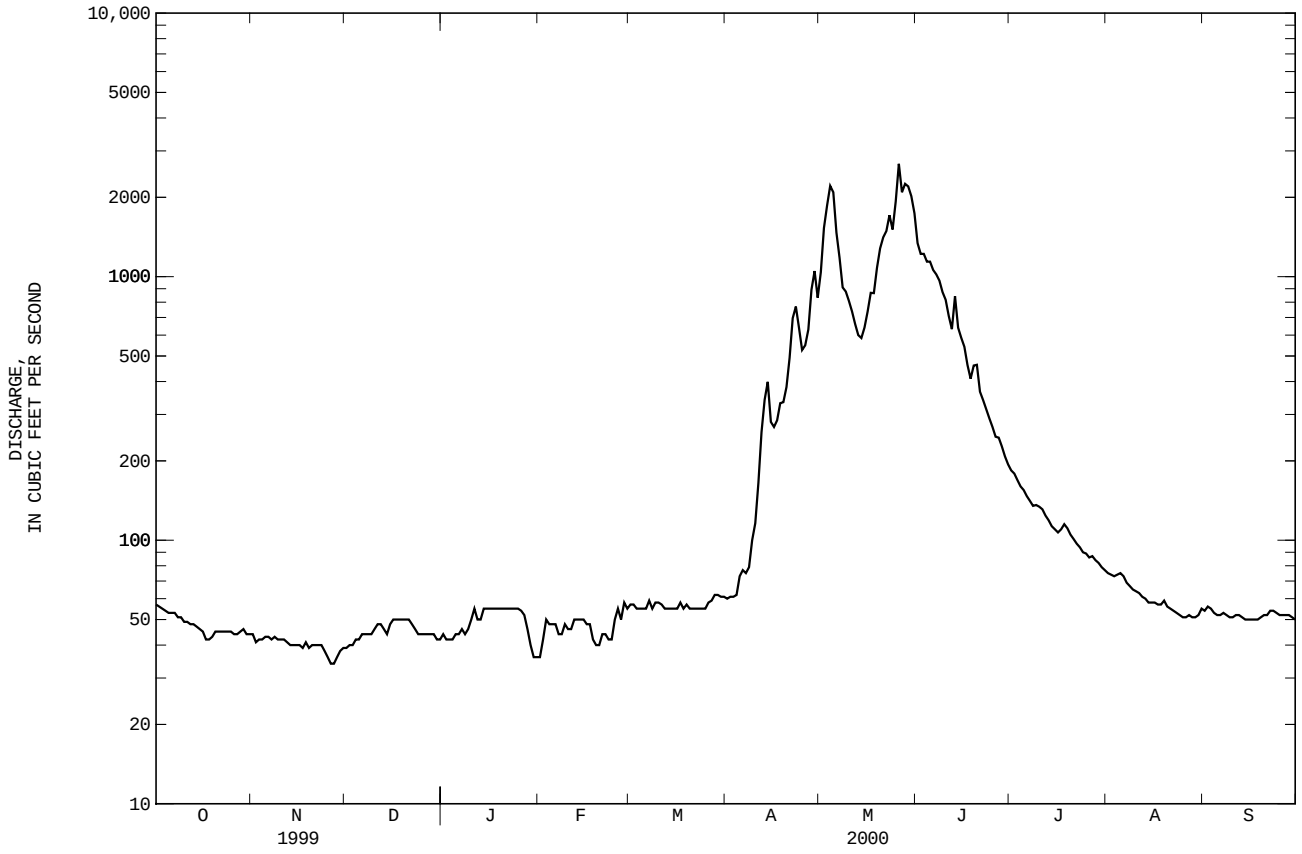
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2000, BY WATER YEAR (WY)

MEAN	65.4	54.8	48.9	44.8	46.1	52.7	156	982	1286	350	98.9	71.7
MAX	142	105	93.5	70.7	72.2	94.5	418	2314	2884	1527	191	127
(WY)	1973	1973	1984	1951	1995	1972	1946	1997	1997	1982	1982	1972
MIN	34.6	32.6	29.7	25.3	26.6	34.6	53.3	345	238	70.0	43.0	37.2
(WY)	1988	1953	1955	1979	1955	1963	1970	1975	1994	1994	1988	1994

13011500 PACIFIC CREEK AT MORAN, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1917 - 2000	
ANNUAL TOTAL	144761		88997		--	
ANNUAL MEAN	397		243		272	
HIGHEST ANNUAL MEAN	--		--		560	1997
LOWEST ANNUAL MEAN	--		--		132	1994
HIGHEST DAILY MEAN	3730	May 27	2680	May 26	4170	Jun 1 1997
LOWEST DAILY MEAN	34	Nov 26	34	Nov 26	19	Dec 31 1978
ANNUAL SEVEN-DAY MINIMUM	36	Nov 24	36	Nov 24	23	Jan 6 1993
ANNUAL RUNOFF (AC-FT)	287100		176500		196800	
10 PERCENT EXCEEDS	1630		835		937	
50 PERCENT EXCEEDS	69		55		66	
90 PERCENT EXCEEDS	42		42		39	

e Estimated.



13011900 BUFFALO FORK ABOVE LAVA CREEK, NEAR MORAN, WY

LOCATION.--Lat 43°50'14", long 110°26'21", in $SE^1/_4NE^1/_4$ sec.29, T.45 N., R.113 W., Teton County, Hydrologic Unit 17040101, Grand Teton National Park, on right bank below bridge on U.S. Highway 26/287, about 2 mi upstream from Lava Creek, 3.5 mi east of Moran, and 4.0 mi upstream from mouth.

DRAINAGE AREA.--323 mi^2.

PERIOD OF RECORD.--September 1965 to current year. July to November 1906, July 1917 to September 1918, and September 1944 to September 1960 at sites about 3 mi downstream.

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

GAGE.--Water-stage recorder. Datum of gage is 6,772.78 ft above sea level (Federal Highway Administration bench mark).

REMARKS.--Records good except those for estimated daily discharges, which are poor. Station equipment includes satellite telemetry. Station operated and record provided by the Idaho District.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 25	0400	3,200	5.53
May 30	0245	3,840	6.13
June 8	0430	*3,940	*6.22

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	267	219	e180	e120	e90	e120	131	752	2720	1250	327	226
2	264	190	e180	e110	e100	e120	137	1040	2570	1180	320	237
3	258	213	e160	e110	e110	e110	121	1210	2770	1080	313	221
4	254	210	e140	e110	e120	e110	137	1480	3020	1000	321	208
5	253	220	e120	e120	e120	e110	176	1520	3150	876	337	200
6	251	206	e130	e110	e120	e120	186	1220	3070	881	314	196
7	250	199	e130	e95	e120	e120	168	1080	3280	830	295	202
8	247	208	e120	e100	e120	e120	170	920	3430	809	283	196
9	246	203	e110	e100	e130	e120	207	863	3160	756	270	192
10	242	191	e110	e120	e120	e120	224	795	2270	759	271	190
11	239	199	e110	e130	e120	e120	262	701	1870	696	280	194
12	237	194	e100	e130	e130	e120	318	622	1820	676	263	193
13	234	188	e100	e130	e130	e120	394	563	2120	640	253	185
14	233	188	e120	e140	e130	e120	440	534	1660	608	245	183
15	230	179	e130	e140	e130	e120	372	549	1770	583	239	180
16	223	197	e140	e150	e120	e120	332	642	1860	559	239	178
17	208	198	e140	e150	e110	e120	311	817	1580	562	233	178
18	238	199	e140	e140	e100	e120	309	757	1410	576	238	180
19	220	164	e140	e140	e100	e110	328	916	1840	533	249	184
20	219	185	e140	e140	e95	e110	324	1080	1610	488	234	204
21	223	180	e140	e150	e100	e110	361	1300	1280	458	228	190
22	220	180	e140	e150	e100	e110	467	1500	1370	439	222	211
23	216	e170	e130	e140	e110	e110	489	2220	1650	421	219	198
24	214	e170	e130	e140	e110	e110	464	2400	1840	404	215	194
25	218	e180	e120	e140	e110	e120	399	2780	1830	391	213	202
26	214	e190	e120	e140	e110	e130	398	2760	1460	380	212	198
27	219	e190	e120	e130	e110	e140	434	2360	1380	379	215	194
28	223	e180	e120	e120	e110	150	615	2520	1270	367	208	194
29	226	e180	e120	e100	e120	142	806	3280	1290	355	203	196
30	213	e180	e110	e90	---	129	645	3340	1270	344	208	194
31	217	---	e110	e80	---	127	---	3130	---	337	230	---
TOTAL	7216	5750	4000	3865	3295	3728	10125	45651	61620	19617	7897	5898
MEAN	233	192	129	125	114	120	338	1473	2054	633	255	197
MAX	267	220	180	150	130	150	806	3340	3430	1250	337	237
MED	230	190	130	130	110	120	326	1080	1840	576	239	194
AC-FT	14310	11410	7930	7670	6540	7390	20080	90550	122200	38910	15660	11700

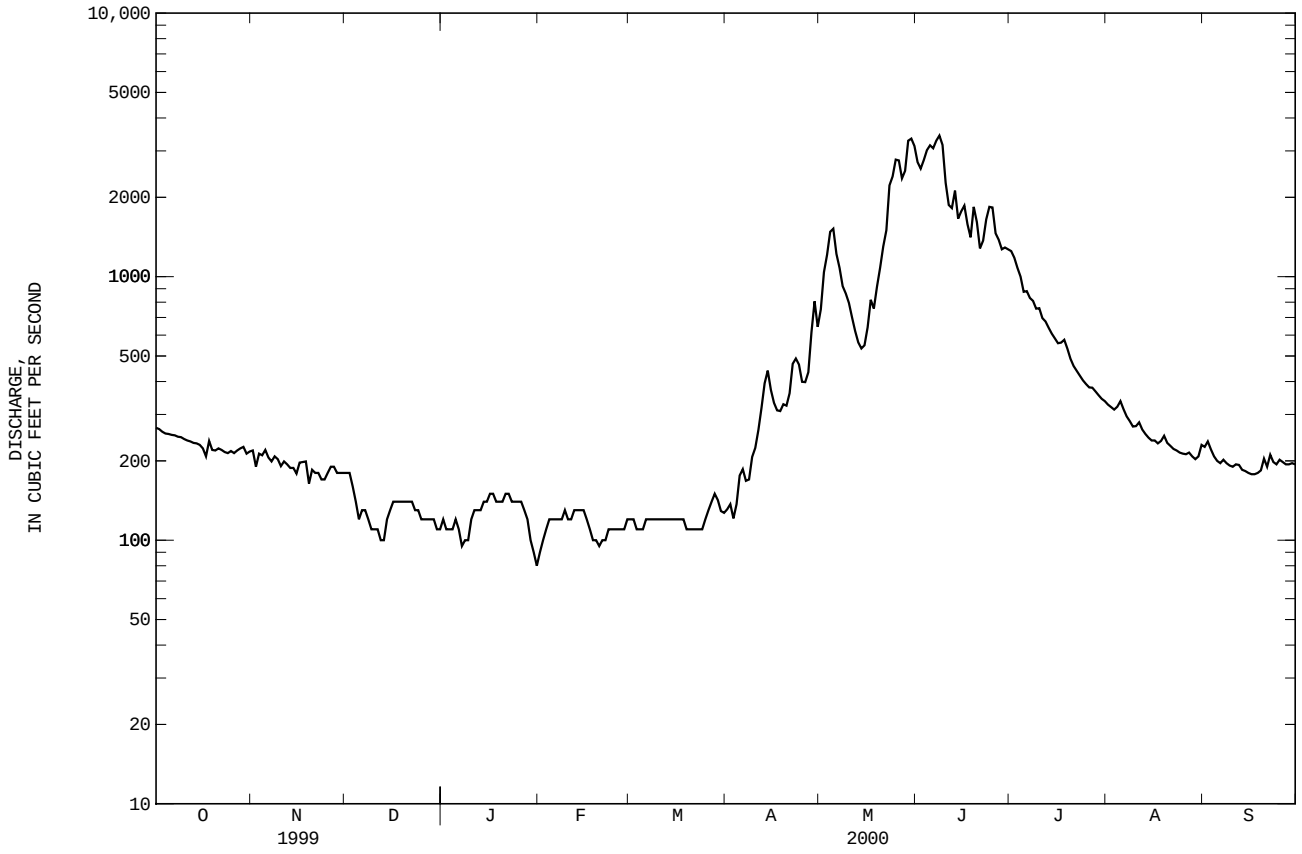
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2000, BY WATER YEAR (WY)

MEAN	217	173	140	122	118	127	220	1027	2342	1386	428	263
MAX	304	229	180	145	191	175	367	1768	4533	3056	946	428
(WY)	1973	1984	1985	1994	1984	1984	1987	1969	1997	1975	1982	1982
MIN	128	122	99.5	87.3	93.1	98.5	124	397	1049	230	163	135
(WY)	1988	1988	1980	1989	1969	1995	1967	1975	1992	1977	1977	1994

13011900 BUFFALO FORK ABOVE LAVA CREEK, NEAR MORAN, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1966 - 2000	
ANNUAL TOTAL	248808		178672		--	
ANNUAL MEAN	682		488		548	
HIGHEST DAILY MEAN	--		--		890	1997
LOWEST ANNUAL MEAN	--		--		286	1977
HIGHEST DAILY MEAN	4870	Jun 22	3430	Jun 8	5880	Jun 9 1981
LOWEST DAILY MEAN	100	Jan 25	80	Jan 31	73	Jan 25 1989
ANNUAL SEVEN-DAY MINIMUM	110	Dec 8	99	Jan 28	81	Jan 23 1989
ANNUAL RUNOFF (AC-FT)	493500		354400		397000	
10 PERCENT EXCEEDS	2340		1390		1670	
50 PERCENT EXCEEDS	223		208		195	
90 PERCENT EXCEEDS	120		110		112	

e Estimated.



13013650 SNAKE RIVER AT MOOSE, WY

LOCATION.--Lat 43°39'14", long 110°42'52", in NW¼ NW¼ NE¼ sec.36, T.43 N., R.116 W., Teton County, Hydrologic Unit 17040101, Grand Teton National Park, on right bank at downstream side of bridge on Teton Park Road, 0.2 miles east of Grand Teton National Park Headquarters visitor Center at Moose, and 0.3 miles west of U.S. Highway 191.

DRAINAGE AREA.--1,677 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1995 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,431.12 ft above sea level, by survey.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Data collection platform with satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e2700	1200	1090	e960	942	955	1020	4010	11100	4520	2660	2210
2	e2500	1160	1080	978	925	952	1030	4050	10800	4450	2600	2210
3	e2350	1160	1050	954	945	937	1020	4250	10900	4340	2610	2150
4	e2250	1190	1010	962	933	934	1070	4940	11200	4200	2670	2090
5	e2150	1180	1010	e960	935	945	1190	5370	11400	4010	2740	2080
6	2050	1170	1030	e940	928	984	1190	5170	11300	3940	2680	2080
7	1760	1170	1050	e940	927	986	1150	5070	10600	3850	2560	2080
8	1560	1170	e1050	e940	923	979	1190	4810	10600	3790	2490	2090
9	1400	1170	e1040	952	939	975	1300	4800	10100	3730	2460	2060
10	1270	1160	e1030	954	939	980	1340	4860	8960	3710	2440	2050
11	1240	1150	e1030	940	932	974	1380	4880	8080	3590	2440	2070
12	1230	1150	e1020	900	935	946	1400	5050	8130	3530	2400	2050
13	1180	1130	1020	908	937	951	1590	4910	7970	3450	2370	1990
14	1180	1130	971	939	956	984	1900	4850	6850	3400	2330	1990
15	1190	1110	954	961	922	986	1720	4920	6620	3350	2330	1990
16	1180	1110	960	979	922	956	1620	5190	6690	3310	2340	1980
17	1160	1130	958	985	940	979	1620	5560	6770	3330	2410	1980
18	1180	1140	970	975	943	971	1690	5610	6480	3370	2430	2000
19	1190	1110	954	968	932	980	1750	5830	6720	3310	2460	2010
20	1180	1110	944	959	922	941	1830	6180	6650	3260	2450	2030
21	1190	1130	941	959	935	928	2040	6560	5910	3180	2410	2060
22	1190	1120	937	953	958	940	2490	6850	5540	3120	2390	2140
23	1200	1030	e880	948	959	974	2740	7910	5580	3050	2430	2100
24	1190	1030	e870	952	958	975	2630	8160	5770	2980	2380	2070
25	1200	1080	e940	951	960	967	2430	9110	5810	2940	2330	2070
26	1190	1170	e960	952	931	1010	2420	10100	5370	2920	2340	2080
27	1190	1140	e960	946	946	1030	2850	10400	5040	2900	2330	2070
28	1220	1110	e960	915	963	1060	3560	10300	4800	2840	2270	2050
29	1220	1100	e960	890	961	1050	4200	11000	4640	2780	2210	2040
30	1190	1090	e960	893	---	1000	3850	11800	4580	2740	2230	2010
31	1190	---	e960	906	---	1010	---	11600	---	2730	2240	---
TOTAL	45070	34000	30549	29319	27248	30239	57210	204100	230960	106620	75430	61880
MEAN	1454	1133	985	946	940	975	1907	6584	7699	3439	2433	2063
MAX	2700	1200	1090	985	963	1060	4200	11800	11400	4520	2740	2210
MIN	1160	1030	870	890	922	928	1020	4010	4580	2730	2210	1980
AC-FT	89400	67440	60590	58150	54050	59980	113500	404800	458100	211500	149600	122700

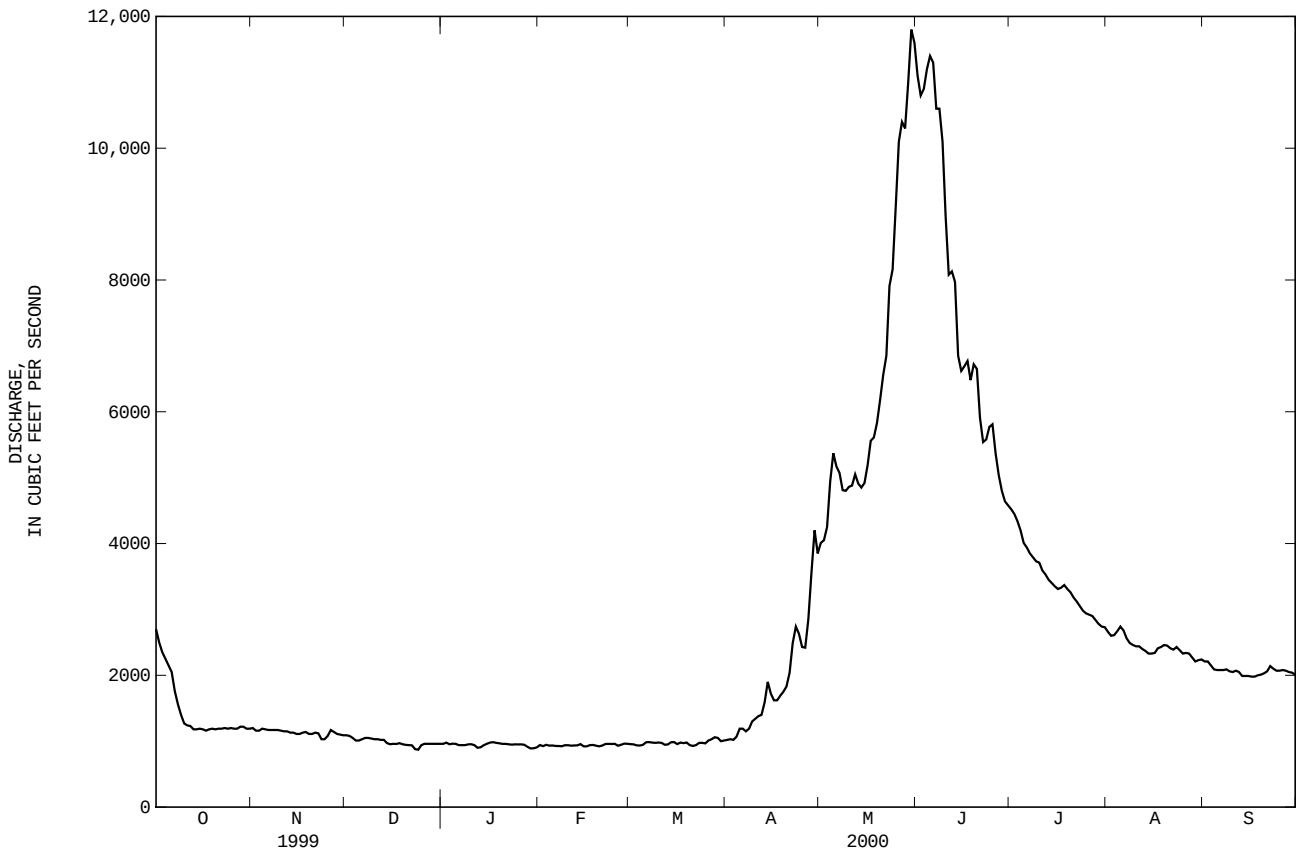
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2000, BY WATER YEAR (WY)

MEAN	1617	1181	1092	1166	1300	1734	2934	6422	12290	6482	3972	3567
MAX	2124	1382	1315	1615	2083	3205	4600	8620	18150	7574	4859	5089
(WY)	1998	1998	1998	1997	1997	1997	1997	1997	1997	1997	1997	1998
MIN	1342	1067	934	925	940	975	1522	2531	7699	3439	2433	2063
(WY)	1996	1996	1999	1999	2000	2000	1998	1995	2000	2000	2000	2000

13013650 SNAKE RIVER AT MOOSE, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1995 - 2000	
ANNUAL TOTAL	1319434		932625		--	
ANNUAL MEAN	3615		2548		3757	
HIGHEST ANNUAL MEAN	--		--		4874	1997
LOWEST ANNUAL MEAN	--		--		2548	2000
HIGHEST DAILY MEAN	15800	Jun 22	11800	May 30	24500	Jun 11 1997
LOWEST DAILY MEAN	822	Jan 30	870	Dec 24	822	Jan 30 1999
ANNUAL SEVEN-DAY MINIMUM	884	Jan 25	917	Jan 28	884	Jan 25 1999
INSTANTANEOUS PEAK FLOW	--		12400	May 30	25300	Jun 11 1997
INSTANTANEOUS PEAK STAGE	--		12.64	May 30	15.25	Jun 11 1997
ANNUAL RUNOFF (AC-FT)	2617000		1850000		2722000	
10 PERCENT EXCEEDS	8580		5660		8920	
50 PERCENT EXCEEDS	2670		1320		2400	
90 PERCENT EXCEEDS	960		940		1010	

e Estimated.



13013650 SNAKE RIVER AT MOOSE, WY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT												
26...	1200	1180	610	114	11.2	8.4	192	12.0	6.5	87	25.6	5.58
DEC												
15...	1230	950	608	101	11.8	8.2	193	1.5	.0	81	23.8	5.09
FEB												
23...	1100	960	600	103	11.2	8.1	200	1.0	2.0	81	23.9	5.26
APR												
20...	1530	1870	610	103	10.0	8.2	197	13.0	7.0	83	24.4	5.35
JUN												
20...	1650	6900	605	115	9.6	8.1	134	15.0	13.0	50	14.9	3.20
AUG												
01...	1605	2660	606	105	8.0	8.5	155	34.5	17.0	56	16.6	3.54

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT												
26...	1.8	.4	7.7	87	--	4.0	.5	16.9	9.8	E.10	<.020	<.050
DEC												
15...	1.7	.4	7.8	88	--	4.0	.5	15.8	10.2	.17	<.020	<.050
FEB												
23...	1.8	.4	8.0	88	--	3.8	.6	15.7	10.5	E.10	<.020	<.050
APR												
20...	1.7	.3	7.0	90	--	2.8	.4	14.2	9.4	.17	<.020	<.050
JUN												
20...	1.5	.4	6.1	57	--	3.4	.5	13.9	6.4	.14	<.020	<.050
AUG												
01...	1.7	.5	7.8	--	63	3.9	.6	13.8	7.8	.14	<.020	<.050

DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT												
26...	<.010	<.050	1.4	.2	.17	389	122	124	10	E1	4	13
DEC												
15...	.010	<.050	1.1	.2	.17	315	123	122	<10	E2	4	10
FEB												
23...	.010	<.050	1.3	.2	.18	334	129	122	E10	3	5	13
APR												
20...	<.010	E.035	1.9	.4	.17	621	123	117	E10	5	30	151
JUN												
20...	<.010	E.043	1.8	.3	.12	1700	91	84	E10	3	31	578
AUG												
01...	<.010	E.035	1.4	.2	.13	711	99	94	<10	<2	5	36

E Estimated.

13013650 SNAKE RIVER AT MOOSE, WY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)
DEC											
15...	1230	950	1.5	.0	<.003	<.002	<.002	<.002	<.001	<.002	<.002
JUN											
20...	1650	6900	15.0	13.0	<.003	<.002	<.002	<.002	<.001	<.002	<.002

DATE	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
DEC											
15...	<.003	<.003	<.004	<.004	<.002	<.002	95	<.002	<.001	<.017	<.002
JUN											
20...	<.003	<.003	<.004	<.004	<.002	<.002	89	<.002	<.001	<.017	<.002

DATE	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
DEC											
15...	<.004	<.003	<.003	93	<.004	<.002	<.005	<.001	<.006	<.002	<.004
JUN											
20...	<.004	<.003	<.003	83	<.004	<.002	<.005	<.001	<.006	<.002	<.004

DATE	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)
DEC										
15...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003
JUN										
20...	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003

DATE	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
DEC										
15...	<.007	<.004	--	<.005	E.004	<.007	<.013	<.002	<.001	<.002
JUN										
20...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002

E Estimated.

13015000 GROS VENTRE RIVER AT ZENITH, WY

LOCATION.--Lat 43°33'00", long 110°47'00", in $SW^1/_4NW^1/_4SW^1/_4$ sec.34., T.42 N., R.116 W., Teton County, Wyoming, Hydrologic Unit 17040102, on left bank, 20 ft upstream from county road bridge, 0.5 mi southwest of Jackson Hole Country Club, and 5.5 mi north of Jackson, Wyoming.

DRAINAGE AREA.--683 mi^2.

PERIOD OF RECORD.--July to September 1917, July to September 1918 (monthly discharge only, published in WSP 1317), October 1987 to current year (no winter records).

GAGE.--Water-stage recorder. Elevation of gage is 6,260 ft above sea level, from topographic map.

REMARKS.--Records fair. Station equipment includes satellite telemetry. Diversions of about 300 ft^3/s for irrigation above station. No regulation. Station operated and record provided by the Idaho District.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 18, 1927, when landslide about 12 mi upstream washed out, released about 60,000 acre-ft of impounded water (discharge not determined).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	76	624	1350	138	e26	e10
2	---	---	---	---	---	---	77	856	1110	114	28	e15
3	---	---	---	---	---	---	78	1100	1060	87	26	e10
4	---	---	---	---	---	---	79	1290	1120	85	25	e5.0
5	---	---	---	---	---	---	91	1230	1180	73	26	e3.0
6	---	---	---	---	---	---	103	980	1170	45	28	e4.0
7	---	---	---	---	---	---	110	906	1140	34	27	e7.0
8	---	---	---	---	---	---	108	844	1150	e30	25	e5.0
9	---	---	---	---	---	---	110	725	1090	e28	e22	e4.0
10	---	---	---	---	---	---	122	672	982	e26	e20	e4.0
11	---	---	---	---	---	---	140	548	782	e24	e20	e7.0
12	---	---	---	---	---	---	173	450	664	e22	e18	e6.0
13	---	---	---	---	---	---	223	381	703	e19	e16	e5.0
14	---	---	---	---	---	---	287	342	761	e17	e15	e4.0
15	---	---	---	---	---	---	278	330	641	e15	e15	e3.5
16	---	---	---	---	---	---	246	348	596	e14	e14	e3.0
17	---	---	---	---	---	---	215	390	500	e16	e13	e2.5
18	---	---	---	---	---	---	208	416	390	e18	e13	e2.0
19	---	---	---	---	---	---	225	441	376	e20	e14	e3.0
20	---	---	---	---	---	---	229	549	448	e19	e13	e5.0
21	---	---	---	---	---	---	246	709	408	e22	e12	e8.0
22	---	---	---	---	---	---	302	867	350	e24	e10	e15
23	---	---	---	---	---	---	379	1160	326	e28	e9.0	e14
24	---	---	---	---	---	---	336	1500	320	e32	e7.0	e13
25	---	---	---	---	---	---	293	1760	226	44	e6.0	e12
26	---	---	---	---	---	---	261	1840	170	42	e5.0	e12
27	---	---	---	---	---	---	278	1810	150	39	e5.0	e11
28	---	---	---	---	---	---	410	1670	136	35	e3.5	e11
29	---	---	---	---	---	---	616	1820	175	34	e3.0	e11
30	---	---	---	---	---	---	626	1930	150	e32	e5.0	e10
31	---	---	---	---	---	---	---	1670	---	e30	e11	---
TOTAL	---	---	---	---	---	---	6925	30158	19624	1206	480.5	225.0
MEAN	---	---	---	---	---	---	231	973	654	38.9	15.5	7.50
MAX	---	---	---	---	---	---	626	1930	1350	138	28	15
MIN	---	---	---	---	---	---	76	330	136	14	3.0	2.0
AC-FT	---	---	---	---	---	---	13740	59820	38920	2390	953	446

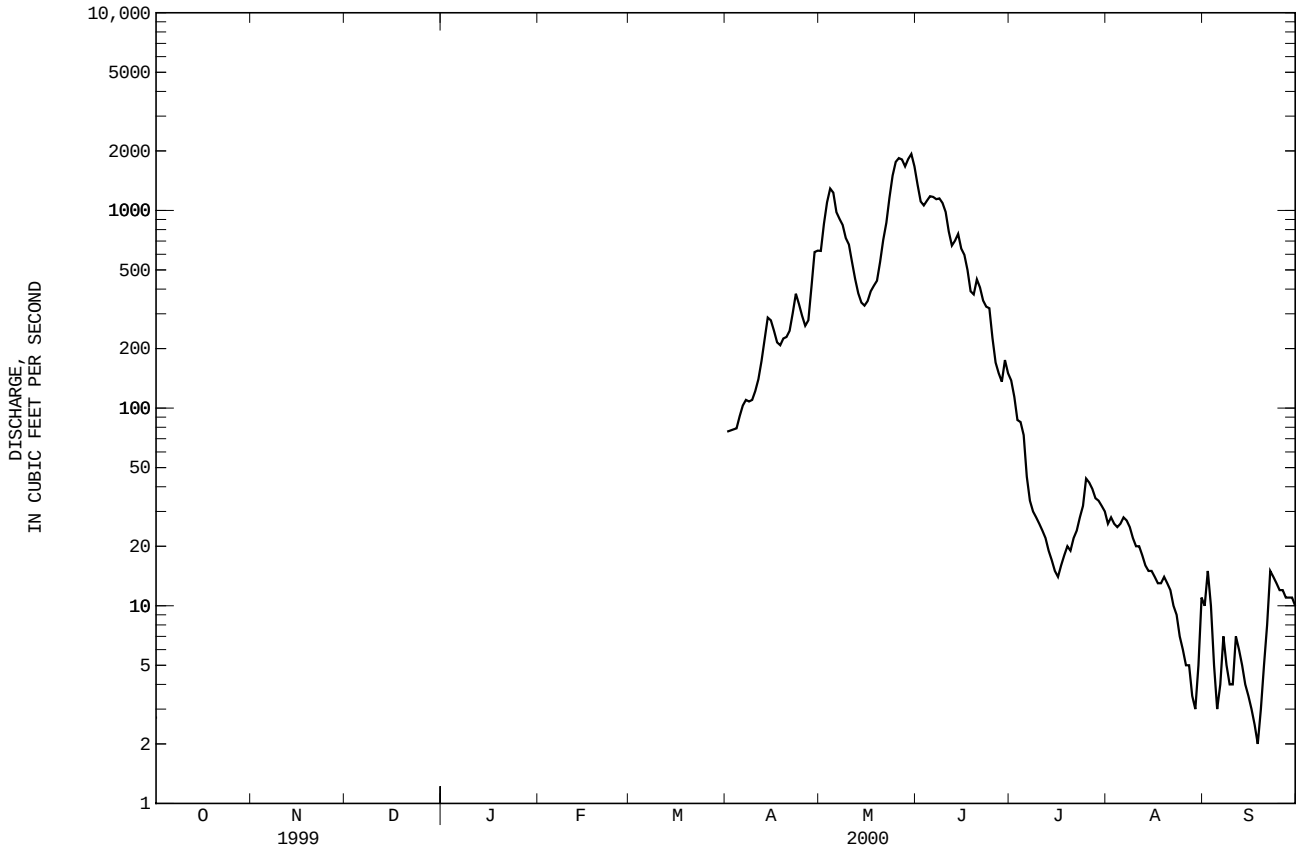
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1917 - 2000, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	148	908	1317	552	167	75.8
MAX	---	---	---	---	---	---	231	2954	3189	1410	406	215
(WY)	---	---	---	---	---	---	2000	1997	1997	1995	1917	1997
MIN	---	---	---	---	---	---	41.1	293	88.3	10.5	.86	.000
(WY)	---	---	---	---	---	---	1993	1995	1992	1994	1994	1994

13015000 GROS VENTRE RIVER AT ZENITH, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1917 - 2000*	
HIGHEST DAILY MEAN	1930	May 30	6170	Jun 6 1997
LOWEST DAILY MEAN	2.0[e]	Sep 18	.00	Many days, some years
INSTANTANEOUS PEAK FLOW	--		--	
INSTANTANEOUS PEAK STAGE	--		22.77	Jun 10 1996

* During period of operation.
e Estimated.



13016305 GRANITE CREEK ABOVE GRANITE CREEK SUPPLEMENTAL, NEAR MOOSE, WY

LOCATION.--Lat 43°36'14", long 110°48'17", in $SW^1/_4$ $SE^1/_4$ $NE^1/_4$ sec.18, T.42 N., R.116 W., Teton County, Hydrologic Unit 17040103, Grand Teton National Park, on right bank 0.7 mi upstream from Granite Creek Supplemental, and 5.7 mi southwest of Moose.

DRAINAGE AREA.--14.9 mi^2.

PERIOD OF RECORD.--June 1995 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,400 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. No diversions upstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e13	8.2	6.7	e6.9	e4.0	4.5	e5.2	43	186	92	20	10
2	e13	e7.8	6.7	e6.5	e4.5	4.5	5.1	54	188	85	20	10
3	e12	e7.9	e6.8	e6.1	e5.2	e4.5	e5.4	65	203	78	20	9.7
4	e12	7.8	e6.6	6.0	e4.8	e4.5	5.5	78	223	71	19	9.3
5	e12	7.7	e6.4	5.8	e5.4	4.6	6.6	75	234	66	e24	9.1
6	e11	7.7	e6.5	6.0	e5.1	4.7	7.2	59	247	60	e22	9.3
7	e11	7.6	e6.3	5.8	5.0	4.6	6.9	e52	249	56	e21	9.1
8	10	7.6	6.2	e5.6	5.0	e4.6	7.6	e47	237	53	e19	8.8
9	10	7.6	e6.4	e5.4	5.1	4.6	8.1	e43	219	51	e18	8.8
10	10	7.4	e6.4	5.2	5.0	4.6	8.6	e39	182	49	e17	8.6
11	10	7.4	e6.4	5.5	4.9	4.7	9.8	e35	151	46	e16	8.8
12	9.8	7.3	6.5	e5.6	5.0	e4.8	12	e33	159	44	e16	8.5
13	9.8	6.9	6.7	e5.8	4.9	e4.7	15	e30	207	43	e15	7.9
14	9.8	e6.9	6.5	e5.6	e5.0	4.7	17	e33	181	41	e14	7.5
15	9.7	e6.5	6.9	e5.8	4.8	4.7	15	e31	185	39	e14	7.5
16	9.6	e6.6	6.8	e5.8	5.3	e4.7	14	e39	158	38	13	7.4
17	e9.2	6.6	6.6	e5.5	5.2	4.8	14	e59	123	37	13	7.5
18	9.3	6.6	6.7	e5.6	4.9	e5.0	14	e42	121	36	13	7.4
19	9.1	e6.4	6.6	e5.6	e4.7	5.1	15	e58	148	33	13	8.2
20	9.0	6.6	6.6	5.9	e4.6	e5.3	16	e70	125	31	13	8.0
21	8.9	e6.5	6.7	5.9	e4.8	e5.4	18	e95	114	30	12	7.9
22	8.8	e6.5	6.4	5.9	4.8	e5.2	23	e130	130	28	12	8.5
23	8.7	e6.1	e6.4	5.9	4.7	e5.1	28	e170	144	27	11	8.0
24	8.7	e6.4	e6.3	5.7	4.7	5.2	25	e220	150	26	11	7.4
25	8.6	e6.3	e6.3	5.5	e4.7	e5.0	22	e290	138	25	11	7.2
26	8.5	e6.5	6.3	5.5	e4.6	4.9	22	e260	121	24	11	7.0
27	8.5	e6.6	6.3	5.5	4.6	4.9	25	e230	111	23	10	6.8
28	e8.5	6.7	6.6	e5.2	4.6	5.3	35	e260	105	23	9.9	6.7
29	8.6	6.6	6.7	e4.5	4.5	5.2	42	e300	101	22	9.7	6.6
30	8.3	6.7	e6.5	e3.5	---	e5.2	37	e280	94	21	11	6.6
31	8.4	---	e6.7	e3.6	---	e5.4	---	e240	---	21	10	---
TOTAL	303.8	210.0	202.5	172.7	140.4	151.0	485.0	3460	4934	1319	458.6	244.1
MEAN	9.80	7.00	6.53	5.57	4.84	4.87	16.2	112	164	42.5	14.8	8.14
MAX	13	8.2	6.9	6.9	5.4	5.4	42	300	249	92	24	10
MIN	8.3	6.1	6.2	3.5	4.0	4.5	5.1	30	94	21	9.7	6.6
AC-FT	603	417	402	343	278	300	962	6860	9790	2620	910	484

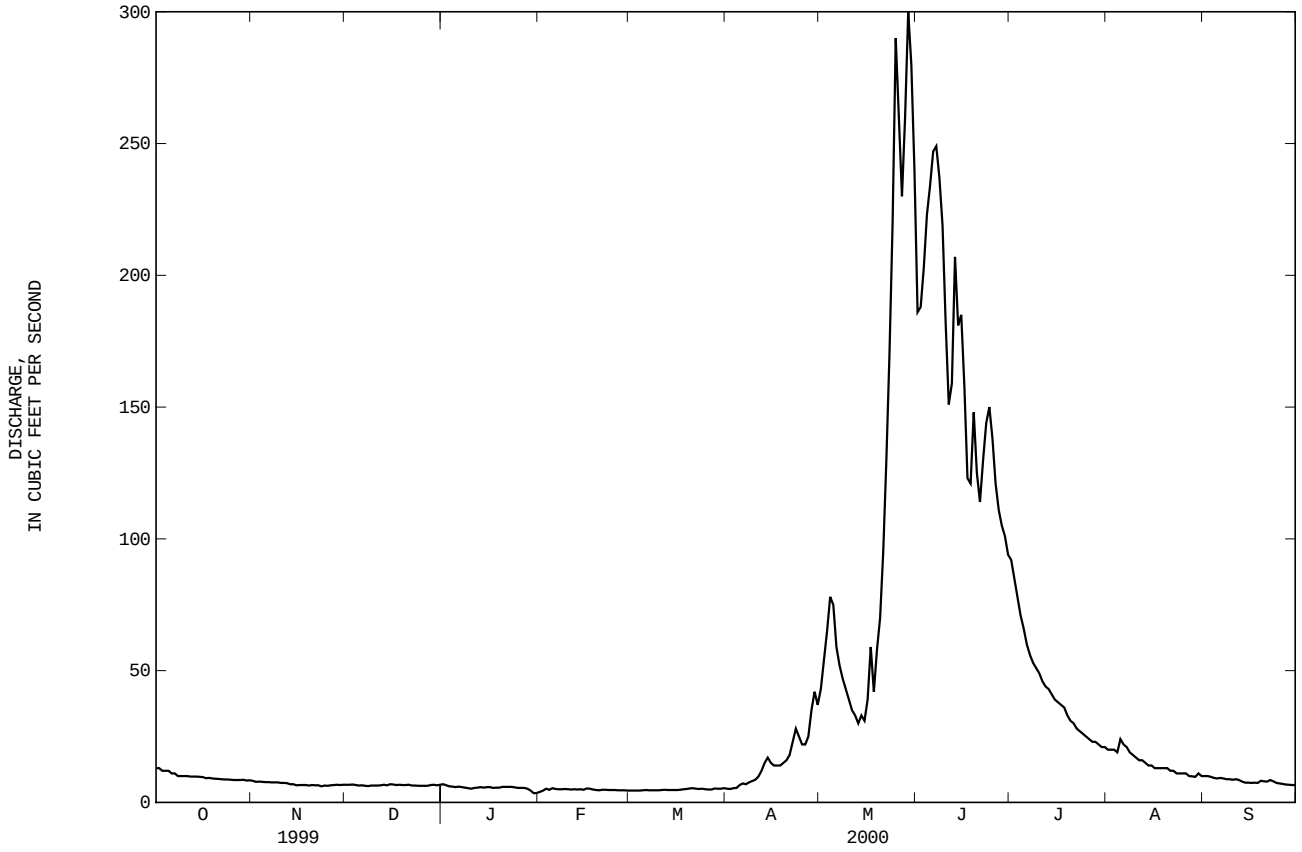
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2000, BY WATER YEAR (WY)

MEAN	10.7	9.11	7.12	6.02	5.16	5.19	10.8	90.3	213	137	32.7	14.7
MAX	16.0	14.5	8.73	8.10	6.32	6.12	16.2	149	349	184	48.7	22.5
(WY)	1998	1998	1998	1998	1999	1999	2000	1997	1997	1998	1997	1997
MIN	8.54	7.00	4.97	2.34	3.44	3.46	8.54	52.2	119	42.5	14.8	8.14
(WY)	1997	2000	1996	1996	1996	1996	1999	1999	1999	2000	2000	2000

13016305 GRANITE CREEK ABOVE GRANITE CREEK SUPPLEMENTAL, NEAR MOOSE, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1995 - 2000*	
ANNUAL TOTAL	12413.1		12081.1		--	
ANNUAL MEAN	34.0		33.0		44.5	
HIGHEST ANNUAL MEAN	--		--		63.2	1997
LOWEST ANNUAL MEAN	--		--		33.0	2000
HIGHEST DAILY MEAN	200	Jul 4	300	May 29	490	Jun 9 1997
LOWEST DAILY MEAN	5.2	Apr 12	3.5	Jan 30	1.2	Jan 9 1996
ANNUAL SEVEN-DAY MINIMUM	5.4	Apr 7	4.3	Jan 29	1.3	Jan 5 1996
INSTANTANEOUS PEAK FLOW	--		321	May 29	518	Jun 9 1997
INSTANTANEOUS PEAK STAGE	--		5.47[a]	May 29	6.58	Jun 9 1997
ANNUAL RUNOFF (AC-FT)	24620		23960		32220	
10 PERCENT EXCEEDS	130		112		165	
50 PERCENT EXCEEDS	9.2		8.5		11	
90 PERCENT EXCEEDS	6.1		4.9		5.1	

* During period of operation.
a From floodmarks.
e Estimated.



13016450 FISH CREEK AT WILSON, WY

LOCATION.--Lat 43°30'03", long 110°52'15", in $NW^1/_4$ $NW^1/_4$ $SE^1/_4$ sec.22, T.41 N., R.117 W., Teton County, Hydrologic Unit 17040103, on left bank 20 ft downstream from bridge on Fish Creek Road (County Road 3) in Wilson.

DRAINAGE AREA.--71.1 mi^2.

PERIOD OF RECORD.--March 1994 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,150 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Natural flow of stream affected by transbasin diversion from Snake River through Granite Creek Supplemental for irrigation in Fish Creek Basin and by additional diversions upstream from station within Fish Creek Basin. See station 13016305.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	132	52	48	44	e38	37	48	80	587	413	251	346
2	129	53	47	44	39	37	48	93	553	437	276	422
3	127	53	47	43	40	37	48	112	533	440	291	391
4	123	53	45	43	39	38	53	116	565	445	313	362
5	110	53	45	43	39	39	67	157	597	447	333	343
6	101	e53	45	42	37	40	70	169	609	438	335	333
7	95	e54	45	41	37	40	67	185	635	422	331	323
8	91	e53	44	41	37	40	68	188	674	406	321	268
9	87	e53	44	41	37	39	69	184	669	402	316	217
10	84	e52	44	41	37	39	72	183	624	409	315	217
11	80	e52	44	41	37	38	76	181	558	403	309	213
12	79	e53	44	41	37	38	77	181	498	379	302	211
13	75	e52	44	41	37	38	78	180	601	356	302	209
14	73	e52	42	41	37	38	78	174	619	341	296	194
15	70	e51	41	41	38	39	74	171	577	334	290	180
16	68	e51	41	40	38	39	72	168	492	332	290	184
17	67	e51	41	40	38	39	69	173	427	344	295	197
18	66	e51	41	40	38	39	69	177	392	344	304	206
19	66	e51	41	40	38	39	68	182	401	337	297	211
20	65	e51	40	39	38	40	67	196	424	329	293	215
21	64	e49	40	39	38	40	66	209	398	311	288	235
22	63	e51	41	39	38	39	66	254	378	297	284	282
23	62	e49	41	39	38	39	66	319	381	285	279	278
24	62	e49	41	39	38	39	66	394	395	279	275	298
25	62	e49	40	39	37	39	64	463	409	274	279	278
26	60	e48	42	39	37	40	64	527	397	267	283	266
27	60	e49	43	38	37	42	65	559	367	273	282	258
28	59	e48	44	38	37	45	66	554	339	268	276	248
29	58	e48	44	38	37	46	67	600	311	263	270	240
30	56	49	44	38	---	46	74	618	350	259	285	234
31	55	---	43	e38	---	46	---	614	---	253	288	---
TOTAL	2449	1533	1336	1251	1093	1234	2002	8361	14760	10787	9149	7859
MEAN	79.0	51.1	43.1	40.4	37.7	39.8	66.7	270	492	348	295	262
MAX	132	54	48	44	40	46	78	618	674	447	335	422
MIN	55	48	40	38	37	37	48	80	311	253	251	180
AC-FT	4860	3040	2650	2480	2170	2450	3970	16580	29280	21400	18150	15590

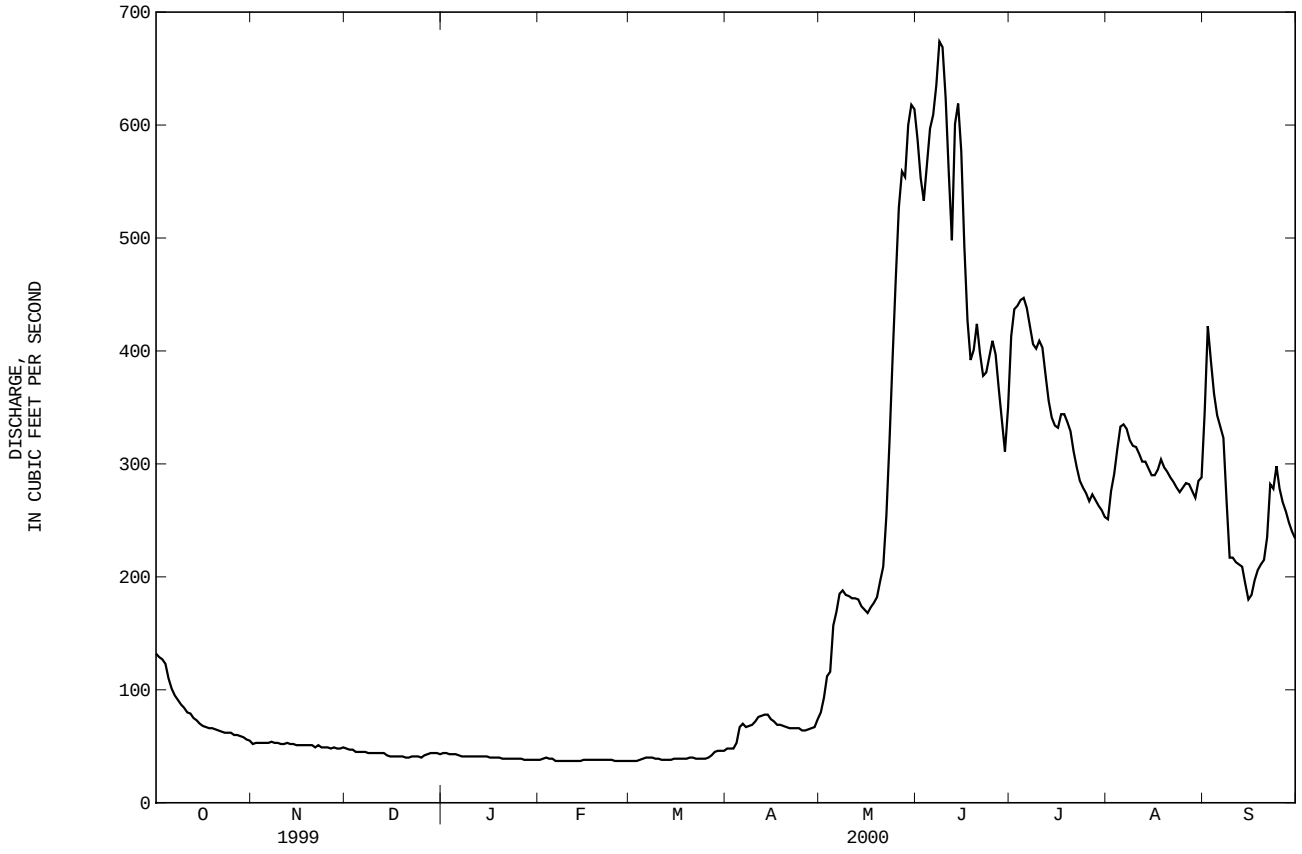
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

MEAN	89.0	54.7	46.6	43.7	41.0	45.2	77.6	235	585	449	264	197
MAX	109	59.8	57.3	57.3	45.0	51.1	102	377	962	559	329	288
(WY)	1999	1996	1996	1997	1997	1997	1997	1997	1997	1999	1998	1998
MIN	69.7	48.3	40.1	38.8	37.7	39.8	66.7	139	351	280	224	137
(WY)	1995	1995	1999	1995	2000	2000	2000	1995	1994	1994	1996	1994

13016450 FISH CREEK AT WILSON, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1994 - 2000	
ANNUAL TOTAL	66951		61814		--	
ANNUAL MEAN	183		169		184	
HIGHEST ANNUAL MEAN	--		--		222	1997
LOWEST ANNUAL MEAN	--		--		161	1995
HIGHEST DAILY MEAN	1000	Jun 22	674	Jun 8	1350	Jun 9,10 1997
LOWEST DAILY MEAN	33	Jan 5	37	Feb 6-14, Feb 25-Mar 3	33	Jan 5 1999
ANNUAL SEVEN-DAY MINIMUM	34	Jan 3	37	Feb 6	34	Jan 3 1999
INSTANTANEOUS PEAK FLOW	--		697	Jun 8	1430	Jun 8 1997
INSTANTANEOUS PEAK STAGE	--		3.72	Jun 8	5.41	Jun 8 1997
ANNUAL RUNOFF (AC-FT)	132800		122600		133400	
10 PERCENT EXCEEDS	543		404		457	
50 PERCENT EXCEEDS	68		68		84	
90 PERCENT EXCEEDS	38		38		40	

e Estimated.



13018300 CACHE CREEK NEAR JACKSON, WY
(Hydrologic Benchmark station)

LOCATION.--Lat 43°27'08", long 110°42'12", in $SW^1/_4$ $SW^1/_4$ $SE^1/_4$ sec.1, T.40 N., R.116 W., Teton County, Hydrologic Unit 17040103, Teton National Forest, on right bank 0.7 mi upstream from Salt Lick Draw, 2.4 mi southeast of Jackson, and 4.0 mi upstream from mouth.

DRAINAGE AREA.--10.6 mi^2.

PERIOD OF RECORD.--June 1962 to current year.

REVISED RECORDS.--WDR WY-76-2: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,750 ft above sea level, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Data collection platform with satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 52 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 29	1745	*40	* 3.31

No peak greater than base discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	7.1	7.1	e5.5	e5.1	5.2	e4.7	11	36	18	8.8	e7.2
2	9.3	6.9	7.1	e5.4	e5.5	5.2	5.0	13	34	18	8.8	e7.4
3	9.0	7.1	7.1	e5.3	e5.4	e5.2	e4.9	14	33	17	9.0	e7.2
4	8.8	7.1	e6.8	e5.4	e5.2	5.3	4.9	16	33	16	9.5	e7.2
5	8.6	7.1	e6.6	e5.7	e5.0	5.2	5.0	16	33	15	9.2	e7.0
6	8.3	7.1	e6.7	5.6	5.0	5.1	5.0	16	33	14	8.6	e7.2
7	8.0	7.1	e6.8	5.4	5.0	5.0	5.0	17	33	14	8.2	e7.1
8	7.7	7.1	6.8	5.4	5.0	5.0	5.1	17	33	14	8.0	e7.0
9	7.6	7.1	e6.8	5.4	5.2	5.0	5.2	16	33	13	7.6	e7.0
10	7.6	7.1	e6.7	5.4	5.2	5.0	5.4	17	31	13	7.6	e7.0
11	7.4	7.1	6.7	5.3	5.2	5.0	5.9	16	30	13	7.6	e7.1
12	7.1	7.1	6.8	5.3	5.2	e4.9	6.3	16	28	12	7.5	e6.8
13	7.1	7.1	6.8	5.4	5.2	4.8	6.8	16	29	12	7.3	e6.6
14	7.1	7.1	6.5	5.4	5.2	4.8	6.8	15	28	12	7.3	e6.5
15	7.1	7.1	6.6	5.4	5.2	4.8	6.8	16	28	12	7.2	e6.5
16	7.1	7.1	6.6	5.4	5.2	e4.9	6.7	17	27	11	7.1	e6.4
17	6.9	7.1	6.6	5.4	5.2	4.8	6.9	18	27	11	7.2	e6.2
18	7.1	7.1	6.7	5.8	5.2	e4.8	7.4	18	26	11	7.3	e6.5
19	6.9	7.0	6.8	6.1	e5.0	4.8	7.6	19	25	11	7.3	e6.7
20	6.8	e7.1	6.8	6.1	e4.8	5.1	7.6	22	24	11	7.3	e7.1
21	6.8	7.0	6.8	6.1	e4.7	e5.2	7.9	23	23	11	7.3	e7.0
22	6.8	e7.2	6.8	6.1	e5.1	e5.2	8.8	26	22	10	7.1	e7.2
23	6.8	e7.0	e6.6	6.1	e5.3	e5.1	9.1	32	22	10	7.1	e7.5
24	6.8	e6.8	e6.1	6.1	5.5	5.0	8.9	35	22	9.8	e7.0	e7.2
25	6.8	e7.1	5.8	6.1	5.4	e5.1	8.5	38	21	9.8	e7.0	e6.9
26	6.8	e7.4	5.7	6.3	e5.3	5.0	8.8	39	20	9.8	e6.8	e6.4
27	6.8	e7.5	e5.5	6.3	5.2	4.9	9.9	37	20	9.8	e6.8	e6.2
28	7.2	e7.4	e5.4	e6.1	5.2	4.8	12	38	19	9.8	e6.6	e6.0
29	7.6	7.4	e5.4	e5.6	5.2	4.8	12	40	19	9.6	e6.5	e6.0
30	7.2	7.1	e5.2	e4.5	---	e4.9	11	40	19	9.3	e6.6	e5.8
31	7.1	---	5.2	e4.6	---	e4.8	---	38	---	8.8	e6.7	---
TOTAL	231.7	213.6	199.9	174.0	149.9	154.7	215.9	712	811	375.7	233.9	203.9
MEAN	7.47	7.12	6.45	5.61	5.17	4.99	7.20	23.0	27.0	12.1	7.55	6.80
MAX	9.5	7.5	7.1	6.3	5.5	5.3	12	40	36	18	9.5	7.5
MIN	6.8	6.8	5.2	4.5	4.7	4.8	4.7	11	19	8.8	6.5	5.8
AC-FT	460	424	397	345	297	307	428	1410	1610	745	464	404

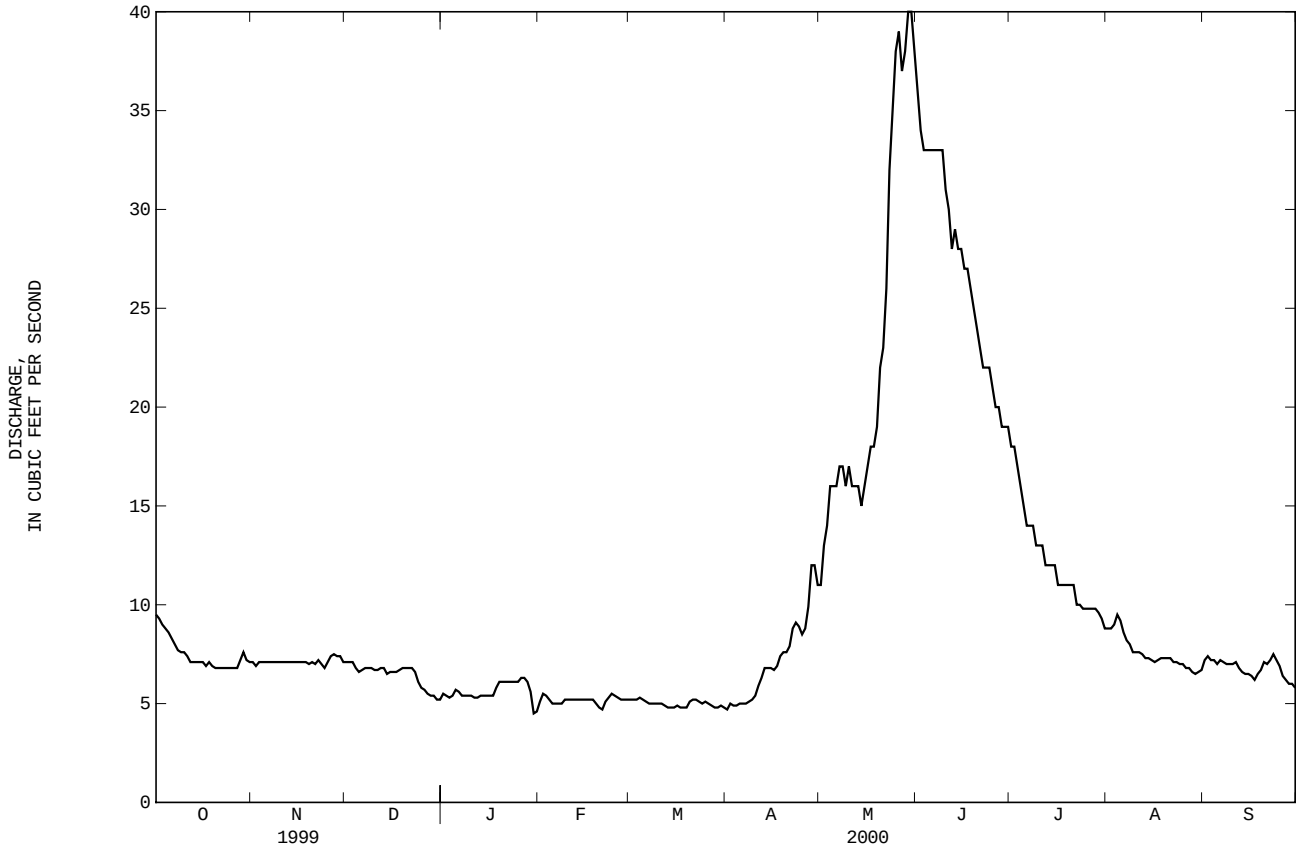
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2000, BY WATER YEAR (WY)

MEAN	6.85	5.76	5.03	4.38	4.05	4.08	6.54	26.1	50.4	24.5	12.3	8.45
MAX	9.43	7.57	6.85	5.91	6.09	7.25	14.2	52.1	103	42.0	18.5	12.3
(WY)	1972	1997	1999	1981	1984	1984	1987	1997	1971	1965	1971	1971
MIN	3.83	3.14	1.53	2.42	2.06	2.23	3.21	5.86	10.6	6.51	4.19	3.83
(WY)	1993	1978	1991	1978	1992	1991	1991	1977	1992	1977	1992	1992

13018300 CACHE CREEK NEAR JACKSON, WY--Continued
(Hydrologic Benchmark station)

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1962 - 2000	
ANNUAL TOTAL	5674.5		3676.2		--	
ANNUAL MEAN	15.5		10.0		13.2	
HIGHEST ANNUAL MEAN	--		--		20.5	1997
LOWEST ANNUAL MEAN	--		--		5.64	1992
HIGHEST DAILY MEAN	89	Jun 17	40	May 29,30	161	Jun 24 1971
LOWEST DAILY MEAN	4.8	Mar 17-19	4.5	Jan 30	1.1	Dec 23 1990
ANNUAL SEVEN-DAY MINIMUM	4.9	Mar 14	4.8	Mar 13	1.3	Dec 20 1990
INSTANTANEOUS PEAK FLOW	--		40	May 29	225[a]	Jun 24 1971
INSTANTANEOUS PEAK STAGE	--		3.31	May 29	4.30	Jun 10 1996
ANNUAL RUNOFF (AC-FT)	11260		7290		9570	
10 PERCENT EXCEEDS	44		21		33	
50 PERCENT EXCEEDS	7.2		7.1		6.6	
90 PERCENT EXCEEDS	5.4		5.1		3.7	

a Gage height, 3.90 ft.
e Estimated.



13018350 FLAT CREEK BELOW CACHE CREEK, NEAR JACKSON, WY

LOCATION.--Lat 43°27'30", long 110°47'46", in SW$^1/_4$ SE$^1/_4$ NE$^1/_4$ sec.6, T.40 N., R.116 W., Teton County, Hydrologic Unit 17040103, on left bank 8 ft upstream from county bridge on High School Road, 2.1 mi southwest of Post Office in Jackson, and 3.0 mi downstream from Cache Creek.

DRAINAGE AREA.--129 mi^2.

PERIOD OF RECORD.--April 1989 to September 1996 (no winter records), October 1999 to September 2000.

GAGE.--Water-stage recorder. Elevation of gage is 6,130 ft above sea level, from topographic map.

REMARKS.-- Records good except those for Nov. 29 to Dec. 29, which are fair, and those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	104	105	93	e93	e70	74	84	48	154	78	90	79
2	105	103	90	e92	e74	73	85	48	150	79	69	82
3	106	103	89	e87	e75	69	81	51	146	79	61	80
4	106	102	e88	e87	71	71	86	55	140	78	64	78
5	104	104	e91	e89	e70	72	95	55	136	77	66	75
6	110	101	e100	e87	69	86	82	112	134	75	65	75
7	115	99	102	e85	e73	84	76	143	137	73	63	74
8	116	99	e103	e85	e76	75	74	138	144	71	62	73
9	115	98	e100	e88	77	72	74	133	142	70	62	71
10	115	97	e100	e92	79	71	74	130	140	73	61	70
11	115	97	e102	e94	79	71	72	122	135	79	60	70
12	115	96	e103	e95	76	71	71	116	135	105	59	70
13	114	96	e105	e93	72	71	72	109	138	113	59	68
14	114	96	e98	e91	77	74	84	105	135	110	59	67
15	115	95	e97	e95	e88	81	75	103	127	108	60	66
16	116	95	e100	e98	e105	74	72	94	119	106	61	65
17	115	94	105	e96	92	74	71	94	115	111	60	67
18	115	94	105	e95	89	74	70	95	115	111	64	67
19	115	92	104	96	e89	77	69	93	117	110	65	67
20	114	95	103	92	e90	75	69	99	116	108	64	66
21	113	94	102	84	88	75	69	110	115	106	63	65
22	114	90	101	78	88	71	57	118	112	105	63	69
23	111	e90	e100	e78	89	72	53	124	104	104	63	72
24	110	89	e97	e77	83	75	51	128	100	102	63	63
25	109	94	e97	77	82	75	48	135	100	101	64	54
26	106	110	e96	73	e82	94	49	139	96	100	65	51
27	108	116	e98	74	78	108	48	134	91	95	65	48
28	112	100	e97	e72	77	113	49	130	86	92	65	48
29	112	94	e95	e69	75	102	49	132	83	91	65	63
30	109	94	e92	e66	---	87	48	147	80	91	69	79
31	103	---	e90	e66	---	84	---	154	---	90	75	---
TOTAL	3451	2932	3043	2644	2333	2445	2057	3394	3642	2891	1994	2042
MEAN	111	97.7	98.2	85.3	80.4	78.9	68.6	109	121	93.3	64.3	68.1
MAX	116	116	105	98	105	113	95	154	154	113	90	82
MIN	103	89	88	66	69	69	48	48	80	70	59	48
AC-FT	6850	5820	6040	5240	4630	4850	4080	6730	7220	5730	3960	4050

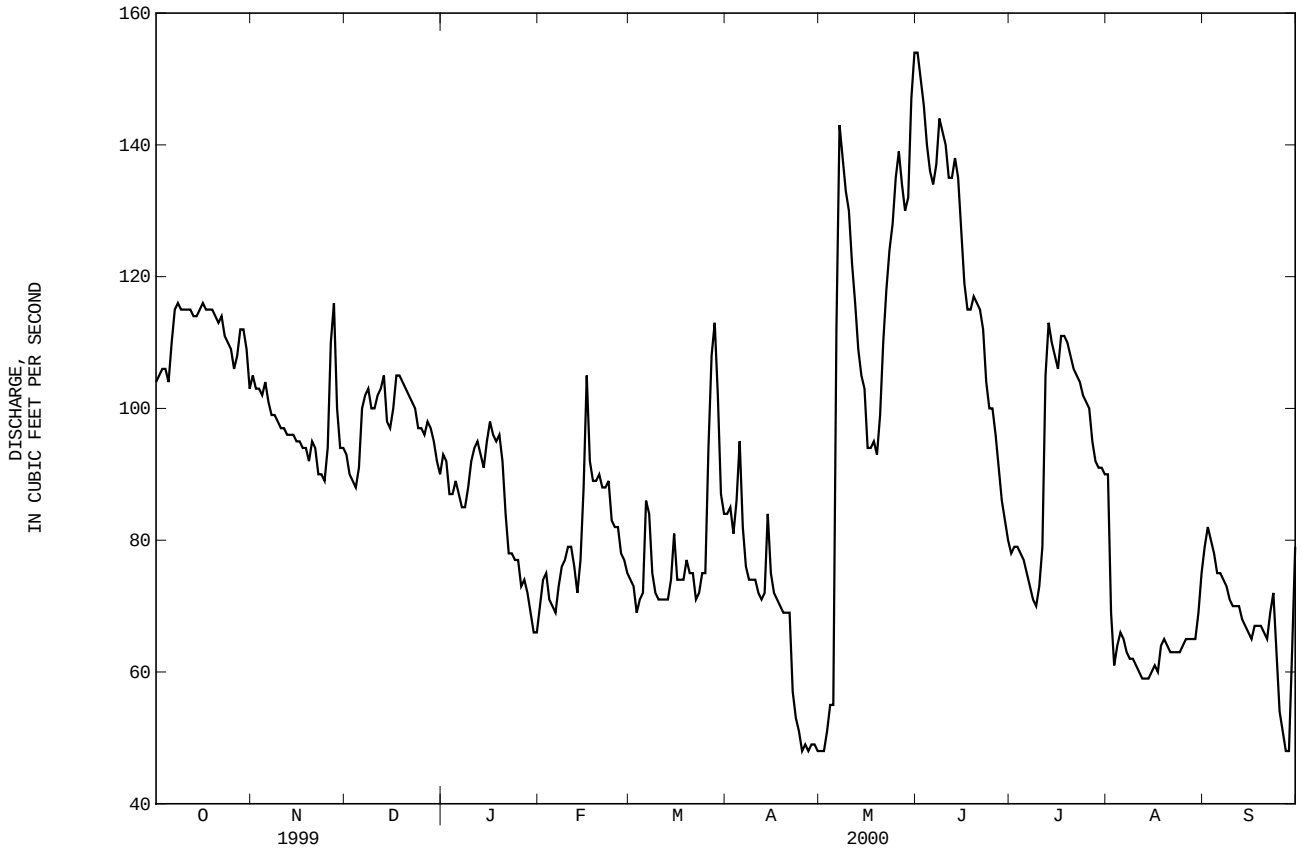
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2000, BY WATER YEAR (WY)

MEAN	111	97.7	98.2	85.3	80.4	78.9	63.0	101	136	122	89.2	60.2
MAX	111	97.7	98.2	85.3	80.4	78.9	70.1	123	218	189	162	84.2
(WY)	2000	2000	2000	2000	2000	2000	1990	1993	1996	1995	1993	1991
MIN	111	97.7	98.2	85.3	80.4	78.9	55.3	82.1	57.1	58.3	40.5	30.7
(WY)	2000	2000	2000	2000	2000	2000	1993	1989	1992	1992	1992	1992

13018350 FLAT CREEK BELOW CACHE CREEK, NEAR JACKSON, WY--Continued

SUMMARY STATISTICS	FOR 2000 WATER YEAR		WATER YEARS 1989 - 2000*	
ANNUAL TOTAL	32868		--	
ANNUAL MEAN	89.8		89.8	
HIGHEST ANNUAL MEAN	--		89.8	2000
LOWEST ANNUAL MEAN	--		89.8	2000
HIGHEST DAILY MEAN	154	May 31	256	Jul 13 1995
LOWEST DAILY MEAN	48	Several days	23	Aug 30 1990
ANNUAL SEVEN-DAY MINIMUM	48	Apr 25	24	Aug 29 1990
INSTANTANEOUS PEAK FLOW	158[a]	May 31	277	Jul 12 1995
INSTANTANEOUS PEAK STAGE	2.51[b]	Dec 25	2.95	Jul 12 1995
INSTANTANEOUS LOW FLOW	--		23	Aug 30 1990
ANNUAL RUNOFF (AC-FT)	65190		65060	
10 PERCENT EXCEEDS	116		160	
50 PERCENT EXCEEDS	90		84	
90 PERCENT EXCEEDS	64		47	

* During period of operation.
a Gage height, 2.28 ft.
b Backwater from ice.
e Estimated.



13018750 SNAKE RIVER BELOW FLAT CREEK, NEAR JACKSON, WY

LOCATION.--Lat 43°22'20", long 110°44'17", in NE$^1/_4$SE$^1/_4$ sec.3, T.39 N., R.116 W., Teton County, Wyoming, Hydrologic Unit 17040103, on left bank 20 ft upstream from county road bridge, about 1 mi downstream from Flat Creek, 4.8 mi upstream from Hoback River, 7.0 mi south of Jackson, and at mile 938.9.

DRAINAGE AREA.--2,627 mi^2.

PERIOD OF RECORD.--November 1975 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,950 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry. Station operated and record provided by the Idaho District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3550	1820	1710	e1500	e1350	1470	1620	4670	13500	5120	3150	2730
2	3560	1800	1710	1500	e1400	1460	1630	5330	12800	5060	3070	2870
3	3550	1760	e1700	1450	1450	1450	1620	6100	12600	4920	3070	2790
4	3330	1780	e1600	1480	1430	1440	1650	6990	12800	4760	3090	2730
5	2930	1800	e1500	1490	1430	1450	1890	7590	13100	4600	3120	2690
6	2720	1790	1530	1500	1420	1520	1990	7440	12800	4420	3100	2670
7	2530	1770	1560	e1500	1400	1530	1890	7180	12300	4310	3050	2670
8	2400	1760	e1500	e1400	1400	1510	1860	6710	12000	4220	2980	2630
9	2290	1770	e1400	e1400	1430	1500	1910	6390	11500	4170	2940	2540
10	2160	1750	e1400	1460	1430	1480	2000	6370	10800	4190	2940	2520
11	2070	1740	1400	1500	1440	1490	2120	6190	9940	4130	2910	2520
12	2030	1730	1490	1420	1450	1480	2290	6270	9310	3990	2870	2500
13	1980	1720	1540	e1400	1430	1450	2540	6050	9350	3910	2840	2470
14	1940	1740	1510	1430	1500	1480	2930	5880	9170	3810	2830	2440
15	1930	1710	1560	1460	1480	1510	2860	5860	8620	3730	2790	2410
16	1910	1700	1540	1520	1440	1470	2650	6000	8540	3670	2780	2400
17	e1900	1710	1550	1550	1460	1470	2540	6370	8180	3720	2750	2410
18	1860	1730	1560	1550	1450	1480	2520	6560	7750	3770	2760	2430
19	1880	1730	1540	1560	1400	1500	2560	6730	7840	3740	2750	2430
20	1870	1700	1530	1530	e1400	1470	2580	7230	8010	3700	2710	2440
21	1860	1710	1530	1510	e1400	1430	2680	7770	7240	3610	2680	2460
22	1850	e1700	1510	1490	1460	1420	2950	8310	6660	3520	2650	2580
23	1840	e1600	1470	1480	1480	1450	3290	9430	6510	3490	2630	2620
24	1840	e1500	1460	1500	1490	1470	3290	10200	6670	3410	2600	2610
25	1830	e1600	1490	1490	1490	1480	3040	11400	6700	3400	2610	2590
26	1830	1800	1490	1480	1450	1550	2990	12300	6350	3370	2630	2570
27	1820	1900	e1400	1470	1460	1680	3200	12900	5890	3370	2630	2560
28	1860	1800	e1400	e1400	1470	1750	3800	12500	5620	3320	2600	2540
29	1870	1740	e1500	e1400	1470	1760	4720	13300	5400	3270	2570	2530
30	1850	1710	e1500	e1350	---	1660	4720	14400	5180	3220	2630	2520
31	1820	---	e1400	e1300	---	1610	---	14100	---	3170	2680	---
TOTAL	68660	52070	46980	45470	41760	46870	78330	254520	273130	121090	87410	76870
MEAN	2215	1736	1515	1467	1440	1512	2611	8210	9104	3906	2820	2562
MAX	3560	1900	1710	1560	1500	1760	4720	14400	13500	5120	3150	2870
MIN	1820	1500	1400	1300	1350	1420	1620	4670	5180	3170	2570	2400
AC-FT	136200	103300	93180	90190	82830	92970	155400	504800	541800	240200	173400	152500

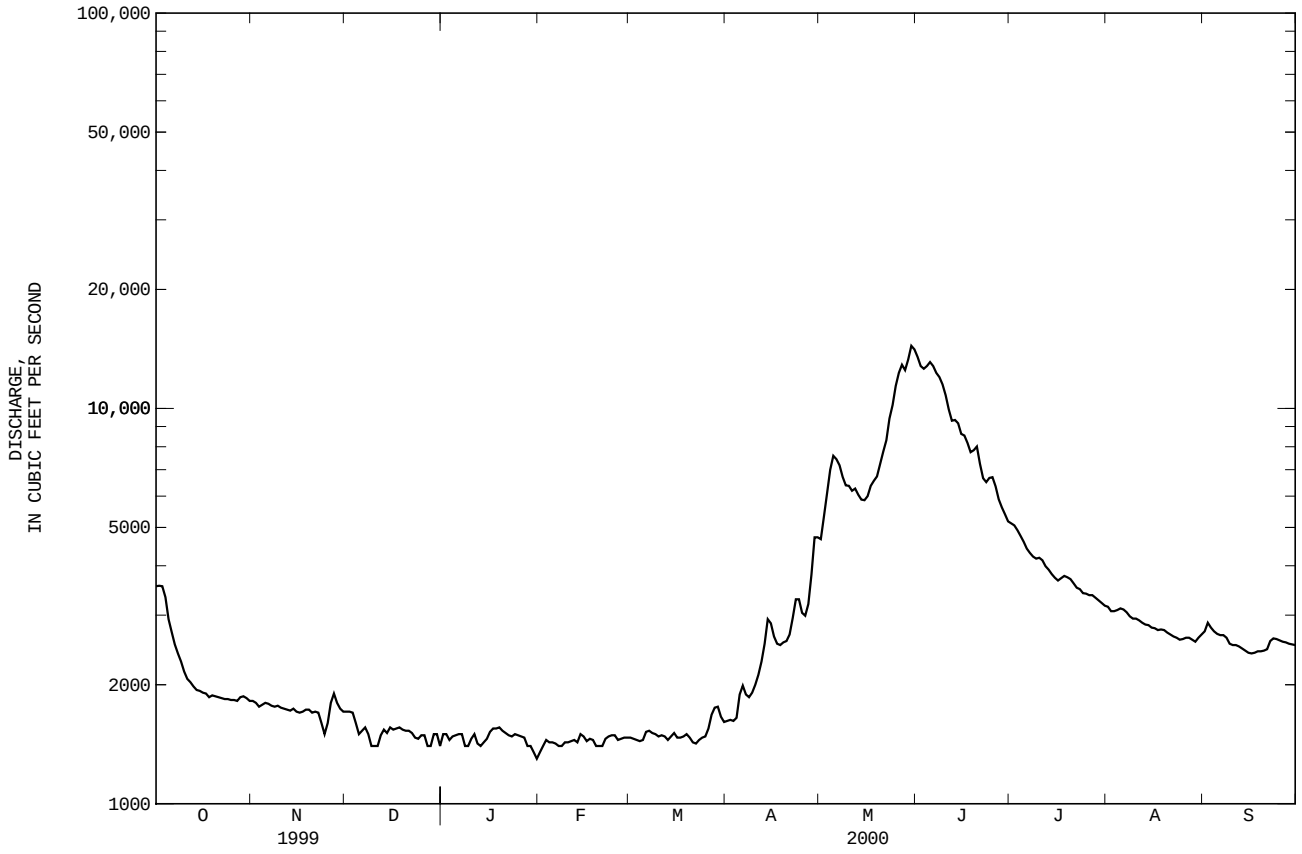
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2000, BY WATER YEAR (WY)

MEAN	1888	1575	1416	1337	1369	1639	2741	6928	11490	6878	4308	3440
MAX	3093	2747	1998	2345	2491	3686	5435	12060	22180	14090	7253	6464
(WY)	1983	1984	1984	1997	1997	1997	1985	1997	1997	1982	1976	1984
MIN	977	967	846	879	825	910	1292	2570	5356	3245	2305	1801
(WY)	1989	1988	1988	1988	1989	1977	1977	1977	1994	1988	1981	1979

13018750 SNAKE RIVER BELOW FLAT CREEK, NEAR JACKSON, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1976 - 2000	
ANNUAL TOTAL	1624550		1168340		--	
ANNUAL MEAN	4451		3192		3178	
HIGHEST ANNUAL MEAN	--		--		6110	1997
LOWEST DAILY MEAN	--		--		2469	1977
HIGHEST DAILY MEAN	20000	Jun 18	14200	May 30	30200	Jun 11 1997
LOWEST DAILY MEAN	1100	Jan 30	1300	Jan 31	690	Jan 19 1988
ANNUAL SEVEN-DAY MINIMUM	1270	Jan 27	1380	Jan 28	785	Feb 4 1989
ANNUAL RUNOFF (AC-FT)	3222000		2317000		2694000	
10 PERCENT EXCEEDS	10600		6660		8820	
50 PERCENT EXCEEDS	3210		2100		2120	
90 PERCENT EXCEEDS	1500		1450		1150	

e Estimated.



13022500 SNAKE RIVER ABOVE RESERVOIR, NEAR ALPINE, WY

LOCATION.--Lat 43°11'47", long 110°53'18", Lincoln County, Wyoming, Hydrologic Unit 17040103, on right bank 0.3 mi downstream from Wolf Creek, 6.4 mi upstream from Greys River, 7.4 mi east of Alpine, 16.1 mi upstream from Palisades Dam, and at mile 917.5.

DRAINAGE AREA.--3,465 mi^2.

PERIOD OF RECORD.--March 1937 to March 1939 (published as "above Greys River, near Alpine"), July 1953 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,683.90 ft above sea level, unadjusted. Mar. 16, 1937 to Mar. 31, 1939 at site 6.0 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry. Station operated and record provided by the Idaho District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4290	2100	1960	e1700	e1500	1640	1850	5980	15200	5780	3540	3090
2	4300	2070	1950	e1700	e1600	1620	1880	6740	14300	5770	3470	3260
3	4280	2040	1950	e1600	1600	1620	1860	7680	14200	5600	3450	3170
4	4070	2060	1820	e1700	1600	1620	1900	8750	14600	5400	3490	3090
5	3560	2060	1790	e1700	1610	1630	2200	9470	15000	5200	3530	3040
6	3260	2050	1810	e1700	1610	1710	2400	9240	14700	4890	3490	3020
7	3010	2040	1810	e1700	1590	1720	2260	9030	14200	4800	3430	3020
8	2800	2040	e1700	e1600	1580	1690	2210	8450	13900	4710	3360	3000
9	2660	2030	e1600	e1600	1630	1690	2300	7900	13200	4650	3310	2900
10	2510	2010	e1700	e1700	1630	1660	2420	7850	12200	4650	3320	2870
11	2400	2000	1700	e1700	1630	1660	2640	7520	11100	4630	3300	2850
12	2350	1990	1740	e1700	1650	1650	2900	7450	10600	4470	3240	2830
13	2310	1970	1790	e1600	1630	1620	3310	7170	10700	4390	3210	2800
14	2270	1980	1710	e1700	1690	1660	3760	6950	10500	4280	3180	2750
15	2250	1960	1770	e1800	1670	1700	3730	6920	9920	4200	3150	2710
16	2240	1960	1820	e1800	1610	1640	3570	7120	9800	4120	3140	2690
17	2190	1970	1800	1860	1640	1660	3420	7540	9250	4140	3100	2690
18	2180	1980	1810	1780	1620	1650	3470	7830	8690	4220	3130	2730
19	2190	1960	1800	1800	1590	1680	3540	8040	8820	4170	3120	2710
20	2170	1960	1770	1740	1570	1660	3650	8810	9020	4110	3080	2730
21	2170	1960	1780	1730	1620	1590	3860	9580	8160	4040	3030	2750
22	2150	1930	1750	1700	1640	1590	4280	10400	7550	3920	3000	2860
23	2140	1830	1700	1690	1660	1630	4750	11800	7390	3900	2980	2960
24	2140	1760	e1700	1700	1680	1660	4620	12900	7540	3820	2940	2930
25	2130	1840	e1700	1700	1690	1650	4160	13900	7550	3790	2940	2910
26	2120	2040	e1700	1690	1620	1730	4070	14600	7180	3760	2980	2890
27	2110	2200	e1700	1660	1640	1890	4460	15200	6690	3790	3000	2870
28	2150	2100	e1600	1590	1650	1980	5180	14500	6380	3750	2950	2840
29	2180	2010	e1700	1560	1650	2010	6190	15600	6150	3690	2920	2820
30	2140	1970	e1700	e1500	---	1900	6170	16500	5910	3630	2970	2810
31	2120	---	e1600	e1400	---	1840	---	16100	---	3560	3040	---
TOTAL	80840	59870	54430	52100	47100	52650	103010	307520	310400	135830	98790	86590
MEAN	2608	1996	1756	1681	1624	1698	3434	9920	10350	4382	3187	2886
MAX	4300	2200	1960	1860	1690	2010	6190	16500	15200	5780	3540	3260
MIN	2110	1760	1600	1400	1500	1590	1850	5980	5910	3560	2920	2690
AC-FT	160300	118800	108000	103300	93420	104400	204300	610000	615700	269400	195900	171800

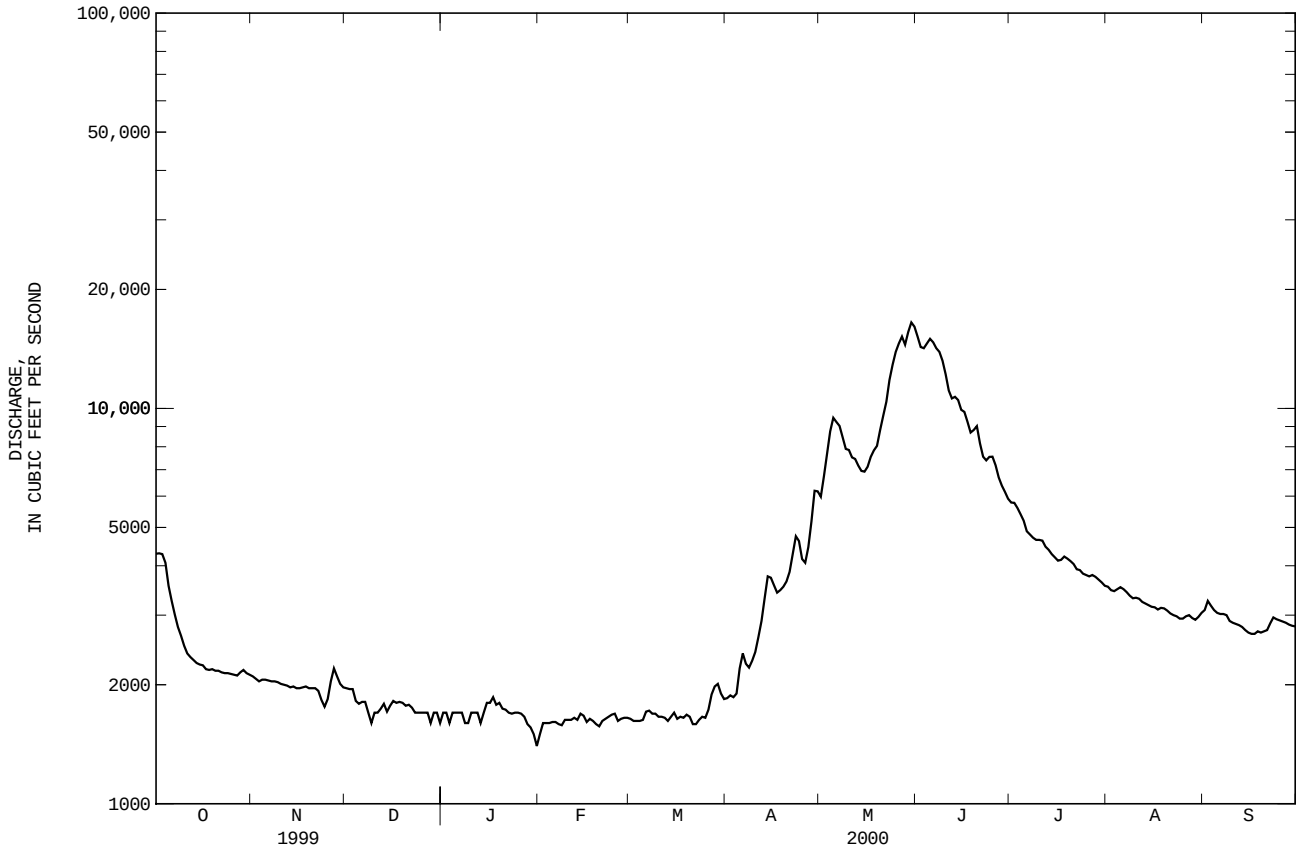
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2000, BY WATER YEAR (WY)

MEAN	2199	1867	1702	1526	1613	1856	3400	9012	13660	8623	5358	4053
MAX	3605	4244	5795	2694	3381	4116	6820	15890	28180	15790	7541	7595
(WY)	1983	1957	1957	1997	1961	1997	1985	1997	1997	1982	1956	1984
MIN	1325	1225	1101	1069	1071	1099	1506	2995	6257	3802	2494	2241
(WY)	1978	1978	1988	1964	1938	1955	1955	1977	1994	1988	1981	1977

13022500 SNAKE RIVER ABOVE RESERVOIR, NEAR ALPINE, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1937 - 2000	
ANNUAL TOTAL	1988080		1389130		--	
ANNUAL MEAN	5447		3795		4599	
HIGHEST ANNUAL MEAN	--		--		7525	1997
LOWEST ANNUAL MEAN	--		--		2726	1977
HIGHEST DAILY MEAN	23400	Jun 18	16500	May 30	38100	Jun 11 1997
LOWEST DAILY MEAN	1300	Jan 30	1400	Jan 31	900	Dec 31 1978
ANNUAL SEVEN-DAY MINIMUM	1470	Jan 25	1540	Jan 28	957	Jan 9 1964
ANNUAL RUNOFF (AC-FT)	3943000		2755000		3332000	
10 PERCENT EXCEEDS	13900		8520		10900	
50 PERCENT EXCEEDS	3330		2460		2470	
90 PERCENT EXCEEDS	1700		1630		1330	

e Estimated.



13023000 GREYS RIVER ABOVE RESERVOIR, NEAR ALPINE, WY

LOCATION.--Lat 43°08'35", long 110°58'34", in SW$^{1}/_{4}$SE$^{1}/_{4}$ sec.34, T.37 N., R.118 W. (unsurveyed), Lincoln County, Wyoming, Hydrologic Unit 17040103, on right bank at Bridge Campground, 3.6 mi southeast of Alpine, 3.0 mi upstream from maximum flowline of Palisades Reservoir.

DRAINAGE AREA.--448 mi^{2}. Mean elevation, 8,080 ft.

PERIOD OF RECORD.--July to September 1917, June to September 1918, March 1937 to March 1939, October 1953 to current year. Published as "Greys River near Alpine, Idaho", 1917-1918, and as "Greys River near Alpine, Wyo.", 1937-39.

GAGE.--Water-stage recorder. Elevation of gage is 5,729 ft above sea level, from topographic map. July 6 to Sept. 30, 1917, and June 4 to Sept. 30, 1918, nonrecording gage, and Mar. 17, 1937 to Mar. 31, 1939, water-stage recorder, at site 1.8 mi downstream, and Oct. 1953 to Sept. 22, 1965, water-stage recorder at site 1 mi downstream at different datums.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Station equipment includes satellite telemetry. Less than 500 acres irrigated by diversions from Greys River and tributaries upstream from station. Station operated and record provided by the Idaho District.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^{3}/s, and maximum (*):

Date	Time	Discharge (ft^{3}/s)	Gage height (ft)
May 5	0230	2,090	3.80
May 26	0430	*2,860	*4.41

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	430	360	315	e220	e180	231	306	1430	1920	850	477	417
2	426	351	310	e220	e180	233	321	1600	1810	851	474	430
3	423	354	302	e220	e180	222	319	1750	1800	872	475	411
4	419	361	240	e220	e200	232	368	1930	1860	865	515	395
5	416	355	e200	e240	e200	244	511	1910	1850	822	543	381
6	414	350	e220	e240	e200	256	549	1760	1820	738	507	359
7	412	347	e220	e220	e220	247	471	1810	1830	721	518	357
8	407	351	e200	e220	e200	235	488	1690	1830	659	480	348
9	404	347	e200	e220	e200	242	564	1570	1940	648	465	340
10	400	337	e200	e200	e200	236	589	1480	1730	641	454	337
11	396	343	e220	e180	e220	227	723	1360	1530	647	447	332
12	392	336	e200	e200	e220	228	835	1250	1480	657	439	332
13	390	330	e220	e200	e200	223	946	1170	1590	600	435	328
14	388	321	e240	e200	e200	240	991	1150	1480	586	422	325
15	385	313	e240	e220	e220	234	922	1150	1450	578	421	321
16	386	e300	e240	e220	e220	215	915	1210	1420	569	406	318
17	372	e280	e260	e220	e200	243	881	1260	1290	578	400	319
18	385	e280	e240	e240	e200	223	955	1250	1200	573	410	325
19	373	e280	e240	e240	e200	235	963	1310	1230	556	438	322
20	373	e260	e240	e240	e220	226	917	1560	1150	541	429	330
21	370	e260	e220	e220	e220	201	1110	1730	1080	529	428	323
22	366	e260	e220	e220	e220	220	1270	1930	1060	518	403	333
23	363	e260	e220	e220	e220	239	1330	2270	1040	509	391	340
24	365	260	e220	e220	e220	233	1210	2490	1050	509	380	336
25	361	340	e220	e220	e220	225	1060	2570	1010	509	379	330
26	358	374	e220	e220	e220	272	1140	2640	981	509	389	323
27	357	375	e200	e200	e220	293	1380	2390	942	507	402	318
28	378	349	e200	e180	e220	330	1630	2360	936	500	379	314
29	385	323	e200	e170	e220	304	1660	2440	907	493	374	310
30	357	322	e200	e170	---	287	1420	2300	864	488	387	302
31	357	---	e200	e160	---	288	---	2120	---	476	413	---
TOTAL	12008	9679	7067	6580	6040	7564	26744	54840	42080	19099	13480	10256
MEAN	387	323	228	212	208	244	891	1769	1403	616	435	342
MAX	430	375	315	240	220	330	1660	2640	1940	872	543	430
MIN	357	260	200	160	180	201	306	1150	864	476	374	302
AC-FT	23820	19200	14020	13050	11980	15000	53050	108800	83470	37880	26740	20340

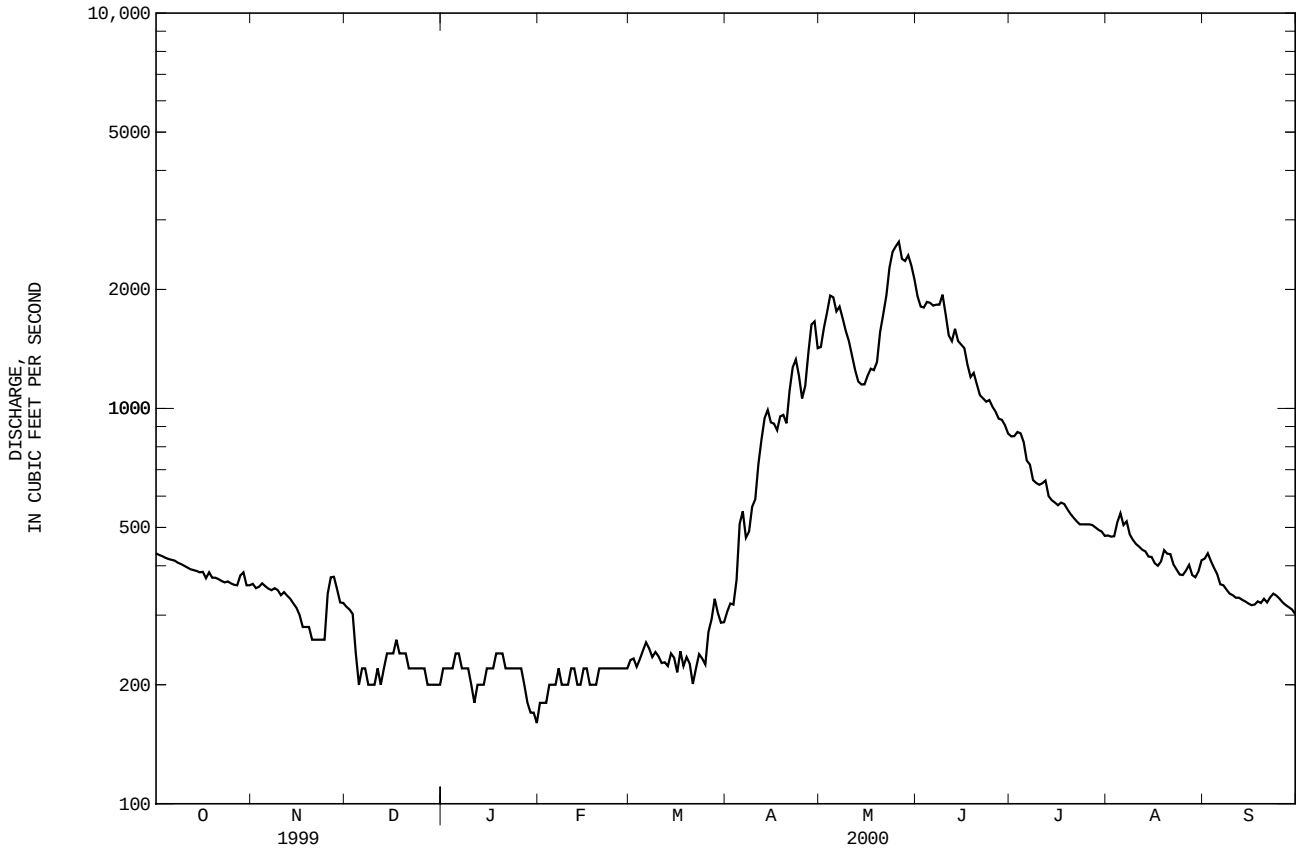
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2000, BY WATER YEAR (WY)

MEAN	318	269	233	214	206	233	640	1795	2042	960	490	374
MAX	472	455	366	315	293	406	1324	3032	3998	1904	809	569
(WY)	1983	1984	1984	1971	1963	1986	1962	1997	1971	1975	1971	1997
MIN	191	150	142	133	132	173	238	333	387	228	205	198
(WY)	1993	1993	1993	1993	1993	1967	1975	1977	1977	1977	1977	1977

13023000 GREYS RIVER ABOVE RESERVOIR, NEAR ALPINE, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1937 - 2000	
ANNUAL TOTAL	277171		215437		--	
ANNUAL MEAN	759		589		653	
HIGHEST ANNUAL MEAN	--		--		1022	1971
LOWEST ANNUAL MEAN	--		--		259	1977
HIGHEST DAILY MEAN	3500	May 31	2640	May 26	6170	Jun 19 1971
LOWEST DAILY MEAN	150	Jan 25	160	Jan 31	92	Jan 2 1978
ANNUAL SEVEN-DAY MINIMUM	160	Jan 25	174	Jan 28	124	Feb 26 1993
ANNUAL RUNOFF (AC-FT)	549800		427300		472800	
10 PERCENT EXCEEDS	2100		1480		1750	
50 PERCENT EXCEEDS	404		362		322	
90 PERCENT EXCEEDS	190		218		190	

e Estimated.



13027500 SALT RIVER ABOVE RESERVOIR, NEAR ETNA, WY

LOCATION.--Lat 43°04'47", long 111°02'12", in SW$^{1}/_{4}$NE$^{1}/_{4}$ sec.28, T.36 N., R.119 W., Lincoln County, Wyoming, Hydrologic Unit 17040l05, on right bank 3.4 mi northwest of Etna, and 8.0 mi upstream from maximum flowline of Palisades Reservoir.

DRAINAGE AREA.--829 mi^{2}.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1953 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,675.78 ft above sea level (levels by U.S. Bureau of Reclamation).

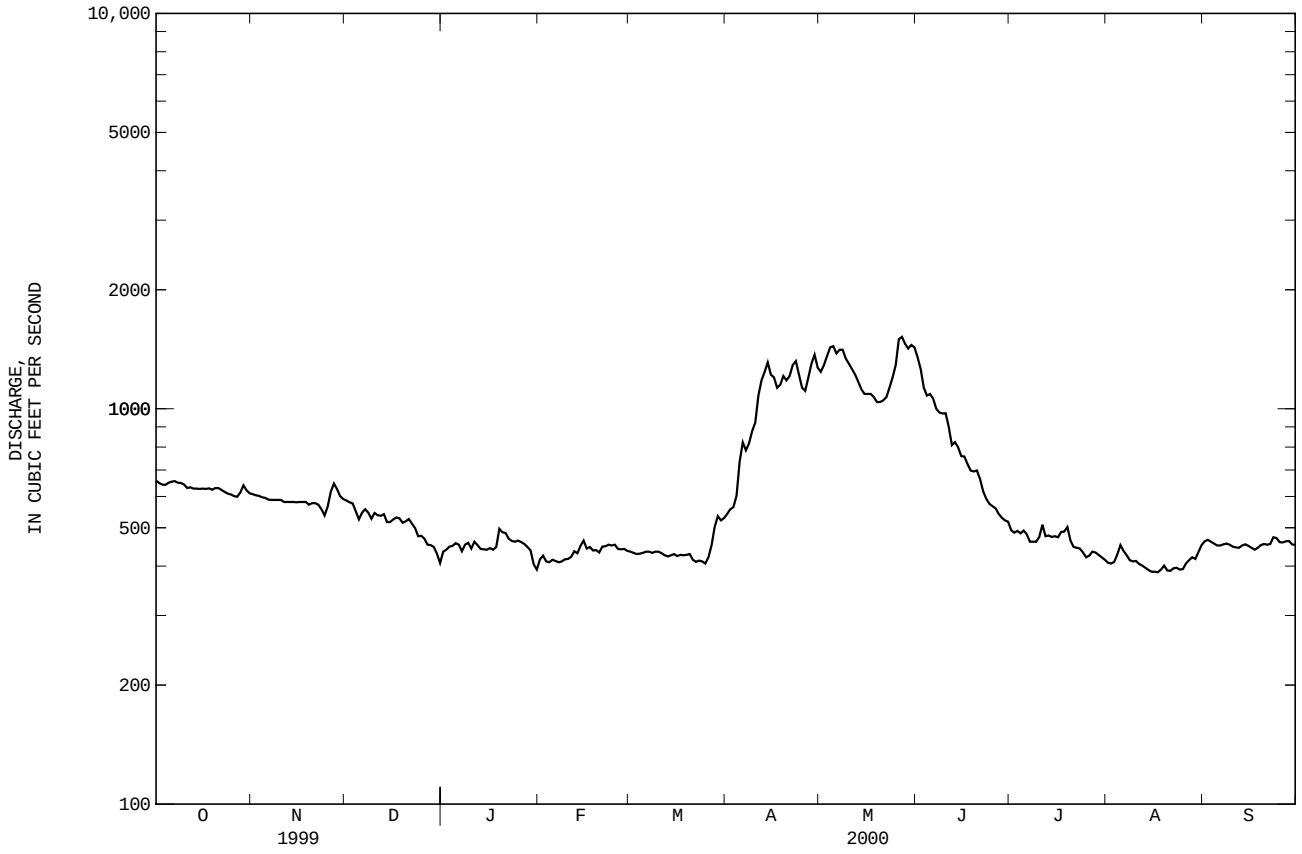
REMARKS.--Records good. Station equipment includes satellite telemetry. Diversions above station for power developments, industry, municipal supply, and irrigation of about 60,500 acres of which about 1,000 acres are below station (1966 determination). For details on adjudication of diversions, see Remarks for this station in WSP 1347. Station operated and record provided by the Idaho District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	658	608	586	435	416	435	542	1240	1350	493	408	462
2	649	604	580	440	425	432	557	1290	1260	486	406	466
3	643	602	576	448	411	429	564	1360	1130	491	410	461
4	642	597	550	450	409	430	603	1430	1080	484	428	456
5	650	595	525	457	415	432	736	1440	1090	492	452	451
6	654	589	546	453	412	435	822	1380	1060	481	437	451
7	656	588	557	436	409	435	785	1410	1000	461	426	454
8	650	588	546	453	411	432	818	1410	978	461	414	456
9	649	588	527	458	416	435	878	1340	973	461	411	453
10	643	588	545	443	417	435	923	1300	974	474	412	448
11	630	581	538	461	422	431	1080	1260	899	509	405	446
12	633	581	536	452	436	426	1180	1220	809	476	401	445
13	628	581	541	442	431	423	1240	1170	823	478	396	451
14	628	581	517	441	450	426	1310	1120	799	474	391	454
15	627	580	517	440	464	429	1220	1090	759	476	387	450
16	628	581	525	444	443	424	1200	1090	757	473	387	445
17	627	581	531	440	447	427	1130	1090	725	488	386	440
18	629	581	528	447	438	426	1150	1070	698	489	392	445
19	624	572	515	497	439	427	1210	1040	694	502	401	452
20	630	577	519	487	433	429	1180	1040	698	464	390	455
21	630	577	526	485	448	415	1210	1050	665	447	389	453
22	623	572	512	469	449	410	1290	1070	619	445	395	455
23	616	557	499	463	453	413	1320	1130	592	443	396	473
24	610	537	476	461	451	411	1220	1200	575	433	392	471
25	607	566	477	464	453	406	1130	1290	567	421	393	460
26	601	617	469	460	442	421	1110	1500	560	425	406	459
27	599	647	453	455	441	452	1200	1520	542	435	414	462
28	614	626	452	447	442	503	1300	1460	530	433	421	463
29	640	601	447	438	437	535	1370	1420	522	427	417	454
30	622	591	430	404	---	522	1270	1450	518	421	434	452
31	611	---	407	392	---	529	---	1430	---	415	452	---
TOTAL	19551	17634	15953	13962	12560	13615	31548	39310	24246	14358	12649	13643
MEAN	631	588	515	450	433	439	1052	1268	808	463	408	455
MAX	658	647	586	497	464	535	1370	1520	1350	509	452	473
MIN	599	537	407	392	409	406	542	1040	518	415	386	440
AC-FT	38780	34980	31640	27690	24910	27010	62580	77970	48090	28480	25090	27060
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2000, BY WATER YEAR (WY)												
MEAN	623	591	517	451	440	479	970	1752	1511	867	631	644
MAX	912	838	712	584	702	1121	2204	3586	3486	1809	997	961
(WY)	1983	1984	1984	1997	1963	1986	1986	1997	1997	1975	1983	1971
MIN	336	347	342	318	309	362	503	306	275	271	266	342
(WY)	1978	1978	1993	1993	1993	1988	1977	1977	1977	1977	1977	1977

13027500 SALT RIVER ABOVE RESERVOIR, NEAR ETNA, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1954 - 2000	
ANNUAL TOTAL	346853		229029		--	
ANNUAL MEAN	950		626		791	
HIGHEST ANNUAL MEAN	--		--		1272	1997
LOWEST ANNUAL MEAN	--		--		430	1992
HIGHEST DAILY MEAN	3780	May 31	1520	May 27	5030	Jun 2 1986
LOWEST DAILY MEAN	407	Dec 31	386	Aug 17	180	Jan 7 1971
ANNUAL SEVEN-DAY MINIMUM	417	Mar 11	390	Aug 15	226	May 10 1977
ANNUAL RUNOFF (AC-FT)	688000		454300		572800	
10 PERCENT EXCEEDS	2100		1180		1550	
50 PERCENT EXCEEDS	643		492		585	
90 PERCENT EXCEEDS	443		415		386	



13027500 SALT RIVER ABOVE RESERVOIR, NEAR ETNA, WY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)
DEC								
16...	0900	520	630	100	11.4	8.2	486	1.0
MAR								
28...	1330	500	622	106	10.2	8.3	508	6.0
JUN								
21...	1005	672	624	101	9.1	8.1	450	14.0
AUG								
02...	0950	448	623	93	7.2	8.0	472	16.0

DATE	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
DEC								
16...	2.0	<.020	1.07	<.010	<.010	K11	63	88
MAR								
28...	8.0	.031	.903	<.010	<.010	K1	113	153
JUN								
21...	11.0	<.020	.674	<.010	<.010	34	47	85
AUG								
02...	17.5	<.020	.987	<.010	<.010	75	36	44

K Results based on colony count outside the acceptable range (non-ideal colony count).

13046680 BOUNDARY CREEK NEAR BECHLER RANGER STATION, WY

LOCATION.--Lat 44°11'09", long 111°00'19", T.49 N., R.118 W., Teton County, Yellowstone National Park, Hydrologic Unit 17040203, on right bank 0.4 mi upstream from confluence with the Bechler River, 3.8 mi north of the Bechler Ranger Station, and 28.0 mi northeast of Ashton, Idaho.

DRAINAGE AREA.--86.9 mi^2.

PERIOD OF RECORD.--August 1984 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,360 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. No diversion or regulation. Station operated and record provided by the Idaho District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	90	92	85	80	76	77	256	257	102	86	84
2	91	90	91	85	80	77	76	265	244	101	e85	86
3	91	90	91	84	79	77	77	263	246	100	e85	82
4	91	91	89	86	79	77	80	259	255	99	e85	81
5	90	91	88	85	80	78	88	230	264	98	e85	81
6	91	90	89	84	79	81	86	231	273	97	e85	84
7	91	91	91	83	79	79	81	243	280	96	e85	83
8	91	91	88	86	79	78	83	261	289	95	e80	81
9	90	91	89	85	82	77	87	260	243	95	e80	81
10	90	90	89	85	80	78	89	237	190	95	e80	81
11	90	91	89	89	80	78	95	197	168	96	e80	81
12	91	90	90	85	82	76	104	174	165	93	e80	81
13	90	90	93	83	83	76	113	159	229	93	e80	80
14	90	90	89	83	85	77	125	152	202	e90	e80	80
15	91	90	90	83	80	75	122	156	162	e90	e80	79
16	90	90	89	84	79	75	131	165	150	e90	e80	79
17	90	90	88	83	79	77	138	197	138	e90	e80	80
18	91	91	88	83	78	76	144	195	132	e90	e80	80
19	90	90	87	84	78	79	150	194	146	e90	e80	80
20	90	94	87	82	78	76	162	198	159	e90	e80	80
21	90	92	87	82	78	75	195	204	136	e90	e80	81
22	90	91	86	82	79	76	247	210	126	89	e80	82
23	90	90	86	81	77	77	306	219	120	88	e80	82
24	90	90	85	82	78	76	268	222	116	88	e80	80
25	90	96	85	83	79	75	222	224	113	88	e80	80
26	90	101	85	82	78	77	233	265	110	88	e80	79
27	90	98	85	82	78	80	279	295	109	88	e80	79
28	97	94	84	81	78	85	317	289	107	87	e80	79
29	94	92	84	80	77	79	307	281	105	87	e80	79
30	91	91	84	80	---	77	256	271	103	86	81	78
31	90	---	84	80	---	77	---	271	---	86	82	---
TOTAL	2813	2746	2722	2582	2301	2397	4738	7043	5337	2855	2519	2423
MEAN	90.7	91.5	87.8	83.3	79.3	77.3	158	227	178	92.1	81.3	80.8
MAX	97	101	93	89	85	85	317	295	289	102	86	86
MIN	90	90	84	80	77	75	76	152	103	86	80	78
AC-FT	5580	5450	5400	5120	4560	4750	9400	13970	10590	5660	5000	4810

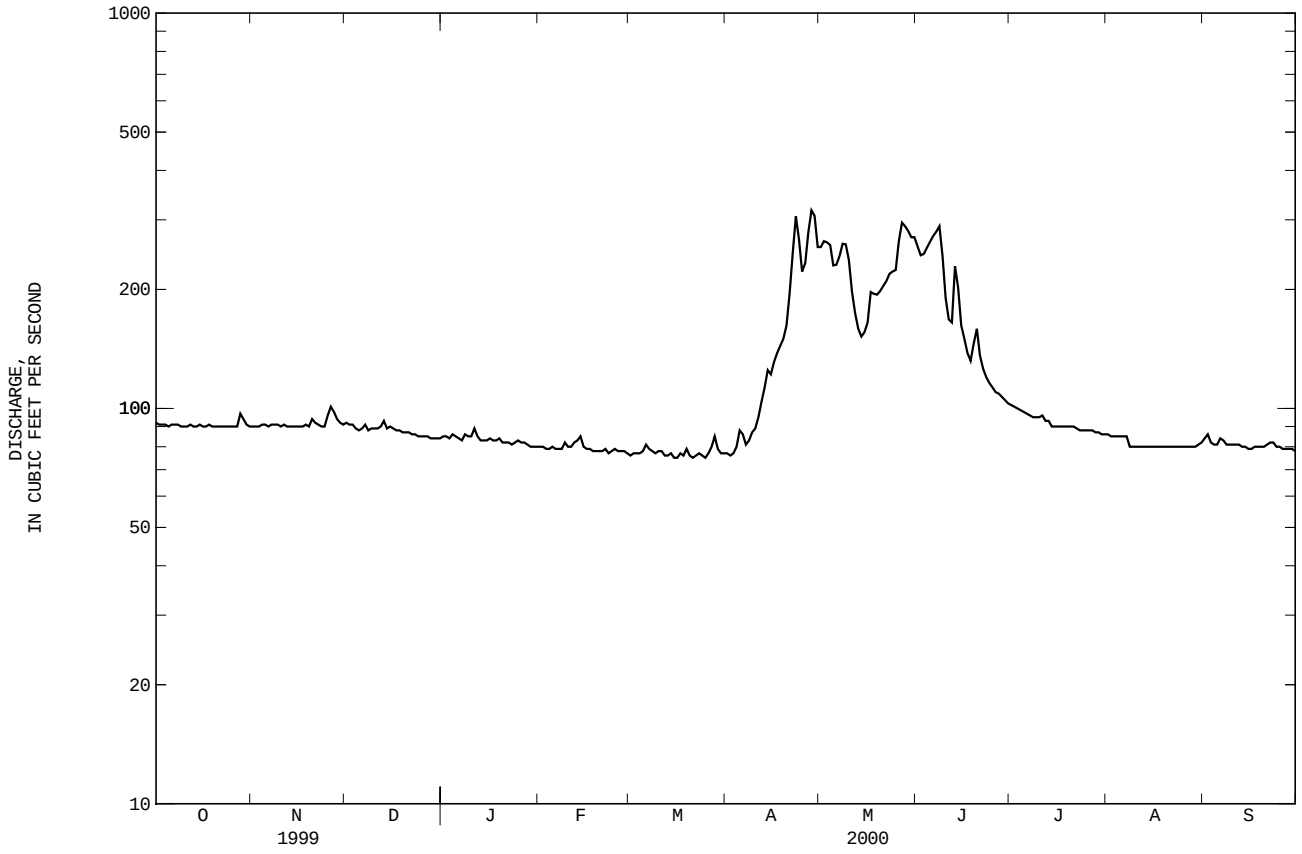
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2000, BY WATER YEARS (WY)

MEAN	82.7	82.5	78.7	74.4	70.5	71.9	125	284	243	107	86.5	82.9
MAX	120	108	101	100	88.5	91.3	215	460	566	179	139	129
(WY)	1998	1998	1996	1997	1998	1997	1990	1997	1986	1997	1997	1997
MIN	61.6	61.9	58.8	58.1	53.8	58.0	68.8	150	83.3	68.1	62.2	59.4
(WY)	1993	1993	1993	1993	1989	1993	1991	1990	1987	1988	1988	1988

13046680 BOUNDARY CREEK NEAR BECHLER RANGER STATION, WY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1984 - 2000	
ANNUAL TOTAL	48055		40476		--	
ANNUAL MEAN	132		111		116	
HIGHEST ANNUAL MEAN	--		--		169	1997
LOWEST ANNUAL MEAN	--		--		84.4	1992
HIGHEST DAILY MEAN	550	May 31	317	Apr 28	810	Jun 2 1986
LOWEST DAILY MEAN	74	Mar 2	75	Mar 15	53	Feb 4 1989
ANNUAL SEVEN-DAY MINIMUM	74	Mar 2	76	Mar 12	53	Feb 12 1989
ANNUAL RUNOFF (AC-FT)	95320		80280		83980	
10 PERCENT EXCEEDS	273		222		236	
50 PERCENT EXCEEDS	91		88		84	
90 PERCENT EXCEEDS	78		78		62	

e Estimated.



Annual maximum discharge at miscellaneous sites during water year 2000

Stream	Tributary to	Location	Period of Record	Measurements		
				Date	Gage height (feet)	Discharge (cfs)
		Platte River Basin				
Crow Creek at 5th Street, in Cheyenne	South Platte River	Lat 41°07′20", long 104°48′38", in SE¼ NE¼ SE¼ sec.6, T.13 N., R.66 W., Laramie County, Hydrologic Unit 10190009, 15 ft upstream from bridge on 5th Street, in Cheyenne.	1995-99	4-30-99* 7-10-00	8.44 6.86	717 282
Crow Creek on C.P. Orgon property, in Cheyenne	South Platte River	Lat 41°07′26", long 104°47′20", in NW¼ NW¼ SW¼ sec.4, T.13 N., R.66 W., Laramie County, Hydrologic Unit 10190009, 100 ft downstream from bridge over Crow Creek on private land, and approximately 1,700 ft east of Morrie Avenue, in Cheyenne	1996-99	4-30-99* 7-10-00	4.94 4.01	668 263
Clear Creek at Parsley Boulevard, in Cheyenne	Crow Creek	Lat 41°07′30", long 104°49′22", in SW¼ SE¼ NW¼ sec.6, T.13 N., R.66 W., Laramie County, Hydrologic Unit 10190009, 15 ft upstream from culvert under Parsley Boulevard, in Cheyenne.	1996-99	4-10-99* 8-15-00	8.70 7.45	35 8.70
Henderson Drain at Nationway in Cheyenne	Crow Creek	Lat 41°08′08", long 104°46′19", in SE¼ NE¼ SE¼ sec.33, T.14 N., R.66 W., Laramie County, Hydrologic Unit 10190009, 40 ft upstream from culvert on Nationway, in Cheyenne.	1994, 1996-99	7-19-99* 7-27-00	9.33 9.29	220 205
Dry Creek at Vista Lane, in Cheyenne 06756030	Crow Creek	Lat 41°10′27", long 104°50′31", in NW¼ NE¼ NW¼ sec.24, T.14 N., R.67 W., Laramie County, Hydrologic Unit 10190009, 30 ft upstream from culvert on Vista Lane, in Cheyenne.	1987-99	9-2-99* 7-12-00	3.21 2.98	22 6.5
Dry Creek at Smalley Park, in Cheyenne	Crow Creek	Lat 41°10′02", long 104°49′07", in NE¼ NE¼ SW¼ sec. 19, T.14 N., R.66 W., Laramie County, Hydrologic Unit 10190009, 30 ft upstream from culvert on Seminole Road in Cheyenne.	1994-99	7-19-99* 7-10-00	11.55 11.24	148 124
Dry Creek tributary at Briarwood Road, in Cheyenne	Dry Creek	Lat 41°09′53", long 104°47′15", in SE¼ NW¼ SW¼ sec.21, T.14 N., R.66 W., Laramie County, Hydrologic Unit 10190009, 15 ft upstream from culvert on Briarwood Road, in Cheyenne.	1994, 1996-99	7-19-99* 7-27-00	12.69 12.49	8.9 5.4
Dry Creek at Windmill Road,in Cheyenne	Crow Creek	Lat 41°09′39", long 104°46′45", in SW¼ SW¼ SE¼ sec.21, T.14 N., R.66 W., Laramie County, Hydrologic Unit 1019000, 50 ft upstream from culvert on Windmill Road in Cheyenne.	1994-99	4-30-99* 7-27-00	9.64 8.87	218 90
Dry Creek at College Drive, in Cheyenne	Crow Creek	Lat 41°09′26", long 104°45′38", in SE¼ NE¼ NW¼ sec.27, T.14 N., R.66 W., Laramie County, Hydrologic Unit 10190009, 40 ft upstream from culvert on College Drive, in Cheyenne.	1994-99	4-30-99* 7-10-00	12.10 11.37	196 94
Dry Creek at Rawlins Street,in Cheyenne	Crow Creek	Lat 41°09′11", long 104°45"03", in SW¼ SW¼ NW¼ sec.26, T.14 N., R.66 W., Laramie County, Hydrologic Unit 10190009, 30 ft upstream from culvert on Rawlins Street, in Cheyenne.	1994-99	4-10-99* 7-10-00	16.61 14.66	327 92

* Not published previously.

Discharge measurements made at miscellaneous sites during water year 2000

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Yellowstone River Basin				
Wind River at Sheridan Creek Bridge, near Tie Hack 483832109550901	Bighorn River	Lat 48°38′32", long 109°55′09", in NW¼ SW¼ NE¼ sec.34, T.42 N., R.109 W., Fremont County, Hydrologic Unit 10080001, Shoshone National Forest, at the Tie Hack Memorial about 19 miles northwest of Dubois on U.S. Hwy 26/287.		--	05-31-00	291
Upper Wind River "A" Canal at Headworks, near Burris 06222100	Wind River	Lat 43°24′59", long 109°19′40", in NE¼ NW¼ NW¼ sec.14, T.5 N., R.5 W., Fremont County, Hydrologic Unit 10080001, Wind River Indian Reservation, on left bank, 30 ft downstream from headworks, 2 mi southeast of Wilderness and 4 mi northwest of Burris.		1988-99	05-18-00	82.7
Dry Creek Canal at Headgate, near Burris 06222510	Wind River	Lat 43°20′38", long 109°17′25", in NW¼ NE¼ NE¼ sec.12, T.4 S., R.5 W., Fremont County, Hydrologic Unit 10080001, Wind River Indian Reservation, on left bank, 200 ft downstream from headgate, and 1.7 mi southwest of Burris.		1988-99	05-04-00	162
Johnstown Canal at Headworks, near Kinnear 06227596	Wind River	Lat 43°09′02", long 108°43′41", in SW¼ SE¼ NW¼ sec.14, T.2 N., R.1 E., Fremont County, Hydrologic Unit 10080001, Wind River Indian Reservation, on left bank, 450 ft downstream from headgate, 1.6 mi upstream from bridge on State Highway 132, and 2.5 mi west of Kinnear.		1989-99	05-04-00 08-03-00 08-25-00 09-20-00	24.0 20.9 27.0 14.2
Lefthand Ditch at Headworks, near Riverton 06227810	Wind River	Lat 43°01′34", long 108°31′12", in NE¼ NE¼ NE¼ sec.33, T.1 N., R.3 E., Fremont County, Hydrologic Unit 10080001, Wind River Indian Reservation, on left bank, 0.6 mi downstream from headgate, and 6.9 mi west of Riverton.		1988-99	05-05-00 07-31-00 09-11-00	8.96 40.1 17.7
Ray Canal at Headworks, near Ft. Washakie 06228510	Little Wind River	Lat 43°00′02", long 108°55′56", in NW¼ SW¼ SW¼ sec.6, T.1 S., R.1 W., Fremont County, Hydrologic Unit 10080002, Wind River Indian Reservation, on right bank,160 ft downstream from headgate, 300 ft upstream from culvert on County Road 43, 2.0 mi upstream from Crooked Creek, and 2.4 mi west of Ft. Washakie.		1988-99	10-04-99 04-17-00	26.4 20.1
		Green River Basin				
Pine Creek above Fremont Lake 09196500	Green River	Lat 43°01′50", long 109°46′10", in S½ sec. 5, T.35 N., R.108 W., Sublette County, Hydrologic Unit 14040102, Bridger National Forest, on right bank, 0.5 mi upstream from Fremont Lake, and 12 mi northeast of Pinedale.	75.8	1954-97	09-27-00	41.6
Big Sandy River below Farson 09215550	Green River	Lat 42°04′24", long 109°28′43", in SW¼ SE¼ NE¼ sec.12, T.24 N., R.107 W., Sweetwater County, Hydrologic Unit 14040104, on left bank, 2.7 mi northwest of Eden, 3.0 mi southwest of Farson, and 3.8 mi downstream from Little Sandy Creek.	1,097	1981-99	10-25-99	25.0

Discharge measurements made at miscellaneous sites during water year 2000

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Snake River Basin				
Fish Creek near Teton Village 433504110493901	Snake River	Lat 43°35′04", long 110°49′39", in NE¼ SW¼ SE¼ sec.24, T.42 N., R.117 W., Teton County, Hydrologic Unit 17040103, on right bank, 0.2 mi southwest of Teton Village entry from State Hwy 390.		--	06-02-00 06-20-00 07-06-00 08-03-00 08-16-00 09-15-00	4.50 3.50 3.55 4.72 3.07 1.00
Fish Creek at Resor Bridge, near Teton Village 433243110504501	Snake River	Lat 43°32′43", long 110°50′45", in SW¼ SE¼ NE¼ sec.2, T.41 N., R.117 W., Teton County, Hydrologic Unit 17040103, on right bank, 1.2 mi west of miscellaneous site 433247110491701 Lake Creek at State Hwy 390 and 3.0 mi southwest of Teton Village.		--	06-08-00 06-20-00 08-03-00 09-15-00	134 120 84.2 53.5
Lake Creek below Granite Creek Supplemental, near Moose 13016240	Snake River	Lat 43°36′49", long 110°46′44", in NE¼ SW¼ SW¼ sec.9, T.42 N., R.116 W., Teton County, Hydrologic Unit 17040103, Grand Teton National Park, on left bank, 60 ft downstream of Granite Creek Supplemental, 3.2 mi northeast of Teton Village, and 4.3 mi southwest of Moose.	22.2	1995-99	10-06-99	10.2
Granite Creek Supplemental above Lake Creek, near Moose 13016310	Snake River	Lat 43°37′09", long 110°46′27", in SE¼ SE¼ NW¼ sec.9, T.42 N., R.116 W., Teton County, Hydrologic Unit 17040103, Grand Teton National Park, on left bank, 0.3 mi downstream from headworks, 0.4 mi upstream from Lake Creek, 3.5 mi northeast of Teton Village, and 4.0 mi southwest of Moose.		1995-99	10-06-99	61.8
Granite Creek Supplemental below Lake Creek, near Moose 13016315	Snake River	Lat 43°36′22", long 110°47′24", in NW¼ SW¼ NE¼ sec.17, T.42 N., R.116 W., Teton County, Hydrologic Unit 17040103, Grand Teton National Park, on left bank, 0.8 mi downstream from Lake Creek, 0.9 mi upstream from mouth, 2.2 mi northeast of Teton Village, and 5.4 mi southwest of Moose.		1995-99	10-06-99	49.4
Lake Creek at State Hwy 390, near Wilson 433247110491701	Fish Creek	Lat 43°32′47", long 110°49′17", in SW¼ SW¼ NW¼ sec.6, T.41 N., R.116 W., Teton County, Hydrologic Unit 17040103, at bridge on State Hwy 390, 2.8 mi south of Teton Village, and 4.1 mi northeast of Wilson.		1994-99	06-01-00 06-20-00 08-03-00 09-15-00	365 244 152 85.0
Phillips Canyon at Fish Creek Road, near Wilson 433234110512601	Fish Creek	Lat 43°32′34", long 110°51′26", in SE¼ NW¼ SW¼ sec.2, T.41 N., R.117 W., Teton County, Hydrologic Unit 17040103, on right bank, 50 ft upstream from culvert on Fish Creek Road, 3.1 mi northeast of Wilson, and 3.4 mi southwest of Teton Village.		--	06-02-00 06-21-00 07-06-00 08-03-00 09-15-00	28.1 13.5 9.60 5.26 3.55
Fish Creek at Harmon's, at Wilson 432958110521301	Snake River	Lat 43°29′58", long 110°52′13", in SW¼ NW¼ SE¼ sec.22, T.41 N., R.117 W., Teton County, Hydrologic Unit 17040103, on left bank, at Wilson and 600 ft downstream from station 13016450 Fish Creek at Wilson.		--	06-01-00 06-21-00 09-03-00 09-14-00	627 417 307 206
Fish Creek above Mosquito Creek, near Wilson 432705110514501	Snake River	Lat 43°27′05", long 110°51′45", in SE¼ SE¼ SW¼ sec.3, T.40 N., R.117 W., Teton County, Hydrologic Unit 17040103, at bridge on Fish Creek Meadow Road and 3.5 mi south of Wilson on Fall Creek Road.		--	06-02-00 06-21-00 08-03-00 09-14-00	593 417 304 196

COAL BED METHANE STUDY

Water Disposal Ponds, Campbell County

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

STATION NUMBER	DATE	TIME	ALUM-INUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G) (01108)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS) (01003)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD) (01028)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G) (01029)
434119105224201	07-19-99	1400	13000	3	.5	16
435732105310101	07-21-99	1400	18000	2	.5	20
435857105263801	07-16-99	0915	38000	4	.9	37
435903105313201	07-21-99	1000	25000	3	.8	27
440146105293401	07-22-99	0900	15000	2	.6	18
440648105341401	07-20-99	1330	13000	2	.5	15
440720105294101	07-20-99	0900	9900	2	.4	12
442636105335001	07-22-99	1415	1200	2	.4	15

DATE	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU) (01043)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB) (01052)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG) (71921)	NICKEL, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS NI) (01068)	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G) (01148)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN) (01093)
07-19-99	19	17	.01	21	<1	70
07-21-99	25	20	.04	18	<1	80
07-16-99	25	24	.03	25	<1	100
07-21-99	27	24	.04	25	<1	90
07-22-99	21	19	.04	25	<1	70
07-20-99	18	16	.02	18	<1	70
07-20-99	13	12	.02	15	<1	50
07-22-99	14	16	.02	16	<1	50

FREMONT COUNTY WEED AND PEST DISTRICT STUDY

YELLOWSTONE RIVER BASIN

425008108445401 SQUAW CREEK AT SMITH STREET, AT LANDER, WY (LAT 42°50'08" LONG 108°44'54")

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	2,4-DP TOTAL (UG/L) (82183)	2,4,5-T TOTAL (UG/L) (39740)	2,4-D, TOTAL (UG/L) (39730)	DICAMBA TOTAL (UG/L) (82052)	PIC-LORAM UNFILT RECOVER (UG/L) (39720)	SILVEX, TOTAL (UG/L) (39760)
AUG 29...	1250	3.2	1210	28.5	27.0	<.01	<.01	<.01	<.01	.16	<.01

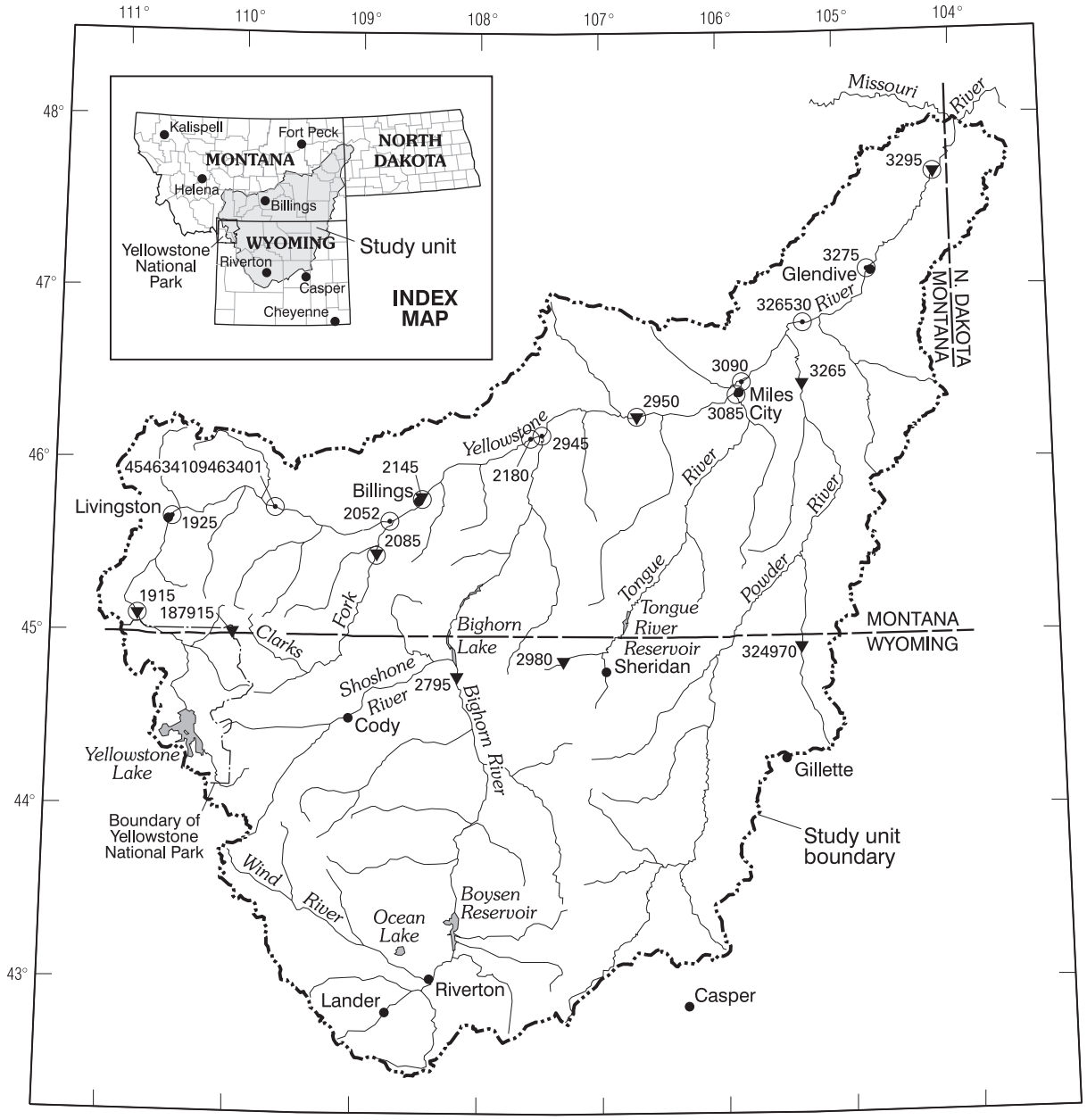


Figure 4. Location of surface-water sampling sites in the Yellowstone River Basin NAWQA study unit, Montana, North Dakota, and Wyoming.

YELLOWSTONE RIVER BASIN

06187915 SODA BUTTE CREEK AT PARK BOUNDARY, AT SILVER GATE, MT
(National Water-Quality Assessment Program)

LOCATION.--Lat 45°00'11", long 110°00'04", in SW $^1/_4$ NW $^1/_4$ SW $^1/_4$ sec.33, T.9 S., R.14 E., Park County, Hydrologic Unit 10070001, at Yellowstone National park boundary, 0.25 mi downstream from Silver Creek, 0.75 mi southwest of Silver Gate, and at river mile 17.8.

DRAINAGE AREA.--31.2 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,340 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. No known regulation or diversion upstream of station.

COOPERATION.--Records collected by the National Park Service and U.S. Department of Agriculture, Forest Service, under the general supervision of the Geological Survey. Record provided by the Montana District.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	e6.8	e4.0	e2.0	e1.8	2.2	e2.0	68	327	249	44	16
2	12	e6.5	e4.2	e2.2	e1.9	2.1	e2.1	93	361	242	41	16
3	10	e6.5	e4.2	e2.2	e1.9	2.1	e2.2	114	434	229	39	15
4	10	e7.0	e4.2	e2.2	e1.9	2.2	e2.2	119	484	199	44	14
5	9.9	e7.0	e4.2	e2.2	e1.9	2.3	e2.5	104	543	192	49	13
6	9.8	e7.0	e4.0	e2.0	e2.0	2.3	e3.0	94	578	181	38	14
7	9.6	e7.0	e3.8	e2.0	e2.0	2.2	e3.5	81	610	173	34	13
8	9.5	7.1	e3.8	e2.0	e2.0	2.5	e3.3	70	505	161	32	12
9	9.3	6.8	e4.0	e2.0	e2.0	2.3	e3.3	64	367	159	31	12
10	9.0	6.5	e4.1	e2.0	e2.0	2.2	e3.3	59	294	134	30	12
11	8.9	6.4	e4.2	e2.0	e2.0	2.1	3.9	54	272	128	29	13
12	8.7	6.1	e4.2	e2.0	e1.9	2.1	5.7	49	303	124	26	12
13	8.6	6.1	e4.2	e2.0	e1.9	2.1	7.9	45	323	118	25	11
14	8.8	6.2	e4.2	e2.0	e2.0	1.9	9.0	43	287	112	24	11
15	8.7	e6.0	e4.2	e2.0	e2.1	1.9	7.7	46	353	105	23	11
16	7.4	e5.8	e4.2	e2.0	e2.0	1.8	7.6	59	290	99	22	10
17	7.6	e5.5	e4.0	e2.0	e1.9	1.4	7.8	70	237	94	21	9.8
18	7.4	e5.5	e3.8	e2.0	e1.9	1.4	8.0	70	252	95	22	9.7
19	7.3	e5.3	e3.5	e2.0	e1.8	1.4	9.7	89	311	86	21	10
20	7.2	e5.0	e3.5	e2.0	e1.9	1.5	13	111	246	81	20	9.6
21	6.8	e4.6	e3.3	e2.0	e2.0	e1.5	18	135	235	76	18	9.9
22	6.6	e4.0	e3.2	e2.0	e2.2	e1.5	27	196	266	72	17	8.9
23	6.5	e4.0	e3.0	e2.0	2.3	e1.5	31	246	293	68	17	8.9
24	6.5	e3.5	e2.8	e2.0	2.2	1.7	26	270	319	63	17	9.0
25	6.4	e3.5	e2.6	e2.0	2.1	1.8	22	348	289	58	17	8.8
26	6.2	e3.5	e2.5	e2.0	2.2	1.8	21	328	244	55	19	8.3
27	6.6	e3.6	e2.5	e2.0	2.1	e1.8	27	306	234	53	21	8.2
28	6.7	e3.7	e2.2	e2.0	2.1	e1.8	47	427	229	50	17	8.1
29	6.2	e3.7	e1.8	e1.9	2.1	e1.8	54	412	230	49	16	8.2
30	6.4	e3.7	e1.8	e1.8	---	e1.8	47	410	241	46	16	8.1
31	e7.0	---	e1.9	e1.8	---	e1.8	---	374	---	45	16	---
TOTAL	254.6	163.9	108.1	62.3	58.1	58.8	427.7	4954	9957	3596	806	330.5
MEAN	8.21	5.46	3.49	2.01	2.00	1.90	14.3	160	332	116	26.0	11.0
MAX	13	7.1	4.2	2.2	2.3	2.5	54	427	610	249	49	16
MIN	6.2	3.5	1.8	1.8	1.8	1.4	2.0	43	229	45	16	8.1
AC-FT	505	325	214	124	115	117	848	9830	19750	7130	1600	656
CFSM	.26	.18	.11	.06	.06	.06	.46	5.12	10.6	3.72	.83	.35
IN.	.30	.20	.13	.07	.07	.07	.51	5.91	11.87	4.29	.96	.39

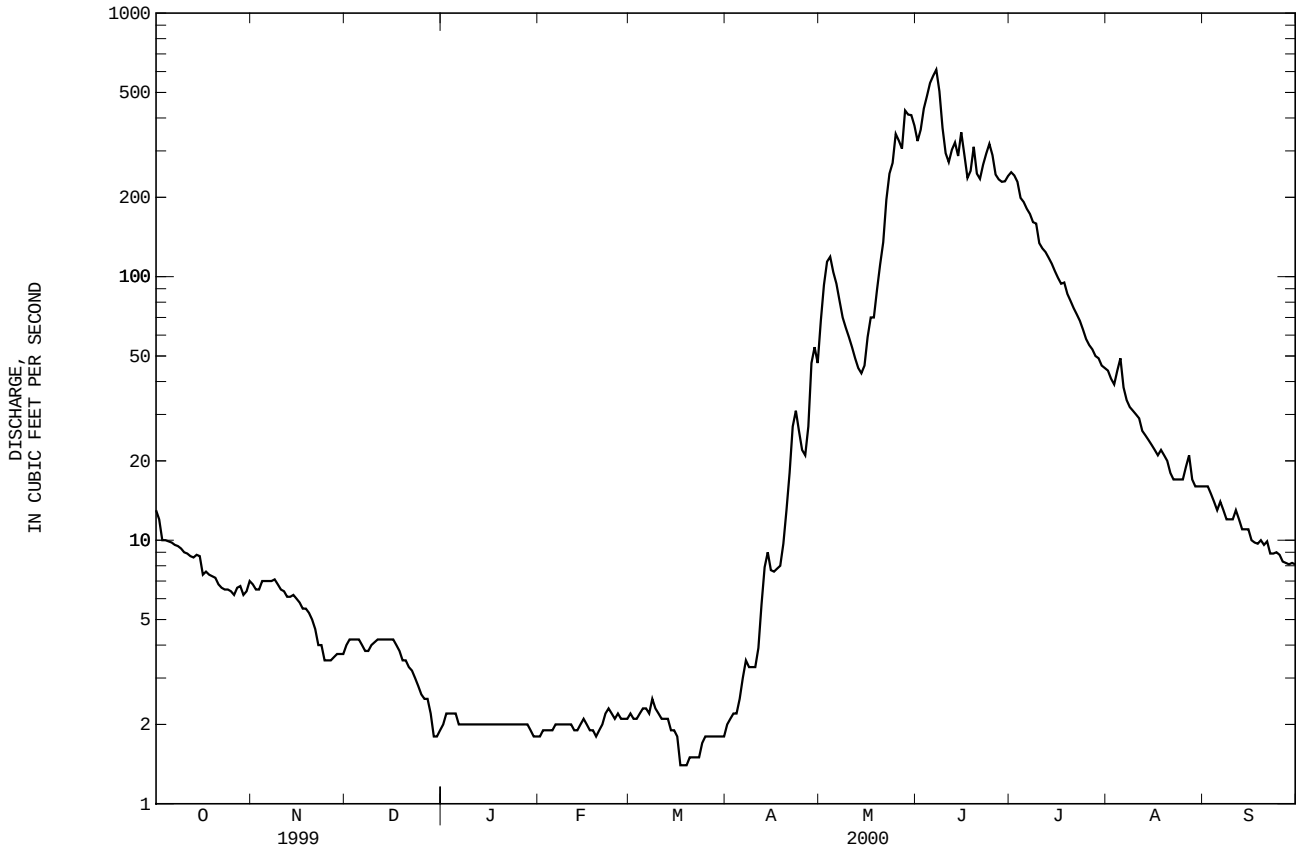
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

MEAN	10.0	6.15	3.38	2.06	1.93	1.81	9.24	128	339	164	35.5	16.7
MAX	11.9	6.84	3.49	2.11	2.00	1.90	14.3	160	345	212	45.0	22.4
(WY)	1999	1999	2000	1999	2000	2000	2000	2000	1999	1999	1999	1999
MIN	8.21	5.46	3.27	2.01	1.86	1.73	4.23	95.9	332	116	26.0	11.0
(WY)	2000	2000	1999	2000	1999	1999	1999	1999	2000	2000	2000	2000

06187915 SODA BUTTE CREEK AT PARK BOUNDARY, AT SILVER GATE, MT--Continued
(National Water-Quality Assessment Program)

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1999 - 2000	
ANNUAL TOTAL	22798.6		20777.0		--	
ANNUAL MEAN	62.5		56.8		59.8	
HIGHEST ANNUAL MEAN	--		--		62.9	1999
LOWEST ANNUAL MEAN			--		56.8	2000
HIGHEST DAILY MEAN	587	Jun 18	610	Jun 7	610	Jun 7 2000
LOWEST DAILY MEAN	1.5	Jan 25	1.4	Mar 17	1.0	Dec 21 1998
ANNUAL SEVEN-DAY MINIMUM	1.5	Mar 6	1.5	Mar 17	1.5	Mar 17 2000
INSTANTANEOUS PEAK FLOW	--		792	Jun 7	846	Jun 19 1999
INSTANTANEOUS PEAK STAGE	--		3.37	Jun 7	3.41	Jun 19 1999
ANNUAL RUNOFF (AC-FT)	45220		41210		43330	
ANNUAL RUNOFF (CFSM)	2.00		1.82		1.92	
ANNUAL RUNOFF (INCHES)	27.18		24.77		26.05	
10 PERCENT EXCEEDS	264		238		244	
50 PERCENT EXCEEDS	7.0		7.9		8.7	
90 PERCENT EXCEEDS	1.8		2.0		1.8	

e Estimated.



NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

YELLOWSTONE RIVER BASIN
Fixed Station Network

06187915 SODA BUTTE CREEK AT YNP BOUNDARY, NEAR SILVER GATE, MT (LAT 45 00 10 LONG 110 00 04)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)
OCT												
06...	0830	9.8	--	--	11.6	8.1	119	.5	2.0	100	28.9	27.7
NOV												
02...	1230	6.8	582	107	11.9	8.2	342	8.0	.0	110	32.0	33.6
DEC												
16...	0900	4.3	579	104	11.5	8.0	234	.0	.0	110	32.5	33.8
JAN												
12...	1600	2.1	577	102	11.2	8.1	235	.0	.0	110	32.1	33.1
FEB												
08...	1300	2.1	582	114	12.7	8.0	238	7.0	.0	120	35.9	32.9
MAR												
14...	1630	1.8	573	118	12.6	7.9	234	1.0	1.0	110	31.8	32.4
APR												
10...	1300	3.3	580	122	12.1	8.1	218	11.0	4.0	100	28.9	30.8
MAY												
16...	0800	49	575	109	9.4	8.2	163	8.0	9.5	84	24.4	24.3
25...	1300	318	576	111	10.3	7.8	104	17.0	6.5	46	13.5	14.8
JUN												
07...	1700	632	579	--	--	7.7	146	--	--	33	9.52	14.3
27...	1100	241	583	126	11.9	7.9	126	16.0	6.0	40	11.6	12.2
JUL												
11...	1130	112	583	108	9.5	8.1	133	21.0	9.0	49	14.1	13.9
AUG												
15...	1200	24	583	121	10.8	8.4	185	21.0	8.5	82	23.5	23.7
SEP												
27...	1130	7.8	588	101	10.5	7.4	204	12.0	3.0	99	28.8	28.6

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA) (00929)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT											
06...	6.71	6.66	.4	.5	.2	3.8	3.8	--	--	--	E.2
NOV											
02...	7.28	7.66	.5	.6	.2	4.0	4.1	114	139	--	.5
DEC											
16...	7.47	7.63	.5	.5	.2	3.9	3.7	115	141	--	.6
JAN											
12...	7.29	7.57	.5	.5	.2	3.8	4.0	110	134	--	E.3
FEB											
08...	7.92	7.57	.5	.5	.2	4.0	4.1	123	150	--	.6
MAR											
14...	7.17	7.37	.5	.5	.2	4.2	4.4	113	138	--	<.3
APR											
10...	6.74	7.37	.6	.4	.2	4.4	4.7	108	124	4	.3
MAY											
16...	5.66	6.34	.4	.4	.2	3.4	3.4	82	100	--	E.2
25...	3.08	4.87	.3	.6	.2	3.1	3.6	50	61	--	E.3
JUN											
07...	2.15	6.08	E.2	1.4	.2	2.8	3.2	36	44	--	E.2
27...	2.66	3.12	E.2	.3	.2	3.1	3.2	45	54	--	<.3
JUL											
11...	3.37	3.52	.3	.3	.2	3.5	3.5	54	66	--	E.2
AUG											
15...	5.65	5.89	.4	.5	.2	3.8	3.8	83	102	--	E.2
SEP											
27...	6.65	6.98	.4	.4	.2	3.9	4.0	100	122	--	.4

E Estimated.

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

06187915 SODA BUTTE CREEK AT YNP BOUNDARY, NEAR SILVER GATE, MT (LAT 45 00 10 LONG 110 00 04)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT											
06...	<.1	10.1	8.3	.20	E.10	<.020	<.050	<.010	.022	.026	.138
NOV											
02...	<.1	10.6	9.2	<.10	E.10	<.020	<.050	<.010	.023	.019	.033
DEC											
16...	<.1	10.5	9.7	<.10	<.10	<.020	.113	<.010	.022	.025	.025
JAN											
12...	.1	10.4	11.0	<.10	<.10	<.020	.191	<.010	.027	.027	.030
FEB											
08...	<.1	11.2	9.4	<.10	<.10	<.020	.133	<.010	.028	.023	.028
MAR											
14...	<.1	10.5	9.3	<.10	E.10	<.020	.074	<.010	.023	.018	.026
APR											
10...	<.1	10.2	9.1	E.10	.20	<.020	.054	<.010	.026	.024	.038
MAY											
16...	<.1	9.6	9.2	<.10	E.10	<.020	<.050	<.010	.016	.014	.026
25...	<.1	9.4	4.3	E.10	.13	<.020	<.050	<.010	.032	.027	.097
JUN											
07...	<.1	8.8	3.1	<.10	.22	<.020	<.050	<.010	.034	.022	.286
27...	<.1	9.5	4.2	<.10	E.10	<.020	<.050	<.010	.036	.030	.049
JUL											
11...	<.1	10.3	4.1	<.10	E.10	<.020	<.050	<.010	.039	.032	.050
AUG											
15...	<.1	10.6	6.7	E.10	E.10	<.020	<.050	<.010	.029	.027	.035
SEP											
27...	<.1	10.4	8.5	<.10	<.10	<.020	<.050	<.010	.022	.023	.030

DATE	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TUR-BID-ITY (NTU) (00076)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)
OCT											
06...	1.5	<.2	--	--	119	--	--	--	--	1	106
NOV											
02...	.86	.2	.18	2.41	131	133	--	--	--	<1	85
DEC											
16...	.62	<.2	.18	1.56	136	135	--	--	--	<1	E22
JAN											
12...	.78	<.2	--	--	137	--	--	--	--	<1	73
FEB											
08...	.64	<.2	.19	.77	138	144	--	--	--	2	30
MAR											
14...	.88	<.2	--	--	135	--	1.0	--	--	<1	E20
APR											
10...	1.3	<.2	.18	1.19	133	126	1.6	--	--	12	81
MAY											
16...	1.4	<.2	--	--	109	--	3.3	--	--	<9	212
25...	2.3	1.0	--	--	71	--	16	--	--	<18	1560
JUN											
07...	1.6	.5	--	--	50	--	55	--	--	12	3880
27...	1.2	<.2	--	--	62	--	3.0	93	110	6	283
JUL											
11...	.84	<.2	--	--	69	--	2.0	<1	<1	11	185
AUG											
15...	.82	.2	--	--	105	--	2.0	K4	K8	3	108
SEP											
27...	1.6	<.2	.16	2.49	118	119	2.0	K7	K6	3	75

E Estimated.
K Results based on colony count outside the acceptable range (non-ideal colony count).

06187915 SODA BUTTE CREEK AT YNP BOUNDARY, NEAR SILVER GATE, MT (LAT 45 00 10 LONG 110 00 04)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)
OCT											
06...	<1	<1.0	<2.0	<3	20	18.1	<1	<5	--	<1.0	<.1
NOV											
02...	<1	<1.0	<2.0	<3	19	20.0	<1	<5	--	<1.0	<.1
DEC											
16...	<1	<1.0	<2.0	<3	20	19.0	<1	<5	--	<1.0	<.1
JAN											
12...	<1	<1.0	<2.0	<3	20	19.1	<1	<5	--	<1.0	<.1
FEB											
08...	<1	<1.0	<2.0	<3	19	18.5	<1	<5	--	<1.0	<.1
MAR											
14...	<1	<1.0	1.0	<3	17	15.9	<1	<5	E7	<1.0	<.1
APR											
10...	<1	<1.0	E.6	<3	16	15.3	<1	<5	E9	<1.0	<.1
MAY											
16...	<1	<1.0	<.9	<3	18	19.2	<1	<5	E9	<1.0	<.1
25...	<1	<1.0	E.5	<3	9	29.5	<1	<5	E9	<1.0	<.1
JUN											
07...	<1	<1.0	E.5	E2	6	63.0	<1	<5	<12	<1.0	<.1
27...	<1	<1.0	<.9	<3	8	12.0	<1	<5	<12	<1.0	<.1
JUL											
11...	<1	<1.0	E.5	<3	12	11.7	<1	<5	<12	<1.0	<.1
AUG											
15...	<1	<1.0	E.6	<3	15	16.8	<1	<5	E6	<1.0	<.1
SEP											
27...	<1	<1.0	E.6	<3	17	17.9	<1	<5	<12	<1.0	<.1

DATE	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, DISSOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LITHIUM DISSOLVED (UG/L AS LI) (01130)
OCT											
06...	<.8	<1	<1	E1	<1	<20	<10	130	<1	<1	--
NOV											
02...	<.8	<1	<1	E1	<1	<20	<10	150	<1	<1	--
DEC											
16...	<.8	<1	<1	<2	<1	<20	<10	60	<1	<1	--
JAN											
12...	<.8	<1	<1	<2	<1	<20	<10	100	<1	<1	--
FEB											
08...	<.8	<1	<1	<2	<1	<20	<10	50	<1	<1	--
MAR											
14...	<1.0	<1	<1	<2	<1	<20	<10	60	<1	<1	.9
APR											
10...	<.8	<1	<1	<2	<1	<20	E10	220	<1	<1	1.1
MAY											
16...	<.8	<1	<1	<2	1	<20	10	440	<1	<1	.8
25...	<.8	2	<1	E1	3	E13	10	1970	<1	3	.4
JUN											
07...	<.8	4	<1	4	2	21	E10	5200	<1	8	E.3
27...	<.8	E1	<1	<2	1	<20	10	410	<1	E1	<.3
JUL											
11...	<.8	<1	<1	<2	<1	<20	<10	300	<1	<1	.4
AUG											
15...	<.8	<1	<1	E1	<1	<20	<10	220	<1	<1	.8
SEP											
27...	<.8	E1	<1	<2	3	<20	<10	200	<1	<1	.9

E Estimated.

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

06187915 SODA BUTTE CREEK AT YNP BOUNDARY, NEAR SILVER GATE, MT (LAT 45 00 10 LONG 110 00 04)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)
OCT											
06...	<7.0	2	3	<.1	<.1	1	<1	<1	<2	<2.4	<3
NOV											
02...	<7.0	3	6	<.2	<.3	1	1	<1	<2	<2.4	<3
DEC											
16...	<7.0	1	E2	<.2	<.3	1	2	<1	<2	<2.4	<3
JAN											
12...	<7.0	1	3	<.2	<.3	1	2	<1	<2	<2.4	<3
FEB											
08...	<7.0	1	<3	<.2	<.3	1	1	<1	<2	<2.4	<3
MAR											
14...	<7.0	<1	<3	<.2	<.3	1	<1	<1	<2	<.7	<3
APR											
10...	<7.0	2	E3	<.2	<.3	1	<1	1	<2	<.7	<3
MAY											
16...	<7.0	3	6	<.2	<.3	<1	<1	<1	E1	<.7	<3
25...	<7.0	2	58	<.2	<.3	<1	<1	<1	5	<.7	<3
JUN											
07...	<7.0	2	155	<.2	<.3	<1	<1	<1	11	<.7	<3
27...	<7.0	1	9	<.2	<.3	<1	1	<1	<2	<.7	<3
JUL											
11...	<7.0	2	6	<.2	<.3	<1	1	1	<2	<.7	<3
AUG											
15...	<7.0	2	5	<.2	<.3	<1	2	<1	<2	<.7	<3
SEP											
27...	<7.0	2	5	<.2	<.3	1	1	<1	<2	<.7	<3

DATE	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082)	THAL-LIUM, DIS-SOLVED (UG/L AS TL) (01057)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT											
06...	<1	<1	--	106	--	--	<1	<31	<1	1	.03
NOV											
02...	<1	<1	--	128	--	--	<1	<31	<1	3	.06
DEC											
16...	<1	<1	--	130	--	--	<1	<31	<1	1	.01
JAN											
12...	<1	<1	--	133	--	--	<1	<31	<1	4	.02
FEB											
08...	<1	<1	--	132	--	--	2	<31	<1	3	.02
MAR											
14...	<1	<1	131	129	<.9	<1	1	<31	<1	1	.00
APR											
10...	<1	<1	128	124	<.9	2	2	<31	<1	4	.04
MAY											
16...	<1	<1	99.3	91.1	<.9	2	<4	<31	<1	5	.66
25...	<1	<1	50.0	60.2	<.9	2	<3	<31	<1	70	60
JUN											
07...	<1	<1	38.3	63.9	<.9	2	<1	E26	<1	300	512
27...	<1	<1	42.8	46.6	<.9	2	3	<31	<1	10	6.5
JUL											
11...	<1	<1	55.5	52.4	<.9	3	2	<31	<1	5	1.5
AUG											
15...	<1	<1	83.9	90.1	<.9	3	2	<31	<1	7	.46
SEP											
27...	<1	<1	107	111	<.9	2	2	<31	<1	--	--

E Estimated.

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

YELLOWSTONE RIVER BASIN
Fixed Station Network

06191500 YELLOWSTONE RIVER AT CORWIN SPRINGS, MT (LAT 45 06 43 LONG 110 47 37)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT											
05...	1145	1690	--	--	10.6	8.4	206	18.0	8.0	54	14.1
NOV											
03...	0900	1250	635	109	11.9	8.2	232	11.0	4.0	60	15.4
DEC											
16...	1500	925	634	109	12.4	8.2	271	.0	2.5	68	17.5
JAN											
13...	0930	780	637	103	12.4	8.1	291	.0	.5	77	20.5
FEB											
09...	0900	976	630	112	12.1	7.6	283	3.0	4.0	71	18.7
MAR											
15...	0900	991	632	111	12.1	8.4	273	8.0	4.0	68	17.7
APR											
11...	1000	1220	636	104	10.5	8.1	252	6.0	7.0	66	17.0
MAY											
15...	1300	4080	629	97	7.6	7.8	117	18.0	18.0	44	11.2
25...	1800	12800	625	112	11.0	7.5	85	19.0	7.5	29	7.44
JUN											
08...	1100	13600	624	--	--	7.3	79	22.0	8.0	25	6.48
27...	0700	7620	635	104	9.1	7.5	120	15.0	13.0	31	7.81
JUL											
11...	0800	4400	634	105	8.8	7.9	144	16.0	15.0	34	8.58
AUG											
15...	0830	1960	637	118	9.6	8.3	185	17.0	16.5	46	11.6
SEP											
27...	0800	1210	640	94	9.0	7.2	242	.0	9.5	57	15.1

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT											
05...	4.68	3.6	.9	16.1	56	68	--	9.8	.8	22.0	25.0
NOV											
03...	5.14	4.2	1	19.9	62	76	--	13.4	.9	25.2	30.5
DEC											
16...	5.91	4.7	1	22.4	75	87	2	13.6	1.0	28.5	37.8
JAN											
13...	6.23	5.2	1	22.8	--	102	--	13.6	1.0	28.3	42.9
FEB											
09...	6.01	5.3	1	22.5	69	84	--	13.8	1.1	30.2	38.2
MAR											
15...	5.80	5.5	1	23.9	71	86	--	13.5	1.1	29.5	37.6
APR											
11...	5.67	4.8	1	20.3	71	87	--	10.7	.8	27.0	32.8
MAY											
15...	3.75	2.2	.7	9.9	48	58	--	5.5	.5	18.9	13.7
25...	2.48	1.3	.4	4.8	31	38	--	2.1	.2	15.1	6.1
JUN											
08...	2.20	1.2	.5	5.3	30	37	--	2.2	.2	13.6	5.7
27...	2.78	1.8	.6	8.0	36	44	--	4.6	.4	14.8	9.4
JUL											
11...	3.08	2.1	.7	9.9	43	52	--	6.0	.5	15.6	12.7
AUG											
15...	4.02	2.8	.9	14.3	51	63	--	7.8	.7	18.4	19.6
SEP											
27...	4.82	4.3	1	18.6	64	78	--	11.6	.9	22.4	31.0

E Estimated.

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

06191500 YELLOWSTONE RIVER AT CORWIN SPRINGS, MT (LAT 45 06 43 LONG 110 47 37)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
OCT											
05...	.42	.16	.032	.092	.012	.010	.030	.016	1.7	<.2	.19
NOV											
03...	.13	.17	.065	.122	<.010	.009	<.010	.019	1.7	.3	.21
DEC											
16...	.23	.26	.156	.168	.010	.013	.020	.023	1.5	<.2	.25
JAN											
13...	.38	.31	.233	.332	.010	.014	.016	.023	1.4	.4	.26
FEB											
09...	.17	.24	.144	.229	.010	.015	.015	.026	1.4	.2	.26
MAR											
15...	.23	.26	.120	.256	.011	.015	<.010	.026	1.7	--	.25
APR											
11...	.17	.26	.059	.190	.012	.017	.015	.036	2.3	.3	.25
MAY											
15...	.12	.25	.044	<.050	<.010	.019	.015	.046	3.3	.2	.14
25...	.19	.41	.022	<.050	<.010	.027	.021	.307	4.1	1.8	.09
JUN											
08...	E.10	.30	.022	<.050	<.010	.026	.012	.192	2.5	1.2	.08
27...	E.10	.16	<.020	<.050	<.010	.020	.014	.044	2.0	.3	.10
JUL											
11...	E.10	.17	<.020	.063	<.010	.016	.023	.030	1.8	.5	.12
AUG											
15...	.11	.15	<.020	.102	.010	.012	<.010	.021	1.8	.4	.16
SEP											
27...	.11	.14	<.020	.162	.014	.011	<.010	.017	.92	.2	.21

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TUR-BID-ITY (NTU) (00076)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT											
05...	639	140	130	--	--	--	20	3	--	2	9.1
NOV											
03...	526	156	153	--	--	--	30	6	<.2	3	10
DEC											
16...	465	186	178	--	--	--	40	12	--	3	7.5
JAN											
13...	409	194	193	--	--	--	40	17	--	2	4.2
FEB											
09...	501	190	179	2.0	--	--	50	16	--	5	13
MAR											
15...	500	187	178	2.0	--	--	50	13	--	4	11
APR											
11...	600	182	163	4.6	--	--	50	12	--	8	26
MAY											
15...	1150	104	94	6.1	--	--	30	7	--	17	187
25...	2380	69	58	60	--	--	40	9	--	362	12500
JUN											
08...	2090	57	55	38	--	--	20	3	--	234	8590
27...	1560	76	71	6.0	K7	K5	10	3	--	24	494
JUL											
11...	1030	87	84	3.0	K9	K6	10	E2	--	10	119
AUG											
15...	635	120	111	3.0	K70	K4	20	3	--	4	21
SEP											
27...	516	158	147	1.9	K12	K4	40	4	--	--	--

E Estimated.
K Results based on colony count outside the acceptable range (non-ideal colony count).

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

YELLOWSTONE RIVER BASIN
Fixed Station Network

06208500 CLARKS FORK YELLOWSTONE RIVER AT EDGAR, MT (LAT 45 27 58 LONG 108 50 35)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT											
04...	1330	532	--	--	13.5	8.3	675	23.0	9.0	270	69.9
NOV											
03...	1415	455	670	116	12.9	8.1	682	19.0	5.0	300	78.7
DEC											
15...	0915	471	672	103	13.2	8.2	683	.0	.0	290	78.3
JAN											
19...	1000	487	678	111	14.0	7.8	636	-3.0	1.0	270	72.1
FEB											
09...	1430	410	666	114	12.2	8.2	685	16.0	6.5	300	81.3
MAR											
14...	0915	354	666	109	12.3	8.2	716	8.0	4.5	290	77.0
APR											
12...	1100	385	672	100	9.8	8.1	570	21.0	10.5	240	64.4
MAY											
02...	1200	1050	665	105	9.6	8.3	281	22.0	13.0	110	30.0
18...	1030	2370	676	98	9.9	7.9	412	15.0	9.5	77	21.9
26...	1100	5220	666	98	9.8	7.8	117	13.0	9.5	47	13.7
JUN											
23...	0930	2330	670	101	8.9	8.2	213	19.0	15.0	81	22.0
JUL											
10...	1030	1310	690	102	8.7	8.4	292	22.0	18.0	110	29.4
AUG											
14...	0900	262	666	133	10.8	8.4	771	22.0	19.0	280	67.8
SEP											
26...	1315	492	675	101	9.8	7.8	737	21.0	11.0	300	78.3

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT											
04...	23.5	2.3	1	36.4	--	--	--	3.0	.3	8.8	158
NOV											
03...	25.1	2.3	.9	35.0	200	234	5	2.4	.3	9.0	172
DEC											
15...	22.6	1.9	.8	29.9	174	207	2	2.3	.3	11.0	169
JAN											
19...	21.7	1.6	.7	28.1	169	206	--	2.0	.3	9.6	157
FEB											
09...	23.9	2.0	.8	31.5	177	215	--	3.1	.3	9.7	181
MAR											
14...	23.0	2.0	.9	34.1	183	223	--	3.6	.3	10.0	194
APR											
12...	19.1	1.7	.7	23.6	158	193	--	1.9	.3	8.0	143
MAY											
02...	8.29	.9	.5	11.0	82	100	--	.8	.2	11.0	49.6
18...	5.50	3.6	2	48.9	90	109	--	3.1	.3	8.1	98.3
26...	3.17	.5	.3	4.8	46	56	--	.5	<.1	8.4	10.6
JUN											
23...	6.30	.8	.5	9.5	69	84	--	.7	.1	7.9	32.9
JUL											
10...	9.07	1.2	.6	13.8	91	111	--	1.0	.1	4.8	50.9
AUG											
14...	26.4	2.7	1	47.2	210	248	4	3.2	.4	6.3	197
SEP											
26...	25.0	2.9	1	43.0	225	275	--	4.3	.3	8.5	182

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

06208500 CLARKS FORK YELLOWSTONE RIVER AT EDGAR, MT (LAT 45 27 58 LONG 108 50 35)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
OCT											
04...	.14	.24	<.020	.768	<.010	E.004	.011	.018	1.9	.3	.58
NOV											
03...	.10	.21	<.020	.727	<.010	<.006	<.010	.011	1.9	.6	.59
DEC											
15...	E.10	.14	<.020	.803	<.010	E.003	<.010	.011	1.3	.3	.61
JAN											
19...	.10	.22	<.020	.757	<.010	E.005	<.010	.040	1.3	.8	.57
FEB											
09...	E.10	.26	.021	.679	<.010	E.005	<.010	.038	1.5	.8	.62
MAR											
14...	.14	.41	<.020	.743	<.010	<.006	<.010	.094	1.6	1.6	.66
APR											
12...	.14	.35	<.020	.330	<.010	E.003	<.010	.048	2.3	.6	.52
MAY											
02...	.14	.67	.023	.211	<.010	.025	.021	.231	3.6	1.8	.23
18...	.28	8.2	.057	.435	.013	.023	<.010	5.74	3.2	4.2	.34
26...	.17	.70	.021	.091	<.010	.035	.032	.688	3.2	4.6	.11
JUN											
23...	E.10	.22	<.020	.177	<.010	.020	.018	.151	1.8	.9	.18
JUL											
10...	.10	.31	<.020	.070	<.010	.008	<.010	.083	1.9	.6	.24
AUG											
14...	.27	.43	<.020	.581	.012	.013	<.010	.059	3.0	.5	.69
SEP											
26...	.16	.46	<.020	.880	<.010	E.003	<.010	.111	2.3	1.2	.68

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TUR-BID-ITY (NTU) (00076)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT										
04...	608	423	432	--	--	--	<10	4	40	57
NOV										
03...	533	434	448	--	--	--	<10	8	30	37
DEC										
15...	570	448	423	--	--	--	<10	9	15	19
JAN										
19...	552	420	397	--	--	--	<10	11	83	109
FEB										
09...	508	459	441	19	--	--	<10	20	70	77
MAR										
14...	461	482	457	100	--	--	<10	15	111	106
APR										
12...	395	380	358	21	--	--	<10	15	45	47
MAY										
02...	482	170	162	--	--	--	E10	4	203	576
18...	1620	253	245	--	--	--	E10	5	8830	56500
26...	1130	80	70	--	--	--	10	3	735	10400
JUN										
23...	837	133	122	480	--	K8	<10	4	127	799
JUL										
10...	630	178	165	21	320	310	<10	4	64	226
AUG										
14...	361	511	480	30	--	130	<10	18	48	34
SEP										
26...	660	497	483	48	K170	230	<10	12	--	--

E Estimated.
K Results based on colony count outside the acceptable range (non-ideal colony count).

06208500 CLARKS FORK YELLOWSTONE RIVER AT EDGAR, MT (LAT 45 27 58 LONG 108 50 35)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)
NOV									
03...	1415	<1	<1	<2.0	50	<1	<1.0	<.8	<1

DATE	COPPER, DISSOLVED (UG/L AS CU) (01040)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MERCURY DISSOLVED (UG/L AS HG) (71890)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)
NOV									
03...	1	<1	<.2	1	<1	E1.5	<1	<1	5

DATE	TIME	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DISSOLVED (UG/L) (34253)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)
OCT												
04...	1330	<.003	<.002	<.002	<.002	.005	<.002	<.002	<.003	<.003	<.004	<.004
NOV												
03...	1415	<.003	<.002	<.002	<.002	E.003	<.002	<.002	<.003	<.003	<.004	<.004
DEC												
15...	0915	<.003	<.002	<.002	<.002	E.003	<.002	<.002	<.003	<.003	<.004	<.004

DATE	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DISSOLVED (UG/L) (39341)	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALATHION, DISSOLVED (UG/L) (39532)
OCT												
04...	<.002	E.005	<.002	<.001	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005
NOV												
03...	<.002	<.002	<.002	<.001	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005
DEC												
15...	<.002	<.002	<.002	<.001	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005

DATE	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARATHION, DISSOLVED (UG/L) (39542)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PERMETHRINCIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)
OCT												
04...	<.001	<.006	<.002	<.004	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002
NOV												
03...	<.001	<.006	<.002	<.004	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002
DEC												
15...	<.001	<.006	<.002	<.004	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002

DATE	PROMETON, WATER, DISS, REC (UG/L) (04037)	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPACHLOR, WATER, DISS, REC (UG/L) (04024)	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
OCT												
04...	<.018	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.002	<.002
NOV												
03...	<.018	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	E.001
DEC												
15...	<.018	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002

E Estimated.

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

YELLOWSTONE RIVER BASIN
Fixed Station Network

06214500 YELLOWSTONE RIVER AT BILLINGS, MT (LAT 45 48 00 LONG 108 28 00)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT											
08...	0900	3770	--	--	9.4	8.3	352	6.0	11.0	130	32.3
NOV											
01...	1230	3280	--	--	12.5	8.5	375	7.0	6.5	150	37.1
DEC											
14...	1430	2900	680	113	14.6	8.0	403	.0	.5	150	39.5
JAN											
20...	1400	2700	681	111	14.2	8.0	392	2.0	.5	140	36.2
FEB											
07...	1430	2490	691	--	--	8.4	381	13.0	2.5	130	34.8
MAR											
13...	1315	2380	683	--	--	8.4	396	10.0	5.5	140	35.3
APR											
05...	1100	2130	680	124	12.1	7.6	388	11.0	11.5	140	35.2
MAY											
03...	1100	8610	679	102	9.5	7.9	194	20.0	13.5	72	19.3
19...	1200	10100	684	101	9.4	8.2	220	18.0	13.5	70	19.5
30...	0930	30500	682	102	10.4	7.9	108	12.0	9.5	39	10.7
JUN											
09...	1000	26300	671	106	9.6	8.2	110	24.0	14.0	39	10.7
23...	1300	15300	678	100	8.7	8.2	157	25.0	16.0	54	14.3
JUL											
10...	1300	8640	680	136	10.6	8.4	191	24.0	22.0	65	17.0
AUG											
14...	1230	2690	650	127	9.3	8.8	339	27.0	22.5	120	28.6
SEP											
26...	1000	3490	685	97	9.9	7.5	416	9.5	9.5	160	40.1

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT											
08...	11.0	2.7	.7	19.1	113	138	--	6.3	.5	12.4	55.6
NOV											
01...	12.7	2.9	.8	22.9	121	148	--	7.1	.5	14.6	59.1
DEC											
14...	12.4	3.1	.8	21.6	116	142	--	7.7	.5	17.8	64.7
JAN											
20...	11.8	3.0	.8	21.4	118	144	--	7.3	.6	16.3	62.0
FEB											
07...	11.5	3.0	.7	19.6	--	--	--	7.2	.6	16.2	62.5
MAR											
13...	11.8	3.4	.8	22.7	118	144	--	7.1	.5	14.4	66.8
APR											
05...	11.8	3.3	.8	21.7	121	148	--	7.6	.6	13.2	67.4
MAY											
03...	5.91	1.9	.5	10.0	67	82	--	3.2	.3	15.1	22.9
19...	5.23	2.3	.8	14.8	73	89	--	3.9	.3	14.0	27.2
30...	2.98	1.2	.3	4.4	42	52	--	1.5	.2	11.4	9.0
JUN											
09...	2.95	1.0	.3	4.8	40	49	--	1.4	.2	10.4	8.3
23...	4.48	1.5	.5	7.6	54	66	--	2.7	.3	12.0	15.8
JUL											
10...	5.57	1.6	.5	10.0	70	85	1	3.9	.3	10.7	23.1
AUG											
14...	11.1	2.8	.8	20.6	86	95	5	6.0	.5	8.9	54.5
SEP											
26...	13.7	3.1	.8	23.9	139	170	--	6.5	.4	13.4	67.0

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

06214500 YELLOWSTONE RIVER AT BILLINGS, MT (LAT 45 48 00 LONG 108 28 00)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
OCT											
08...	.16	.18	<.020	.134	<.010	E.003	<.010	.011	2.1	.3	.29
NOV											
01...	.14	.18	<.020	.123	<.010	<.006	<.010	.011	1.8	.2	.32
DEC											
14...	.10	.32	<.020	.395	<.010	.008	.012	.018	1.4	.3	.35
JAN											
20...	E.10	.17	<.020	.321	<.010	E.004	<.010	.016	1.4	.5	.33
FEB											
07...	.12	.24	<.020	.314	<.010	E.005	<.010	.029	1.6	.5	.32
MAR											
13...	.22	.20	<.020	.179	<.010	E.005	<.010	.025	1.9	.6	.34
APR											
05...	.16	.28	<.020	.094	<.010	E.005	<.010	.032	2.0	.6	.31
MAY											
03...	.21	.57	.033	.144	<.010	.022	.018	.192	3.8	1.5	.17
19...	.19	1.3	.037	.162	<.010	.018	.012	.730	3.8	4.7	.20
30...	.12	.96	<.020	.076	<.010	.025	.022	.752	3.3	4.0	.10
JUN											
09...	E.10	.39	<.020	.088	<.010	.024	.016	.296	2.3	1.8	.10
23...	.12	.21	<.020	.068	<.010	.016	.018	.071	2.3	1.2	.14
JUL											
10...	E.10	.22	<.020	<.050	<.010	.007	<.010	.045	1.9	.9	.17
AUG											
14...	.18	.29	<.020	<.050	<.010	.009	<.010	.028	2.5	.4	.27
SEP											
26...	.12	.35	<.020	.226	<.010	<.006	<.010	.050	1.9	.8	.35

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TUR-BID-ITY (NTU) (00076)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT											
08...	2180	214	208	--	--	--	<10	3	--	5	51
NOV											
01...	2050	232	230	--	--	--	E10	3	<.2	3	27
DEC											
14...	2000	255	239	--	--	--	E10	4	--	7	55
JAN											
20...	1790	246	231	--	--	--	10	4	--	28	204
FEB											
07...	1580	235	228	8.0	--	--	E10	6	--	16	108
MAR											
13...	1620	251	234	7.0	--	--	10	11	--	12	77
APR											
05...	1300	226	234	6.0	--	--	10	12	--	1	5.8
MAY											
03...	2930	126	119	--	--	--	20	3	--	147	3420
19...	3930	144	132	--	--	--	E10	<2	--	1020	27900
30...	6010	73	67	--	--	--	20	4	--	674	55500
JUN											
09...	5040	71	65	73	--	--	10	E1	--	264	18700
23...	4210	102	92	18	--	K57	E10	3	--	58	2400
JUL											
10...	2920	125	114	12	30	K52	<10	E2	--	28	653
AUG											
14...	1470	202	185	6.0	--	40	<10	4	--	9	65
SEP											
26...	2460	261	253	15	110	71	E10	4	--	--	--

E Estimated.
K Results based on colony count outside the acceptable range (non-ideal colony count).

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

06214500 YELLOWSTONE RIVER AT BILLINGS, MT (LAT 45 48 00 LONG 108 28 00)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)
OCT												
08...	0900	<.003	<.002	<.002	<.002	.005	<.002	<.002	<.003	<.003	<.004	<.004
NOV												
01...	1230	<.003	<.002	<.002	<.002	E.003	<.002	<.002	<.003	<.003	<.004	<.004
DEC												
14...	1430	<.003	<.002	<.002	<.002	<.005	<.002	<.002	<.003	E.013	<.004	<.004

DATE	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)
OCT											
08...	<.002	E.004	<.002	<.001	<.017	<.002	<.004	<.003	<.003	<.004	<.002
NOV											
01...	<.002	<.002	<.002	<.001	<.017	<.002	<.004	<.003	<.003	<.004	<.002
DEC											
14...	<.002	<.002	<.002	<.001	<.017	<.002	<.004	<.003	<.003	<.004	<.002

DATE	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)
OCT											
08...	<.005	<.001	<.006	<.002	<.004	<.004	<.003	<.006	<.004	<.004	<.004
NOV											
01...	<.005	<.001	<.006	<.002	<.004	<.004	<.003	<.006	<.004	<.004	<.004
DEC											
14...	<.005	<.001	<.006	<.002	<.004	<.004	<.003	<.006	<.004	<.004	<.004

DATE	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
OCT											
08...	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013
NOV											
01...	<.005	<.002	E.003	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013
DEC											
14...	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013

DATE	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L) (34511)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,1-DI CHLORO-PRO-PENE, WAT, WH TOTAL (UG/L) (77168)	123-TRI CHLORO-PROPANE WATER WHOLE TOTAL (UG/L) (77443)	1,2-DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)
OCT											
08...	<.002	<.001	<.002	<.03	<.06	<.07	<.04	<.03	<.2	<.04	<.1
NOV											
01...	<.002	E.002	<.002	<.03	<.06	<.07	<.04	<.03	<.2	<.04	<.1
DEC											
14...	<.002	.004	<.002	<.03	<.06	<.07	<.04	<.03	<.2	<.04	<.1

E Estimated.

06214500 YELLOWSTONE RIVER AT BILLINGS, MT (LAT 45 48 00 LONG 108 28 00)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)	TRANS-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)	2,2-DI CHLORO-PRO-PANE WAT, WH TOTAL (UG/L) (77170)	2BUTENE TRANS-1 4-DI-CHLORO UNFLTRD RECOVER (UG/L) (73547)	2-HEXA-NONE WATER WHOLE TOTAL (UG/L) (77103)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	ACRYLO-NITRILE TOTAL (UG/L) (34215)	1,2,3-TRI-CHLORO BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 123-TRI METHYL-WATER UNFLTRD RECOVER (UG/L) (77221)	BENZENE 1,2,4-TRI-CHLORO-WAT UNF REC (UG/L) (34551)	BENZENE 124-TRI METHYL UNFILT RECOVER (UG/L) (77222)
OCT											
08...	<.07	<.03	<.05	<.7	<.7	<7	<1	<.3	<.1	<.2	<.06
NOV											
01...	<.07	<.03	<.05	<.7	<.7	<7	<1	<.3	<.1	<.2	<.06
DEC											
14...	<.07	<.03	<.05	<.7	<.7	<7	<1	<.3	<.1	<.2	<.06

DATE	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	ISO-PROPYL-BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	BENZENE SEC BUTYL-WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT-BUTYL-WATER UNFLTRD REC (UG/L) (77353)	BENZENE TOTAL (UG/L) (34030)	BROMO-BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)
OCT											
08...	<.04	<.05	<.05	<.03	<.2	<.04	<.05	<.03	<.06	<.04	<.04
NOV											
01...	<.04	<.05	<.05	<.03	<.2	<.04	<.05	<.03	<.06	<.04	<.04
DEC											
14...	<.04	<.05	<.05	<.03	<.2	<.04	<.05	<.03	<.06	E.01	<.04

DATE	BROMO-ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	BROMO-FORM TOTAL (UG/L) (32104)	CARBON DI-SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	CARBON TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-ETHANE TOTAL (UG/L) (34311)	CHLORO-FORM TOTAL (UG/L) (32106)	CIS-1,2-DI-CHLORO-ETHENE WATER TOTAL (UG/L) (77093)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34704)	DIBROMO CHLORO-PROPANE WATER WHOLE TOT.REC (UG/L) (82625)
OCT											
08...	<.1	<.06	<.07	<.06	<.03	<.2	<.1	<.05	<.04	<.09	<.2
NOV											
01...	<.1	<.06	<.07	<.06	<.03	<.2	<.1	<.05	<.04	<.09	<.2
DEC											
14...	<.1	<.06	<.07	<.06	<.03	<.2	<.1	<.05	<.04	<.09	<.2

DATE	DI-BROMO-METHANE WATER WHOLE RECOVER (UG/L) (30217)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	DI-ISO-PROPYL-ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	ETHANE, 1112-TETRA-CHLORO-WAT UNF REC (UG/L) (77562)	ETHANE, 1,1,2,2 TETRA-CHLORO-WAT UNF REC (UG/L) (34516)	ETHANE HEXA-CHLORO-WATER UNFLTRD RECOVER (UG/L) (34396)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT-BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)	ETHER TERT-PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	ETHYL-BENZENE TOTAL (UG/L) (34371)
OCT											
08...	<.05	<.05	<.3	<.1	<.03	<.09	<.2	<.2	<.05	<.1	<.03
NOV											
01...	<.05	<.05	<.3	<.1	<.03	<.09	<.2	<.2	<.05	<.1	<.03
DEC											
14...	<.05	<.05	<.3	<.1	<.03	<.09	<.2	<.2	<.05	<.1	<.03

DATE	FREON-113 WATER UNFLTRD REC (UG/L) (77652)	FURAN, TETRA-HYDRO-WATER UNFLTRD RECOVER (UG/L) (81607)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L) (39702)	ISO-DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	METHAC-RYLATE ETHYL-WATER UNFLTRD RECOVER (UG/L) (73570)	METHAC-RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	METH-ACRYLO-NITRITE WATER UNFLTRD RECOVER (UG/L) (81593)	METHANE BROMO CHLORO-WAT UNFLTRD REC (UG/L) (77297)	METHYL ACRY-LATE WATER UNFLTRD RECOVER (UG/L) (49991)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	METHYL TERT-BUTYL ETHER WAT UNF REC (UG/L) (78032)
OCT											
08...	<.06	<2	<.1	<.2	<.2	<.3	<.6	<.04	<1	<.1	<.2
NOV											
01...	<.06	<2	<.1	<.2	<.2	<.3	<.6	<.04	<1	<.1	<.2
DEC											
14...	<.06	<2	<.1	<.2	<.2	<.3	<.6	<.04	<1	<.1	<.2

E Estimated.

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

06214500 YELLOWSTONE RIVER AT BILLINGS, MT (LAT 45 48 00 LONG 108 28 00)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	METHYL-BROMIDE TOTAL (UG/L) (34413)	METHYL-CHLORIDE TOTAL (UG/L) (34418)	METHYL ENE CHLORIDE TOTAL (UG/L) (34423)	METHYL-ETHYL-KETONE WATER WHOLE TOTAL (UG/L) (81595)	METHYL ISO-BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)	META/PARA-XYLENE WATER UNFLTRD REC (UG/L) (85795)	NAPHTHALENE TOTAL (UG/L) (34696)	O-CHLORO-TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	O-XYLENE WATER WHOLE TOTAL (UG/L) (77135)	P-ISO-PROPYL-TOLUENE WATER WHOLE REC (UG/L) (77356)	1234-TETRA METHYL BENZENE UNFLTRD REC (UG/L) (49999)
OCT											
08...	<.3	<.5	<.4	<2	<.4	<.06	<.2	<.04	<.04	<.07	<.2
NOV											
01...	<.3	<.5	<.4	<2	<.4	<.06	<.2	<.04	<.04	<.07	<.2
DEC											
14...	<.3	<.5	<.4	<2	<.4	<.06	<.2	<.04	<.04	<.07	<.2

DATE	1,3-DI-CHLORO-PROPANE WAT. WH TOTAL (UG/L) (77173)	PROPENE 3-CHLORO-WATER UNFLTRD RECOVER (UG/L) (78109)	STYRENE TOTAL (UG/L) (77128)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	TOLUENE TOTAL (UG/L) (34010)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34699)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	VINYL CHLORIDE TOTAL (UG/L) (39175)
OCT											
08...	<.1	<.2	<.04	<.1	<.06	<.06	E.04	<.09	<.04	<.09	<.1
NOV											
01...	<.1	<.2	<.04	<.1	<.06	<.06	E.01	<.09	<.04	<.09	<.1
DEC											
14...	<.1	<.2	<.04	<.1	<.06	<.06	E.02	<.09	<.04	<.09	<.1

E Estimated.

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

YELLOWSTONE RIVER BASIN
Fixed Station Network

06279500 BIGHORN RIVER AT KANE, WY (44 45 31 LONG 108 10 51)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT											
26...	1400	1740	--	--	11.4	8.5	741	23.0	9.5	270	69.9
NOV											
29...	1430	1730	679	98	11.6	8.0	846	7.5	3.5	290	72.8
DEC											
21...	1340	1730	682	93	12.1	8.0	814	4.0	.0	290	72.2
JAN											
26...	0820	E1500	669	93	11.9	7.5	795	-7.0	.0	300	75.7
FEB											
28...	1445	1550	663	99	11.2	8.0	908	15.0	4.0	290	73.6
MAR											
21...	1345	1310	675	105	11.7	8.0	899	10.0	5.5	310	76.8
APR											
20...	1400	910	677	112	10.2	8.1	1010	21.5	14.0	320	78.9
MAY											
09...	1630	1860	660	114	10.1	8.0	636	18.0	14.0	200	53.5
19...	0855	2870	670	96	8.9	7.8	645	14.5	13.0	130	34.4
31...	0815	3710	663	111	9.9	7.3	368	17.0	14.0	120	33.0
JUN											
20...	1455	1550	668	100	8.4	7.7	796	20.5	17.0	260	66.8
JUL											
18...	1400	892	670	114	8.4	8.3	1000	33.0	24.0	320	86.0
AUG											
07...	1725	932	664	104	7.1	7.8	1030	31.5	27.5	310	81.2
15...	1245	742	672	151	11.7	8.0	938	32.0	21.5	280	70.5
SEP											
11...	1550	725	667	169	13.9	8.0	1070	23.0	18.0	350	89.6

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT											
26...	23.7	3.4	2	73.5	161	172	12	13.0	.4	7.2	255
NOV											
29...	25.5	3.7	2	71.0	168	203	--	14.8	.4	8.0	254
DEC											
21...	26.1	3.5	2	73.0	176	215	--	13.9	.3	9.1	244
JAN											
26...	26.8	3.7	2	72.1	185	226	--	15.8	.4	9.4	254
FEB											
28...	26.0	3.8	2	78.3	--	--	--	16.5	.4	8.5	285
MAR											
21...	27.5	3.5	2	75.9	174	212	--	15.6	.4	7.0	280
APR											
20...	29.0	4.7	2	86.6	189	231	--	16.4	.5	3.9	330
MAY											
09...	17.2	2.9	2	51.2	134	163	--	8.4	.3	7.0	184
19...	9.87	4.0	3	90.2	116	142	--	7.9	.5	7.9	177
31...	9.73	1.7	1	24.7	70	85	--	3.8	.1	6.7	91.7
JUN											
20...	21.4	3.1	2	64.5	174	212	--	9.3	.4	8.4	236
JUL											
18...	26.8	4.2	2	88.0	192	234	--	12.4	.5	8.1	307
AUG											
07...	25.3	5.1	2	92.9	--	--	--	13.3	.5	10.0	311
15...	25.2	3.5	2	85.6	175	214	--	13.5	.5	6.5	326
SEP											
11...	30.9	4.7	2	107	196	239	--	14.9	.1	7.9	343

E Estimated.

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

06279500 BIGHORN RIVER AT KANE, WY (44 45 31 LONG 108 10 51)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
OCT											
26...	.21	.29	<.020	.130	<.010	<.006	<.010	.019	3.5	.5	.77
NOV											
29...	.17	.35	<.020	.279	<.010	E.003	<.010	.021	3.4	.5	.79
DEC											
21...	.27	.30	<.020	.232	<.010	E.003	<.010	.028	3.4	.3	.78
JAN											
26...	.19	.23	.041	.336	<.010	.007	<.010	.015	2.9	.4	.81
FEB											
28...	.22	.50	.023	.299	<.010	.010	<.010	.146	3.1	1.1	.88
MAR											
21...	.20	.28	<.020	.189	<.010	E.004	<.010	.031	3.1	.2	.87
APR											
20...	.30	.51	<.020	.435	.026	.013	<.010	.073	4.5	.3	.91
MAY											
09...	.32	.96	.022	.589	.013	.025	.015	.301	4.4	2.2	.59
19...	.32	15	.039	1.09	.024	.026	.020	12.2	4.6	>10	.57
31...	.22	1.3	<.020	.248	<.010	.020	.017	.538	4.3	>5.0	.31
JUN											
20...	.27	.61	<.020	.633	<.010	.023	.014	.164	4.1	1.3	.74
JUL											
18...	.37	.80	<.020	1.03	.020	.011	.015	.191	4.9	2.3	.94
AUG											
07...	.43	1.6	.046	1.14	.016	.032	.022	--	4.9	4.9	.93
15...	.32	.65	<.020	.577	<.010	.007	<.010	.095	4.5	1.2	.94
SEP											
11...	.31	.57	<.020	.576	<.010	.009	<.010	.068	4.5	1.0	.99

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TUR-BID-ITY (NTU) (00076)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT										
26...	2660	567	543	--	--	--	<10	8	19	89
NOV										
29...	2720	582	551	--	--	--	<10	11	38	177
DEC										
21...	2660	570	549	--	--	--	<10	14	72	336
JAN										
26...	--	598	570	--	--	--	<10	6	12	--
FEB										
28...	2720	649	607	--	--	--	E10	23	223	933
MAR										
21...	2250	637	592	12	--	--	<10	21	62	219
APR										
20...	1640	--	665	34	--	--	40	19	67	165
MAY										
09...	2160	431	408	--	--	--	<10	3	314	1580
19...	3250	420	407	--	--	--	<10	<2	20100	156000
31...	2280	228	215	350	670	640	10	3	802	8030
JUN										
20...	2280	545	517	160	160	160	<10	3	192	804
JUL										
18...	1660	688	652	150	K120	170	<10	2	211	508
AUG										
07...	1720	684	666	1000	430	400	<10	<2	1040	2630
15...	1380	689	640	66	K24	K32	<10	5	113	226
SEP										
11...	1430	728	718	32	50	48	<10	10	77	151

E Estimated.
K Results based on colony count outside the acceptable range (non-ideal colony count).

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

06279500 BIGHORN RIVER AT KANE, WY (44 45 31 LONG 108 10 51)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)
OCT 26...	1400	3	<1	E1.3	50	<1	<1.0	<.8	<1

DATE	COPPER, DISSOLVED (UG/L AS CU) (01040)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MERCURY DISSOLVED (UG/L AS HG) (71890)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)
OCT 26...	2	<1	<.2	2	2	E1.3	<1	1	6

DATE	TIME	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DISSOLVED (UG/L) (34253)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)
OCT 26...	1400	<.003	<.002	<.002	<.002	.005	<.002	<.002	<.003	<.003	<.004	<.004
NOV 29...	1430	<.003	<.002	<.002	<.002	.006	<.002	<.002	<.003	<.003	<.004	<.004
DEC 21...	1340	<.003	<.002	<.002	<.002	.004	<.002	<.002	<.003	<.003	<.004	<.004

DATE	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DISSOLVED (UG/L) (39341)	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALATHION, DISSOLVED (UG/L) (39532)
OCT 26...	<.002	E.006	<.002	<.001	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005
NOV 29...	<.002	E.004	<.002	<.001	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005
DEC 21...	<.002	<.007	<.002	<.001	<.017	<.002	<.004	<.003	<.003	<.004	<.002	<.005

DATE	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARATHION, DISSOLVED (UG/L) (39542)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)
OCT 26...	<.001	<.006	<.002	<.004	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002
NOV 29...	<.001	<.006	<.002	<.004	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002
DEC 21...	<.001	<.006	<.002	<.004	<.004	<.003	<.006	<.004	<.004	<.004	<.005	<.002

DATE	PROMETON, WATER, DISS, REC (UG/L) (04037)	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPACHLOR, WATER, DISS, REC (UG/L) (04024)	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
OCT 26...	E.004	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
NOV 29...	<.018	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002
DEC 21...	E.003	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002

E Estimated.

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

YELLOWSTONE RIVER BASIN
Fixed Station Network

06295000 YELLOWSTONE RIVER AT FORSYTH, MT (LAT 46 15 58 LONG 106 41 24)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT												
07...	0930	7970	--	--	9.9	8.4	541	16.0	13.5	190	50.4	16.7
NOV												
08...	1130	7060	690	13	1.4	8.4	582	23.0	8.5	200	51.1	17.9
DEC												
02...	1030	6710	690	101	11.7	7.8	611	8.0	5.0	220	58.2	19.0
JAN												
10...	1230	5410	690	111	14.4	8.5	635	1.0	.5	210	52.9	18.9
FEB												
23...	1100	5010	692	122	14.7	8.3	640	12.0	3.5	220	56.4	19.3
MAR												
22...	1100	5170	700	100	11.4	8.5	651	17.0	6.0	230	56.3	20.4
APR												
06...	1300	4940	683	103	10.6	8.3	651	10.0	9.0	230	57.4	20.8
MAY												
24...	0900	16800	697	96	7.9	8.2	316	15.0	20.0	110	28.4	9.38
31...	1000	E32000	693	102	9.8	8.3	196	16.0	13.0	69	18.6	5.34
JUN												
10...	1100	30600	693	98	8.6	8.0	191	20.0	17.0	63	16.6	5.18
26...	1200	19900	702	120	10.2	8.3	267	19.0	19.0	91	23.1	8.01
JUL												
07...	1100	13800	694	105	8.2	8.6	309	24.0	22.5	110	26.5	9.52
AUG												
16...	1500	4550	700	119	9.5	8.9	636	27.5	22.0	190	46.5	18.3
SEP												
25...	1700	5870	698	--	--	8.3	635	18.0	10.0	220	53.3	20.5

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT												
07...	2.9	1	41.9	--	--	--	6.8	.4	9.2	131	.20	.34
NOV												
08...	2.7	1	41.7	148	175	3	7.4	.5	8.8	144	.14	.33
DEC												
02...	3.0	1	45.6	--	--	--	8.4	.5	11.7	159	.19	.25
JAN												
10...	3.1	1	44.6	144	171	2	8.5	.5	11.6	159	E.10	.19
FEB												
23...	3.5	1	46.7	151	172	6	8.4	.5	9.9	161	.17	.24
MAR												
22...	3.3	1	49.1	156	179	6	9.3	.5	9.5	175	.20	.29
APR												
06...	3.3	1	49.7	--	--	--	9.1	.5	8.0	173	.19	.36
MAY												
24...	2.2	.8	18.7	90	110	--	4.6	.3	13.0	60.5	.18	1.8
31...	1.5	.5	10.4	62	76	--	2.3	.2	10.6	29.4	.15	1.0
JUN												
10...	1.2	.6	10.8	58	71	--	2.7	.2	10.7	30.6	.20	.60
26...	1.6	.8	17.2	76	92	0	3.5	.3	10.5	49.9	.17	.30
JUL												
07...	2.0	.9	20.7	82	99	1	6.0	.3	7.5	64.6	.11	.31
AUG												
16...	3.5	2	48.2	118	134	5	8.4	.5	4.4	171	.24	.37
SEP												
25...	3.5	1	50.0	159	194	--	8.8	.5	7.3	160	.15	.35

E Estimated.

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

06295000 YELLOWSTONE RIVER AT FORSYTH, MT (LAT 46 15 58 LONG 106 41 24)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
OCT											
07...	<.020	.170	<.010	.006	<.010	.056	2.9	.3	.48	7600	353
NOV											
08...	<.020	.173	<.010	<.006	<.010	.024	2.6	.3	.51	7200	378
DEC											
02...	<.020	.346	<.010	E.004	<.010	.028	3.3	.3	.54	7170	396
JAN											
10...	<.020	.382	<.010	.006	<.010	.018	2.4	.3	.56	6060	415
FEB											
23...	.022	.327	<.010	.007	<.010	.023	2.6	.2	.57	5690	421
MAR											
22...	<.020	.218	<.010	.007	<.010	.019	2.7	.3	.59	6070	435
APR											
06...	<.020	.073	<.010	.006	<.010	.036	2.9	.4	.58	5740	430
MAY											
24...	.021	.158	<.010	.023	.018	.659	3.6	2.2	.27	8980	198
31...	.025	.183	<.010	.021	.018	.590	3.1	2.4	.18	--	129
JUN											
10...	<.020	.105	<.010	.023	.018	.281	2.5	1.9	.17	10500	127
26...	<.020	.071	<.010	.014	<.010	.090	2.4	.6	.22	8810	164
JUL											
07...	<.020	<.050	<.010	.006	<.010	.061	2.5	.3	.27	7490	201
AUG											
16...	<.020	<.050	<.010	E.005	<.010	.034	3.3	.9	.56	5090	414
SEP											
25...	<.020	.243	<.010	E.004	<.010	.039	2.8	.4	.56	6550	413

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TUR-BID-ITY (NTU) (00076)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
OCT											
07...	347	--	--	--	--	--	--	--	--	--	--
NOV											
08...	363	--	--	--	1	<1	6.5	48	<1	--	<1.0
DEC											
02...	400	--	--	--	--	--	--	--	--	--	--
JAN											
10...	387	--	--	--	4	<1	6.8	45	<1	--	<1.0
FEB											
23...	399	4.0	--	--	6	<1	7.2	45	<1	159	<1.0
MAR											
22...	419	8.0	--	--	2	<1	9.9	46	<1	159	<1.0
APR											
06...	419	9.8	--	--	9	<1	7.6	44	<1	159	<1.0
MAY											
24...	192	130	--	--	<15	<1	5.3	31	<1	78	<1.0
31...	117	--	--	--	<18	<1	4.0	22	<1	36	<1.0
JUN											
10...	114	120	--	--	<10	<1	3.4	19	<1	54	<1.0
26...	161	25	--	57	7	<1	4.3	26	<1	71	<1.0
JUL											
07...	187	18	--	K15	6	<1	5.9	30	<1	86	<1.0
AUG											
16...	372	7.0	--	21	2	<1	5.9	46	<1	149	<1.0
SEP											
25...	402	--	K25	K33	1	<1	6.1	48	<1	154	<1.0

E Estimated.
K Results based on colony count outside the acceptable range (non-ideal colony count).

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

06295000 YELLOWSTONE RIVER AT FORSYTH, MT (LAT 46 15 58 LONG 106 41 24)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)
OCT											
07...	--	--	--	<10	--	--	3	--	--	--	--
NOV											
08...	<.8	<1	1	E10	<1	--	5	<.2	2	2	E1.2
DEC											
02...	--	--	--	<10	--	--	4	--	--	--	--
JAN											
10...	<.8	<1	1	<10	<1	--	6	--	2	4	<2.4
FEB											
23...	<1.0	<1	1	<10	<1	43.4	11	--	2	<1	1.4
MAR											
22...	<1.0	<1	2	<10	<1	47.5	8	--	2	<1	1.3
APR											
06...	<.8	<1	1	<10	<1	46.9	10	--	2	3	1.3
MAY											
24...	<.8	<1	1	E10	<1	20.1	1	--	1	1	E.5
31...	<.8	<1	<1	10	<1	12.3	2	--	<1	1	<.7
JUN											
10...	<.8	<1	<1	E10	<1	11.9	1	--	<1	2	<.7
26...	<.8	<1	<1	E10	<1	19.8	2	--	<1	<1	<.7
JUL											
07...	<.8	<1	2	<10	<1	21.0	2	--	1	2	E.6
AUG											
16...	E.7	<1	2	<10	<1	38.5	3	--	2	<1	.9
SEP											
25...	E.6	<1	1	<10	<1	41.0	3	--	2	1	1.2

DATE	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	THALLIUM, DISSOLVED (UG/L AS TL) (01057)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DISSOLVED (UG/L) (34253)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)
OCT											
07...	--	--	--	--	--	<.003	<.002	<.002	<.002	.004	<.002
NOV											
08...	<1	--	--	--	<1	<.003	<.002	<.002	<.002	.006	<.002
DEC											
02...	--	--	--	--	--	<.003	<.002	<.002	<.002	.006	<.002
JAN											
10...	<1	--	--	--	1	<.003	<.002	<.002	<.002	<.005	<.002
FEB											
23...	<1	542	<.9	2	2	<.003	<.002	<.002	<.002	<.005	<.002
MAR											
22...	<1	574	<.9	<1	6	<.003	<.002	<.002	<.002	<.005	<.002
APR											
06...	<1	582	<.9	1	3	<.003	<.002	<.002	<.002	.008	<.002
MAY											
24...	<1	252	<.9	2	<3	<.003	<.002	<.002	<.002	<.001	<.002
31...	<1	147	<.9	2	<3	<.003	<.002	<.002	<.002	<.001	<.002
JUN											
10...	<1	132	<.9	2	2	<.003	<.002	<.002	<.002	.005	<.002
26...	<1	206	<.9	1	1	<.003	<.002	<.002	<.002	.009	<.002
JUL											
07...	<1	264	<.9	2	1	<.003	<.002	<.002	<.002	E.004	<.002
AUG											
16...	<1	515	<.9	2	3	<.003	<.002	<.002	<.002	E.004	<.002
SEP											
25...	<1	532	<.9	1	1	<.003	<.002	<.002	<.002	E.003	<.002

E Estimated.

06295000 YELLOWSTONE RIVER AT FORSYTH, MT (LAT 46 15 58 LONG 106 41 24)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
OCT											
07...	<.002	<.003	<.003	<.004	<.004	<.002	E.002	<.002	<.001	<.017	<.002
NOV											
08...	<.002	<.003	<.003	<.004	<.004	<.002	E.004	<.002	<.001	<.017	<.002
DEC											
02...	<.002	<.003	<.003	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
JAN											
10...	<.002	<.003	<.003	<.004	<.004	<.002	E.004	<.002	<.001	<.017	<.060
FEB											
23...	<.002	<.003	<.003	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
MAR											
22...	<.002	<.003	<.003	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
APR											
06...	<.002	<.003	<.003	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
MAY											
24...	<.002	<.003	<.003	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
31...	<.002	<.003	E.034	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.010
JUN											
10...	<.002	<.003	<.020	<.004	<.004	<.002	<.002	<.002	<.001	<.017	.016
26...	<.002	<.003	<.003	<.004	<.004	<.002	E.003	<.002	<.001	<.017	E.002
JUL											
07...	<.002	<.003	<.003	<.004	<.004	<.002	E.004	<.002	<.001	<.017	<.002
AUG											
16...	<.002	<.003	<.013	<.004	<.004	<.002	E.005	<.002	<.001	<.017	<.002
SEP											
25...	<.002	<.003	<.003	<.004	.012	<.002	<.002	<.002	<.001	<.017	<.002

DATE	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)
OCT											
07...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004	<.004
NOV											
08...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.005	<.004	<.004
DEC											
02...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004	<.004
JAN											
10...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.005	<.004	<.004
FEB											
23...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004	<.004
MAR											
22...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004	<.004
APR											
06...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004	<.004
MAY											
24...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004	<.004
31...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004	<.004
JUN											
10...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.004	<.004	<.004
26...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.007	<.004	<.004
JUL											
07...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	E.003	<.004	<.004
AUG											
16...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	E.004	<.004	<.004
SEP											
25...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004	<.004

E Estimated.

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

06295000 YELLOWSTONE RIVER AT FORSYTH, MT (LAT 46 15 58 LONG 106 41 24)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)
OCT											
07...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
NOV											
08...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.007	<.003	<.007	<.004
DEC											
02...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
JAN											
10...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
FEB											
23...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
MAR											
22...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
APR											
06...	<.003	E.002	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
MAY											
24...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
31...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
JUN											
10...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
26...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
JUL											
07...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
AUG											
16...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
SEP											
25...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.006	<.003	<.007	<.004

DATE	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT											
07...	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	--	58	1250
NOV											
08...	--	<.005	E.002	<.007	<.013	<.002	<.001	<.002	4	14	267
DEC											
02...	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	--	31	562
JAN											
10...	<.013	<.005	E.005	<.007	<.013	<.002	E.003	<.002	4	9	131
FEB											
23...	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	4	8	108
MAR											
22...	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	4	15	209
APR											
06...	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	4	24	320
MAY											
24...	<.013	<.005	<.010	<.007	<.013	<.002	.008	<.002	1	260	11800
31...	<.013	<.005	<.010	<.007	<.013	<.002	.007	<.002	<1	660	--
JUN											
10...	<.013	<.005	<.010	<.007	<.013	<.002	.005	<.002	<1	280	23100
26...	--	<.005	<.010	<.007	<.013	<.002	E.003	<.002	1	84	4510
JUL											
07...	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	2	52	1940
AUG											
16...	<.013	<.005	<.010	<.007	<.013	<.002	<.005	<.002	4	18	221
SEP											
25...	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	4	--	--

E Estimated.

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

YELLOWSTONE RIVER BASIN
Fixed Station Network

06298000 TONGUE RIVER NEAR DAYTON, WY (LAT 44 50 58 LONG 107 18 14)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT											
18...	1225	90	674	97	11.4	8.2	242	6.5	3.5	120	30.6
NOV											
09...	0910	69	659	99	11.1	7.5	257	5.0	4.5	130	34.1
DEC											
13...	1000	60	650	100	12.1	8.0	261	7.5	1.0	130	33.7
JAN											
05...	1050	57	660	96	12.1	7.7	260	-1.0	.0	140	35.7
FEB											
22...	0840	53	658	105	12.9	7.7	258	2.5	1.0	130	34.0
MAR											
07...	0930	52	656	99	11.8	7.7	248	9.0	2.0	130	31.6
APR											
04...	1040	49	661	91	10.5	7.8	244	18.0	3.5	120	30.8
MAY											
05...	0930	562	652	120	13.1	7.4	129	16.0	5.0	64	17.6
15...	1645	319	655	132	13.3	7.2	156	12.5	8.5	80	21.3
18...	1130	729	662	122	13.5	7.8	133	19.0	5.0	72	19.5
JUN											
09...	0930	548	649	107	9.9	7.6	163	21.0	11.5	79	21.2
JUL											
12...	1130	160	661	112	9.7	8.1	209	20.0	15.5	100	26.3
AUG											
02...	1100	100	658	104	8.8	8.0	225	26.0	16.0	110	27.3
SEP											
12...	1010	54	659	129	12.4	7.8	247	21.0	10.5	130	32.3

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT											
18...	10.8	.7	.1	1.3	129	157	.4	<.1	6.2	4.4	E.10
NOV											
09...	11.9	.6	.1	1.4	141	172	.4	.1	6.4	4.8	<.10
DEC											
13...	11.6	.7	.1	1.4	146	178	.4	<.1	6.5	5.7	E.10
JAN											
05...	12.2	.6	.1	1.4	141	172	.4	<.1	7.1	5.7	<.10
FEB											
22...	12.0	.6	.0	1.3	128	156	.6	<.1	6.5	4.4	<.10
MAR											
07...	11.2	.5	.0	1.3	129	157	.9	<.1	6.0	4.6	<.10
APR											
04...	11.1	.6	.1	1.3	128	156	.4	.1	5.9	5.2	E.10
MAY											
05...	4.87	.8	.1	1.0	62	76	.6	<.1	6.0	2.0	.19
15...	6.44	.6	.1	1.2	79	96	.6	<.1	7.4	2.7	.14
18...	5.57	.7	.1	1.1	69	84	.8	.1	7.1	2.2	.21
JUN											
09...	6.38	.5	.1	1.1	84	102	.4	<.1	6.4	2.3	E.10
JUL											
12...	8.98	.6	.1	1.2	106	129	.6	<.1	6.3	3.3	E.10
AUG											
02...	9.69	.6	.1	1.3	115	140	.5	<.1	5.8	3.7	E.10
SEP											
12...	11.5	.7	.1	1.4	127	155	.6	.3	5.8	3.8	<.10

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

06298000 TONGUE RIVER NEAR DAYTON, WY (LAT 44 50 58 LONG 107 18 14)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
OCT										
18...	.16	<.020	.071	<.010	E.005	<.010	E.006	1.5	.4	.18
NOV										
09...	.12	<.020	.092	<.010	<.006	<.010	E.004	1.2	.3	.20
DEC										
13...	<.10	<.020	.180	<.010	<.006	<.010	<.008	1.4	.2	.20
JAN										
05...	<.10	<.020	.200	<.010	<.006	<.010	<.008	.88	<.2	.21
FEB										
22...	E.10	<.020	.156	<.010	<.006	<.010	E.004	.85	.2	.20
MAR										
07...	E.10	<.020	.095	<.010	.007	<.010	E.004	1.1	.2	.19
APR										
04...	E.10	<.020	<.050	<.010	<.006	<.010	E.007	1.1	.3	.18
MAY										
05...	.58	<.020	.071	<.010	.014	<.010	.105	5.8	3.2	.11
15...	.20	<.020	<.050	<.010	E.005	<.010	.019	4.2	.5	.13
18...	.40	<.020	.070	<.010	.011	<.010	.115	5.9	<.2	.12
JUN										
09...	.19	<.020	.050	<.010	.006	<.010	.021	3.5	.4	.13
JUL										
12...	.11	<.020	<.050	<.010	<.006	<.010	.044	1.9	.3	.16
AUG										
02...	.15	<.020	<.050	<.010	<.006	<.010	.010	1.6	.3	.17
SEP										
12...	.10	<.020	<.050	<.010	<.006	<.010	<.008	1.4	<.2	.18

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TUR-BID-ITY (NTU) (00076)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT										
18...	33.0	136	132	--	--	--	<10	<1	2	.49
NOV										
09...	27.0	145	145	--	--	--	E10	<3	1	.19
DEC										
13...	24.1	149	148	--	--	--	<10	<2	1	.16
JAN										
05...	23.2	151	149	--	--	--	<10	<1	1	.15
FEB										
22...	21.5	150	137	--	--	--	<10	<2	1	.14
MAR										
07...	20.1	143	134	1.4	--	--	<10	<2	1	.14
APR										
04...	18.0	136	132	1.2	--	--	<10	<2	1	.13
MAY										
05...	124	82	71	--	--	--	50	E2	52	79
15...	81.8	95	87	--	--	--	20	E1	5	4.3
18...	179	91	79	--	--	--	40	6	74	146
JUN										
09...	144	97	89	4.4	21	K21	20	<2	13	19
JUL										
12...	50.5	117	111	2.7	28	28	<10	<2	3	1.3
AUG										
02...	34.3	127	118	2.3	70	49	E10	<2	3	.81
SEP										
12...	19.5	134	133	.9	K17	41	E10	E1	2	.29

E Estimated.
K Results based on colony count outside the acceptable range (non-ideal colony count).

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

06298000 TONGUE RIVER NEAR DAYTON, WY (LAT 44 50 58 LONG 107 18 14)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)
OCT									
18...	1225	5	<1	<2.0	26	<1	<1.0	<.8	<1
JAN									
05...	1050	5	<1	<2.0	25	<1	<1.0	<.8	<1

DATE	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
OCT									
18...	<1	<1	<.2	<1	<1	<2.4	<1	<1	<1
JAN									
05...	<1	<1	<.2	<1	<1	<2.4	<1	<1	<1

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

YELLOWSTONE RIVER BASIN
Fixed Station Network

06324970 LITTLE POWDER RIVER ABOVE DRY CREEK NEAR WESTON, wy (LAT 44 55 37 LONG 105 21 10)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT											
18...	1720	1.9	683	100	10.7	8.1	3560	4.0	7.0	850	149
NOV											
09...	1540	2.0	678	108	11.2	8.1	3670	22.0	8.0	880	160
DEC											
13...	1415	3.0	668	95	12.0	8.1	3710	1.0	.0	1000	198
JAN											
06...	1525	3.3	682	89	11.5	8.1	3850	4.0	.0	1000	200
FEB											
23...	1020	6.3	675	95	12.2	8.0	3080	8.5	.0	770	156
MAR											
06...	1400	14	670	100	10.3	8.0	2670	15.0	8.0	620	121
23...	1045	6.6	672	92	10.8	8.1	3510	15.5	3.0	980	182
APR											
05...	0815	6.0	674	85	8.8	8.1	3920	8.0	8.0	990	172
MAY											
17...	0820	10	669	85	7.6	8.1	3060	11.0	14.0	810	150
19...	1535	94	674	95	8.4	7.7	932	21.0	15.0	250	52.1
JUN											
08...	1245	3.3	665	126	8.9	7.9	3890	40.0	25.5	1100	181
JUL											
13...	0815	.59	678	100	7.4	7.9	3670	25.0	23.5	770	109
AUG											
01...	0845	.05	676	88	6.8	7.7	4090	29.0	21.5	930	140
16...	0845	.01	--	--	--	7.8	4360	18.5	19.0	1100	174
SEP											
12...	1440	.01	675	129	9.8	8.0	4460	29.0	22.0	1400	242

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT											
18...	116	20.4	8	541	312	381	51.7	.6	2.1	1680	.29
NOV											
09...	118	18.2	8	579	396	483	61.7	.7	6.7	1630	.26
DEC											
13...	129	25.3	8	554	439	535	64.5	.7	11.4	1720	.33
JAN											
06...	123	24.0	7	540	470	573	60.5	.7	12.4	1710	.22
FEB											
23...	92.4	18.1	7	428	382	466	49.8	.6	9.6	1290	.34
MAR											
06...	76.5	14.8	6	365	296	361	63.2	.5	7.1	1100	.33
23...	128	17.3	7	485	385	470	57.4	.6	2.2	1570	.47
APR											
05...	135	21.8	8	550	392	478	64.4	.7	4.6	1790	.39
MAY											
17...	105	15.4	7	433	325	397	46.1	.6	7.0	1380	.47
19...	28.8	9.3	3	111	106	129	7.9	.4	7.0	338	.41
JUN											
08...	163	22.1	7	538	336	410	47.8	.6	7.4	1920	.47
JUL											
13...	120	22.0	8	534	232	283	45.2	.6	2.2	1770	.46
AUG											
01...	140	23.6	9	596	253	309	79.2	1.0	3.6	1950	.41
16...	150	20.5	7	517	279	340	147	.8	5.5	2050	.39
SEP											
12...	203	27.0	7	603	279	340	199	.6	21.6	2150	.37

06324970 LITTLE POWDER RIVER ABOVE DRY CREEK NEAR WESTON, wy (LAT 44 55 37 LONG 105 21 10)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
OCT										
18...	.44	<.020	<.050	<.010	.006	<.010	.019	6.8	.6	3.91
NOV										
09...	.42	<.020	<.050	<.010	<.006	<.010	.018	6.0	.4	3.93
DEC										
13...	.34	<.020	<.050	<.010	E.004	<.010	.009	7.3	.3	4.19
JAN										
06...	.29	<.020	<.050	<.010	E.003	<.010	E.006	6.3	.2	4.24
FEB										
23...	.42	<.020	<.050	<.010	.012	<.010	.031	8.8	.3	3.25
MAR										
06...	.60	<.020	<.050	<.010	.007	<.010	.037	7.3	.7	2.74
23...	.48	<.020	<.050	<.010	.006	<.010	.021	8.5	.4	3.95
APR										
05...	.46	<.020	<.050	<.010	.006	<.010	.024	9.1	.5	4.47
MAY										
17...	.83	<.020	<.050	<.010	.007	<.010	.058	9.8	2.0	3.30
19...	14	<.020	.296	<.010	.007	<.010	1.77	6.1	>10	.86
JUN										
08...	.76	<.020	<.050	<.010	.007	<.010	.046	11	2.0	4.53
JUL										
13...	.58	<.020	<.050	<.010	.006	<.010	.011	9.3	.9	4.03
AUG										
01...	.59	<.020	<.050	<.010	E.005	<.010	.027	7.8	.4	4.58
16...	.53	<.020	<.050	<.010	E.005	<.010	.022	8.2	1.3	4.96
SEP										
12...	.58	<.020	<.050	<.010	.007	<.010	.023	9.4	1.2	5.27

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TUR-BID-ITY (NTU) (00076)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT										
18...	14.8	2880	2750	--	--	--	<30	30	105	.54
NOV										
09...	15.6	2890	2810	--	--	--	<50	62	40	.22
DEC										
13...	25.0	3080	2970	--	--	--	<30	78	174	1.4
JAN										
06...	27.8	3120	2950	--	--	--	20	99	101	.90
FEB										
23...	40.6	2390	2270	--	--	--	20	198	20	.34
MAR										
06...	76.2	2020	1930	19	--	--	<30	134	42	1.6
23...	51.7	2900	2680	--	--	--	<10	173	100	1.8
APR										
05...	53.2	3280	2980	23	--	--	<30	130	97	1.6
MAY										
17...	65.4	2420	2330	140	530	520	<30	78	161	4.3
19...	160	629	621	--	--	--	<10	1	19400	4920
JUN										
08...	29.7	3330	3080	77	490	250	<30	130	124	1.1
JUL										
13...	4.72	2960	2750	59	210	120	<10	102	64	.10
AUG										
01...	.45	3360	3090	30	420	200	<30	107	98	.01
16...	.10	3650	3230	30	280	180	<50	130	60	.00
SEP										
12...	.08	3880	3620	15	62	100	<50	115	51	.00

E Estimated.

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

06324970 LITTLE POWDER RIVER ABOVE DRY CREEK NEAR WESTON, wy (LAT 44 55 37 LONG 105 21 10)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
OCT												
18...	1720	1	<1	<2.0	20	<1	--	<1.0	<.8	<1	4	<1
FEB												
23...	1020	10	<1	<2.0	20	<1	--	<1.0	<1.0	<1	6	<1
MAR												
06...	1400	6	<1	E.9	20	<1	248	<1.0	<1.0	<1	6	<1
23...	1045	3	<1	E.7	26	<1	254	<1.0	<1.0	<1	7	<1
APR												
05...	0815	12	<1	.9	23	<1	275	<1.0	<1.0	<1	8	<1
MAY												
17...	0820	18	<1	1.2	54	<1	199	<1.0	<1.0	1	6	<1
19...	1535	2	<1	E.8	53	<1	109	<1.0	<.8	<1	3	<1
JUN												
08...	1245	<2	<1	1.4	56	<1	353	<1.0	<.8	1	6	<1
JUL												
13...	0815	2	<1	1.0	40	<1	356	<1.0	<.8	<1	4	<1
AUG												
01...	0845	4	<2	<1.8	46	<2	317	<2.0	<1.0	<2	7	<1
16...	0845	11	<1	E.9	50	<1	300	<1.0	<.8	<1	4	<1
SEP												
12...	1440	6	<2	<2.0	43	<2	247	<2.0	<.8	<2	5	<2

DATE	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	THAL-LIUM, DIS-SOLVED (UG/L AS TL) (01057)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
OCT											
18...	--	<.2	1	3	<2.4	<1	--	--	--	4	10
FEB											
23...	--	<.2	3	3	<2.4	<1	--	--	--	6	16
MAR											
06...	82.2	--	3	3	1.6	<1	1840	<.9	<1	6	12
23...	72.9	--	4	8	1.4	<1	2590	<.9	<1	7	21
APR											
05...	88.2	--	4	3	1.3	<1	2750	<.9	<1	10	21
MAY											
17...	58.4	--	3	6	1.8	<1	2140	<.9	1	<6	14
19...	28.1	--	2	5	2.1	<1	715	<.9	1	<2	5
JUN											
08...	94.5	--	5	10	1.7	<1	3170	<.9	2	<3	15
JUL											
13...	91.8	--	4	3	1.4	<1	2080	<.9	<1	3	14
AUG											
01...	80.2	--	4	4	2.0	<2	2300	<1.8	<2	4	15
16...	83.8	--	3	5	2.0	<1	2940	<.9	1	7	21
SEP											
12...	79.2	--	3	6	2.5	<2	3260	<2.0	<2	4	27

E Estimated.

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

YELLOWSTONE RIVER BASIN
Fixed Station Network

06326500 POWDER RIVER NEAR LOCATE, MT (LAT 46 25 48 LONG 105 18 34)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT											
27...	1200	304	705	99	11.4	8.4	1700	6.0	6.0	550	121
NOV											
09...	0930	330	696	99	10.9	8.2	1780	13.0	7.0	540	121
DEC											
01...	1530	392	698	108	13.9	8.3	2000	6.0	1.0	580	137
JAN											
11...	1530	E250	692	101	13.3	7.9	2020	.0	.0	620	141
FEB											
03...	1100	E230	627	107	12.8	8.0	1980	1.0	.0	600	139
MAR											
07...	0930	667	693	106	13.1	8.3	1520	16.0	2.5	410	95.0
21...	1200	418	702	71	8.4	8.1	2020	6.0	4.5	580	131
APR											
06...	0900	406	689	102	11.4	8.4	2050	8.0	6.0	560	124
MAY											
01...	1200	553	699	104	9.5	8.3	1990	23.0	15.0	530	121
22...	1200	1840	690	96	8.2	7.8	1840	23.0	17.5	510	123
JUN											
12...	1500	526	693	103	8.0	8.3	1260	26.0	22.5	330	78.8
JUL											
06...	1130	240	693	108	8.2	8.5	1650	28.0	23.5	460	104
AUG											
16...	1230	7.3	--	--	9.2	8.7	3050	25.0	21.0	590	123
SEP											
25...	1245	65	702	110	10.6	7.9	2190	18.5	13.0	610	127

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT											
27...	60.8	5.8	4	201	184	215	5	70.1	.3	7.8	638
NOV											
09...	57.2	5.3	3	184	186	212	7	72.1	.4	7.9	639
DEC											
01...	59.0	5.5	4	224	246	154	72	102	.3	7.7	728
JAN											
11...	66.1	6.8	4	226	278	339	--	92.4	.3	11.1	708
FEB											
03...	61.1	6.1	4	219	266	325	--	88.7	.4	11.1	659
MAR											
07...	42.5	5.3	4	171	168	205	--	58.6	.3	7.1	533
21...	61.6	6.4	4	241	227	265	6	89.2	.4	<30.0	781
APR											
06...	60.3	6.7	5	244	220	229	19	92.2	.4	7.2	781
MAY											
01...	55.7	6.9	5	254	196	210	14	64.2	.5	8.7	773
22...	50.0	6.4	4	229	140	171	--	65.4	.4	7.8	714
JUN											
12...	32.5	4.6	3	134	147	131	24	47.3	.4	10.5	431
JUL											
06...	47.3	7.1	4	213	180	210	5	78.7	.3	8.6	644
AUG											
16...	68.0	1.9	8	457	260	283	17	89.0	.3	11.7	1240
SEP											
25...	71.6	8.4	5	284	255	311	--	48.4	.3	6.6	948

E Estimated.

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

06326500 POWDER RIVER NEAR LOCATE, MT (LAT 46 25 48 LONG 105 18 34)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
OCT											
27...	.21	.56	<.020	<.050	<.010	<.006	<.010	.196	4.3	2.8	1.74
NOV											
09...	.21	.52	<.020	<.050	<.010	<.006	<.010	.207	4.3	1.5	1.77
DEC											
01...	.16	.42	<.020	<.050	<.010	E.004	<.010	.141	3.8	1.1	1.93
JAN											
11...	.14	.28	<.020	.319	<.010	<.006	<.010	.028	4.8	.5	2.06
FEB											
03...	.15	.22	<.020	.350	<.010	<.006	<.010	.045	3.6	.2	1.93
MAR											
07...	.23	1.9	.023	.255	<.010	.006	.014	1.12	3.6	10	1.44
21...	.19	.72	<.020	.219	<.010	.007	<.010	.272	4.2	2.0	2.10
APR											
06...	.20	.52	<.020	<.050	<.010	E.004	.014	.175	4.6	1.2	2.10
MAY											
01...	.22	2.8	<.020	.268	<.010	.009	<.010	1.16	4.8	12	1.97
22...	.30	23	.031	.805	.014	.010	<.010	15.4	5.2	>50	1.81
JUN											
12...	.25	.95	<.020	<.050	<.010	.011	<.010	.398	4.9	5.4	1.19
JUL											
06...	.26	1.5	<.020	<.050	<.010	E.005	<.010	.585	6.2	4.1	1.76
AUG											
16...	.31	.36	<.020	<.050	<.010	E.003	<.010	.012	7.0	.3	3.09
SEP											
25...	.31	.52	<.020	<.050	<.010	E.003	<.010	.071	5.8	1.6	2.29

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TUR-BID-ITY (NTU) (00076)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT										
27...	1050	1280	1220	--	--	--	<10	E2	418	343
NOV										
09...	1160	1300	1200	--	--	--	<10	1	397	354
DEC										
01...	1500	1420	1410	--	--	--	<30	<9	424	449
JAN										
11...	--	1510	1420	--	--	--	<10	3	85	--
FEB										
03...	--	1420	1350	--	--	--	<10	3	118	--
MAR										
07...	1910	1060	1020	--	--	--	<10	1	2450	4410
21...	1740	1540	1450	--	--	--	<30	2	593	669
APR										
06...	1690	1540	1450	--	--	--	<30	1	446	489
MAY										
01...	2170	1450	1410	--	--	--	<30	<1	2000	2990
22...	6630	1330	1290	--	--	--	<10	<1	25400	126000
JUN										
12...	1240	872	828	500	--	--	<10	<1	561	797
JUL										
06...	837	1290	1210	E1000	1300	1400	<10	2	1040	675
AUG										
16...	44.8	2270	2140	5.0	--	150	<30	9	38	.75
SEP										
25...	296	1680	1650	--	48	60	<30	4	--	--

E Estimated.

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

06326500 POWDER RIVER NEAR LOCATE, MT (LAT 46 25 48 LONG 105 18 34)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
NOV												
09...	0930	3	<1	<2.0	46	<1	--	<1.0	<.8	<1	3	<1
JAN												
11...	1530	2	<1	E1.2	47	<1	--	<1.0	<.8	<1	4	<1
FEB												
03...	1100	1	<1	<2.0	46	<1	--	<1.0	<.8	<1	4	<1
MAR												
07...	0930	1	<1	<.9	36	<1	118	<1.0	<1.0	<1	3	<1
21...	1200	2	<1	<.9	48	<1	155	<1.0	<1.0	<1	4	<1
APR												
06...	0900	12	<1	.9	46	<1	171	<1.0	<1.0	<1	4	<1
MAY												
01...	1200	<3	<1	1.0	47	<1	170	<1.0	E.7	<1	6	<1
22...	1200	2	<1	E.8	57	<1	167	<1.0	<.8	<1	7	<1
JUN												
12...	1500	<11	<1	1.0	30	<1	125	<1.0	<.8	<1	3	<1
JUL												
06...	1130	4	<1	1.1	49	<1	193	<1.0	<.8	<1	4	<1
AUG												
16...	1230	2	<1	1.1	90	<1	324	<1.0	<.8	<1	7	<1
SEP												
25...	1245	3	<1	E.7	52	<1	160	<1.0	<.8	<1	3	<1

DATE	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	THAL-LIUM, DIS-SOLVED (UG/L AS TL) (01057)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
NOV											
09...	--	<.2	2	4	<2.4	<1	--	--	--	2	9
JAN											
11...	--	--	2	13	E1.5	<1	--	--	--	2	10
FEB											
03...	--	--	2	2	E1.9	<1	--	--	--	3	10
MAR											
07...	51.8	--	2	2	2.2	<1	1050	<.9	<1	2	7
21...	80.9	--	3	<1	2.1	<1	1490	<.9	<1	26	11
APR											
06...	73.0	--	3	1	2.3	<1	1570	<.9	<1	11	11
MAY											
01...	75.7	--	3	<1	2.3	<1	1400	<.9	<1	<4	9
22...	62.0	--	5	3	4.6	<1	1410	<.9	1	<2	9
JUN											
12...	37.1	--	4	6	1.6	<1	882	<.9	1	<3	7
JUL											
06...	61.4	--	4	2	1.1	<1	1280	<.9	1	1	8
AUG											
16...	95.4	--	6	<1	1.1	<1	1790	<.9	2	7	16
SEP											
25...	47.8	--	4	3	.9	<1	1510	<.9	2	2	12

E Estimated.

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

YELLOWSTONE RIVER BASIN
Fixed Station Network

06329500 YELLOWSTONE RIVER NEAR SIDNEY, MT (LAT 47 40 42 LONG 104 09 22)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT											
06...	0900	8980	713	101	10.8	8.5	643	6.0	9.5	210	51.2
NOV											
09...	1430	7570	710	105	11.8	8.4	673	7.0	7.0	230	57.1
DEC											
01...	0900	7170	709	109	13.8	8.3	711	6.0	2.5	250	62.9
JAN											
11...	0945	7870	628	70	8.4	8.0	732	-10.0	.0	250	60.3
FEB											
02...	1400	7700	709	110	15.0	8.4	741	5.0	.0	250	61.7
MAR											
21...	0930	6110	722	96	11.6	8.5	833	5.5	5.0	280	66.6
APR											
19...	1000	6080	717	91	9.6	8.8	798	5.0	10.0	230	54.7
MAY											
02...	0900	6980	714	100	9.3	8.7	585	20.5	15.5	190	45.6
22...	1215	12700	712	92	8.2	8.6	532	21.5	17.5	170	42.9
23...	1430	14400	702	105	9.0	7.6	549	24.0	18.5	170	42.7
JUN											
05...	1200	26300	720	95	8.7	8.2	289	19.0	17.0	99	25.2
12...	0900	32000	710	93	8.0	7.9	237	18.0	19.0	79	20.3
26...	1115	17800	723	96	8.4	8.6	316	20.0	19.0	100	26.1
JUL											
19...	0830	6630	721	90	7.4	8.4	476	17.0	22.0	150	37.2
AUG											
07...	1345	4570	714	93	7.3	8.5	614	31.0	24.0	200	48.3
22...	0945	2930	721	88	7.9	8.5	709	20.0	18.0	230	54.2
SEP											
06...	0830	3900	713	89	7.5	8.5	739	17.0	20.5	230	51.6

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT											
06...	20.2	3.7	2	52.1	144	175	0	9.2	.4	7.5	162
NOV											
09...	21.9	3.1	2	53.8	134	149	7	10.3	.5	8.4	176
DEC											
01...	22.5	3.1	2	57.5	142	149	12	11.8	.4	10.1	194
JAN											
11...	24.0	3.4	2	60.6	168	205	--	11.6	.4	10.4	196
FEB											
02...	23.9	3.5	2	60.2	189	231	--	11.4	.5	10.2	193
MAR											
21...	26.4	3.9	2	73.0	178	210	4	13.2	.5	9.9	232
APR											
19...	23.2	3.7	2	70.5	167	190	7	12.9	.6	6.8	220
MAY											
02...	18.2	2.9	2	49.0	126	146	4	11.2	.4	10.8	148
22...	16.3	2.8	1	42.3	124	140	5	8.0	.4	8.9	130
23...	15.3	3.4	2	46.1	121	147	--	10.0	.3	10.7	141
JUN											
05...	8.76	1.8	.9	20.5	75	92	0	4.2	.3	11.2	57.0
12...	6.84	1.6	.8	15.9	70	85	--	3.0	.2	10.7	40.9
26...	9.43	1.8	1	22.7	83	96	3	4.4	.2	9.7	62.4
JUL											
19...	14.0	2.7	1	38.0	119	134	5	6.8	.5	7.9	107
AUG											
07...	19.4	4.2	2	54.9	155	175	7	7.8	.5	8.4	152
22...	23.0	4.0	2	64.9	164	194	3	9.2	.4	5.9	184
SEP											
06...	24.5	4.2	2	65.9	171	204	2	9.8	.4	4.5	194

E Estimated.

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

06329500 YELLOWSTONE RIVER NEAR SIDNEY, MT (LAT 47 40 42 LONG 104 09 22)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
OCT											
06...	.17	.31	<.002	.133	.002	E.004	<.001	.026	2.9	.3	.56
NOV											
09...	.20	.30	<.020	.152	<.010	<.006	<.010	.018	2.7	.3	.60
DEC											
01...	.16	.22	<.020	.290	<.010	E.005	<.010	.013	2.6	.3	.67
JAN											
11...	.14	.18	<.020	.376	<.010	<.006	<.010	.009	3.4	.2	.67
FEB											
02...	.14	.19	<.020	.345	<.010	E.004	<.010	.031	2.6	.2	.67
MAR											
21...	.22	.39	.009	.293	.003	E.004	.003	.068	2.9	.5	.74
APR											
19...	.16	.77	.009	.103	.003	<.006	<.001	.245	3.0	2.2	.70
MAY											
02...	.22	.46	<.002	.028	.007	E.004	<.001	.092	3.4	1.0	.51
22...	.14	.69	.006	<.005	<.001	.006	.006	.261	3.3	1.8	.44
23...	.24	.74	<.020	.266	.010	.007	<.010	.244	3.7	4.9	.48
JUN											
05...	.13	.71	.008	.177	.003	.020	.016	.430	2.9	3.7	.24
12...	.23	.78	<.020	.138	<.010	.018	.014	.494	2.6	4.7	.20
26...	.14	.47	<.002	<.005	.002	E.003	.001	.157	2.3	1.1	.26
JUL											
19...	.16	.44	<.002	<.005	.001	<.006	.001	.108	2.5	1.1	.40
AUG											
07...	.24	.61	<.002	<.005	.001	<.006	.001	.167	3.1	2.2	.54
22...	.24	.47	.003	.011	<.001	E.004	.001	.046	3.3	.7	.62
SEP											
06...	.22	.49	.011	.005	.001	E.004	.001	.056	3.3	.7	.65

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TUR-BID-ITY (NTU) (00076)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
OCT											
06...	10000	414	393	10	--	--	4.1	--	--	136	--
NOV											
09...	9030	442	413	--	1	<1	5.6	49	<1	--	<1.0
DEC											
01...	9600	496	449	--	--	--	--	--	--	--	--
JAN											
11...	10400	490	469	--	<1	<1	4.7	54	<1	--	<1.0
FEB											
02...	10200	489	480	--	1	<1	5.9	52	<1	--	<1.0
MAR											
21...	8940	542	535	33	3	<1	5.3	49	<1	164	<1.0
APR											
19...	8470	516	494	180	1	<1	4.2	53	<1	162	<1.0
MAY											
02...	7120	378	363	26	2	<1	5.9	40	<1	127	<1.0
22...	11200	--	326	39	15	<1	4.8	44	<1	129	<1.0
23...	13700	353	343	--	16	<1	3.2	49	<1	108	<1.0
JUN											
05...	12800	180	175	86	12	<1	3.4	30	<1	58	<1.0
12...	13000	150	142	340	14	<1	3.4	27	<1	54	<1.0
26...	9320	194	187	46	14	<1	3.9	31	<1	66	<1.0
JUL											
19...	5240	293	286	57	11	<1	5.2	42	<1	107	<1.0
AUG											
07...	4890	396	389	99	3	<1	4.7	52	<1	146	<1.0
22...	3630	459	445	17	1	<1	3.9	59	<1	172	<1.0
SEP											
06...	5050	480	458	25	1	<1	4.5	60	<1	173	<1.0

E Estimated.

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

06329500 YELLOWSTONE RIVER NEAR SIDNEY, MT (LAT 47 40 42 LONG 104 09 22)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)
OCT											
06...	--	--	--	<10	--	36.4	--	--	--	--	<2.4
NOV											
09...	<.8	<1	1	580	<1	--	6	<.2	2	2	E1.3
DEC											
01...	--	--	--	<10	--	--	6	--	--	--	--
JAN											
11...	<.8	<1	2	<10	<1	--	10	--	2	5	E1.8
FEB											
02...	<.8	<1	2	<10	<1	--	4	--	2	<1	E1.2
MAR											
21...	<1.0	<1	2	<10	<1	43.2	6	--	2	3	E1.2
APR											
19...	<.8	<1	3	<10	<1	44.0	2	--	2	<1	E1.6
MAY											
02...	<.8	<1	2	<10	<1	35.7	<1	--	2	<1	<2.4
22...	<.8	<1	2	<10	<1	36.7	<1	--	2	1	E1.5
23...	<.8	<1	2	<10	<1	28.7	<1	--	2	2	1.0
JUN											
05...	<.8	<1	1	<10	<1	17.0	<1	--	<1	2	<2.4
12...	<.8	<1	1	<10	<1	14.2	<1	--	<1	2	<.7
26...	<.8	<1	1	<10	<1	21.0	<1	--	1	<1	<2.4
JUL											
19...	<.8	<1	2	<10	<1	E26.6	<1	--	2	3	<2.4
AUG											
07...	<.8	<1	3	<10	<1	38.1	1	--	2	3	<2.4
22...	<.8	<1	2	<10	<1	43.3	6	--	3	2	<2.4
SEP											
06...	<.8	<1	2	<10	<1	41.9	3	--	2	<1	<2.4

DATE	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	THALLIUM, DISSOLVED (UG/L AS TL) (01057)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DISSOLVED (UG/L) (34253)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)
OCT											
06...	--	524	--	<10	--	<.003	<.002	<.002	<.002	.006	<.002
NOV											
09...	<1	--	--	--	1	<.003	<.002	<.002	<.002	.006	<.002
DEC											
01...	--	--	--	--	--	<.003	<.002	<.002	<.002	.006	<.002
JAN											
11...	<1	--	--	--	1	<.003	<.002	<.002	<.002	<.005	<.002
FEB											
02...	<1	--	--	--	<1	<.003	<.002	<.002	<.002	.004	<.002
MAR											
21...	<1	654	<.9	<10	<1	<.003	<.002	<.002	<.002	<.005	<.002
APR											
19...	<1	628	<.9	<10	1	<.003	<.002	<.002	<.002	E.003	<.002
MAY											
02...	<1	457	<.9	<10	<1	<.003	<.002	<.002	<.002	<.001	<.002
22...	<1	410	<.9	<10	2	<.003	<.002	<.002	<.002	E.003	<.002
23...	<1	430	<.9	2	4	<.003	<.002	<.002	<.002	<.001	<.002
JUN											
05...	<1	219	<.9	<10	2	<.003	<.002	E.003	<.002	E.002	<.002
12...	<1	184	<.9	2	3	<.003	<.002	<.002	<.002	.004	<.002
26...	<1	235	<.9	E8	2	<.003	<.002	<.002	<.002	.009	<.002
JUL											
19...	<1	388	<.9	E7	3	<.003	<.002	<.002	<.002	.008	<.002
AUG											
07...	<1	513	<.9	<10	<1	<.003	.015	<.002	<.002	.019	<.002
22...	<1	591	<.9	<10	1	<.003	<.002	<.002	<.002	.005	<.002
SEP											
06...	<1	585	<.9	<10	1	<.003	<.002	<.002	<.002	.005	<.002

E Estimated.

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

06329500 YELLOWSTONE RIVER NEAR SIDNEY, MT (LAT 47 40 42 LONG 104 09 22)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
OCT											
06...	<.002	<.003	<.003	<.004	<.004	<.002	E.004	<.002	<.001	<.017	<.002
NOV											
09...	<.002	<.003	<.003	<.004	.008	<.002	E.004	<.002	<.001	<.017	<.002
DEC											
01...	<.002	<.003	<.003	<.004	<.004	<.002	<.004	<.002	<.001	<.017	<.002
JAN											
11...	<.002	<.003	<.003	<.004	<.004	<.002	E.005	<.002	<.001	<.017	<.002
FEB											
02...	<.002	<.003	<.003	<.004	<.004	<.002	E.004	<.002	<.001	<.017	<.002
MAR											
21...	<.002	<.003	<.003	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
APR											
19...	<.002	<.003	<.003	<.004	<.004	<.002	E.002	<.002	<.001	<.017	<.070
MAY											
02...	<.002	<.003	<.003	E.002	<.004	<.002	<.002	<.002	<.001	<.017	<.002
22...	<.002	<.003	<.003	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
23...	<.002	<.003	<.003	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
JUN											
05...	<.002	<.003	E.021	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.013
12...	<.002	E.005	<.030	E.002	<.004	<.002	E.001	<.002	<.001	<.017	E.003
26...	<.002	<.003	<.003	E.002	.004	E.002	E.003	<.002	<.001	<.017	<.010
JUL											
19...	<.002	<.003	<.003	<.004	<.004	<.002	<.002	<.002	<.001	<.017	<.002
AUG											
07...	<.002	<.003	<.003	<.004	<.004	<.002	E.005	<.002	<.001	<.017	<.002
22...	<.002	<.003	<.003	<.004	<.004	<.002	E.004	<.002	<.001	<.017	<.002
SEP											
06...	<.002	<.003	<.003	<.004	.005	<.002	E.004	<.002	<.001	<.017	<.002

DATE	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)
OCT											
06...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.006	<.004	<.004
NOV											
09...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.006	<.004	<.004
DEC											
01...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004	<.004
JAN											
11...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.005	<.004	<.004
FEB											
02...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.005	<.004	<.004
MAR											
21...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004	<.004
APR											
19...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004	<.004
MAY											
02...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004	<.004
22...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004	<.004
23...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	<.002	<.004	<.004
JUN											
05...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	E.003	<.004	<.004
12...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.004	<.004	<.004
26...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.006	<.004	<.004
JUL											
19...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.012	<.004	<.004
AUG											
07...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.009	<.004	<.004
22...	<.004	<.003	<.003	<.004	<.002	<.005	<.001	<.006	.006	<.004	<.004
SEP											
06...	<.004	<.003	<.003	<.004	<.002	.006	<.001	<.006	E.004	<.004	<.004

E Estimated.

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

06329500 YELLOWSTONE RIVER NEAR SIDNEY, MT (LAT 47 40 42 LONG 104 09 22)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)
OCT											
06...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
NOV											
09...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.007	<.003	<.007	<.004
DEC											
01...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
JAN											
11...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.007	<.003	<.007	<.004
FEB											
02...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.006	<.003	<.007	<.004
MAR											
21...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
APR											
19...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
MAY											
02...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
22...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.011	<.003	<.007	<.004
23...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
JUN											
05...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	E.001	<.003	<.007	<.004
12...	<.003	E.001	<.004	<.004	<.004	<.005	<.002	E.002	<.003	<.007	<.004
26...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
JUL											
19...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
AUG											
07...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
22...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004
SEP											
06...	<.003	<.006	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004

DATE	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT											
06...	<.013	<.005	E.002	<.007	<.013	<.002	<.001	<.002	--	27	655
NOV											
09...	--	<.005	<.010	<.007	<.013	<.002	<.001	<.002	4	11	225
DEC											
01...	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	--	12	232
JAN											
11...	<.013	<.005	E.007	<.007	<.013	<.002	<.002	<.002	4	10	212
FEB											
02...	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	5	56	1160
MAR											
21...	<.013	<.005	<.010	<.007	<.013	<.002	<.005	<.002	5	73	1200
APR											
19...	<.013	<.005	<.010	<.007	<.013	<.002	E.002	<.002	4	448	7350
MAY											
02...	<.013	<.005	E.004	<.007	<.013	<.002	<.001	<.002	3	103	1940
22...	--	.013	<.010	<.007	<.013	<.002	.006	<.002	3	312	10700
23...	<.013	.014	<.010	<.007	<.013	<.002	.008	<.002	3	922	35800
JUN											
05...	<.013	<.005	<.010	<.007	<.013	<.002	.006	<.002	1	562	39900
12...	<.013	<.005	<.010	<.007	<.013	<.002	E.002	<.002	1	684	59100
26...	--	<.005	<.010	<.007	<.013	<.002	E.003	<.002	1	202	9710
JUL											
19...	<.013	<.005	.017	<.007	<.013	<.002	<.001	<.002	2	142	2540
AUG											
07...	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	3	255	3150
22...	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	4	36	285
SEP											
06...	--	<.005	<.010	<.007	<.013	<.002	<.001	<.002	4	65	684

E Estimated.

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

ALGAL-NUTRIENT SYNOPTIC STUDY

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

STATION NUMBER	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
06191500	08-23-00	0800	1720	638	8.2	8.0	196	13.0	15.5	.11	.18
06192500	08-22-00	1415	2250	648	10.5	8.6	213	26.0	16.5	.17	.26
06205200	08-23-00	1730	--	--	--	--	--	--	--	.17	.35
06208500	08-23-00	1200	157	--	--	--	--	--	--	.30	.43
06214500	08-22-00	1930	2160	--	--	--	--	--	--	.19	.34
06218000	08-24-00	1600	--	--	--	--	--	--	--	.25	.34
	08-28-00	1000	--	--	8.0	--	--	--	--	.29	.37
06294500	08-24-00	1100	2380	--	--	--	--	--	--	.22	.32
06295000	08-26-00	1100	4550	690	--	8.3	677	24.0	20.5	.22	.39
06308500	08-26-00	0820	52	696	8.3	8.2	902	23.0	20.5	.25	.33
06309000	08-26-00	0810	4130	696	7.6	8.5	689	27.0	21.0	.21	.32
06326530	08-25-00	1645	--	705	8.4	8.5	703	34.0	23.5	.24	.39
06327500	08-25-00	1300	2920	709	--	8.5	698	33.0	21.5	.22	.39
06329500	08-24-00	1600	2940	712	10.5	8.5	731	33.0	20.5	.21	.41

STATION NUMBER	DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	TUR-BID-ITY (NTU) (00076)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
06191500	08-23-00	<.020	.115	.010	.011	<.010	.016	1.5	6	28
06192500	08-22-00	<.020	<.050	<.010	.010	<.010	.020	2.8	6	36
06205200	08-23-00	<.020	<.050	<.010	E.004	<.010	.013	2.6	--	--
06208500	08-23-00	<.020	.772	.018	.008	<.010	.035	10	68	29
06214500	08-22-00	<.020	.053	<.010	E.005	<.010	.025	--	11	64
06218000	08-24-00	<.020	<.050	<.010	.017	<.010	.033	5.0	--	--
	08-28-00	<.020	<.050	<.010	.015	<.010	.035	--	--	--
06294500	08-24-00	<.020	.133	<.010	.006	<.010	.016	9.0	11	71
06295000	08-26-00	<.020	<.050	<.010	.007	<.010	.031	6.4	58	713
06308500	08-26-00	<.020	<.050	<.010	E.004	<.010	.019	5.1	8	1.1
06309000	08-26-00	<.020	<.050	<.010	.006	<.010	.029	13	23	256
06326530	08-25-00	<.020	<.050	<.010	.006	<.010	.037	12	--	--
06327500	08-25-00	<.020	<.050	<.010	.006	<.010	.038	19	--	--
06329500	08-24-00	<.020	<.050	<.010	.006	<.010	.037	24	36	286

E Estimated.

CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
	Length	
inch (in.)	2.54×10^{1}	millimeter
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter
mile (mi)	1.609×10^{0}	kilometer
	Area	
acre	4.047×10^{3}	square meter
	4.047×10^{-1}	square hectometer
	4.047×10^{-3}	square kilometer
square mile (mi^2)	2.590×10^{0}	square kilometer
	Volume	
gallon (gal)	3.785×10^{0}	liter
	3.785×10^{0}	cubic decimeter
	3.785×10^{-3}	cubic meter
million gallons (Mgal)	3.785×10^{3}	cubic meter
	3.785×10^{-3}	cubic hectometer
cubic foot (ft^3)	2.832×10^{1}	cubic decimeter
	2.832×10^{-2}	cubic meter
cubic-foot-per-second day [(ft^3/s) d]	2.447×10^{3}	cubic meter
	2.447×10^{-3}	cubic hectometer
acre-foot (acre-ft)	1.233×10^{3}	cubic meter
	1.233×10^{-3}	cubic hectometer
	1.233×10^{-6}	cubic kilometer
	Flow	
cubic foot per second (ft^3/s)	2.832×10^{1}	liter per second
	2.832×10^{1}	cubic decimeter per second
	2.832×10^{-2}	cubic meter per second
gallon per minute (gal/min)	6.309×10^{-2}	liter per second
	6.309×10^{-2}	cubic decimeter per second
	6.309×10^{-5}	cubic meter per second
million gallons per day (Mgal/d)	4.381×10^{1}	cubic decimeter per second
	4.381×10^{-2}	cubic meter per second
	Mass	
ton (short)	9.072×10^{-1}	megagram or metric ton

Sea level: In this report “sea level” refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment for the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.