

GEOLOGICAL SURVEY CIRCULAR 386



INDEX OF SURFACE-WATER RECORDS  
TO SEPTEMBER 30, 1955

PART 6.—MISSOURI RIVER BASIN



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

GEOLOGICAL SURVEY  
Thomas B. Nolan, *Director*

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PART 6.—MISSOURI RIVER BASIN

Washington, D. C. 1956

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Free on application to the Geological Survey, Washington 25, D. C.



## PART 6.—MISSOURI RIVER BASIN

By H. F. Matthai

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### EXPLANATION

This index lists the streamflow and reservoir stations in the Missouri River basin for which records have been or are to be published in reports of the Geological Survey for periods prior to September 30, 1955. Periods of record for the same station published by other agencies are listed only when they contain more detailed information or are for periods not reported in publications of the Geological Survey.

The stations are listed in the downstream order first adopted for use in the 1951 series of water-supply papers on surface-water supply of the United States. Starting at the headwater of each stream all stations are listed in a downstream direction. Tributary streams are indicated by indentation and are inserted between main-stem stations in the order in which they enter the main stream. To indicate the rank of any tributary on which a record is available and the stream to which it is immediately tributary, each indentation in the listing of stations represents one rank. A stream name only is inserted where necessary for the purpose of showing the proper rank or order of tributaries.

Station names are given in their most recently published forms. Parentheses around part of a station name indicate that the enclosed word or words were used in an earlier published name of the station or in a name under which records were published by some agency other than the Geological Survey.

The drainage areas, in square miles, are the latest figures published or otherwise available at this time. Drainage areas that were obviously inconsistent with other drainage areas on the same stream have been omitted.

Under "period of record" breaks of less than a 12-month period are not shown. A dash not followed immediately by a closing date shows that the station was continued in operation beyond September 30, 1955. The years given are calendar years. All periods of record not contained in water-supply papers on surface-water supply of the United States are indicated by appropriate footnotes.

Records both of gage height and of discharge are listed for streamflow stations, and records of gage height and of contents (or of change in contents) are listed for stations on reservoirs. Records of gage heights only and records consisting only of monthly figures either of streamflow or reservoir contents are designated by symbols and footnotes. For early years when daily discharges were not generally published by the Geological Survey, published daily gage heights and a published rating table were considered to be equivalent to daily discharges.

An alphabetical index of streams, canals, and reservoirs is given on pages 38 to 44.

## INDEX, PART 6, MISSOURI RIVER BASIN

## PART 6-A, MISSOURI RIVER BASIN ABOVE SIOUX CITY, IOWA

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Red Rock River (head of Missouri River) near Lakeview, Mont.	a/190	1933-37.
Red Rock River at Metzel Ford, near Monida, Mont.	b/243	1925-29.
Red Rock River at Kennedy Ranch, near Lakeview, Mont.	318	1936-
Red Rock River above Lima (Red Rock) Reservoir, near Monida, Mont.	-	1911; 1914-15; 1930.
Lima (Red Rock) Reservoir near Monida, Mont.	-	1939-†
Red Rock River below Lima (Red Rock) Reservoir, near Monida, Mont.	a/560	1911-18; 1925-
Red Rock River at Lima, Mont.	615	1907-11.
<u>Sheep Creek basin</u>		
Sheep Creek below Muddy Creek, near Dell, Mont.	282	1936; 1946-53.
Red Rock River near Dell, Mont.	a/1,420	1942-
Red Rock River at Red Rock, Mont.	-	1890†; 1950-52.
<u>Horse Prairie Creek basin</u>		
Horse Prairie Creek near Grant, Mont.	325	1946-53.
Beaverhead River (continuation of Red Rock River):		
<u>Grasshopper Creek basin</u>		
Grasshopper Creek near Dillon, Mont.	a/350	1921-33; 1945-53; 1955-
Beaverhead River at Barratts, Mont.	a/2,740	1907-
<u>Rattlesnake Creek basin</u>		
Rattlesnake Creek near Dillon, Mont.	-	1946-49.
Beaverhead River at Dillon, Mont.	-	1907*; 1950-52.
<u>Blacktail Creek basin</u>		
Blacktail Creek near Dillon, Mont.	-	1946-53; 1955-
Beaverhead River near Dillon, Mont.	-	1950-52.
Beaverhead River at Blaine, Mont.	a/3,630	1935-
<u>Ruby River basin</u>		
Ruby River above Warm Springs Creek, near Alder, Mont.	-	1948-53.
Ruby River above reservoir, near Alder, Mont.	537	1938-
Ruby (Passamari) River at damsite (at Lauterbach's Ranch), near Alder, Mont.	a/600	1911-14; 1935-36; 1936-37†.
Ruby River Reservoir near Alder, Mont.	a/600	1939-†
Ruby River near Alder, Mont.	a/620	1929-39; 1946-
Ruby River at Laurin, Mont.	-	1946-
Ruby River below Ramshorn Creek near Sheridan, Mont.	-	1946-53.
Ruby River near Sheridan, Mont.	-	1946-51.
Ruby River near Twin Bridges, Mont.	986	1940-43; 1946-
<u>Big Hole River basin</u>		
Big Hole River near Jackson, Mont.	35.8	1948-53.
Miner Creek near Jackson, Mont.	18.4	1948-53.
Trail Creek near Wisdom, Mont.	71.0	1948-53.
Big Hole River near Dewey, Mont.	a/2,160	1910-13.
Big Hole River near Melrose, Mont.	a/2,470	1924-32†; 1932-
Birch Creek near Glen (Reichle), Mont.	-	1946-53; 1955-
Jefferson River (continuation of Red Rock-Beaverhead Rivers) near Twin Bridges, Mont.	a/7,640	1940-43.
Jefferson River near Silverstar, Mont.	a/7,840	1910-16; 1920-39.
<u>Bell Creek basin</u>		
Bell Creek near Waterloo, Mont.	-	1941-42.
<u>Pipestone Creek basin</u>		
(Big) Pipestone Creek near Whitehall, Mont.	115	1910-11.
Little Pipestone Creek near Whitehall, Mont.	a/20	1935-40.
<u>Whitetail Creek basin</u>		
Whitetail Creek near Whitehall, Mont.	-	1949-53; 1955-
Little Whitetail Creek near Whitehall, Mont.	-	1911.
Whitetail Creek at Whitehall, Mont.	-	1911.
<u>Boulder River basin</u>		
Boulder River above Rock Creek near Basin (at CCC camp, near Bernice), Mont.	-	1936; 1946-53; 1955-
Rock Creek at CCC camp, near Bernice, Mont.	-	1936.
Boulder River at Basin, Mont.	219	1921-23.
Boulder River near Basin, Mont.	-	1919-20.
Muskrat Creek near Boulder, Mont.	a/7	1912-14.
Boulder River near Boulder, Mont.	a/350	1929-31; 1934-
<u>Little Boulder River:</u>		
North Fork Little Boulder River near Boulder, Mont.	-	1926.
<u>South Boulder Creek basin</u>		
South Boulder Creek near Jefferson Island, Mont.	a/25	1926-33.
Jefferson River at Sappington, Mont.	a/8,980	1894-96*; 1896-1905; 1938-

\* Gage heights or gage heights and discharge measurements only.

† Monthly figures of discharge or contents only.

‡ Fragmentary record.

a/ Approximately.

b/ 72d Cong., 1st sess., H. Doc. 193, Jefferson, Madison, and Gallatin Rivers, Mont.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Jefferson River--Continued.		
<u>Willow Creek basin</u>		
Willow Creek near Harrison, Mont. . . . .	88.4	1938-
Norwegian Creek near Harrison, Mont. . . . .	34.6	1938-43; 1946-51.
Willow Creek Reservoir (Harrison Lake) near Harrison, Mont. . . . .	a/140	1939-†
Willow Creek near Willow Creek, Mont. . . . .	164	1919-32; 1946-53; 1955-
<u>Madison River basin</u>		
Firehole River (head of Madison River):		
Gibbon River near West Yellowstone (Yellowstone), Mont. . . . .	117	1913-16.
Madison River near West Yellowstone (Yellowstone), Mont. . . . .	419	1913-
Hebgen Lake (Reservoir) near West Yellowstone, Mont. . . . .	904	1939-†
Madison River below Hebgen Lake (Reservoir), near Grayling, Mont. . . . .	904	1938-
West Fork Madison River near Lakeview, Mont. . . . .	-	1936.
Madison River at Lyon, Mont. . . . .	a/1,300	1928-32.
Madison River near Cameron, Mont. . . . .	-	1951-
Ennis Lake (Madison Reservoir) near McAllister, Mont. . . . .	a/2,180	1939-†
Madison River below Ennis Lake (Madison Reservoir), near McAllister, Mont. . . . .	a/2,180	1938-
Madison River near Norris (Red Bluff), Mont. . . . .	a/2,280	1890-93; 1893-94*; 1910.
Madison River below Cherry Creek, near Norris (Red Bluff), Mont. . . . .	a/2,390	1897-1905.
Madison River near Three Forks, Mont. . . . .	2,485	1893-94*; 1895-97; 1928-32; 1941-50.
Missouri River (continuation of Jefferson River):		
<u>Gallatin River basin</u>		
<u>Gallatin River:</u>		
Taylor Creek near Grayling, Mont. . . . .	-	1946-53; 1955-
Gallatin River near Gallatin Gateway (Bozeman), Mont. . . . .	828	1889-94; 1930-
Gallatin (West Gallatin) River near Salesville, Mont. . . . .	848	1895-1905; 1910-13; 1921-23.
South Cottonwood Creek near Gallatin Gateway, Mont. . . . .	22.5	1951-53.
Gallatin River at Axtell Bridge, near Gallatin Gateway, Mont. . . . .	-	1950-53.
Gallatin River near Belgrade, Mont. . . . .	-	1950-53.
Gallatin River near Manhattan, Mont. . . . .	-	1950-53.
East Gallatin River near Bozeman, Mont. . . . .	49.5	1951-53.
Bear Canyon Creek near Bozeman, Mont. . . . .	17.6	1951-53.
Bozeman Creek near Bozeman, Mont. . . . .	28.0	1951-53.
East Gallatin River at Bozeman, Mont. . . . .	149	1939-
Bridger Creek near Bozeman, Mont. . . . .	62.2	1946-
Middle Cottonwood Creek near Bozeman, Mont. . . . .	4.35	1951-53.
Hyalite Creek (Middle Creek):		
Middle Creek Reservoir near Bozeman, Mont. . . . .	-	1950-†
Hyalite Creek (Middle Creek near Bozeman) at Hyalite ranger station, near Bozeman, Mont. . . . .	48.4	1895-96; 1898-1900; 1902; 1904; 1934-
<u>Smith Creek:</u>		
Ross Creek near Belgrade, Mont. . . . .	1.29	1951-53.
Reese Creek near Belgrade, Mont. . . . .	22.0	1951-53.
Dry Creek at Andrus Ranch, near Manhattan, Mont. . . . .	96.4	1951-53.
Dry Creek at Brownell Ranch, near Manhattan, Mont. . . . .	-	1951.
Gallatin River at Logan, Mont. . . . .	1,805	1893-94*; 1895-98; 1900-1905; 1928-
<u>Sixteen Mile Creek basin</u>		
Sixteen Mile Creek at Ringling, Mont. . . . .	-	1950-55.
<u>Broadwater Canal system</u>		
Broadwater East Canal near Toston, Mont. . . . .	-	1941-49.
Broadwater West Canal near Toston, Mont. . . . .	-	1941-49.
Missouri River at Toston, Mont. . . . .	a/14,000	1910-16; 1941- (1890*)c/.
<u>Crow Creek basin</u>		
Crow Creek near Townsend, Mont. . . . .	33	1912-13*.
Crow Creek near Radersburg, Mont. (Upper station) . . . . .	b/54	1901*; 1924-29.
Crow Creek near Radersburg, Mont. (Lower station) . . . . .	d/66	1919-22.
<u>Deep Creek basin</u>		
Deep Creek near Townsend, Mont. . . . .	89	1910-15*.
Missouri River near Townsend, Mont. . . . .	a/14,500	1891-96*; 1896-1901; 1903-4; (1896- 1904*)d/; (1902-16*)e/.

\* Gage heights or gage heights and discharge measurements only.

† Monthly figures of discharge or contents only.

a/ Approximately.

b/ 72d Cong., 1st sess., H. Doc. 193, Jefferson, Madison, and Gallatin Rivers, Mont.

c/ In reports of Missouri River Commission.

d/ 73d Cong., 2nd sess., H. Doc. 238, Missouri River.

e/ In reports of U. S. Weather Bureau.

## INDEX, PART 6, MISSOURI RIVER BASIN

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Lake Sewall near Helena, Mont. . . . .	d/15,700	1939-53†.
Missouri River (at Canyon Ferry) below		
Canyon Ferry Dam, Mont. . . . .	d/15,700	1889; (1917-31†)d/.
Canyon Ferry Reservoir near Helena, Mont. . . . .	a/15,860	1953-†
<u>Prickly Pear Creek basin</u>		
<u>Prickly Pear Creek:</u>		
Dutchman Creek near Alhambra, Mont. . . . .	11.2	1921-24.
Warm Springs Creek at (near) Alhambra, Mont. . . . .	18.7	1921-24.
Clancy Creek at Clancy, Mont. . . . .	33.4	1921-23.
Lump Gulch (Creek) at Foley's Ranch, near Clancy, Mont. . . . .	d/42	1921-24.
Lump Gulch (Creek) at Zastrow's Ranch, near Clancy, Mont. . . . .	d/54	1908-13.
Prickly Pear Creek near Clancy, Mont. . . . .	178	1908-9*; 1909; 1910-16; 1921-33; 1945-
Prickly Pear Creek at East Helena, Mont. . . . .	d/258	1908-13.
Tenmile Creek near Rimini, Mont. . . . .	a/34	1915-
Tenmile Creek near Helena, Mont. . . . .	103	1908-54.
Sevenmile Creek at Birdseye, Mont. . . . .	d/68	1909-13.
Sevenmile Creek near Helena, Mont. . . . .	-	1908*.
Lake Helena near Helena, Mont. . . . .	-	1945-†
Hauser Lake near Helena, Mont. . . . .	a/16,600	1939-†
Missouri River below Hauser Lake Dam, near Helena, Mont. . . . .	a/16,600	1922-42.
Holter Lake (Reservoir) near Wolf Creek, Mont. . . . .	a/16,900	1939-†
Missouri River below Holter Dam, near Wolf Creek, Mont. . . . .	-	1945-53.
<u>Little Prickly Pear Creek basin</u>		
Little Prickly Pear Creek near Marysville, Mont. (Upper station). . . . .	-	1909-11.
Lost Horse Creek near Marysville, Mont. . . . .	-	1909-11.
Deadman Creek near Marysville, Mont. . . . .	-	1909-11.
Little Prickly Pear Creek near Marysville, Mont. (Lower station). . . . .	44	1913-32.
Marsh Creek near Marysville, Mont. . . . .	d/7.5	1909-11.
Canyon Creek near Canyon Creek, Mont. . . . .	74	1921-23.
Cottonwood Creek near Canyon Creek, Mont. . . . .	17	1921-22.
Little Prickly Pear Creek near Canyon Creek, Mont. . . . .	180	1909-11; 1913-24.
Missouri River at Craig, Mont. . . . .	a/17,600	1890-92.
<u>Dearborn River basin</u>		
Dearborn River above Falls Creek, near Clemons, Mont. . . . .	-	1908-11.
Falls Creek near Clemons, Mont. . . . .	d/40	1908-11.
Dearborn River near Clemons, Mont. . . . .	122	1921-23; 1929-32; 1934-53.
Dearborn River near Craig, Mont. . . . .	-	1945-
Missouri River at Cascade, Mont. . . . .	a/18,300	1902-15.
<u>Smith River basin:</u>		
Smith River near White Sulphur Springs, Mont. . . . .	d/36	1922-31; 1934-36.
Smith River Reservoir near White Sulphur Springs, Mont. . . . .	a/60	1939-48†.
Smith River above Fivemile Creek, near White Sulphur Springs, Mont. . . . .	a/60	1934-43.
Newland Creek near White Sulphur Springs, Mont. . . . .	-	1945-53.
Newland Creek near damsite, near White Sulphur Springs, Mont. . . . .	-	1950-
Sheep Creek near White Sulphur Springs, Mont. . . . .	35.5	1941-
Smith River near Eden, Mont. . . . .	1,601	1951-
Smith River at Truly, Mont. . . . .	d/2,005	1905-7; 1929-32.
<u>Sun River basin</u>		
North Fork of North Fork Sun River near Augusta, Mont. . . . .	258	1911-12; 1945-
South Fork of North Fork Sun River near Augusta, Mont. . . . .	d/247	1911-12.
Gibson Reservoir near Augusta, Mont. . . . .	a/570	1940-†
North Fork (Sun River above Augusta) Sun River near Augusta, Mont. . . . .	596	1889-90; 1904*; 1905-28; 1936-38##.
Pishkun Reservoir near Augusta, Mont. . . . .	-	1940-†
Floweree Big Canal near Augusta, Mont. . . . .	-	1912.
Willow Creek near Augusta, Mont. . . . .	a/90	1905-25.
Willow Creek Reservoir near Augusta, Mont. . . . .	-	1940-†
South Fork Sun River:		
Smith Creek near Augusta, Mont. . . . .	26	1906-12.
Nolan Reservoir near Augusta, Mont. . . . .	-	1951-†
Ford Creek near Augusta, Mont. . . . .	18	1906-12.
Smith Creek below Ford Creek, near Augusta, Mont. . . . .	-	1945-52.

\* Gage heights or gage heights and discharge measurements only.

† Monthly figures of discharge or contents only.

## Records for this period not equivalent owing to exclusion of diversion.

a/ Approximately

d/ 73d Cong., 2nd sess., H. Doc. 238, Missouri River.



<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
<b>Missouri River--Continued.</b>		
<b>Sun River basin--Continued.</b>		
South Fork Sun River at Augusta, Mont. . . . .	200	1904*; 1905-24.
Crown Butte Canal at Riebeling, Mont. . . . .	-	1912.
Crown Butte Canal near Simms, Mont. . . . .	-	1912.
Sun River at Fort Shaw, Mont. . . . .	1,475	1912-28.
Sun River Canal near Sun River, Mont. . . . .	-	1912.
Sun River Canal at Vaughn, Mont. . . . .	-	1912.
Sun River at Sun River, Mont. . . . .	a/1,580	1905-12.
Muddy Creek near Power, Mont. . . . .	-	1935-39.
Muddy Creek at Vaughn, Mont. . . . .	/268	1925-26; 1934-
Sun River near Vaughn, Mont. . . . .	a/2,200	1934-
Sun River near Great Falls, Mont. . . . .	-	1897*.
Missouri River at Great Falls, Mont. . . . .	d/22,994	(1890*; 1894-95*)c/; (1910-11†)d/.
<b>Belt Creek basin</b>		
Belt Creek near Monarch, Mont. . . . .	-	1951-
Belt Creek near Belt, Mont. . . . .	-	1905-6.
<b>Highwood Creek basin:</b>		
Highwood Creek near Highwood, Mont. . . . .	-	1905-6.
Missouri River at Fort Benton, Mont. . . . .	a/24,600	1881-89***; 1890- (1873-76*)e/.
<b>Marias River basin</b>		
<b>Two Medicine River (head of Marias River):</b>		
<b>Lower Two Medicine Lake (Two Medicine Lake) near</b>		
East Glacier, Mont. . . . .	a/50	1940- †
<b>Two Medicine River near East Glacier</b>		
(Glacier Park), Mont. . . . .	56	1918-24.
Two Medicine River at Midvale, Mont. . . . .	-	1902-3*.
Two Medicine River near Browning (at Family), Mont. . . . .	368	1907-24; 1951-
Badger Creek near Browning, Mont. . . . .	133	1951-
Four Horns Lake (Reservoir) near Heart Butte, Mont. . . . .	-	1940- †
Badger Creek near Family, Mont. . . . .	241	1907-24.
Swift (Birch Creek) Reservoir near Dupuyer, Mont. . . . .	75	1940- †
Birch Creek at Swift Dam, near Dupuyer, Mont. . . . .	75	1913-26; 1927-29.
Birch Creek near Dupuyer, Mont. . . . .	110	1907-26; 1927-32.
Lake Frances near Valier, Mont. . . . .	-	1940- †
Birch Creek at Nelson's Ranch, near Dupuyer, Mont. . . . .	-	1914-17.
Birch Creek at Hall's Ranch, near Dupuyer, Mont. . . . .	-	1913-16.
Birch Creek at Robare, Mont. . . . .	-	1914-17.
Dupuyer Creek at Dupuyer, Mont. . . . .	54	1908-12.
Dupuyer Creek near Valier, Mont. . . . .	111	1912-26; 1927-32.
Cut Bank Creek near Browning, Mont. . . . .	a/130	1918-24.
Cut Bank Creek at Cut Bank, Mont. . . . .	971	1905-19; 1922-24; 1951-
Marias River near Shelby, Mont. . . . .	a/2,610	1902-8; 1911-
Dry Fork Marias River near Valier, Mont. . . . .	125	1911-15.
Dry Fork Marias River at Fowler, Mont. . . . .	a/300	1920-31.
Willow Creek near Devon, Mont. . . . .	a/290	1921-25.
Marias River near Chester, Mont. . . . .	-	1921; 1945-47.
Marias River near Brinkman, Mont. . . . .	a/6,400	1921-
Teton River near Farmington, Mont. . . . .	111	1947-54.
Teton River at Strabane (near Belleview), Mont. . . . .	170	1904-6*; 1908-25.
Spring Creek near Strabane, Mont. . . . .	-	1913; 1917-20.
Spring Creek near Choteau, Mont. . . . .	-	1917-20.
Teton River near Choteau, Mont. . . . .	a/260	1904-6*; 1906; 1913; 1915-19.
Deep Creek at Frazier's Ranch, near Choteau, Mont. . . . .	38	1912.
Willow Creek near Choteau, Mont. . . . .	a/120	1912-17.
Deep Creek near Choteau, Mont. . . . .	a/240	1911-24.
Muddy Creek near Bynum, Mont. . . . .	82	1912-24.
Blackleaf Creek near Bynum, Mont. . . . .	65	1912-24.
Muddy Creek near Agawam, Mont. . . . .	-	1917.
Teton River near Dutton, Mont. . . . .	-	1954-
Teton River near Fort Benton, Mont. . . . .	d/1,945	1929-32.
Missouri River at Loma, Mont. . . . .	a/34,100	1935-53.
Missouri River at Virgelle, Mont. . . . .	a/34,300	1953-
<b>Judith River basin</b>		
Judith River near Utica, Mont. . . . .	331	1919-
Ackley Lake near Hobson, Mont. . . . .	-	1939- †
Ross Fork near Hobson, Mont. . . . .	a/330	1946-53; 1955-

\* Gage heights or gage heights and discharge measurements only.

† Monthly figures of discharge or contents only.

\*\*\* Records unreliable.

a/ Approximately.

c/ In reports of Missouri River Commission.

d/ 73d Cong., 2nd sess., H. Doc. 238, Missouri River.

e/ In reports of U. S. Weather Bureau.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
<b>Missouri River--Continued.</b>		
<b>Judith River basin--Continued.</b>		
Big Spring Creek near Lewistown, Mont. . . . .	-	1932-
Cottonwood Creek near Lewistown, Mont. . . . .	-	1945-48; 1949-51.
Sage Creek at Windham, Mont. . . . .	58	1920-21.
Judith River near Lewistown, Mont. . . . .	-	1910.
Judith River near Winifred, Mont. . . . .	d/2,150	1929-32.
Wolf Creek near Stanford, Mont. (Upper station) . . . . .	-	1920-26.
Wolf Creek near Stanford, Mont. (Lower station) . . . . .	118	1950-53; 1955-
Missouri River at power-plant ferry, near Zortman, Mont. . . . .	a/40,600	1934-
<b>Musselshell River basin</b>		
North Fork Musselshell River near Delpine, Mont. . . . .	21.8	1940-
North Fork Musselshell River at Delpine, Mont. . . . .	48	1909-11; 1922-32.
Durand Reservoir near Delpine, Mont. . . . .	a/70	1940- †
Checkerboard Creek at Delpine, Mont. . . . .	24.3	1909-11; 1913-14; 1922-32.
Spring Creek near Martinsdale, Mont. . . . .	35	1922-24.
North Fork Musselshell River near Martinsdale, Mont. . . . .	f/230	1907-14.
South Fork Musselshell River above Martinsdale, Mont. . . . .	a/310	1941-
Martinsdale Reservoir near Martinsdale, Mont. . . . .	-	1940- †
South Fork Musselshell River near Martinsdale, Mont. . . . .	f/320	1907-14; 1930-32.
Big Elk Creek at Twodot, Mont. . . . .	-	1953-
Musselshell River at Harlowton, Mont. . . . .	a/1,130	1907-
American Fork near Harlowton, Mont. . . . .	f/100	1907-11; 1913; 1924-32.
Lebo Creek near Harlowton, Mont. . . . .	48	1907-8*; 1909-11; 1913; 1924-32.
American Fork below Lebo Creek, near Harlowton, Mont. . . . .	-	1946-
Deadman's Basin Reservoir near Shawmut, Mont. . . . .	-	1940- ††
Musselshell River at Shawmut, Mont. . . . .	f/1,580	1902-5*; 1905-7.
Musselshell River near Ryegate, Mont. . . . .	-	1946-
Careless Creek near Living Springs, Mont. . . . .	18.5	1920-23.
West Careless Creek near Living Springs, Mont. . . . .	20	1920-21.
Roberts Creek at Hedgesville, Mont. . . . .	300	1920-23.
Careless Creek at Wallum, Mont. . . . .	a/400	1934-42.
Musselshell River at Lavina, Mont. . . . .	-	1906*.
Musselshell River near Roundup, Mont. . . . .	-	1946-47; 1949-
South Willow Creek (Willow Creek), near Roundup, Mont. . . . .	-	1922-23*.
Musselshell River at Musselshell, Mont. . . . .	f/4,760	1928-32; 1945- (1905-6*)e/.
Box Elder Creek near Winnett, Mont. . . . .	a/740	1930-32; 1934-38.
McDonald Creek at Winnett, Mont. . . . .	a/350	1930-32; 1934-45; 1953-
Flatwillow Creek near Flatwillow, Mont. . . . .	195	1911-32; 1934-
Flatwillow Creek near Winnett, Mont. . . . .	-	1948-51.
Flatwillow Creek at Petrolia, Mont. . . . .	650	1921-32.
Musselshell River at Mosby, Mont. . . . .	a/8,010	1929-32; 1934-
<b>Dry Creek basin</b>		
Dry Creek near Van Norman, Mont. . . . .	a/2,530	1939-47; 1949-
Fort Peck Reservoir at Fort Peck, Mont. . . . .	57,725	1938- †; (1937-38)g/.
Missouri River below Fort Peck Dam, Mont. . . . .	a/57,800	1934-
<b>Milk River basin</b>		
South Fork Milk River near international boundary, near Browning, Mont. . . . .	288	1905-30.
South Fork Milk River near international boundary. . . . .	433	1931-
North Fork Milk River (North Fork Milk River near Browning) above St. Mary Canal, near Browning, Mont. . . . .	a/62	1911-12; 1918*; 1921-
St. Mary Canal at Hudson Bay Divide, near Browning, Mont. . . . .	-	1917 - (Published in Part 5)
North Fork Milk River near international boundary (Kimball, Alberta) . . . . .	101	1913- ; (1909-12)h/.
Milk River at Milk River, Alberta. . . . .	1,104	1909-17; 1917-20†; 1920-
Milk River at eastern crossing of international boundary	2,514	1909-
Wild Horse Lake closed basin (not tributary to Milk River):		
Sage Creek at "Q" Ranch, near Wildhorse, Alberta. . . . .	164	1952- ; (1935-44; 1946-51)h/.
Sage Creek at international boundary. . . . .	-	1947- ; (1946)h/.
Fresno Reservoir near Havre, Mont. . . . .	a/3,400	1940- †

\* Gage heights or gage heights and discharge measurements only.

† Monthly figures of discharge or contents only.

‡ Fragmentary record.

a/ Approximately.

d/ 73d Cong., 2nd sess., H. Doc. 238, Missouri River.

e/ In reports of U. S. Weather Bureau.

f/ 72nd Cong., 1st sess., H. Doc. 146, Musselshell River.

g/ In files in office of Missouri River Division, Corps of Engineers.

h/ In reports of Department of Northern Affairs and National Resources, Canada.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Milk River basin--Continued.		
Milk River above Havre, Mont. . . . .	a/3,400	1928-32.
Big Sandy Creek near Big Sandy, Mont. . . . .	-	1946-51.
Sage Creek near Kremlin, Mont. . . . .	-	1945-51.
Big Sandy Creek near Box Elder, Mont. . . . .	a/1,500	1928-32; 1934-38.
Big Sandy Creek near Laredo, Mont. . . . .	1/1,956	1918-20.
Big Sandy Creek near Assiniboine, Mont. . . . .	-	1946-53.
Beaver Creek near Havre, Mont. . . . .	1/95	1918-21.
Milk River at Havre, Mont. . . . .	1/5,707	1898-1922; 1954-
Boxelder (Little Boxelder) Creek near Havre, Mont. . . . .	-	1919-21.
Boxelder Creek at P. X. Ranch (Little Boxelder Creek) near Havre, Mont. . . . .	-	1918
Clear Creek near Bearpaw, Mont. . . . .	74	1918-21.
Fort Belknap Canal near Chinook, Mont. . . . .	-	1903-21.
Milk River at Lohman, Mont. . . . .	a/6,070	1923-25; 1934-51.
Milk River at Chinook, Mont. . . . .	-	1897*.
New Paradise Valley (Winter-Anderson) Canal near Chinook, Mont. . . . .	-	1906-8; 1920-21.
Lodge Creek at international boundary . . . . .	797	1917-51; (1910-16)h/.
McRae Coulee at international boundary . . . . .	a/53	1927-51.
Lodge Creek below McRae Coulee at international boundary . . . . .	a/850	1951-
North Chinook Canal near Havre, Mont. . . . .	-	1928-
Reser ditch near Chinook, Mont. . . . .	-	1905; 1906*.
West Fork ditch near Chinook, Mont. . . . .	-	1905-6.
Lodge Creek (West Fork Milk River) at Chinook, Mont. . . . .	1/1,279	1906-7; 1908*.
Battle Creek above Cypress Lake west inflow canal, near West Plains, Saskatchewan. . . . .	240	1947- ; (1939-46)h/.
Cypress Lake west inflow canal near West Plains, Saskatchewan. . . . .	-	1947- ; (1939-46)h/.
Cypress Lake west outflow canal near West Plains, Saskatchewan. . . . .	-	1947- ; (1940-46)h/.
Battle Creek at international boundary . . . . .	726	1917-
Woodpile Coulee near international boundary . . . . .	a/70	1927-
East Fork Battle Creek near international boundary . . . . .	a/95	1927-
Lyons Coulee at international boundary . . . . .	47	1927-
Battle Creek (North Fork Milk River) near Chinook, Mont. . . . .	1,430	1905-21.
Cook Canal near Chinook, Mont. . . . .	-	1905-19.
Matheson Canal near Chinook, Mont. . . . .	-	1905-21, 1928-49; 1950-
Paradise Valley Canal near Chinook, Mont. . . . .	-	1903*; 1904-9; 1911-19.
Harlem Canal near Zurich, Mont. . . . .	-	1903*; 1904-21.
Agency ditch near Harlem, Mont. . . . .	-	1905; 1906-9*; 1910-20.
Peoples Creek near Dodson, Mont. . . . .	a/720	1918-19; 1921; 1951-
Nelson Reservoir near Saco, Mont. . . . .	-	1940-†
Milk River at Malta, Mont. . . . .	1/12,457	1902-22.
Whitewater Creek near international boundary . . . . .	a/300	1927-
Belanger Creek (head of Frenchman River): Belanger Creek diversion canal near Vidora, Saskatchewan. . . . .	-	1947- ; (1946)h/.
Cypress Lake Reservoir near Vidora, Saskatchewan. . . . .	-	1947-†; (1939-47)h/.
Cypress Lake east outflow canal near Vidora, Saskatchewan. . . . .	-	1947- ; (1940-46)h/.
Frenchman River above East End Reservoir (at Phillip's Ranch) near Ravenscrag, Saskatchewan. . . . .	598	1912-17; 1947- ; (1937-46)h/.
East End Canal at East End, Saskatchewan. . . . .	-	1947- ; (1937-46)h/.
East End Reservoir at East End, Saskatchewan. . . . .	-	1947-†; (1937-46†)h/.
Frenchman River below East End Reservoir, near East End, Saskatchewan. . . . .	648	1947- ; (1939-46)h/.
Frenchman River at East End, Saskatchewan . . . . .	-	(1909-16; 1918-31; 1935-37)h/.
Frenchman River at Morrisons, near East End, Saskatchewan . . . . .	774	1947-52; (1937-46)h/.
Frenchman River at 50-Mile (at 76 Ranch), near Bracken, Saskatchewan. . . . .	1,130	1914-21; 1947-52; (1922-31; 1935-46)h/.
Val Marie west gravity canal near Val Marie, Saskatchewan. . . . .	-	1947-; (1946)h/.
Val Marie West Reservoir near Val Marie, Saskatchewan . . . . .	-	1947-†; (1940-47†)h/.
Val Marie Canal near Val Marie, Saskatchewan. . . . .	-	1947- ; (1937-46)h/.
Val Marie Reservoir near Val Marie, Saskatchewan. . . . .	-	1947-† (1937-46†)h/.
Frenchman River below Val Marie, Saskatchewan . . . . .	a/1,620	1947-52; (1937-46)h/.
Frenchman River at international boundary . . . . .	a/2,020	1917-
Frenchman Canal near Saco, Mont. . . . .	-	1928-

\* Gage heights or gage heights and discharge measurements only.

† Monthly figures of discharge or contents only.

a/ Approximately.

h/ In reports of Department of Northern Affairs and National Resources, Canada.

1/ 73d Cong., 1st sess., H. Doc. 88, Milk River.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
<u>Missouri River--Continued.</u>		
<u>Milk River basin--Continued.</u>		
Beaver Creek near Malta, Mont. . . . .	<u>1</u> /1,130	1917-21.
Beaver Creek overflow near Bowdoin, Mont. . . . .	-	1903-6; 1908-10; 1911*; 1912.
Beaver Creek near Bowdoin, Mont. . . . .	-	1920-21.
Beaver Creek at Craig's Ranch, near Saco, Mont. . . . .	-	1903*; 1904-6; 1908-12.
Beaver Creek near Brady's Ranch, at Ashfield, Mont. . . . .	-	1918.
Beaver Creek near Hinsdale, Mont. . . . .	<u>1</u> /2,045	1918-21.
<u>Rock Creek:</u>		
Bowrey ditch near Barnard, Mont. . . . .	-	1914*; (1920-31) <u>h</u> /.
Rock Creek at international boundary (near Barnard, Mont.) . . . . .	242	1914-15. 1927-
Horse Creek at international boundary (near Barnard, Mont.) . . . . .	<u>a</u> /71	1914-17; 1918-26†; 1927-
Rock Creek below Horse Creek near international boundary (near Barnard, Mont.) . . . . .	<u>a</u> /320	1916-26.
McEachern (McEachran) Creek at international boundary	<u>a</u> /160	1927-; (1924-26) <u>h</u> /.
Rock Creek Canal near Hinsdale, Mont. . . . .	-	1905-7*; 1918-20.
Rock Creek near Hinsdale, Mont. . . . .	<u>1</u> /1,396	1906-7; 1912-20.
Milk River at Hinsdale, Mont. . . . .	-	1908-14.
Milk River near Vandalia, Mont. . . . .	<u>a</u> /21,900	1915-20; 1928-39.
<u>Willow Creek:</u>		
Sheepshed Reservoir (on North Fork Willow Creek) Mont.	11.3	1955- <u>1</u> /
Halfway Reservoir, Mont. . . . .	<u>k</u> /16.2	1955- <u>1</u> /
Burnett Northwest Reservoir (on Lone Tree Creek) Mont. . . . .	5.0	1954- <u>1</u> /
Willow Creek near Glasgow, Mont. . . . .	536	1953-
Milk River at Nashua, Mont. . . . .	<u>a</u> /23,300	1939-
Porcupine Creek at Nashua, Mont. . . . .	<u>1</u> /729	1908*; 1909-24.
<u>Little Porcupine Creek basin</u>		
Little Porcupine Creek at Frazer, Mont. . . . .	<u>d</u> /344	1908*; 1909-16; 1918-19.
<u>Wolf Creek basin</u>		
Wolf Creek ditch at Wolf Point, Mont. . . . .	-	1909.
Wolf Creek near Wolf Point, Mont. . . . .	<u>d</u> /244	1908*; 1909-14; 1950-53.
Missouri River near Wolf Point, Mont. . . . .	<u>a</u> /83,200	1928-; (1891-96*) <u>c</u> /; (1905-25*) <u>e</u> /.
<u>Redwater Creek basin</u>		
Redwater Creek at Circle, Mont. . . . .	534	1929-
<u>Poplar River basin:</u>		
Middle Fork Poplar River at international boundary . . . . .	381	1931-
East Fork Poplar River at international boundary . . . . .	256	1931-
East Fork Poplar River near Scobey, Mont. . . . .	-	1935-39.
West Fork Poplar River at international boundary . . . . .	141	1931-52.
West Fork Poplar River near Richland, Mont. . . . .	<u>a</u> /420	1935-49.
Poplar River near Bredette, Mont. . . . .	<u>a</u> /2,840	1934-47.
Poplar River near Poplar, Mont. . . . .	<u>d</u> /3,070	1908*; 1909-24; 1947-
<u>Big Muddy Creek basin</u>		
Big Muddy Creek at international boundary. . . . .	-	1949-51.
Beaver Creek near international boundary . . . . .	-	1949-52.
Big Muddy Creek at Daleview, Mont. . . . .	-	1947-
Big Muddy Creek at Plentywood, Mont. . . . .	-	1948-53.
Big Muddy Creek at Reserve, Mont. . . . .	<u>d</u> /1,385	1920-24; 1950-53.
Wolf Creek near Medicine Lake, Mont. . . . .	<u>d</u> /160	1918-19.
Smoke Creek near Poplar, Mont. . . . .	-	1918.
Big Muddy Creek near Culbertson, Mont. . . . .	<u>d</u> /2,784	1908*; 1909-21.
Missouri River near Culbertson, Mont. . . . .	<u>a</u> /92,500	1941-51.
<u>Yellowstone River basin</u>		
<u>Yellowstone Lake at Lake Hotel, Yellowstone</u>		
National Park. . . . .	<u>a</u> /1,010	1921- *
<u>Yellowstone River at Yellowstone Lake outlet,</u>		
Yellowstone National Park. . . . .	<u>a</u> /1,010	1922-26*; 1926-
<u>Yellowstone River near Canyon Hotel,</u>		
Yellowstone National Park. . . . .	<u>a</u> /1,160	1913-51
<u>Tower Creek at Tower Falls, Yellowstone</u>		
National Park. . . . .	51	1922-43

\* Gage heights or gage heights and discharge measurements only.

† Fragmentary record.

a/ Approximately.

c/ In reports of Missouri River Commission.

d/ 73d Cong., 2nd sess., H. Doc. 238, Missouri River.

e/ In reports of U. S. Weather Bureau.

h/ In reports of Department of Northern Affairs and National Resources, Canada.

i/ 73d Cong., 1st sess., H. Doc. 88, Milk River.

j/ Storm runoff for summer season only (report in preparation).

k/ Includes drainage area of upstream reservoirs.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Yellowstone River basin--Continued.		
Lamar River near Tower Falls ranger station, Yellowstone National Park. . . . .	640	1922-
Blacktail Deer Creek: East Fork Blacktail Deer Creek near Mammoth, Yellowstone National Park. . . . .	10.3	1937-41
Blacktail Deer Creek near Mammoth, Yellowstone National Park. . . . .	14.8	1937-45
Bear Creek at Jardine, Mont. . . . .	-	1946-49.
Gardiner River: Lava Creek: Lupine Creek near Mammoth, Yellowstone National Park	4.6	1937-41
Gardiner River at Mammoth (Hotel) (near Mammoth Hot Springs), Yellowstone National Park. . . . .	198	1922-38
Gardiner River near Mammoth, Yellowstone National Park . . . . .	200	1938-
Yellowstone River at Corwin Springs (Horr), Mont. . . . .	a/2,630	1889-93; 1910-
Mill Creek near Pray, Mont. . . . .	-	1951-
Yellowstone River near Livingston, Mont. . . . .	a/3,580	1897-1905; 1928-32; 1938-
Shields River near Wilsall, Mont. . . . .	a/85	1935-
Shields River at Clyde Park, Mont. . . . .	544	1921-23; 1929-32; 1934-
Brackett Creek near Clyde Park, Mont. . . . .	56.5	1921-23; 1934-
Canyon Creek near Chadbourn, Mont. . . . .	-	1923.
Bangtail Creek at Chadbourn, Mont. . . . .	-	1923.
Willow Creek near Chadbourn, Mont. . . . .	-	1923.
North Fork Big Timber Creek near Big Timber, Mont. . . . .	40	1907-11.
South Fork Big Timber Creek near Big Timber, Mont. . . . .	10	1907-11.
Big Timber Creek near Big Timber, Mont. . . . .	72	1912-24.
Boulder River near Contact, Mont. . . . .	236	1910-16; 1929; 1950-
East Fork Boulder River near McLeod, Mont. . . . .	-	1907-9.
West Fork Boulder River near Bruffeys, Mont. . . . .	94	1904-8; 1909-10.
West Fork Boulder River at McLeod, Mont. . . . .	137	1907-14.
Boulder River near McLeod, Mont. . . . .	-	1912-14.
Boulder River at Big Timber, Mont. . . . .	-	1947-53; 1955-
Sweetgrass Creek above Melville, Mont. . . . .	59.6	1907-24; 1937-
Sweetgrass Creek below Melville, Mont. . . . .	137	1907-24; 1937-42; 1946-52.
Sweetgrass Creek near Greycliff, Mont. . . . .	-	1941-42.
Stillwater River: Woodbine Creek near Nye, Mont. . . . .	-	1912-13*; 1924-27.
Stillwater River near Nye, Mont. . . . .	187	1912-13*; 1924-27; 1929-32.
East Rosebud Creek near Roscoe, Mont. . . . .	98	1920-21.
East Rosebud Creek at Roscoe, Mont. . . . .	115	1921-24.
West Rosebud Creek: Mystic Lake near Roscoe, Mont. . . . .	a/55	1939- +
Rosebud Creek near (at) Absarokee, Mont. . . . .	a/380	1910-14; 1935-
Stillwater River near (at) Absarokee, Mont. . . . .	a/960	1910-14; 1935-
Clarks Fork above Squaw Creek near Painter, Wyo. . . . .	144	1945-51.
Clarks Fork below Crandall Creek, near Painter, Wyo. . . . .	401	1929-32; 1949-
Sunlight Creek near Painter, Wyo. . . . .	139	1929-32; 1945-
Clarks Fork near Clark, Wyo. . . . .	929	1919-24.
Clarks Fork at Chance, Mont. . . . .	a/1,140	1921-
Clarks Fork at Fromberg, Mont. . . . .	-	1905-13.
Clarks Fork at Edgar, Mont. . . . .	a/1,940	1921-
Rock Creek: Glacier Lake near Red Lodge, Mont. . . . .	a/40	1939-47†.
Rock Creek near Red Lodge, Mont. . . . .	a/100	1932; 1934-
West Fork Rock Creek below Basin Creek, near Red Lodge, Mont. . . . .	a/60	1937-
West Fork Rock Creek near Red Lodge, Mont. . . . .	a/80	1932; 1934-44.
Red Lodge Creek above Cooney Reservoir, near Boyd, Mont. . . . .	a/140	1937-
Willow Creek near Boyd, Mont. . . . .	a/45	1937-
Cooney Reservoir near Boyd, Mont. . . . .	a/210	1939- +
Red Lodge Creek below Cooney Reservoir, near Boyd, Mont. . . . .	a/210	1937-
Red Lodge Creek near Boyd, Mont. . . . .	-	1932; 1934-36.
Rock Creek at Joliet, Mont. . . . .	-	1945-53.
Rock Creek at Rockvale, Mont. . . . .	a/550	1920-22; 1932-40.
Yellowstone River at Billings, Mont. . . . .	a/11,870	1904-5; 1928- ; (1905-16*)e/
Pryor Creek above Pryor, Mont. . . . .	-	1921-24.

\* Gage heights, or gage heights and discharge measurements only.

† Monthly figures of discharge or contents only.

a/ Approximately.

e/ In reports of U. S. Weather Bureau.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Yellowstone River basin--Continued.		
Pryor Creek at Pryor, Mont. . . . .	-	1921-24.
Lost Creek near Pryor, Mont. . . . .	-	1921-24.
Pryor Creek near Billings (at Coburn), Mont. . . . .	a/400	1911-24; 1938-53.
Pryor Creek at Huntley, Mont. . . . .	800	1904-16.
Yellowstone River at Huntley, Mont. . . . .	a/12,000	1907-16.
Yellowstone River at Junction, Mont. . . . .	a/13,500	1906-7.
Wind River (head of Bighorn River) near Dubois, Wyo. . . . .	233	1945-
Warm Spring Creek near Dubois, Wyo. . . . .	-	1911-12*.
Horse Creek at Dubois, Wyo. . . . .	133	1910-12†.
Wind River at Dubois, Wyo. . . . .	486	1910-12.
Red Creek near Dubois, Wyo. . . . .	-	1909*.
East (North) Fork Wind River near Dubois, Wyo. . . . .	439	1950-
Dinwoody Creek near Burris (Crowheart, Lenore), Wyo. . . . .	114	1909†; 1918-30; 1950-
Wind River near Burris, Wyo. . . . .	a/1,220	1946-53.
Dry Creek near Burris (Crowheart, Lenore), Wyo. . . . .	a/57	1909*; 1921-40.
Meadow Creek near Lenore (J. K. ranch post office), Wyo. . . . .	a/55	1909*; 1921-23.
Willow Creek near Crowheart (J. K. ranch post office, Lenore), Wyo. . . . .	a/50	1909†; 1921-23; 1925-40.
Bull Lake Creek above Bull Lake Reservoir, Wyo. . . . .	178	1941-53.
Bull Lake (Reservoir on Bull Lake Creek), Wyo. . . . .	-	1938-†
Bull Lake Creek near Lenore, Wyo. . . . .	222	1918-
Wind River near Crowheart, Wyo. . . . .	a/1,920	1945-
Wyoming Canal near Lenore, Wyo. . . . .	-	1949- ; (1942-45)1/.
Pilot Canal:		
Pilot wasteway near Morton, Wyo. . . . .	-	1949-53.
Pilot Canal near Morton, Wyo. . . . .	-	1949-53; (1943-45)1/.
Wyoming Canal below Pilot diversion, near Morton, Wyo. . . . .	-	1949-53; (1941-45)1/.
Wind (Big Wind) River at (near) Riverton (near Arapahoe Agency), Wyo. . . . .	a/2,320	1906-8; 1911-27; 1928-
Middle (Middle Fork) Popo Agie River		
(Popo Agie River) near Lander, Wyo. . . . .	a/84	1911-12; 1918-24.
North Popo Agie River near Milford, Wyo. . . . .	a/99	1945-
North (North Fork) Popo Agie River near Lander, Wyo. . . . .	a/140	1938-53.
Popo Agie River:		
Little Popo Agie River near Lander (at Dallas), Wyo. . . . .	108	1946- ; (1914)m/.
Little Popo Agie River at Hudson, Wyo. . . . .	331	1907-9; 1911-12; 1914†; 1915-17; 1938-53; (1913-14)m/.
(South Fork) Little Wind River near		
Fort Washakie, Wyo. . . . .	118	1921-40.
North Fork Little Wind River at		
Fort Washakie, Wyo. . . . .	127	1921-40.
Little Wind River at Fort Washakie, Wyo. . . . .	-	1908-9.
Trout Creek at Wind River, Wyo. . . . .	-	1909.
Little Wind River near Arapahoe, Wyo. . . . .	a/640	1950-53.
Little Wind River above Arapahoe, Wyo. . . . .	716	1906-9; 1911-12; 1913-14†; 1915-18; (1913-14)m/.
Popo Agie (Little Wind) River below Arapahoe, Wyo. . . . .	a/1,530	1906-9; 1911-12; 1913-14†; 1915-18; (1913-14)m/.
Beaver Creek near Lander, Wyo. . . . .	118	1938-40; (1941†)m/.
Beaver Creek near Arapahoe, Wyo. . . . .	a/410	1950-53.
Popo Agie River near Riverton, Wyo. . . . .	a/2,010	1941-
Kirby Draw near Riverton, Wyo. . . . .	a/155	1951-53.
Muskrat Creek:		
Lower Fraser diversion reservoir (on Fraser Draw), Wyo. . . . .	27.4	1953- 1/
Mahoney reservoir (on Mahoney Draw), Wyo. . . . .	9.82	1952- 1/
Conant Creek:		
Horseshoe Creek:		
Signor Reservoir (on Signor Draw), Wyo. . . . .	7.15	1952- 1/
Rongis Reservoir (on Logan Draw), Wyo. . . . .	37.0	1954- 1/
Rongis Reservoir Canal. . . . .	-	1953 1/
Muskrat Creek near Shoshoni, Wyo. . . . .	a/760	1950-

\* Gage heights, or gage heights and discharge measurements only.

† Monthly figures of discharge or contents only.

a/ Approximately.

1/ Storm runoff for summer season only (report in preparation).

1/ In files of State engineer of Wyoming.

m/ In reports of State engineer of Wyoming.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Yellowstone River basin--Continued.		
Wind River--Continued.		
Maverick Springs Draw (head of Fivemile Creek):		
Coal Draw:		
Reservoir No. 9 (on Paintpot Draw), Wyo. . . . .	0.64	1954- <u>1</u> / <u>1</u>
Reservoir No. 8, Wyo. . . . .	<u>k</u> /1.00	1954- <u>1</u> / <u>1</u>
Reservoir No. 7, Wyo. . . . .	<u>k</u> /4.57	1954- <u>1</u> / <u>1</u>
Reservoir No. 10, Wyo. . . . .	.13	1954- <u>1</u> / <u>1</u>
Reservoir No. 6, Wyo. . . . .	<u>k</u> /5.07	1954- <u>1</u> / <u>1</u>
Reservoir No. 5, Wyo. . . . .	<u>k</u> /5.14	1954- <u>1</u> / <u>1</u>
Reservoir No. 4, Wyo. . . . .	<u>k</u> /5.77	1954- <u>1</u> / <u>1</u>
Reservoir No. 3, Wyo. . . . .	<u>k</u> /5.84	1954- <u>1</u> / <u>1</u>
Reservoir No. 1, Wyo. . . . .	<u>k</u> /5.91	1954- <u>1</u> / <u>1</u>
Lower Teapot Reservoir (on Teapot Draw), Wyo. . . . .	13.5	1954- <u>1</u> / <u>1</u>
Fivemile Creek above Wyoming Canal, near Pavillion, Wyo. . . . .	143	1949-
Fivemile Creek near Pavillion, Wyo. . . . .	-	1948-49.
Power line wasteway near Pavillion, Wyo. . . . .	-	1949-50.
Pavillion drain near Pavillion, Wyo. . . . .	-	1948-50.
Ocean drain at Ocean Lake outlet, near Pavillion, Wyo. . . . .	-	1948-53.
Ocean drain near Pavillion, Wyo. . . . .	-	1948-53.
Dudley wasteway near Pavillion, Wyo. . . . .	-	1949-50.
Kellett drain near Pavillion, Wyo. . . . .	-	1948-50.
Dewey drain near Pavillion, Wyo. . . . .	-	1948-50.
Fivemile 76 drain near Riverton, Wyo. . . . .	-	1949-50.
Sand Gulch drain and wasteway near Riverton, Wyo. . . . .	-	1949-50.
Fivemile Creek near Riverton, Wyo. . . . .	342	1949-
Lost Wells Butte drain near Riverton, Wyo. . . . .	-	1949-50.
Coleman drain near Shoshoni, Wyo. . . . .	-	1948-50.
Sand Gulch near Shoshoni, Wyo. . . . .	-	1948-53.
Eagle drain near Shoshoni, Wyo. . . . .	-	1948-50.
Lateral P-34.9 wasteway near Shoshoni, Wyo. . . . .	-	1949-50.
Fivemile Creek near Shoshoni, Wyo. . . . .	397	1941-42; 1948-
Lateral P-36.8 wasteway near Shoshoni, Wyo. . . . .	-	1949-50.
Poison Creek:		
Graham Draw:		
East Fork Reservoir, Wyo. . . . .	.81	1949- <u>1</u> / <u>1</u>
West Fork Reservoir, Wyo. . . . .	.38	1947- <u>1</u> / <u>1</u>
Graham Reservoir, Wyo. . . . .	<u>k</u> /3.12	1947- <u>1</u> / <u>1</u>
Poison Creek near Shoshoni, Wyo. . . . .	519	1949-50; 1950-52†; 1952-53.
Badwater Creek at Lybyer Ranch, near Lost Cabin, Wyo. . . . .	138	1948-
Badwater Creek at Lost Cabin, Wyo. . . . .	178	1945-48.
Badwater Creek at Bonneville, Wyo. . . . .	<u>a</u> /790	1947-
Muddy Creek near Pavillion, Wyo. . . . .	257	1949-
Muddy Creek near Shoshoni, Wyo. . . . .	<u>a</u> /340	1949-
Dry Cottonwood Creek near Bonneville, Wyo. . . . .	<u>a</u> /170	1949-53.
Wind River below Boysen Reservoir (Dam), Wyo. . . . .	7,741	1951-
Bighorn River at Thermopolis, Wyo. . . . .	<u>a</u> /8,080	1900-1905; 1910-12; 1913-14†; 1915-53; (1913-14) <u>m</u> /.
South Fork Owl Creek near Anchor, Wyo. . . . .	<u>a</u> /86	1939-43.
South Fork Owl Creek above Curtis Ranch, near Thermopolis, Wyo. . . . .	139	1943-
South Fork Owl Creek at Curtis Ranch, near Thermopolis, Wyo. . . . .	142	1931-32; 1938-43.
South Fork Owl Creek near Thermopolis (Owl Creek near Ember), Wyo. . . . .	191	1921-22; 1929-32.
North Fork Owl Creek near Anchor, Wyo. . . . .	54.9	1941-
North Fork Owl Creek at Crann Ranch, near Thermopolis, Wyo. . . . .	<u>a</u> /97	1938-39.
North Fork Owl Creek near Thermopolis, Wyo. . . . .	100	1930-32.
Mud Creek near Thermopolis, Wyo. . . . .	118	1938-39.
Owl Creek near Thermopolis, Wyo. . . . .	484	1910-12; 1915-17; 1931-32; 1938-; (1913-14) <u>m</u> /.
Owl Creek near Lucerne, Wyo. . . . .	505	1932-33; 1938-53.
Kirby Creek near Lucerne, Wyo. . . . .	240	1941-45.
Cottonwood Creek at Winchester, Wyo. . . . .	432	1944-45; (1941-44†) <u>m</u> /.

† Monthly figures of discharge or contents only.

a/ Approximately.j/ Storm runoff for summer season only (report in preparation).k/ Includes drainage area of upstream reservoirs.m/ In reports of State engineer of Wyoming.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Yellowstone River basin--Continued.		
Bighorn River--Continued.		
Gooseberry Creek near Grass Creek, Wyo. . . . .	155	1945-
Gooseberry Creek near Dickie, Wyo. . . . .	303	1938-40; (1940-41†)m/.
Gooseberry Creek at Pulliam, Wyo. . . . .	371	1914-43; 1945-46; 1947-53; (1943-44†)m/.
Fifteenmile Creek:		
Red Snires Reservoir (on Rock Waterhole Creek), Wyo. . . . .	5.24	1954- <u>1</u> /
Big Gin Reservoir (on unnamed tributary), Wyo. . . . .	.94	1954- <u>1</u> /
Fifteenmile Creek near Worland, Wyo. . . . .	a/500	1951- ; (1941-44†)m/.
Bighorn River near Manderson, Wyo. . . . .	-	1949-53.
Bighorn River at Manderson, Wyo. . . . .	a/11,900	1941-49.
Nowood Creek near Tensleep, Wyo. . . . .	805	1938-43; 1950-55.
Tensleep Creek:		
Canyon Creek near Tensleep, Wyo. . . . .	66.3	1939-44.
Tensleep Creek near Tensleep, Wyo. . . . .	228	1910-12; 1915-24; 1943-
Paintrock Creek below Lake Solitude, Wyo. . . . .	15.1	1946-53.
Paintrock Creek at Longview ranger station near Hyattville, Wyo. . . . .	a/81	1911-12*.
Paintrock Creek near Hyattville, Wyo. . . . .	164	1920-27; 1941-55.
Medicine Lodge Creek near Hyattville, Wyo. . . . .	a/86	1943-
Paintrock Creek near Bonanza, Wyo. . . . .	398	1910-12; 1912-13†; 1915-22; (1912-13)m/.
Nowood Creek at Bonanza, Wyo. . . . .	a/1,790	1910-12; 1913-14†; 1915-28; (1913-14)m/.
Greybull River near Pitchfork, Wyo. . . . .	309	1946-49; 1951-
Wood River at Sunshine, Wyo. . . . .	a/200	1945-
Wood River near Meeteetse, Wyo. . . . .	218	1910-12; 1915-16; 1917*; 1930-49.
Greybull River near Meeteetse, Wyo. . . . .	a/680	1910-12; 1915-16.
Greybull River at Meeteetse, Wyo. . . . .	a/690	1897; 1903*; 1920-
Bench Canal near Burlington, Wyo. . . . .	-	1930-38.
Greybull River near Basin, Wyo. . . . .	a/1,130	1930-
Dry Creek at Greybull, Wyo. . . . .	-	1951-53.
Shell Creek near Shell, Wyo. . . . .	148	1941-
Shell Creek at (near) Shell, Wyo. . . . .	256	1913-14†; 1915-23; (1911-14)m/.
Bighorn River at Kane, Wyo. . . . .	a/15,900	1928-
North Fork Shoshone River near Wapiti, Wyo. . . . .	a/800	1921-26.
South Fork Shoshone River (Shoshone River) near Ishawooa, Wyo. . . . .	532	1915-24.
South Fork Shoshone River (Shoshone River) above Buffalo Bill (Shoshone) Reservoir (at Marquette), Wyo. . . . .	-	1903; 1905-8; 1921-26.
Buffalo Bill (Shoshone) Reservoir, Wyo. . . . .	-	1938-41; 1941-†
Shoshone River below Buffalo Bill (Shoshone) Reservoir, Wyo. . . . .	a/1,570	1921-
Shoshone River at Cody, Wyo. . . . .	-	1902-9.
Shoshone River at Corbett Dam, Wyo. . . . .	-	1908-25.
Garland Canal (Corbett Tunnel) at Corbett Dam, Wyo. . . . .	-	1909-20; 1922-24†; 1925-26.
Shoshone River at Willwood Dam, Wyo. . . . .	a/1,820	1925-26.
Bitter Creek near Garland, Wyo. . . . .	-	1950-53.
Shoshone River at Byron, Wyo. . . . .	a/2,300	1929-
Sage Creek near Lovell, Wyo. . . . .	-	1951-
Shoshone River at Lovell, Wyo. . . . .	-	1897-98; 1899*.
Bighorn Canal below wasteway, near St. Xavier, Mont. . . . .	-	1947-51
Bighorn River near St. Xavier, Mont. . . . .	a/19,600	1934-
Soap Creek near St. Xavier, Mont. . . . .	111	1911-24; 1939-53.
Rotten Grass Creek near St. Xavier, Mont. . . . .	a/155	1911-22.
Bighorn River near Hardin (Fort Custer), Mont. . . . .	a/20,700	1904-25; 1928-33.
Little Bighorn (Little Horn) River at State line, near Wyola, Mont. . . . .	199	1939-
Little Bighorn River near Wyola, Mont. . . . .	a/260	1911*; 1912-24.
Pass Creek near Wyola, Mont. . . . .	119	1935-
Little Bighorn (Little Horn) River below Pass Creek, near Wyola, Mont. . . . .	429	1939-
Owl Creek near Lodgegrass, Mont. . . . .	161	1939-45.
Lodgegrass Creek above Willow Creek diversion, near Wyola, Mont. . . . .	a/83	1939-

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† Monthly figures of discharge or contents only.  
a/ Approximately.  
j/ Storm runoff for summer season only (report in preparation).  
m/ In reports of State engineer of Wyoming.



<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Yellowstone River basin--Continued.		
Bighorn River--Continued.		
Little Bighorn River--Continued.		
Lodgegrass Creek near Wyola, Mont. . . . .	-	1921-24.
Lodgegrass Creek near Lodgegrass, Mont. . . . .	a/143	1911*; 1912-15; 1921-24.
Lodgegrass Creek at Lodgegrass, Mont. . . . .	a/173	1916-20.
Little Bighorn (Little Horn) River near Crow Agency, Mont. . . . .	1,190	1905-6; 1912-24; 1928-32; 1938-
Little Bighorn River near Hardin, Mont. . . . .	-	1953-
Bighorn River near Custer, Mont. . . . .	-	1945-
Yellowstone River at Forsyth, Mont. . . . .	a/40,200	1921-23.
Rosebud Creek near Rosebud, Mont. . . . .	a/1,320	1938-43.
Rosebud Creek near Forsyth, Mont. . . . .	-	1947-53.
North Fork Tongue River near Dayton, Wyo. . . . .	32.4	1945-
South Fork Tongue River near Dayton, Wyo. . . . .	85.0	1945-
Highline ditch near Dayton, Wyo. . . . .	-	1941-†
Tongue River near Dayton, Wyo. . . . .	204	1911-12*; 1918-29; 1940-
Little Tongue River near Dayton, Wyo. . . . .	25.1	1951-53; 1955-
Tongue River at Dayton, Wyo. . . . .	-	1903*; (1909†)l/.
Wolf Creek at Wolf, Wyo. . . . .	37.8	1945-
Tongue River at Carneyville, Wyo. . . . .	495	1911-12; 1915-17; (1912-13)m/.
East Goose Creek near Big Horn, Wyo. . . . .	20.9	1953-
Cross Creek near Big Horn, Wyo. . . . .	10.9	1953-
West Goose Creek near Big Horn, Wyo. . . . .	24.4	1953-
Goose Creek near Sheridan, Wyo. . . . .	120	1929-
Goose Creek at Sheridan, Wyo. . . . .	182	1911-12; 1915-16; (1909-10†; 1913)m/.
Little Goose Creek:		
Willow Creek near Big Horn, Wyo. . . . .	2.99	1953-
Little Goose Creek in canyon, near Big Horn, Wyo. . . . .	51.0	1941-
Little Goose Creek near Big Horn, Wyo. . . . .	a/71	1919-21.
Little Goose Creek at Sheridan, Wyo. . . . .	159	1896-97; 1911-12; (1909-10†)m/.
Goose Creek below Little Goose Creek at Sheridan, Wyo. . . . .	341	1895*; 1896-97.
Goose Creek below Sheridan, Wyo. . . . .	392	1942-
Tongue River near Acme, Wyo. . . . .	894	1938-
Tongue River near Decker, Mont. . . . .	a/1,610	1928-38.
Tongue River Reservoir near Decker, Mont. . . . .	a/1,740	1939-†
Tongue River at Tongue River Dam, near Decker, Mont. . . . .	a/1,740	1939-
Tongue River near Miles City, Mont. . . . .	-	1929-32.
Tongue River at (near) Miles City, Mont. . . . .	-	1938-42; 1946-
Yellowstone River at Miles City, Mont. . . . .	a/48,500	1922-23; 1928-
South Fork Powder River near Kaycee, Wyo. . . . .	a/1,150	1911*; 1938-40; 1950-
Middle Fork Powder River above Kaycee, Wyo. . . . .	a/450	1949-
Red Fork near Barnum, Wyo. . . . .	142	1929-32; 1950-53.
Middle Fork Powder River at Kaycee, Wyo. . . . .	647	1911-12; 1929-32.
North Fork Powder River near Hazelton, Wyo. . . . .	25.0	1946-
North Fork Powder River near Mayoworth, Wyo. . . . .	106	1940-
North Fork Powder River near Kaycee, Wyo. . . . .	244	1911*; 1929-32.
Middle Fork Powder River near Kaycee, Wyo. . . . .	a/980	1933-34; 1938-
Powder River at Sussex, Wyo. . . . .	a/3,090	1938-40; 1950-
North Fork Crazy Woman Creek near Buffalo, Wyo. . . . .	44.9	1944-49.
North Fork Crazy Woman Creek below Spring Draw, near Buffalo, Wyo. . . . .	51.7	1949-
North Fork Crazy Woman Creek near Greub, Wyo. . . . .	174	1950-
Middle Fork Crazy Woman Creek near Greub, Wyo. . . . .	82.7	1944-
Crazy Woman Creek near Buffalo, Wyo. . . . .	464	1929-32.
Crazy Woman Creek near Arvada, Wyo. . . . .	956	1939-43; 1950-
Powder River at (near) Arvada, Wyo. . . . .	a/6,050	1915-
Clear Creek:		
North Fork Clear Creek near Buffalo, Wyo. . . . .	29.0	1949-
Clear Creek at Camp Comfort, near Buffalo, Wyo. . . . .	a/110	1911-12*.
Clear Creek near Buffalo, Wyo. . . . .	a/120	1894; 1896-1900; 1917-27; 1938-
Clear Creek at Buffalo, Wyo. . . . .	a/130	1902*; 1903-4; 1911-12.
South Fork Rock Creek near Buffalo, Wyo. . . . .	43.8	1950-53.
Rock Creek near Buffalo, Wyo. . . . .	60.0	1944-

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a/ Approximately.

l/ In files of State engineer of Wyoming.

m/ In reports of State engineer of Wyoming.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Yellowstone River basin--Continued.		
Powder River--Continued.		
Clear Creek--Continued.		
South Piney Creek at Willow Park, Wyo. . . . .	28.9	1945-
South Piney Creek near Story, Wyo. . . . .	70.5	1951-
North Piney Creek near Story, Wyo. . . . .	37.7	1951-
Cruetz ditch near Story, Wyo. . . . .	-	1903*.
Prairie Dog ditch near Story, Wyo. . . . .	-	1903*.
Piney Creek at Kearney, Wyo. . . . .	106	1902†; 1903-6; 1911-12; 1913-14†; 1915-17; 1919-23; 1940-; (1910†; 1913)m/.
Piney Creek at Ucross, Wyo. . . . .	267	1917-19; 1920-23; 1950-
Clear Creek near Arvada, Wyo. . . . .	a/1,110.	1915-19; 1928-29; 1939-
Powder River at Moorhead, Mont. . . . .	a/8,030	1929-
Little Powder River at Biddle, Mont. . . . .	a/1,540	1938-43.
Little Powder River near Broadus, Mont. . . . .	-	1947-53.
Powder River near Mizpah, Mont. . . . .	a/11,900	1928-33.
Powder River near Locate, Mont. . . . .	a/12,900	1938-
Upper Sevenmile Creek near Glendive, Mont. . . . .	-	1921-22.
Yellowstone River at Glendive, Mont. . . . .	a/65,900	1897-1902*; 1903-10; 1931-34; (1909-28*)e/.
Deer Creek near Glendive, Mont. . . . .	-	1921-22.
Lower Yellowstone Canal at Lower Yellowstone Dam, at Intake, Mont. . . . .	-	1911.
Yellowstone River at Intake, Mont. . . . .	a/66,800	1911-31.
Yellowstone River near Sidney, Mont. . . . .	n/69,450	1934-
Missouri River near Williston, N. Dak. . . . .	a/164,500	1897-1928†o/; 1928-; (1909-11*; 1913-*)e/.
Little Muddy Creek basin		
Blacktail Creek near Bonetrail, N. Dak. . . . .	-	1955-
Little Muddy Creek below Cow Creek near Williston, N. Dak. . . . .	875	1954-
Little Muddy Creek (River) near Williston, N. Dak. . . . .	a/1,010	1904-9; 1932-33; 1945-54.
White Earth River basin		
White Earth River at White Earth, N. Dak. . . . .	490	1954-
Missouri River at Sanish, N. Dak. . . . .	d/167,100	1928-32.
Little Missouri River basin		
Thompson Creek:		
North Creek Spreader Diversion near Alzada, Mont. . . . .	1.29	1952-
Little Missouri River at Alzada, Mont. . . . .	a/600	1904-5; 1906*.
Little Missouri River near Alzada, Mont. . . . .	a/780	1911-25; 1928-32; 1935-
Little Missouri River at Camp Crook, S. Dak. . . . .	1,900	1903*; 1904-6.
Little Beaver Creek near Marmarth, N. Dak. . . . .	615	1938-
Little Missouri River at Marmarth, N. Dak. . . . .	a/4,570	1938-
Little Missouri River at Medora, N. Dak. . . . .	a/6,190	1903-8; 1921-24; 1928-34; 1945-; (1909-16*)e/; (1924-26†)d/.
Beaver Creek at Wibaux, Mont. . . . .	351	1938-
Little Missouri River near Watford City, N. Dak. . . . .	a/8,490	1934-
Missouri River near Elbowoods, N. Dak. . . . .	a/179,800	1939-53.
Garrison Reservoir near Riverdale, N. Dak. . . . .	a/181,400	1953-
Missouri River at Mannhaven, N. Dak. . . . .	a/181,400	1904*.
Missouri River below Garrison Dam, N. Dak. . . . .	a/181,400	1948-
Knife River basin		
Knife River near Golden Valley (at Broncho, near Broncho), N. Dak. . . . .	a/1,230	1903-19; 1921-24; 1943-; (1921-25†; 1927†)p/.
Spring Creek at Zap, N. Dak. . . . .	545	1924; 1945-; (1924-27†)d/.
Knife River at Hazen, N. Dak. . . . .	a/2,350	1928-33; 1937-
Missouri River at Washburn, N. Dak. . . . .	d/183,860	1905*; (1918-24*; 1928*; 1936*; 1939*)d/.

\* Gage heights, or gage heights and discharge measurements only.

† Monthly figures of discharge or contents only.

a/ Approximately.

d/ 73d Cong., 2nd sess., H. Doc. 238, Missouri River.

e/ In reports of U. S. Weather Bureau.

m/ In reports of State engineer of Wyoming.

n/ At highway bridge 4½ miles downstream.

o/ In U. S. Geological Survey Circular 108.

p/ In reports of State engineer of North Dakota.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
<u>Painted Woods Creek basin</u>		
Painted Woods Creek near Washburn, N. Dak. . . . .	390	1909-10*; (1909-10†)d/.
Turtle Creek near Washburn, N. Dak. . . . .	440	1909-10*; (1909-10†)d/.
Missouri River at Bismarck, N. Dak. . . . .	a/186,400	1904-5; 1927- ; (1881-82*;1886-99*)e/; (1891- *)e/.
<u>Heart River basin</u>		
Heart River near South Heart (near Dickinson), N. Dak. . .	315	1946-
Dickinson Reservoir near Dickinson, N. Dak. . . . .	a/400	1950- †
Heart River below Dickinson Dam near Dickinson, N. Dak..	404	1951-
Heart River at Lehigh, N. Dak. . . . .	443	1943-52.
Green River near Gladstone, N. Dak. . . . .	356	1945-
Heart River near Richardton, N. Dak. . . . .	a/1,240	1903-22; 1943- ; (1903-24†)d/.
Heart Butte Reservoir near Glen Ullin, N. Dak. . . . .	a/1,710	1949- †
Heart River below Heart Butte Dam, near Glen Ullin, N. Dak. . . . .	a/1,710	1943-
Antelope Creek near Carson, N. Dak. . . . .	221	1948-
Muddy Creek near Almont, N. Dak. . . . .	456	1945-
Heart River near Lark, N. Dak. . . . .	a/2,750	1946-
Sweetbriar Creek near Judson, N. Dak. . . . .	157	1951-
Heart River near Mandan (at Sunny), N. Dak. . . . .	a/3,310	1924; 1928-33; 1937- ; (1924-37†)d/.
<u>Apple Creek basin</u>		
Apple Creek near Menoken (Bismarck), N. Dak. . . . .	g/1,680	1905; 1945-
<u>Cannonball River basin</u>		
Cannonball River at Regent, N. Dak. . . . .	a/580	1950-
Cannonball River at Bentley, N. Dak. . . . .	-	1951.
Cannonball River below Bentley (near New Leipzig), N. Dak.	a/1,140	1943-
Cannonball River near Heil, N. Dak. . . . .	a/1,340	1950-53.
Cedar Creek near Haynes, N. Dak. . . . .	553	1950-
Cedar Creek near Pretty Rock, N. Dak. . . . .	a/1,340	1943-
Cedar Creek near Raleigh, N. Dak. . . . .	1,720	1939.
Cannonball River near Timmer (Stevenson), N. Dak. . . . .	3,650	1903-8; 1911-18; 1921-22; 1923-24; 1928-34.(1921-31†)d/.
Cannonball River at Breien, N. Dak. . . . .	a/4,100	1934-
<u>Beaver Creek basin</u>		
Beaver Creek at Linton, N. Dak. . . . .	r/717	1949-
<u>Grand River basin</u>		
North Fork (Branch) Grand River at Haley, N. Dak. . . . .	509	1908-10; 1912-17; 1945-; (1908-20†)a/.
North Fork Grand River near White Butte, S. Dak. . . . .	a/1,190	1945-
South Fork Grand River at Buffalo, S. Dak. . . . .	-	1955-
South Fork Grand River near Cash, S. Dak. . . . .	a/1,350	1945-
Shadehill Reservoir at Shadehill, S. Dak. . . . .	a/3,120	1950- †
Grand River at Shadehill, S. Dak. . . . .	a/3,120	1943-
Grand River near Wakpala, S. Dak. . . . .	a/5,510	1912-14; 1915†; 1916-17; 1918*;1928-;(1912-17†; 1928-31†)d/.
Missouri River at Mobridge, S. Dak. . . . .	a/208,700	1928-
<u>Moreau River basin</u>		
Moreau (Owl) River at Bixby, S. Dak. . . . .	a/1,570	1904-6; 1948-
Moreau River near Faith, S. Dak. . . . .	a/2,660	1943-
Moreau River near Eagle Butte, S. Dak. . . . .	a/4,320	1943-
Moreau River near Whitehorse, S. Dak. . . . .	-	1954-
Moreau River at Promise, S. Dak. . . . .	5,223	1928-
<u>Cheyenne River basin</u>		
Antelope Creek (head of Cheyenne River):		
Wind Creek:		
Reservoir No. 13, Wyo. . . . .	.60	1951-54 j/
Sand Creek:		
Reservoir No. 35A, Wyo. . . . .	.61	1952-54 j/
Bear Creek:		
Reservoir No. 36, Wyo. . . . .	.48	1951-54 j/

\* Gage heights, or gage heights and discharge measurements only.

† Monthly figures of discharge or contents only.

a/ Approximately.

c/ In reports of Missouri River Commission.

d/ 73d Cong., 2nd sess., H. Doc. 238, Missouri River.

e/ In reports of U. S. Weather Bureau.

g/ Approximately, includes about 500 sq mi which are probably noncontributing.

j/ Storm runoff for summer season only (report in preparation).

s/ 73d Cong., 1st sess., H. Doc. 76, Cannonball, Grand, and Moreau Rivers.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Cheyenne River basin--Continued.		
Reservoir No. 13A, Wyo. . . . .	0.28	1952-54 <u>1/</u>
Porcupine Creek:		
Reservoir No. 10B, Wyo. . . . .	.20	1953-54 <u>1/</u>
Reservoir No. 10A, Wyo. . . . .	.43	1953-54 <u>1/</u>
Reservoir No. 11, Wyo. . . . .	2.46	1951-54 <u>1/</u>
Dry Fork:		
Reservoir No. 40, Wyo. . . . .	.71	1951-54 <u>1/</u>
Reservoir No. 33A, Wyo. . . . .	.44	1953-54 <u>1/</u>
Cheyenne River:		
Unnamed tributaries:		
Reservoir No. 14, Wyo. . . . .	10.9	1950-51 <u>1/</u> ; 1953-54 <u>1/</u>
Reservoir No. 31, Wyo. . . . .	.35	1951-52 <u>1/</u>
Reservoir No. 30, Wyo. . . . .	1.31	1951-52 <u>1/</u>
Reservoir No. 32, Wyo. . . . .	.59	1951-52 <u>1/</u>
Reservoir No. 26, Wyo. . . . .	1.51	1951-52 <u>1/</u>
Reservoir No. 22, Wyo. . . . .	.02	1951. <u>1/</u>
Reservoir No. 28, Wyo. . . . .	.68	1951-52 <u>1/</u>
Reservoir No. 27, Wyo. . . . .	1.09	1951-52 <u>1/</u>
Reservoir No. 24, Wyo. . . . .	.52	1951-52 <u>1/</u>
Reservoir No. 23, Wyo. . . . .	2.67	1951-52 <u>1/</u>
Reservoir No. 21, Wyo. . . . .	.31	1951-52 <u>1/</u>
Reservoir No. 18, Wyo. . . . .	.30	1951-52 <u>1/</u>
Reservoir No. 17, Wyo. . . . .	.06	1951-54 <u>1/</u>
Reservoir No. 25, Wyo. . . . .	.56	1951-54 <u>1/</u>
Reservoir No. 20, Wyo. . . . .	.11	1951-52 <u>1/</u>
Reservoir No. 19, Wyo. . . . .	.92	1951-54 <u>1/</u>
Reservoir No. 16, Wyo. . . . .	.18	1951-52 <u>1/</u>
Reservoir No. 15, Wyo. . . . .	9.58	1951-54 <u>1/</u>
Black Thunder Creek:		
Little Thunder Creek:		
Unnamed tributaries:		
Reservoir No. 10, Wyo. . . . .	.66	1951-54 <u>1/</u>
Reservoir No. 12, Wyo. . . . .	.28	1951-52 <u>1/</u>
Reservoir No. 7A (on unnamed tributary), Wyo. . . . .	.23	1953-54 <u>1/</u>
Lodgepole Creek:		
Unnamed tributaries:		
Reservoir No. 8, Wyo. . . . .	.10	1951-54 <u>1/</u>
Reservoir No. 9, Wyo. . . . .	.94	1951-54 <u>1/</u>
Reservoir No. 7, Wyo. . . . .	2.68	1951-54 <u>1/</u>
Reservoir No. 7B, Wyo. . . . .	1.40	1953-54 <u>1/</u>
Boggy Creek:		
Reservoir No. 35, Wyo. . . . .	7.52	1951-54 <u>1/</u>
Lance Creek:		
Lightning Creek:		
Reservoir No. 55, Wyo. . . . .	.05	1953-54 <u>1/</u>
Box Creek:		
Reservoir No. 41, Wyo. . . . .	1.27	1951-54 <u>1/</u>
Walker Creek:		
Unnamed tributaries:		
Reservoir No. 56, Wyo. . . . .	.70	1953-54 <u>1/</u>
Reservoir No. 57, Wyo. . . . .	.21	1953-54 <u>1/</u>
Dry Creek:		
Reservoir No. 36A, Wyo. . . . .	.41	1953-54 <u>1/</u>
Twentymile Creek:		
Reservoir No. 58 (on unnamed tributary), Wyo. . . . .	.07	1953-54 <u>1/</u>
Reservoir No. 42 (on Twentymile Draw), Wyo. . . . .	.33	1951-54 <u>1/</u>
Cow Creek:		
Unnamed tributaries:		
Reservoir No. 34, Wyo. . . . .	.34	1951-54 <u>1/</u>
Reservoir No. 37, Wyo. . . . .	2.47	1951 <u>1/</u> , 1953-54 <u>1/</u>
Reservoir No. 38, Wyo. . . . .	1.70	1951-54 <u>1/</u>
Dogle Creek:		
Reservoir No. 33, Wyo. . . . .	.73	1951-54 <u>1/</u>
Crazy Woman Creek:		
Unnamed tributaries:		
Reservoir No. 43, Wyo. . . . .	1.26	1951-54 <u>1/</u>
Reservoir No. 43A, Wyo. . . . .	.18	1953-54 <u>1/</u>
Old Woman Creek:		
Sage Creek:		
Reservoir No. 44, Wyo. . . . .	.92	1951-54 <u>1/</u>
Lance Creek at Spencer, Wyo. . . . .	a/2,070	1948-54.
(South Fork) Cheyenne River near Spencer, Wyo. . . . .	a/5,270	1948-

a/ Approximately

1/ Storm runoff for summer season only (report in preparation).

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Cheyenne River basin--Continued.		
Unnamed tributaries:		
Reservoir No. 39, Wyo. . . . .	0.52	1951-54 <u>1/</u>
Reservoir No. 39A, Wyo. . . . .	.12	1953-54 <u>1/</u>
Beaver Creek:		
Unnamed tributary:		
Reservoir No. 3, Wyo. . . . .	.25	1951-54 <u>1/</u>
Skull Creek:		
Oil Creek:		
Reservoir No. 4, Wyo. . . . .	.11	1951-54 <u>1/</u>
Blacktail Creek:		
Reservoir No. 6, Wyo. . . . .	3.80	1951-54 <u>1/</u>
Unnamed tributaries:		
Reservoir No. 6A, Wyo. . . . .	.44	1953-54 <u>1/</u>
Reservoir No. 6C, Wyo. . . . .	.16	1954 <u>1/</u>
Reservoir No. 6B, Wyo. . . . .	1.52	1953-54 <u>1/</u>
Stockade Beaver Creek:		
Unnamed tributaries:		
Reservoir No. 1, Wyo. . . . .	.08	1951-54 <u>1/</u>
Reservoir No. 5, Wyo. . . . .	.54	1951-54 <u>1/</u>
Salt Creek:		
Reservoir No. 2, Wyo. . . . .	6.06	1951-52 <u>1/</u>
Reservoir No. 5A, Wyo. . . . .	1.39	1953-54 <u>1/</u>
Redbird Canyon:		
Gillette Canyon:		
Reservoir No. 45, S. Dak. . . . .	1.02	1951-54 <u>1/</u>
Unnamed tributary:		
Reservoir No. 46, S. Dak. . . . .	.30	1951-54 <u>1/</u>
Beaver Creek near Newcastle, Wyo. . . . .	a/1,320	1943; 1944-
Beaver Creek near Burdock (Edgemont), S. Dak. . . . .	a/1,540	1905-6; 1929-32; (1904-6†; 1928-29†) <u>t/</u>
Cheyenne River at Edgemont, S. Dak. . . . .	7,143	1903-6; 1928-33; 1946- ; (1927-29†) <u>t/</u>
Cottonwood Creek:		
Unnamed tributaries:		
Reservoir 47B, S. Dak. . . . .	.05	1953-54 <u>1/</u>
Reservoir 47A, S. Dak. . . . .	.05	1953-54 <u>1/</u>
Hat Creek:		
Sowbelly Creek:		
Reservoir No. 54, Nebr. . . . .	.42	1951-54 <u>1/</u>
Antelope Creek:		
Unnamed tributaries:		
Reservoir No. 52, Nebr. . . . .	5.72	1951-54 <u>1/</u>
Reservoir No. 51, Nebr. . . . .	.12	1951-54 <u>1/</u>
Indian Creek:		
Unnamed tributaries:		
Reservoir No. 50, Nebr. . . . .	.36	1951-52 <u>1/</u> ; 1954 <u>1/</u>
Reservoir No. 50A, S. Dak. . . . .	.40	1953-54 <u>1/</u>
Unnamed tributary:		
Reservoir No. 49, S. Dak. . . . .	.38	1951-54 <u>1/</u>
Plains Creek:		
Reservoir No. 48, S. Dak. . . . .	.06	1951-54 <u>1/</u>
Hat Creek near Edgemont, S. Dak. . . . .	1,044	1905-6; 1950-; (1904-6†) <u>t/</u>
Cheyenne River near Hot Springs (Cascade Springs), S. Dak. . . . .	a/8,710	1914-20; 1943-
Angostura Reservoir near Hot Springs, S. Dak. . . . .	a/9,100	1949- †
Cheyenne River below Angostura Dam, S. Dak. . . . .	a/9,100	1945-
Fall River at Hot Springs, S. Dak. . . . .	137	1937-
Beaver Creek near Buffalo Gap, S. Dak. . . . .	a/130	1937-
French Creek near Custer, S. Dak. . . . .	98	1945-47.
French Creek near Fairburn, S. Dak. . . . .	129	1945-47.
Battle Creek near Keystone, S. Dak. . . . .	66	1945-47.
Battle Creek near Hermosa, S. Dak. . . . .	108	1945-47.
Squaw Creek near Custer, S. Dak. . . . .	25.2	1945-47.
Squaw Creek near Hermosa, S. Dak. . . . .	27.5	1945-47.
Battle Creek at Hermosa, S. Dak. . . . .	178	1903*; 1949-
Battle Creek below Hermosa, S. Dak. . . . .	285	1950-53.
Spring Creek near Hill City, S. Dak. . . . .	142	1937-40.
Spring Creek near Keystone, S. Dak. . . . .	159	1945-47.

\* Gage heights, or gage heights and discharge measurements only.

† Monthly figures of discharge or contents only.

a/ Approximately.

1/ Storm runoff for summer season only (report in preparation).

t/ 72d Cong., 1st sess., H. Doc. 190, Cheyenne River.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Cheyenne River basin--Continued.		
Spring Creek near Rapid City (Rapid), S. Dak. . . . .	171	1903-5; 1945-47.
Spring Creek near Hermosa, S. Dak. . . . .	199	1949-
Rapid Creek:		
Castle Creek above Deerfield Reservoir near Hill City (Deerfield), S. Dak. . . . .	a/83	1948-
Deerfield Reservoir near Hill City (Deerfield), S. Dak. . . . .	a/95	1947- +
Castle Creek below Deerfield Dam, S. Dak. . . . .	a/96	1946-
Rapid Creek above Pactola Reservoir at Silver City, S. Dak. . . . .	292	1953-
Pactola Reservoir near Silver City, S. Dak. . . . .	a/320	1955-
Rapid Creek below Pactola Dam (near Pactola), S. Dak. . . . .	a/320	1929-32; 1946-; (1928-29+)t/.
Rapid Creek at Big Bend, S. Dak. . . . .	332	1915-17; 1932-42; (1913-42+)u/.
Rapid Creek above Canyon Lake, near Rapid City, S. Dak. . . . .	371	1946-
Bennett ditch at Rapid City, S. Dak. . . . .	-	1946-51+.
Leedy ditch at Rapid City, S. Dak. . . . .	-	1946-51+.
Rapid Creek at Rapid City (Rapid), S. Dak. . . . .	a/410	1903-6; 1942-
Iowa ditch at Rapid City, S. Dak. . . . .	-	1946-53+.
Lockhart ditch at Rapid City, S. Dak. . . . .	-	1946-53+.
Hawthorn ditch at Rapid City, S. Dak. . . . .	-	1946-53+.
Rapid Creek below Hawthorn ditch, at Rapid City, S. Dak. . . . .	427	1946-53.
Murphy ditch near Rapid City, S. Dak. . . . .	-	1946-53+.
Cyclone ditch near Rapid City, S. Dak. . . . .	-	1946-53+.
South Side ditch near Rapid City, S. Dak. . . . .	-	1946-53+.
Little Giant ditch near Rapid City, S. Dak. . . . .	-	1946-53+.
Rapid Creek below Little Giant ditch, near Rapid City, S. Dak. . . . .	447	1946-51.
Lone Tree ditch near Rapid City, S. Dak. . . . .	-	1946-53+.
St. Germain ditch at Caputa, S. Dak. . . . .	-	1946-53+.
Rapid Creek at Caputa, S. Dak. . . . .	509	1946-53.
Hammerquist ditch near Farmingdale, S. Dak. . . . .	-	1946-53+.
Corbin-Morse ditch at Rapid, S. Dak. . . . .	-	1906*.
Rapid Creek near Farmingdale, S. Dak. . . . .	602	1946-
Rapid Creek at Creston, S. Dak. . . . .	710	1929-32.
Boxelder Creek near Nemo, S. Dak. . . . .	96	1945-47.
Boxelder Creek at Blackhawk, S. Dak. . . . .	128	1903-5; 1945-47.
Cheyenne River near Wasta, S. Dak. . . . .	a/12,800	1914-15; 1928-32; 1934-
Elk Creek near Roubaix, S. Dak. . . . .	21	1945-47.
Elk Creek above Piedmont, S. Dak. . . . .	49	1945-47.
Elk Creek near Piedmont, S. Dak. . . . .	100	1903*.
Elk Creek near Elm Springs, S. Dak. . . . .	540	1949-
Belle Fourche River near Moorcroft, Wyo. . . . .	a/1,380	1923-32.
Belle Fourche River below Moorcroft, Wyo. . . . .	a/1,670	1943-
Keyhole Reservoir near Moorcroft, Wyo. . . . .	a/2,000	1952- +
Belle Fourche River below Keyhole Reservoir, Wyo. . . . .	a/2,000	1951-
Belle Fourche River at Hulett, Wyo. . . . .	a/2,800	1929-32; 1938-51.
Belle Fourche River at Wyoming-South Dakota State line. . . . .	a/3,280	1946-
Belle Fourche River at Belle Fourche, S. Dak. . . . .	a/3,360	1903-6.
Redwater Creek near Beulah, Wyo. . . . .	459	1929-31; 1936-37.
Murray ditch at Wyoming-South Dakota State line . . . . .	-	1954-
Redwater Creek at Wyoming-South Dakota State line . . . . .	471	1954-
Spearfish Creek near Spearfish, S. Dak. . . . .	157	1904-6.
Spearfish Creek at Spearfish, S. Dak. . . . .	168	1946-
Spearfish Creek at Toomey's Ranch near Spearfish, S. Dak. . . . .	179	1903.
Redwater Canal at Minnesela, S. Dak. . . . .	-	1904-6.
Redwater Creek above Belle Fourche, S. Dak. . . . .	920	1945-
Hay Creek at Belle Fourche, S. Dak. . . . .	121	1953-
Redwater Creek (River) at Belle Fourche, S. Dak. . . . .	a/1,020	1903-6.
Inlet Canal near Belle Fourche, S. Dak. . . . .	-	1945-
Owl Creek:		
Belle Fourche Reservoir near Belle Fourche, S. Dak. . . . .	-	1912- +
Belle Fourche River near Belle Fourche, S. Dak. . . . .	4,310	1906; 1912-40; (1905-6+; 1911-29+)t/.
Belle Fourche River near Fruitdale, S. Dak. . . . .	4,540	1945-
Indian Creek near Belle Fourche, S. Dak. . . . .	-	1904*.
Belle Fourche River near Sturgis, S. Dak. . . . .	5,870	1945-
Bear Butte Creek near Sturgis, S. Dak. . . . .	192	1945-
Belle Fourche River near Elm Springs, S. Dak. . . . .	a/7,210	1928-32; 1934-

\* Gage heights, or gage heights and discharge measurements only.

+ Monthly figures of discharge or contents only.

a/ Approximately.

t/ 72d Cong., 1st sess., H. Doc. 190, Cheyenne River.

u/ In Special Report No. 8, Soil Conservation Service, U. S. Dept. of Agriculture.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Cheyenne River basin--Continued.		
Cheyenne River near Plainview, S. Dak. . . . .	21,600	1950-
Cherry Creek near Plainview, S. Dak. . . . .	1,190	1945-
Cheyenne River near Eagle Butte (Carlin, Elwood), S. Dak. <u>a</u> /24,500		1928-
Missouri River at Pierre, S. Dak. . . . . <u>a</u> /243,500		1929-; (1882*; 1895-99*) <u>c</u> /; (1891-1916*;1918-*) <u>e</u> /.
<u>Bad River basin</u>		
Bad River:		
North Fork Bad River near Philip, S. Dak. . . . .	164	1939-44.
Bad River near Midland, S. Dak. . . . . <u>a</u> /1,500		1946-
Bad River near Fort Pierre, S. Dak. . . . .	3,107	1928-32; 1934-
Medicine Creek basin		
Medicine Creek near Blunt, S. Dak. . . . .	455	1950-
Medicine Creek at Kennebec, S. Dak. . . . .	465	1954-
Missouri River at Chamberlain, S. Dak. . . . . <u>a</u> /250,800		1928-29; 1945-54; (1882*) <u>c</u> / (1908-28*) <u>e</u> /.
<u>White River basin</u>		
White River near Crawford, Nebr. . . . .	163	1897.
White River at Crawford, Nebr. . . . .	313	1931-43; 1947- ; (1924-27) <u>v</u> /
White River below Whitney pipeline near Crawford (below Crawford), Nebr. . . . . <u>a</u> /350		1931; (1924;1927-38) <u>v</u> /.
White River below Cottonwood Creek near Whitney, Nebr. . . . .	676	1948-
White River near Chadron, Nebr. . . . .	750	1931-43.
White River near Oglala, S. Dak. . . . . <u>a</u> /2,200		1943-
White River near Interior, S. Dak. . . . .	4,120	1904-6; 1911*; 1912-18; 1928-32; 1939-42.
White River near Kadoka, S. Dak. . . . . <u>a</u> /5,000		1942-
South Fork White River near Martin, S. Dak. . . . . <u>w</u> /310		1938-40.
Lake Creek above refuge near Tuthill, S. Dak. . . . . <u>x</u> /58		1938-40.
Elm Creek near Tuthill, S. Dak. . . . . <u>y</u> /10		1938-39; 1940+.
Lake Creek below refuge, near Tuthill, S. Dak. . . . . <u>z</u> /120		1938-40.
South Fork White River near Rosebud, S. Dak. . . . . <u>a</u> /1,020		1943-
South Fork White River at (near) White River, S. Dak. . . . .	1,420	1929-32; 1938-40.
South Fork White River below White River, S. Dak. . . . . <u>a</u> /1,570		1949-
South Fork (Little White) White River near Westover, S. Dak. . . . .	1,640	1912*; 1913-15; 1916*; 1916-18.
White River at (near) Westover, S. Dak. . . . .	7,850	1912-18.
White River near Oacoma, S. Dak. . . . . <u>a</u> /10,200		1928-
Fort Randall Reservoir at Pickstown, S. Dak. . . . . <u>a</u> /263,500		1952- +
Missouri River below Fort Randall Dam, S. Dak. . . . . <u>a</u> /263,500		1947-
<u>Ponca Creek basin</u>		
Ponca Creek at Anoka, Nebr. . . . . <u>a</u> /410		1949-
<u>Niobrara River basin</u>		
Niobrara River at Nebraska-Wyoming State line. . . . .	-	1955-
Niobrara River above Box Butte Reservoir (near Marsland), Nebr. . . . .	-	1946- ; (1945- ) <u>v</u> /
Box Butte Reservoir, Nebr. . . . .	-	1945- +
Niobrara River below Box Butte Reservoir (near Dunlap), Nebr. . . . .	-	1946- ; (1941-42; 1944- ) <u>v</u> /.
Niobrara River at Dunlap, Nebr. . . . . <u>a</u> /1,550		1931-42; (1923-38+) <u>aa</u> /. (1924-29) <u>v</u> /.
Niobrara River near Hay Springs, Nebr. . . . .	-	1950-
Niobrara River near Colclesser, Nebr. . . . .	-	1947-48; (1946-48) <u>v</u> /.
Niobrara River near Gordon, Nebr. . . . .	2,595	1928-32; 1945-
Antelope Creek near Gordon, Nebr. . . . .	-	1948.
Bear Creek near Eli, Nebr. . . . .	-	1948-53.
Niobrara River near Cody, Nebr. . . . .	-	1947-
Snake River near Burge, Nebr. . . . . <u>ab</u> /620		1947-
Gordon Creek near Simeon, Nebr. . . . .	-	1948.
Niobrara River near (at) Valentine (at Fort Niobrara), Nebr. . . . . <u>a</u> /6,160		1897*; 1899*; 1901-6; 1928-32.

\* Gage heights, or gage heights and discharge measurements only.

+ Monthly figures of discharge or contents only.

a/ Approximately.

c/ In reports of Missouri River Commission.

e/ In reports of U. S. Weather Bureau.

v/ In reports of Nebraska Department of Roads and Irrigation.

w/ Includes approximately 80 sq mi which are probably noncontributing.

x/ Includes approximately 35 sq mi which are probably noncontributing.

y/ Includes approximately 9 sq mi which are probably noncontributing.

z/ Includes approximately 60 sq mi which are probably noncontributing.

aa/ In "Water Resources of Nebraska", Nebraska State Planning Board.

ab/ Approximately, includes about 520 sq mi which are probably noncontributing.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
<u>Missouri River--Continued.</u>		
<u>Niobrara River basin--Continued.</u>		
Minnehaduzza Creek at Valentine, Nebr. . . . .	-	1947-
Niobrara River near Sparks, Nebr. . . . .	6,406	1945-
Niobrara River near Norden, Nebr. . . . .	-	1952-
Plum Creek near Meadville, Nebr. . . . .	-	1947-
Niobrara River near Meadville, Nebr. . . . .	-	1950-52.
Long Pine Creek near Riverview, Nebr. . . . .	a/390	1947-
Keyapaha River near Hidden Timber, S. Dak. . . . .	a/320	1948-53.
Keyapaha River at Wewela, S. Dak. . . . .	a/1,070	1937-40; 1947-
Niobrara River near Spencer (Lynch), Nebr. . . . .	a/10,400	1908*; 1913-14; 1915*; 1927-36; 1940-
Niobrara River near Verdel, Nebr. . . . .	a/10,900	1938-40; (1928)v/; (1928-29t)ac/.
Niobrara River at Niobrara, Nebr. . . . .	-	1902*; 1910-13*; 1954- (1911-12)v/.
<u>Bazille Creek basin</u>		
Bazille Creek near Niobrara, Nebr. . . . .	a/440	1952-
Gavins Point Reservoir near Yankton, S. Dak. . . . .	a/279,500	1955- +
Missouri River at Yankton, S. Dak. . . . .	a/279,500	1930-; (1873-86*; 1921- *)e/.
<u>James River basin</u>		
James River at New Rockford, N. Dak. . . . .	ad/596	1950-
James River near Pingree, N. Dak. . . . .	ae/1,580	1952-
Jamestown Reservoir near Jamestown, N. Dak. . . . .	af/1,670	1953-
Pipestem Creek near Buchanan, N. Dak. . . . .	ag/925	1950-
James River at Jamestown, N. Dak. . . . .	ah/2,840	1928-33; 1937-38; 1943-
James River at La Moure, N. Dak. . . . .	ai/5,740	1903*; 1950-; (1902-11*)e/.
James River at Columbia, S. Dak. . . . .	aj/7,050	1945-
Elm River at Westport, S. Dak. . . . .	a/1,680	1945-
James River near Stratford, S. Dak. . . . .	aj/9,990	1950-
Mud Creek near Stratford, S. Dak. . . . .	740	1955-
James River at Ashton, S. Dak. . . . .	aj/11,000	1945-
<u>Snake Creek:</u>		
West Branch Snake Creek near Athol, S. Dak. . . . .	a/1,430	1950-
Turtle Creek near Tulare, S. Dak. . . . .	1,120	1953-
Turtle Creek at Redfield, S. Dak. . . . .	a/1,540	1945-
James River near Redfield, S. Dak. . . . .	aj/14,800	1950-
Dry Run near Frankfort, S. Dak. . . . .	225	1955-
James River at Huron, S. Dak. . . . .	aj/16,800	1928-32; 1943-; (1902-23*)e/.
Sand Creek near Alpena, S. Dak. . . . .	a/240	1950-
James River near Forestburg, S. Dak. . . . .	aj/18,600	1950-
Firesteel Creek near Mount Vernon, S. Dak. . . . .	540	1955-
James River near Alexandria, S. Dak. . . . .	aj/20,200	1953-
James River near Scotland, S. Dak. . . . .	aj/21,550	1928-
<u>Vermillion River basin</u>		
Vermillion River near Wakonda, S. Dak. . . . .	a/1,680	1945-
<u>Big Sioux River basin</u>		
Big Sioux River at Watertown, S. Dak. . . . .	ak/1,810	1945-
Big Sioux River near Brookings, S. Dak. . . . .	al/4,410	1953-
Big Sioux River near Flandreau, S. Dak. . . . .	al/4,570	1928-32.
Big Sioux River near Dell Rapids, S. Dak. . . . .	al/5,030	1948-
Skunk Creek near Sioux Falls, S. Dak. . . . .	525	1948-
Big Sioux River at Sioux Falls, S. Dak. . . . .	al/5,720	1943-
<u>Split Rock Creek:</u>		
Split Rock Lake at Ihlen, Minn. . . . .	-	1938-48*.
Rock River at Luverne, Minn. . . . .	440	1911-14; 1943-44*††.
Rock River near Rock Valley, Iowa. . . . .	a/1,630	1948-
Dry Creek at Hawarden, Iowa. . . . .	a/48	1948-
Wiksen Creek near Alcester, S. Dak. . . . .	1.84	1954-
Scott Creek near Alcester, S. Dak. . . . .	1.77	1954-

\* Gage heights, or gage heights and discharge measurements only.

† Monthly figures of discharge or contents only.

†† Unpublished.

a/ Approximately.

e/ In reports of U. S. Weather Bureau.

v/ In reports of Nebraska Department of Roads and Irrigation.

ac/ 73rd Cong., 1st sess., H. Doc. 90, Niobrara River.

ad/ Includes about 190 sq mi which are probably noncontributing.

ae/ Approximately, includes about 440 sq mi which are probably noncontributing.

af/ Approximately, includes about 460 sq mi which are probably noncontributing.

ag/ Includes about 450 sq mi which are probably noncontributing.

ah/ Approximately, includes about 950 sq mi which are probably noncontributing.

ai/ Approximately, includes about 2,800 sq mi which are probably noncontributing.

aj/ Approximately, includes more than 2,800 sq mi which are probably noncontributing.

ak/ Approximately, includes about 1,400 sq mi which are probably noncontributing.

al/ Approximately, includes about 1,980 sq mi which are probably noncontributing.



## PART 6-A, MISSOURI RIVER BASIN ABOVE SIOUX CITY, IOWA

21

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Big Sioux River basin--Continued.		
Big Sioux River at Akron, Iowa. . . . .	a/8,980	1928-
Missouri River at Sioux City, Iowa. . . . .	a/314,600	1928-31; 1938- ; (1879-90+)d/; (1878- 99*)c/; (1888- *)e/; (1898-1949+)o/.

## PART 6-B, MISSOURI RIVER BELOW SIOUX CITY, IOWA

Missouri River at Sioux City, Iowa. . . . .	a/314,600	See above
<u>Perry Creek basin</u>		
Perry Creek at 38th Street, at Sioux City, Iowa . . . . .	a/60	1945-
<u>Floyd River basin</u>		
Floyd River at James, Iowa. . . . .	918	1934-
<u>Omaha Creek basin</u>		
Omaha Creek at Homer, Nebr. . . . .	a/170	1946-
<u>Little Sioux River basin</u>		
Little Sioux River near Lakefield, Minn. . . . .	17.1	1948-
Jackson County ditch No. 11 near Lakefield, Minn. . . . .	7.69	1948-
Okoboji Lake outlet:		
Spirit Lake near (at) Orleans, Iowa. . . . .	-	1933- *
Okoboji Lake at Lakeside Laboratory, near Milford (at Arnold's Park), Iowa. . . . .	-	1933- *
Ocheyedan River:		
Ocheda Lake near Worthington, Minn. . . . .	-	1941-47*.
Little Sioux River at Spencer, Iowa. . . . .	a/1,030	1936-42.
Little Sioux River at Correctionville, Iowa. . . . .	a/2,450	1918-25; 1928-32; 1936-
Little Sioux River near Kennebec, Iowa. . . . .	a/2,730	1939-
Maple River at Mapleton, Iowa . . . . .	661	1941-
Maple River at Turin, Iowa. . . . .	725	1939-41.
Little Sioux River near Turin (Blencoe), Iowa . . . . .	am/4,460	1939-
Monona-Harrison ditch:		
West Fork ditch at Holly Springs, Iowa. . . . .	395	1939-
Monona-Harrison ditch near Turin (Blencoe), Iowa. . . . .	am/4,460	1939-
<u>Tekamah Creek basin</u>		
Tekamah Creek at Tekamah, Nebr. . . . .	a/21	1949-
<u>Soldier River basin</u>		
Soldier River at Pisgah, Iowa . . . . .	417	1940-
<u>New York Creek basin</u>		
New York Creek at Herman, Nebr. . . . .	a/30	1946-
<u>Boyer River basin</u>		
Boyer River at Logan, Iowa. . . . .	810	1918-25; 1937-
Missouri River at Omaha, Nebr. . . . .	a/322,800	1928-; (1872-99*)c/; (1875- *)e/.
<u>Indian Creek basin</u>		
Indian Creek at Council Bluffs, Iowa. . . . .	7.99	1954-
<u>Platte River basin</u>		
Grizzly Creek (head of Platte River):		
Colorado Creek near Spicer, Colo. . . . .	25.2	1950-55.
(Big) Grizzly Creek near Walden (Hebron), Colo. . . . .	252	1904-5; 1923; 1926-30; 1933-47; (1922-23†; 1930-33)an/; (1926-30†)ao/.
Little Grizzly Creek near Hebron, Colo. . . . .	a/96	1904-5; 1933-45; (1931-33)an/.
Roaring Fork near Walden (Hebron), Colo. . . . .	a/84	1904-5; 1923-30; 1933-47; (1930-33)an/; (1904-5†;1923-30†)ao/.
North Platte River near Walden (Hebron), Colo. . . . .	463	1904-5; 1923-30; 1933-47; (1930-33)an/; (1923-30†)ao/.
North Fork North Platte River at Higo, Colo. . . . .	-	1904-5.
North Fork North Platte River near Walden, Colo. . . . .	168	1923-28; 1937-45; (1923-28†)ao/.
North Platte River near Cowdrey, Colo. . . . .	-	1904-5.

\* Gage heights, or gage heights and discharge measurements only.

† Monthly figures of discharge or contents only.

a/ Approximately.

c/ In reports of Missouri River Commission.

d/ 73d Cong., 2nd sess., H. Doc. 238, Missouri River.

e/ In reports of U. S. Weather Bureau.

o/ In U. S. Geological Survey Circular 108.

al/ Approximately, includes about 1,980 sq mi which are probably noncontributing.

am/ Approximately, combined drainage area of Little Sioux River and Monona-Harrison ditch.

an/ In reports of State engineer of Colorado.

ao/ 73d Cong., 2d sess., H. Doc. 197, Platte River.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Platte River basin--Continued.		
Michigan River:		
South Fork Michigan River near Gould, Colo. . . . .	10.2	1950-55.
North Fork Michigan River near Gould, Colo. . . . .	19.5	1950-
Michigan River near Lindland, Colo. . . . .	a/62	1933-41; (1931-33)an/.
Michigan River at Haworth School, near Lindland, Colo..	114	1937-39.
Owl Creek near Lindland, Colo. . . . .	-	1937.
Michigan River at (near) Walden, Colo. . . . .	185	1904-5; 1923-30; 1933-47; (1930-33)an/; (1904-5†; 1923-30†)ao/; (1918†)ap/.
Illinois Creek near Rand, Colo. . . . .	a/71	1933-40; (1931-33)an/.
Willow Creek near Rand, Colo. . . . .	a/71	1933-40; (1931-33)an/.
Illinois Creek at Walden, Colo. . . . .	259	1923-30; 1933-47; (1917-18†)ap/; (1923-30†)ao/; (1930-33)an/.
Michigan River near Cowdrey, Colo. . . . .	480	1904-5; 1937-47.
Canadian River at Cowdrey, Colo. . . . .	174	1904-5; 1929-31; 1937-47; (1929-30†)ao/.
North Platte River near Northgate (Pinkhampton), Colo. . .	a/1,440	1904; 1915- ; (1904-6†; 1910-21†)ao/.
Douglas Creek above Keystone, Wyo. . . . .	-	1955-
Douglas Creek near Keystone, Wyo. . . . .	a/28	1912; 1914-16.
Douglas Creek near Foxpark, Wyo. . . . .	121	1946-
Mullen Creek:		
North Fork Mullen Creek (Mullen Creek) near French, Wyo. . . . .	-	1911*
Big Creek near Big Creek (Downington), Wyo. . . . .	123	1911-12*, 1913-14†; 1915-24; (1909†; 1913-15)m/; (1912-24†)ao/.
French Creek near French, Wyo. . . . .	a/60	1911-12; 1913-14†; 1915-24; (1909-11†; 1911-15)m/; (1911-24†)ao/.
Brush Creek near Saratoga, Wyo. (upper station) . . . .	77.5	1941-45.
Brush Creek near Saratoga, Wyo. (lower station) . . . .	a/98	1911-12; 1913-14†; 1915; (1909-11†; 1911-14)m/.
Encampment River above Encampment, Wyo. . . . .	205	1940-44.
Encampment River at Encampment (Peryam's ranch), Wyo. .	219	1900; 1911-12; 1912-14†; 1915-24; 1929-32; (1909-10†; 1913-14)m/; (1921-24†; 1928-29†)ao/.
Encampment River at mouth, near Encampment, Wyo. . . .	260	1940-
Cow Creek near Saratoga, Wyo. . . . .	a/60	1911-12; (1909-10†)m/.
Spring Creek:		
North Spring Creek near Saratoga, Wyo. . . . .	a/26	1913-15.
Spring Creek near Saratoga, Wyo. . . . .	152	1911-12.
North Platte River at Saratoga, Wyo. . . . .	a/2,880	1903-6; 1909; 1910- ; (1906-9†; 1909-10†)aa/.
Jack Creek at Matheson ranch, near Saratoga, Wyo. . . .	a/32	1913-17; 1919-24; (1913-17†; 1918-24†)ao/.
Jack Creek at Blydenburg's ranch near Saratoga, Wyo. . .	-	1912-14†; (1913-14)m/.
Jack Creek at Burdick's ranch near Saratoga, Wyo. . . .	-	1911-12; (1909-10†)m/.
Pass Creek near Saratoga, Wyo. . . . .	119	1929-32.
Pass Creek near Walcott, Wyo. . . . .	278	1911; (1909-10†)m/.
North Platte River above Seminole Reservoir, near Sinclair (Parco), Wyo. . . . .		
Medicine Bow River near Elk Mountain, Wyo. . . . .	a/4,320	1939-
Medicine Bow River near Medicine Bow, Wyo. . . . .	65.6	1946-47.
Medicine Bow River near Medicine Bow, Wyo. . . . .	178	1911-12; 1913-14†; 1915-17; 1919-24; (1913-14)m/; (1911-17†; 1919-24†)ao/.
Medicine Bow River above Rock Creek, near Medicine Bow, Wyo. . . . .		
Rock Creek:	-	1951-
Deep Creek near Arlington, Wyo. . . . .	a/3.7	1914-18.

\* Gage heights, or gage heights and discharge measurements only.

† Monthly figures of discharge or contents only.

a/ Approximately.

m/ In reports of State engineer of Wyoming.

aa/ In "Water Resources of Nebraska", Nebraska State Planning Board.

an/ In reports of State engineer of Colorado.

ao/ 73d Cong., 2d Sess., H. Doc. 197, Platte River.

ap/ In "Water Resources of Colorado", Colorado Water Conservation Board.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Platte River basin--Continued.		
Medicine Bow River--Continued.		
Rock Creek--Continued.		
Rock Creek at (near) Arlington, Wyo. . . . .	a/70	1911-18; 1939- ; (1909-10†)m/.
Rock Creek near Rock River, Wyo. . . . .	184	1911-12; 1928-33; (1909-10†)m/.
Rock Creek below Rock River, Wyo. . . . .	216	1940-42; 1951-
Medicine Bow River at Medicine Bow, Wyo. . . . .	a/900	1901.
Little Medicine Bow River:		
Muddy Creek near Shirley, Wyo. . . . .	a/67	1915-17.
Medicine Bow River above Seminole Reservoir, near Hanna, Wyo. . . . .	a/2,310	1939-
Seminole Reservoir near Leo, Wyo. . . . .	a/7,340	1939-40; 1940-50†; 1950-; (1940-50) v/.
North Platte River above Pathfinder Reservoir, Wyo. . . . .	a/7,350	1913-25; 1929-39; 1950-; (1903-9†)aa/; (1909-13; 1925-29) v/.
Sage Creek above Pathfinder Reservoir, Wyo. . . . .	182	1915-25; (1915-25†)ao/;
Deweese Creek near Alcova, Wyo. . . . .	a/41	1915-24; (1916-24†)ao/.
Sand Creek near (above) Alcova, Wyo. . . . .	a/70	1915-24; (1915-24†)ao/.
Sweetwater River near Atlantic City, Wyo. . . . .	411	1946-51.
Sweetwater River at Devils Gate, near Splitrock, Wyo. . . . .	a/2,180	1902-3.
Sweetwater River near Alcova, Wyo. . . . .	a/2,270	1913-24; 1938- ; (1913-24†)ao/.
Horse Creek near Alcova, Wyo. . . . .	119	1915-24; (1915-24†)ao/.
Canyon Creek near Alcova, Wyo. . . . .	a/54	1915-24; (1915-24†)ao/.
Pathfinder Reservoir near Alcova, Wyo. . . . .	a/10,700	1938-40; 1940-50†; 1950- ; (1909-13†; 1914-38; 1940-50) v/.
North Platte River below Pathfinder Reservoir (at Pathfinder), Wyo. . . . .	a/10,700	1905-40; 1949- ; (1905- 7)ao/; (1940-49) ag/.
Alcova Reservoir near Alcova, Wyo. . . . .	a/10,800	1938-50†; 1950- ; (1938-50) v/.
North Platte River at Alcova, Wyo. . . . .	a/10,800	1904-5; 1935-
Bates Creek near Freeland, Wyo. . . . .	129	1940; 1945-51.
Bates Creek near Alcova (Casper), Wyo. . . . .	377	1916-24; 1935-54; (1916-24†)ao/.
North Platte River near Goose Egg (Casper), Wyo. . . . .	a/11,500	1917-19; 1924; 1950-
Poison Spider Creek near Goose Egg, Wyo. . . . .	-	1950-
Casper Creek at Casper, Wyo. . . . .	662	1946-
North Platte River below (at) Casper, Wyo. . . . .	a/12,600	1929-
North Platte River at Parkerton, Wyo. . . . .	-	1919-24.
Deer Creek in canyon, near Glenrock, Wyo. . . . .	120	1946-51.
Deer Creek at Glenrock, Wyo. . . . .	216	1916-24; 1928-33; 1935- ; (1916-17; 1918- 24†; 1927-30†)ao/.
Running Dutchman Canal near Careyhurst, Wyo. . . . .	-	1935-50.
Box Elder Creek at Boxelder, Wyo. . . . .	63.2	1946-51.
Box Elder Creek near Careyhurst, Wyo. . . . .	202	1911; 1916-24; 1928-33; 1935- ; (1915-24†; 1928-29†)ao/.
Douglas (Morton) Canal near Orpha, Wyo. . . . .	-	1935-45; 1945-47†; 1947-51.
La Prele Creek near Douglas, Wyo. . . . .	146	1919-
La Prele Creek near Orpha (Fetterman), Wyo. . . . .	227	1916; 1918; 1923-24; 1928-33; 1935- ; (1917-18†; 1922-24†; 1927-29†)ao/.
North Platte River near (at) Douglas, Wyo. . . . .	a/14,300	1891-93†; 1894; 1919- 23; 1929-39; 1946- ; 1916-24; 1929-32; 1937- ; (1916-24†)ao/.
Wagonhound Creek near La Bonte, Wyo. . . . .	125	
La Bonte Creek:		
West Fork La Bonte Creek near La Bonte, Wyo. . . . .	23.8	1946-51.

† Monthly figures of discharge or contents only.

a/ Approximately.

m/ In reports of State engineer of Wyoming.

v/ In reports of Nebraska Department of Roads and Irrigation.

aa/ In "Water Resources of Nebraska", Nebraska State Planning Board.

ao/ 73d Cong., 2d sess., H. Doc. 197, Platte River.

ad/ In "Water Resources of Colorado", Colorado Water Conservation Board.

ag/ In files of U. S. Geological Survey, Denver district office.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Platte River basin--Continued.		
La Bonte Creek--Continued.		
La Bonte Creek near La Bonte, Wyo. . . . .	302	1916-24; 1928-33; 1935- ; (1916-24†; 1928-29†)ao/.
North Platte River at Orin (Orin Junction), Wyo. . . . .	a/14,800	1895-99*; 1924.
North Platte River at McKinley, Wyo. . . . .	-	1917-18.
Horseshoe Creek near Esterbrook, Wyo. . . . .	a/45	1946-51.
Horseshoe Creek near Glendo, Wyo. . . . .	203	1916-19; 1921-24; 1928- 33; 1935- ; (1909- 10†)m/; (1915-19†; 1920-24†;1927-29†)ao/.
North Platte River near Cassa, Wyo. . . . .	a/15,700	1946-
Cottonwood Creek near Fletcher Park, Wyo. . . . .	48.1	1946-51.
Cottonwood Creek at (near) Wendover, Wyo. . . . .	159	1916-24; 1929-33; 1935- 42; 1946-55; (1909- 10†)m/; (1915-24†)ao/.
Guernsey Reservoir near Guernsey, Wyo. . . . .	a/16,200	1938-50†; 1950- ; (1928-50)v/.
North Platte River below Guernsey Reservoir, (at, near Guernsey, above Whalen), Wyo. . . . .	a/16,200	1900- ; (1902-8†)ao/.
Interstate Canal at Whalen, Wyo. . . . .	-	1910-16; (1909;1917-28; 1930-31; 1932- )v/.
North Platte River at recorder station below Whalen (near Fort Laramie, below Whalen), Wyo. . . . .	a/16,300	1887-89†; 1909- ; (1908-9)aa/.
Laramie River near Glendevey, Colo. . . . .	101	1904-5; 1910-30;1933- ; (1915-17†; 1919- 30†)ao/; (1930-33)an/.
McIntyre Creek at Gleneyre, Colo. . . . .	-	1904-5; (1913†)an/.
Laramie River near Jelm, Wyo. . . . .	297	1904†; 1905; 1911- ; (1910-11†; 1921- 28†)ao/.
Laramie River at (near) Woods Landing, Wyo. . . . .	375	1890-92; 1895*; 1896- 1900; 1911; (1911- 18†)ao/.
Laramie River and Pioneer Canal near Woods, Wyo. . . . .	418	1912; 1913-14†;1914-24; 1927; 1932- ; (1913- 14)m/; (1917-24†)ao/.
Laramie River at Laramie, Wyo. . . . .	-	1933-48; 1950-
Laramie River at Two Rivers, Wyo. . . . .	a/1,290	1911-27; 1933- ; (1913)m/; (1908-27†)ao/.
Little Laramie River near Filmore (Hatton), Wyo. . . . .	155	1902-3; 1911-12; 1913- 14; 1915-26; 1933- ; (1913-14)m/; (1921-26†)ao/.
Little Laramie River at Two Rivers (near Laramie), Wyo. . . . .	310	1903*; 1911-27; 1933- ; (1909-26†)ao/.
Laramie River near Lookout, Wyo. . . . .	a/2,100	1912-14†; 1915-17; 1932- ; (1913-14)m/; (1913-17†;1921-27†)ao/.
Wheatland Reservoir No. 2, Wyo. . . . .	a/2,200	1951-
Laramie River at McGill, Wyo. . . . .	-	1912-14†; 1915.
Laramie River below Wheatland Reservoir No. 2 (below McGill), Wyo. . . . .	a/2,230	1916-17; 1951-
Laramie River near Wheatland, Wyo. . . . .	a/2,480	1912; 1913-14†; 1915- 16; 1929-33; (1913-14)m/.
Sybillie Creek above Bluegrass Creek, near Wheatland, Wyo. . . . .	265	1941-
Sybillie Creek below Bluegrass Creek, near Wheatland, Wyo. . . . .	369	1950-
Wheatland Canal No. 1 near Wheatland, Wyo. . . . .	-	1952-
Wheatland Canal No. 2 near Wheatland, Wyo. . . . .	-	1952
Sybillie Creek near Mule Shoe Ranch, near Wheatland, Wyo. . . . .	542	1950-

\* Gage heights, or gage heights and discharge measurements only.

† Monthly figures of discharge or contents only.

‡ Fragmentary record.

a/ Approximately.

d/ 73d Cong., 2nd sess., H. Doc. 238, Missouri River.

m/ In reports of State engineer of Wyoming.

v/ In reports of Nebraska Department of Roads and Irrigation.

aa/ In "Water Resources of Nebraska", Nebraska State Planning Board.

an/ In reports of State engineer of Colorado.

ao/ 73d Cong., 2d sess., H. Doc. #97, Platte River.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Platte River basin--Continued.		
Laramie River--Continued.		
Sybilie Creek--Continued.		
Sybilie Creek near Wheatland, Wyo. . . . .	568	1912†; 1914†; 1915-16; (1913-14†)ao/.
North Laramie River (at upper station) near Wheatland, Wyo. . . . .	366	1914-23; 1939- ; (1914-22†)ao/.
North Laramie River near Wheatland, Wyo. . . . .	370	1912; 1913-14†; (1913-14)m/.
North Laramie River at Uva, Wyo. . . . .	-	1911-12*.
Laramie River at Uva, Wyo. . . . .	3,179	1895-99; 1903.
Chugwater Creek at Chugwater, Wyo. . . . .	a/430	1911-12; 1913-14†; 1915- 21; 1938-40; (1913- 14)m/; (1913-14†)ao/.
Laramie River near Uva, Wyo. . . . .	-	1952-
Laramie River near (at) Fort Laramie, Wyo. . . . .	a/4,600	1915- ; (1914-26†)ao/.
Rawhide Creek near (east of) Lingle, Wyo. . . . .	a/510	1928- ; (1923-25)v/.
North Platte River at Vaughn, Wyo. . . . .	-	1924.
North Platte River at Torrington, Wyo. . . . .	a/21,700	1930-39; (1919†; 1924†; 1926-30†)ao/; (1928-30)v/.
Cherry Creek drain near Torrington, Wyo. . . . .	-	1935- ; (1926-29)v/.
Arnold drain near Torrington, Wyo. . . . .	-	1939-42; (1924-29)v/.
Katzer drain near Henry, Nebr. . . . .	-	1928- ; (1926-29)v/.
Mitchell Canal at Wyoming-Nebraska State line. . . . .	-	1938-41; (1916-19; 1921- 31; 1932- )v/; (1928-38†)m/.
North Platte River at Wyoming-Nebraska State line. . . . .	a/22,100	1890†; 1929- ; (1927-29†)aa/.
North Platte River at Henry, Nebr. . . . .	a/22,100	1912-16; (1912-19)v/.
Horse Creek near Meriden, Wyo. . . . .	-	1945-47.
Horse Creek near Little Horse Creek, Wyo. . . . .	-	1911-12*.
Horse Creek near La Grange, Wyo. . . . .	683	1911-12*; 1915-20; (1909-10†; 1913-14)m/; (1912-14†; 1915†; 1919†)ao/.
Horse Creek near Yoder, Wyo. . . . .	a/1,320	1928-33; 1938-41; (1941-44†)m/.
Horse Creek near Lyman, Nebr. . . . .	a/1,860	1931- ; (1921-)v/; (1920-38†)aa/.
Sheep Creek near Morrill, Nebr. . . . .	-	1931- ; (1919-)v/.
North Platte River at Morrill, Nebr. . . . .	a/24,100	(1917; 1919-23)v/.
Dry Spotted Tail Creek at Mitchell, Nebr. . . . .	-	1948- ; (1919-)v/.
North Platte River at Mitchell, Nebr. . . . .	a/24,300	1901-11; 1912-13*; 1930- ; (1901-13; 1916-18; 1920-)v/.
Tub Springs near Scottsbluff, Nebr. . . . .	-	1948- ; (1920-39; 1940-48†)v/.
North Platte River at Scottsbluff (near Gering), Nebr. . . . .	a/24,500	1897-1900; 1912; (1917-18)v/.
Winter Creek near Scottsbluff, Nebr. . . . .	-	1931- ; (1919-)v/.
Gering drain near Gering, Nebr. . . . .	-	1930-45; 1948- ; (1923-45)v/.
North Platte River near Minatare (at Melbeta), Nebr. . . . .	a/24,700	1930- ; (1916-19; 1922-)v/.
Ninemile drain near McGrew (Minatare), Nebr. . . . .	-	1932- ; (1930-)v/.
Bayard Sugar Factory drain near Bayard, Nebr. . . . .	-	1931-
Red Willow Creek near Bridgeport, Nebr. . . . .	a/83	1930-31; (1919-31)v/.
Red Willow Creek near Bayard, Nebr. . . . .	-	1932- ; (1931-)v/.
North Platte River at Bridgeport (near Camp Clark), Nebr. . . . .	a/25,300	1896-1900†; 1902-6†; 1915; 1930- ; (1915-)v/.
Pumpkin (Pumpkinseed) Creek near Bridgeport, Nebr. . . . .	a/1,080	1930- ; (1922-)v/; (1921-38†)aa/.
North Platte River at Broadwater, Nebr. . . . .	a/26,700	(1917-23)v/.

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† Monthly figures of discharge or contents only.

‡ Fragmentary record.

a/ Approximately.

m/ In reports of State engineer of Wyoming.

v/ In reports of Nebraska Department of Roads and Irrigation.

aa/ In "Water Resources of Nebraska", Nebraska State Planning Board.

ao/ 73d Cong., 2d sess., H. Doc. 197, Platte River.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Platte River basin--Continued.		
North Platte River at Lisco, Nebr. . . . .	a/26,900	1931- ; (1916-17)v/.
North Platte River at Oshkosh, Nebr. . . . .	a/27,500	1930- ; (1916-17#; 1928- )v/.
Blue Creek near Lewellen, Nebr. . . . .	267	1930- ; (1919- )v/.
North Platte River at Lewellen, Nebr. . . . .	a/28,500	1931; 1940- (1917-25)v/.
North Platte River at Belmar, Nebr. . . . .	a/29,100	1931; 1932-37; (1920- 1922-42)v/.
Otter Creek near Lemoyne, Nebr. . . . .	rr/13.9	(1926-27)v/; (1925-27+)ao/.
North Platte River at Lemoyne, Nebr. . . . .	a/29,500	1933-38.
North Platte River at Martin, Nebr. . . . .	a/30,000	1941- +; (1941- )v/.
McConaughy Lake (Kingsley Reservoir) near Keystone, Nebr. . . . .	-	1940- ; (1917;1939- )v/.
North Platte River near Keystone, Nebr. . . . .	a/30,000	1931; 1936- ; (1917; 1931-33; 1935- )v/.
North Platte River near Sutherland, Nebr. . . . .	a/31,300	1913-15.
Birdwood Creek near Sutherland, Nebr. . . . .	a/250	1931- ; (1920; 1922- )v/.
Birdwood Creek near Hershey, Nebr. . . . .	286	(1921-38+)aa/.
Lincoln County drain No. 1 (Lincoln County drain) at North Platte, Nebr. . . . .	-	1931-32; 1955- ; (1924- )v/.
North Platte River at North Platte, Nebr. . . . .	a/32,000	1895-1915#; 1930- ; (1895- )v/.
(Middle Fork) South Platte River at Alma, Colo. . . . .	23.7	1916.
(Middle Fork) South Platte River at Fairplay, Colo. . . . .	83	1910-12*; 1916; (1917)an/.
South Fork South Platte (Little South Platte) River. at Twin Bridges (near Fairplay), Colo. . . . .	a/ pp/87	1916; (1917+; 1933-38+)ap/.
South Platte River above Elevenmile Canyon Reservoir, near Hartsel, Colo. . . . .	861	1939- ; (1933-38+)ap/.
Elevenmile Canyon Reservoir near Lake George, Colo. . . . .	-	1938- +
(South Fork) South Platte River near (at) Lake George, Colo. . . . .	929	1910*; 1911-15; 1929- ; (1916-29)an/; (1910-28+)ao/.
Tarryall Creek:		
Boreas Pass ditch at Boreas Pass, Colo. . . . .	-	1933- ; as/.
Tarryall Creek above (near) Como, Colo. . . . .	a/ pp/37	1911-12*; (1934-38+)ap/.
Michigan Creek above (near) Jefferson, Colo. . . . .	a/ pp/19	1910-13*; (1934-38+)ap/.
Jefferson Creek above (at) Jefferson, Colo. . . . .	a/ pp/12	1910-12*; (1934-38+)ap/.
Tarryall Creek near Jefferson, Colo. . . . .	223	1910-11*; 1912-17.
Rock Creek near Jefferson, Colo. . . . .	a/44	1916.
Tarryall Creek near Lake George (Hayman), Colo. . . . .	460	1910-12; 1933-55; (1925-33)an/.
South Platte River above Cheesman Lake (Lake Cheesman), Colo. . . . .	a/1,680	1933-43; (1924-33)an/; (1908-33+)ap/.
Goose (Lost Park) Creek above (near) Cheesman Lake (Lake Cheesman), Colo. . . . .	a/86	1899*; 1933- ; (1924- 33)an/; (1908-38+)ap/.
Cheesman Lake (Lake Cheesman) Reservoir near Deckers, Colo. . . . .	-	1938- +
South Platte River below (at) Cheesman Lake (Lake Cheesman), Colo. . . . .	1,766	1899-1900; 1901+; 1933- ; (1924-33)an/; (1899-1933+)ap/.
South Platte River above North Fork at South Platte, Colo. . . . .	a/2,160	1905-12; (1904-7+)ao/; (1913-38+)ap/.
North Fork South Platte River at Grant, Colo. . . . .	a/51	1910-18.
Geneva Creek above Jackwhacker Creek, near Grant, Colo. . . . .	-	1909-11*.
Smelter Creek at Old Geneva Smelter, near Grant, Colo. . . . .	-	1909-11*.
Geneva Creek at Old Geneva Smelter, near Grant, Colo. . . . .	-	1909-11*.
Duck Lake Creek near Grant, Colo. . . . .	a/8	1909-11*.
Scott Gomer Creek at Sullivan's Ranch, near Grant, Colo. . . . .	a/21	1909-10*; 1911-13.

\* Gage heights, or gage heights and discharge measurements only.

† Monthly figures of discharge or contents only.

# Fragmentary record.

a/ Approximately.

v/ In reports of Nebraska Department of Roads and Irrigation.

aa/ In "Water Resources of Nebraska", Nebraska State Planning Board.

an/ In reports of State engineer of Colorado.

ao/ 73d Cong., 2d sess., H. Doc. 197, Platte River.

ap/ In "Water Resources of Colorado", Colorado Water Conservation Board.

ar/ Includes about 8.5 sq mi which are probably noncontributing.

as/ Prior to October 1947 published in WSP 1313, (for Part 9)

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Platte River basin--Continued.		
South Platte River--Continued.		
North Fork South Platte River--Continued.		
Geneva Creek at Grant (Sullivan's Ranch, near Grant), Colo. . . . .	a/74	1908-18.
North Fork South Platte River below Geneva Creek at Grant (Cassells), Colo. . . . .	127	1908-13; 1942-
North Fork South Platte River at Pine, Colo. . . . .	374	1942-46.
North Fork South Platte River at South Platte, Colo. . . . .	484	1909-10; 1913-
South Platte River at South Platte (near Deansbury, Platte Canyon), Colo. . . . .	a/2,550	1887-90; 1891-92†; 1895-97; 1899-1900; 1902- ; (1887-92)an/; (1887-92†; 1898- 1907†; 1912†)ao/.
South Platte River at Waterton, Colo. . . . .	a/2,620	1933- ; (1926-33)an/; (1925-30†)ao/.
Deer Creek near Littleton, Colo. . . . .	21.8	1942-46.
Plum Creek near Sedalia, Colo. . . . .	273	1942-47.
Plum Creek near Louviers, Colo. . . . .	319	1947-
South Platte River at Littleton, Colo. . . . .	a/3,090	1941-
Bear Creek at (near) Morrison, (at Idledale, Starbuck), Colo. . . . .	165	1888-90; 1891†; 1895- 1901; 1902*; 1933- ; (1888-91; 1919-33)an/; (1887-91†; 1895- 1901†)ao/.
Turkey Creek near Morrison, Colo. . . . .	49.4	1942-53.
Bear Creek at mouth, at Sheridan (Sheridan Junction), Colo. . . . .	265	1933- ; (1914; 1927-33)an/.
Cherry Creek near Franktown, Colo. . . . .	172	1939-
Cherry Creek near Melvin, Colo. . . . .	369	1939-
Cherry Creek below Cherry Creek Reservoir, Colo. . . . .	386	1950-
Cherry Creek at Denver, Colo. . . . .	a/420	1942-
South Platte River at Denver, Colo. . . . .	a/3,840	1889-90; 1895-1906; 1909-13; 1933- ; (1906-8†; 1913-33)an/; (1895-1930†)ao/.
Clear Creek:		
West Fork Clear Creek:		
Jones Pass tunnel at east portal near Jones Pass, Colo. . . . .	-	1940- †
Hoop Creek:		
Berthoud Pass ditch at Berthoud Pass, Colo. . . . .	-	1910-31**; 1931- † as/.
West Fork Clear Creek above Empire, Colo. . . . .	39.9	1942-46.
West Fork Clear Creek near Empire, Colo. . . . .	a/57	1929-31.
Clear Creek near Lawson, Colo. . . . .	144	1946-
Fall River near Idaho Springs, Colo. . . . .	23.6	1933-38; (1930-33)an/.
Clear Creek at Idaho Springs, Colo. . . . .	239	1910*; 1911-12; (1910-12†)ap/.
Clear Creek below Idaho Springs, Colo. . . . .	264	1951-55.
North Clear Creek near Blackhawk, Colo. . . . .	55.8	1951-55.
Clear Creek at Forks Creek (above Golden), Colo. . . . .	345	1887-88; 1899-1912.
Clear Creek near Golden, Colo. . . . .	392	1908-9; 1911-29; 1933- ; (1929-33)an/; (1913†; 1926-27†)ap/.
Clear Creek at mouth, near Derby, Colo. . . . .	600	1933- ; (1914; 1927-33)an/.
South Platte River at Henderson, Colo. . . . .	a/4,740	1933- ; (1926-33)an/.
South Platte River at Fort Lupton, Colo. . . . .	a/5,070	1933- ; (1906†; 1929-33)an/.
North St. Vrain Creek near Allens Park, Colo. . . . .	a/33	1925-30.
North St. Vrain Creek at Longmont Dam, near Lyons, Colo. . . . .	109	1933-53; (1925-33)an/; (1912-13†; 1914-17†; 1922-23†)ap/.
South St. Vrain Creek near Ward, Colo. . . . .	14.3	1926-27; 1929-31; 1954-
Middle St. Vrain Creek near Allens Park, Colo. . . . .	a/28	1926-30.

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an/ In reports of State engineer of Colorado.

ao/ 73d Cong., 2d sess., H. Doc. 197, Platte River.

ap/ In "Water Resources of Colorado", Colorado Water Conservation Branch.

as/ Prior to October 1947, published in WSP 1313, (for Part 9).

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Platte River basin--Continued.		
South Platte River--Continued.		
North St. Vrain Creek--Continued.		
Supply ditch at Lyons, Colo. . . . .	-	1899*; 1902*; 1903.
St. Vrain Creek at (near) Lyons, Colo. . . . .	226	1887-90; 1891-92†; 1895-1903; 1909-13; 1933- ; (1891; 1904-8†; 1914-33)an/; (1887-91†; 1895-1930†)ao/.
Lefthand Creek near Boulder, Colo. . . . .	a/48	1929-31; 1947-53.
Lefthand Creek at mouth, at (near) Longmont, Colo. . . . .	a/74	1933-41; 1953-55; (1927-33)an/.
Middle Boulder Creek at Nederland, Colo. . . . .	35.5	1934-40; 1945- ; (1907-28)at/; (1928-33)an/; (1908-10†; 1917-33)ap/.
North Boulder Creek at Silver Lake, Colo. . . . .	a/8.7	1913-28; (1929†)ao/.
North Boulder Creek near Nederland, Colo. . . . .	a/25	1929-31.
Boulder Creek near (at) Orodell (North Boulder Creek above Boulder), Colo. . . . .	105	1887-88; 1907-13; 1933- ; (1914; 1916-33)an/; (1907-14†; 1916-30†)ao/.
Fourmile Creek at Orodell (at mouth, near Orodell), Colo. . . . .	24.7	1947-53; (1887†)ap/.
Boulder Creek near Boulder (North Boulder Creek above Boulder), Colo. . . . .	-	1888-90; 1891-92†; 1895-1901; 1907-8; (1891-92; 1904-6†)an/.
South Boulder Creek:		
Moffat water tunnel at East Portal, Colo. . . . .	-	1936- † au/
South Boulder Creek near Rollinsville, Colo. . . . .	43.1	1910-18; 1945-49; (1911-18†)ao/.
South Boulder Creek near (at) Eldorado Springs (Marshall), Colo. . . . .	114	1888-90; 1891-92†; 1895-1901; 1909-13; 1933- ; (1891-92; 1914-33)an/; (1904-30†)ao/.
Community Canal near Marshall, Colo. . . . .	-	1909; (1926-38†)ap/.
Boulder Creek at mouth, near Longmont, Colo. . . . .	512	1933-49; 1951-55; (1927-33)an/.
St. Vrain Creek at mouth, near Platteville, Colo. . . . .	a/1,000	1933- ; (1904-6†; 1915; 1927-33)an/.
Big Thompson River:		
Spruce Canyon:		
Eureka ditch near Flattop Mountain, Colo. . . . .	-	1940- † as/
Glacier Creek near Estes Park, Colo. . . . .	25.2	1946-
Fall River at Estes Park, Colo. . . . .	40.8	1947-53.
Big Thompson River (Thompson River) at Estes Park, Colo. . . . .	137	1946-
Alva B. Adams tunnel at East Portal, near Estes Park, Colo. . . . .	-	1947-
Marys Lake near Estes Park, Colo. . . . .	-	1950-
Fish Creek near Estes Park, Colo. . . . .	16.9	1947-55.
Lake Estes near Estes Park, Colo. . . . .	151	1950-
Big Thompson River (Thompson River) near Estes Park, Colo. . . . .	151	1933- ; (1930-33)an/.
North Fork Big Thompson River (Thompson River) at Drake, Colo. . . . .	85.1	1947-55.
Big Thompson River (Creek, Thompson River) below power house, near Drake, Colo. . . . .	277	1917-26; 1928-55.
Horsetooth Reservoir Canal below Big Thompson siphon, near Drake, Colo. . . . .	-	1950-55.
Horsetooth Reservoir near Fort Collins, Colo. . . . .	-	1951-
Big Thompson River (Thompson River) at mouth of canyon, near Drake, Colo. . . . .	302	1926-30; 1938-49; 1951- ; (1930-33)an/.
Big Thompson River (Creek) near Arkins, Colo. . . . .	305	1887-90; 1891-92†; 1895-1903; 1909-11; (1891-92)an/; (1895-1911†)ao/.

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ao/ 73d Cong., 2d sess., H. Doc. 197, Platte River.

ap/ In "Water Resources of Colorado", Colorado Water Conservation Board.

as/ Prior to October 1947, published in WSP 1313, (for Part 9).

at/ In files of State engineer of Colorado.

au/ Prior to May 1945, published only in Part 9.



<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Platte River basin--Continued.		
South Platte River--Continued.		
Big Thompson River--Continued.		
Handy ditch near Arkins, Colo. . . . .	-	1899*; 1903.
Buckhorn Creek near Masonville, Colo. . . . .	a/140	1947-55.
Chimney Hollow Dry Creek near Pinewood, Colo. . . . .	a/7.4	1950-52.
Cottonwood Creek:		
Rattlesnake Creek near Pinewood, Colo. . . . .	a/3.3	1950-52.
Cottonwood Creek near Pinewood, Colo. . . . .	15.1	1947-53
Big Thompson River near Loveland, Colo. . . . .	515	1947-55
Little Thompson River near Berthoud, Colo. . . . .	a/100	1929-30; 1947-
Dry Creek:		
Carter Lake near Berthoud, Colo. . . . .	-	1954- +
Dry Creek below Carter Lake, Colo. . . . .	a/1.5	1949-52.
Little Thompson River at Milliken, Colo. . . . .	192	1951-55.
Big Thompson River (Thompson River) at mouth, near La Salle, Colo. . . . .	818	1933- ; (1914; 1927-33)an/.
Cache la Poudre River:		
Long Draw:		
Grand River ditch at La Poudre Pass, Colo. . . . .	-	1896-1903†; 1903-9**; 1909- + as/.
Joe Wright Creek:		
Cameron Pass ditch at Cameron Pass, Colo. . . . .	-	1948- +
Michigan ditch at Cameron Pass, Colo. . . . .	-	1948- +
Skyline ditch at Chambers Lake, Colo. . . . .	-	1948- +
Cache la Poudre River above Chambers Lake outlet, Colo. . . . .	a/91	1929-31.
Laramie-Poudre tunnel near Chambers Lake, Colo. . . . .	-	1948- +
Cache la Poudre River near Log Cabin (Elkhorn), Colo. . . . .	235	1909-11; 1929-31.
Roaring Creek:		
Bob Creek ditch near Nunn Creek basin, Colo. . . . .	-	1949- +
South Fork Cache la Poudre River near Eggers, Colo. . . . .	a/69	1929-31.
Cache la Poudre River below Elkhorn Creek, Colo. . . . .	407	1946-
Cache la Poudre River near Fort Collins, Colo. . . . .	495	1909-11.
North Fork Cache la Poudre River:		
Columbine ditch near Deadman Hill, Colo. . . . .	-	1949- +
Sheep Creek:		
Wilson Supply ditch near Eaton Reservoir, Colo. . . . .	-	1948- +
North Fork Cache la Poudre River at Livermore, Colo. . . . .	541	1929-31.
North Fork Cache la Poudre River near Livermore Colo. . . . .	566	1947-
Cache la Poudre River at mouth of canyon, near Fort Collins, Colo. . . . .	1,048	1884-1901; 1910-13; 1933- ; (1902-3; 1914- 33)an/; (1881†)ap/; (1884-1903†)ao/.
Cache la Poudre River near Greeley, Colo. . . . .	a/1,840	1903; 1933- ; (1904†)ap/; (1914-19; 1924-33)an/.
Lonetree Creek near Granite Canyon, Wyo. . . . .	a/23	1933-48.
Lonetree Creek near Nunn, Colo. . . . .	a/190	1951-
South Platte River near Kersey, Colo. . . . .	a/9,500	1901-3; 1905-12; 1913*; 1933- ; (1914-33)an/; (1905-30†)ao/.
Middle Fork Crow Creek near Hecla, Wyo. . . . .	a/23	1902-3; 1933-45; 1948-
South (Fork) Crow Creek near Hecla, Wyo. . . . .	a/16	1933-44; 1947-
North Fork Crow Creek near Hecla, Wyo. . . . .	a/27	1933-44.
Crow Creek near Cheyenne, Wyo. . . . .	308	1922-24; 1951-
Crow Creek near Barnesville, Colo. . . . .	a/1,280	1951-
South Platte River at Sublette, Colo. . . . .	a/12,900	1933-41; 1943-55; (1926-33)an/.
Kiowa Creek at Elbert, Colo. . . . .	-	1955-
South Platte River near Weldona, Colo. . . . .	a/13,200	1952-
Bijou Creek near Wiggins, Colo. . . . .	a/1,420	1950-
South Platte River at Orchard, Colo. . . . .	-	1895-1900; (1903-6†)an/.
South Platte River at Fort Morgan, Colo. . . . .	a/14,800	1943-
South Platte River at Balzac (Union), Colo. . . . .	a/17,700	1933- ; (1906-8*; 1917- 33)an/; (1916-30†)ao/.
South Platte River near Crook, Colo. . . . .	a/19,500	1953-

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as/ Prior to October 1947, published in WSP 1313, (for Part 9).

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Platte River basin--Continued.		
South Platte River--Continued.		
Lodgepole Creek near Federal, Wyo. . . . .	a/25	1933-38.
South Fork Lodgepole Creek near Federal, Wyo. . . . .	a/16	1933-38.
Lodgepole Creek at Bushnell, Nebr. . . . .	-	1931-32.
Lodgepole Creek at (near) Bushnell (above Oliver Reservoir), Nebr. . . . .	a/1,090	1932- ; (1925- )v/
Lodgepole Creek at (near, south of) Sidney, Nebr. . . . .	a/2,190	1931-32; (1924-31)v/.
Lodgepole Creek at Ralton, Nebr. (Colorado-Nebraska State Line, interstate station). . . . .	a/2,800	1931; 1951- ; (1925-31)v/.
South Platte River at Julesburg (Ovid), Colo. . . . .	a/22,800	1902-6; 1908-12; 1913*; 1914; 1930- ; (1914- 24; 1925-30)an/; (1923- 26)v/; (1901-38+)aa/.
South Platte River at Big Springs, Nebr. . . . .	a/23,200	1902*; 1903.
South Platte River at Paxton (Ogallala), Nebr. . . . .	a/23,700	1931-33; 1939- ; (1923; 1937- )v/.
South Platte River at North Platte, Nebr. . . . .	a/24,300	1897; 1914-15; 1931- ; (1915- )v/.
Platte River at Brady, Nebr. . . . .	a/56,900	1939- ; (1937- )v/.
Platte River near Cozad, Nebr. . . . .	a/57,200	1940- ; (1932; 1936- )v/.
Platte River near Lexington, Nebr. . . . .	a/58,000	1902-6 (1917-24)v/.
Plum Creek near Smithfield, Nebr. . . . .	268	1946-53.
Platte River near Overton (Elm Creek), Nebr. . . . .	a/58,400	1914*; 1915; 1930- ; (1915-23; 1925- )v/; (1914-38+)aa/.
Buffalo Creek near Darr, Nebr. . . . .	a/63	1946-
Buffalo Creek near Overton, Nebr. . . . .	a/175	1949-
Elm Creek near Overton, Nebr. . . . .	a/31	1946-
Platte River near Odessa, Nebr. . . . .	a/58,800	1938- ; (1937- )v/.
Platte River near Grand Island, Nebr. . . . .	a/59,500	1933-
Wood River near Riverdale, Nebr. . . . .	379	1946-
Wood River near Gibbon, Nebr. . . . .	572	1949-
Wood River near Alda, Nebr. . . . .	-	1953-
Platte River at Central City, Nebr. . . . .	a/60,800	(1922-23; 1925-27)v/ (1924-27*)e/.
Prairie Creek:		
Dry Creek at Cairo, Nebr. . . . .	-	1949-53.
Prairie Creek near Silver Creek, Nebr. . . . .	406	1949-53.
Platte River near Duncan (Columbus), Nebr. . . . .	a/61,600	1895-1915; 1928-
Middle Loup River near Mullen, Nebr. . . . .	a/1,120	1946-48†.
Middle Loup River near Seneca, Nebr. . . . .	av/1,140	1948-53.
Middle Loup River at Dunning, Nebr. . . . .	aw/1,760	1945-
Dismal River (at Dunning damsite) near Gem, Nebr. . . . .	a/1,360	1946-53†.
Dismal River at Dunning, Nebr. . . . .	ax/1,780	1932; 1945-
Middle Loup River near Milburn, Nebr. . . . .	-	1951-
Middle Loup River at Walworth, Nebr. . . . .	ay/4,340	1940-41; 1943- ; (1940- )v/
Middle Loup River at Sargent, Nebr. . . . .	ay/4,490	1936-38; 1952-
Middle Loup River near Comstock, Nebr. . . . .	ay/4,650	1936-37.
Middle Loup River at Arcadia, Nebr. . . . .	ay/4,730	1937-
Middle Loup River at Loup City, Nebr. . . . .	-	1936-38; 1949-
Middle Loup River at Rockville, Nebr. . . . .	-	1955-
Boelus power canal near Boelus, Nebr. . . . .	-	1952- ; (1933-42; 1952- )v/
Middle Loup River at Boelus, Nebr. . . . .	-	1952- ; (1941-42; 1952- )v/
Middle Loup River at Boelus, Nebr. (combined with Boelus power canal) . . . . .	-	1936-38.
South Loup River near Cumro, Nebr. . . . .	az/1,340	1946-
South Loup River at Ravenna, Nebr. . . . .	ba/1,660	1940-
Mud Creek near Broken Bow, Nebr. . . . .	-	1949-53.

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a/ Approximatley

e/ In reports of U. S. Weather Bureau.

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aa/ In "Water Resources of Nebraska", Nebraska State Planning Board.

an/ In reports of State engineer of Colorado.

av/ Approximately, includes about 1,080 sq mi which are probably noncontributing.

aw/ Approximately, includes about 1,680 sq mi which are probably noncontributing.

ax/ Approximately, includes about 1,730 sq mi which are probably noncontributing.

ay/ Approximately, includes more than 3,800 sq mi which are probably noncontributing.

az/ Approximately, includes about 640 sq mi which are probably noncontributing.

ba/ Approximately, includes about 770 sq mi which are probably noncontributing.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Platte River basin--Continued.		
Middle Loup River--Continued.		
South Loup River--Continued.		
Mud Creek near Sweetwater, Nebr. . . . .	678	1946-
South Loup River at St. Michael, Nebr. . . . .	<u>bb</u> /2,560	1943-
Oak Creek near Dannebrog, Nebr. . . . .	122	1949-
Middle Loup River at St. Paul, Nebr. . . . .	<u>bc</u> /7,720	1895-97; 1899; 1903; 1928-;(1894-1915+) <u>aa</u> /
North Loup River at Brewster, Nebr. . . . .	<u>bd</u> /1,890	1945-51.
North Loup River at Taylor, Nebr. . . . .	<u>be</u> /2,210	1936-
North Loup River at Burwell, Nebr. . . . .	<u>bf</u> /2,510	1952-
Calamus River near Harrop, Nebr. . . . .	<u>bg</u> /983	1931-32.
Calamus River near Burwell, Nebr. . . . .	<u>bh</u> /1,260	1940-
North Loup River near Burwell, Nebr. . . . .	-	1936-38.
North Loup River at (near) Ord, Nebr. . . . .	-	1936-38; 1952-
North Loup River at Scotia, Nebr. . . . .	<u>bi</u> /4,100	1936-
Davis Creek near Cotesfield, Nebr. . . . .	-	1949-
North Loup River near Cotesfield, Nebr. . . . .	-	1950-
North Loup River near St. Paul, Nebr. . . . .	<u>bi</u> /4,460	1895-97; 1899; 1903; 1928-;(1894-1915+) <u>aa</u> /
Loup River:		
Spring Creek at Cushing, Nebr. . . . .	-	1949-53.
Cedar River near Spalding, Nebr. . . . .	<u>bj</u> /794	1945-53.
Cedar River near Fullerton, Nebr. . . . .	<u>bj</u> /1,220	1931-32; 1940-
Loup River power canal near Genoa, Nebr. . . . .	-	1936-
Loup River near Genoa, Nebr. . . . .	<u>bk</u> /14,440	1928-32; 1943- +††
Beaver Creek at Loretto, Nebr. . . . .	<u>bl</u> /311	1944-53.
Beaver Creek at Genoa, Nebr. . . . .	<u>bl</u> /627	1940-
Loup River at Columbus, Nebr. . . . .	<u>bm</u> /15,230	1894*; 1895-1906; 1907- 11*; 1912-15; 1931; 1933-36; 1936- +††; (1895-1915+) <u>ao</u> /
Shell Creek at Newman Grove, Nebr. . . . .	122	1949-
Shell Creek near Columbus, Nebr. . . . .	<u>a</u> /270	1947-
Platte River at North Bend, Nebr. . . . .	-	1949-
Platte River near Fremont (Leshara), Nebr. . . . .	<u>a</u> /77,100	1911-15.
Elkhorn River at O'Neill, Nebr. . . . .	<u>a</u> /651	1931-32.
Elkhorn River at Ewing, Nebr. . . . .	-	1947-
South Fork Elkhorn River at Ewing, Nebr. . . . .	-	1947-53.
Elkhorn River at Neligh, Nebr. . . . .	<u>bn</u> /2,200	1931-
Elkhorn River at Norfolk, Nebr. . . . .	<u>bn</u> /2,790	1896-1903; 1945-; (1941- ) <u>e</u> /
Logan Creek near Uehling, Nebr. . . . .	<u>a</u> /1,030	1941-
Maple Creek near Nickerson, Nebr. . . . .	-	1951-
Elkhorn River at Waterloo (Arlington), Nebr. . . . .	<u>bn</u> /6,900	1899-1903†; 1911-15†; 1928-
Platte River near Ashland, Nebr. . . . .	<u>a</u> /83,800	1928-53.
Salt Creek:		
Salt Creek subwatershed No. 3 near Sprague, Nebr. . . . .	5.54	1954-
Salt Creek subwatershed No. 12 at Roca, Nebr. . . . .	2.15	1954-
Salt Creek subwatershed No. 34 near Roca, Nebr. . . . .	9.09	1954-
Salt Creek at Roca, Nebr. . . . .	174	1951-
Salt Creek at Lincoln, Nebr. . . . .	-	1949-

\* Gage heights, or gage heights and discharge measurements only.

† Monthly figures of discharge or contents only.

‡ Fragmentary record.

+†† Records for this period do not include flow of Loup River power canal.

a/ Approximately.

e/ In reports of U. S. Weather Bureau.

aa/ In "Water Resources of Nebraska", Nebraska State Planning Board.

ao/ 73d Cong., 2d sess., H. Doc. 197, Platte River.

bb/ Approximately, includes about 910 sq mi which are probably noncontributing.

bc/ Approximately, includes about 4,800 sq mi which are probably noncontributing.

bd/ Approximately, includes about 1,750 sq mi which are probably noncontributing.

be/ Approximately, includes about 2,030 sq mi which are probably noncontributing.

bf/ Approximately, includes about 2,110 sq mi which are probably noncontributing.

bg/ Approximately, most of area is noncontributing.

bh/ Approximately, includes about 1,150 sq mi which are probably noncontributing.

bi/ Approximately, includes about 3,190 sq mi which are probably noncontributing.

bj/ Approximately, includes about 740 sq mi which are probably noncontributing.

bk/ Approximately, includes about 8,440 sq mi which are probably noncontributing.

bl/ Includes about 215 sq mi which are probably noncontributing.

bm/ Approximately, includes about 8,700 sq mi which are probably noncontributing.

bn/ Approximately, includes about 400 sq mi which are probably noncontributing.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Platte River basin--Continued.		
Salt Creek--Continued.		
Wahoo Creek at Ithaca, Nebr. . . . .	272	1949-
Silver Creek at Ithaca, Nebr. . . . .	a/72	1949-
Salt Creek near Ashland, Nebr. . . . .	a/1,640	1947-
Platte River at Louisville (near South Bend), Nebr. . . . .	-	1903*; 1953-
<u>Waubonsie Creek basin</u>		
Waubonsie Creek near Bartlett, Iowa. . . . .	a/30	1946-
<u>Weeping Water Creek basin</u>		
Weeping Water Creek at Union, Nebr. . . . .	238	1950-
Missouri River at Nebraska City, Nebr. . . . .	a/414,400	1929- (1878-99*)c/.
<u>Nishnabotna River basin</u>		
West Nishnabotna River near White Cloud, Iowa. . . . .	a/920	1918-24.
Silver Creek:		
Mule Creek near Malvern, Iowa. . . . .	10.6	1954-
West Nishnabotna River at Randolph, Iowa. . . . .	a/1,310	1948-
East Nishnabotna River:		
David's Creek near Hamlin, Iowa. . . . .	26.1	1952-
East Nishnabotna River at Red Oak, Iowa. . . . .	a/890	1918-25; 1936-
Nishnabotna River above (near) Hamburg, Iowa. . . . .	a/2,800	1922-23; 1928-
<u>Little Nemaha River basin</u>		
Little Nemaha River near Syracuse, Nebr. . . . .	218	1951-
Brownell Creek:		
Brownell Creek subwatershed No. 1, Gage No. 1, near Syracuse, Nebr. . . . .	1.70	1954-
Little Nemaha River at Auburn, Nebr. . . . .	664	1949-
<u>Tarkio River basin</u>		
Tarkio River (East Tarkio Creek) at Blanchard, Iowa. . . . .	200	1934-40.
West Tarkio Creek near Westboro, Mo. . . . .	105	1934-40.
Tarkio River at Fairfax, Mo. . . . .	508	1922-
Missouri River at Rulo, Nebr. . . . .	418,905	1949- ; (1886-99*)c/.
<u>Nemaha River basin</u>		
Nemaha River:		
Turkey Creek near Seneca, Kans. . . . .	276	1949-
North Fork Nemaha River at Humboldt, Nebr. . . . .	531	1952-
Nemaha River at Falls City, Nebr. . . . .	a/1,340	1944-
Muddy Creek at Verdon, Nebr. . . . .	188	1952-
<u>Mill Creek basin</u>		
Mill Creek at Oregon, Mo. . . . .	4.90	1950-
<u>Nodaway River basin</u>		
Nodaway River:		
West Nodaway River at Villisca, Iowa. . . . .	a/360	1918-25.
Nodaway River at Clarinda, Iowa. . . . .	a/740	1918-25; 1936-
Nodaway River near Burlington Junction, Mo. . . . .	a/1,240	1922- ; (1921-31+)d/.
Missouri River at St. Joseph, Mo. . . . .	a/424,300	1928- ; (1872- *)e/.
Missouri River at Leavenworth, Kans. . . . .	a/425,000	1922-29; (1873-99*)c/.
<u>Platte River basin (Iowa-Missouri)</u>		
Platte River at Conception Junction, Mo. . . . .	492	1921-23; 1924-25*; 1928-32.
One Hundred and Two River near (at) Maryville, Mo. . . . .	a/500	1932-
White Cloud Creek near Maryville, Mo. . . . .	6.06	1948-
Platte River near (at) Agency, Mo. . . . .	a/1,760	1924-30; 1932-
Castile Creek:		
Jenkins Branch at Gower, Mo. . . . .	2.72	1950-
<u>Kansas River basin</u>		
Arikaree River (head of Kansas River) at Haigler, Nebr. . . . .	-	1932- ; (1925- )v/; (1923-38+)aa/.
North Fork Republican River near Wray, Colo. . . . .	-	1937-46; 1951-
Pioneer Canal at Colorado-Nebraska State line. . . . .	-	1950-51.
North Fork Republican (North Fork Arikaree) River at Colorado-Nebraska State line. . . . .	-	1931- ; (1915; 1926- )v/.
Republican River (continuation of Arikaree River):		
Buffalo Creek near Haigler, Nebr. . . . .	bo/180	1940- ; (1922; 1924-31)v/.
Rock Creek at (near) Parks, Nebr. . . . .	bp/180	1940- ; (1925-33)v/.

\* Gage heights, or gage heights and discharge measurements only.

† Monthly figures of discharge or contents only.

a/ Approximately.

c/ In reports of Missouri River Commission.

d/ 73d Cong., 2d sess., H. Doc. 238, Missouri River.

e/ In reports of U. S. Weather Bureau.

v/ In reports of Nebraska Department of Roads and Irrigation.

aa/ In "Water Resources of Nebraska", Nebraska State Planning Board.

bo/ Approximately, includes about 159 sq mi which are probably noncontributing.

bp/ Approximately, includes about 166 sq mi which are probably noncontributing.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Kansas River basin--Continued.		
(North Fork) Republican River at (near) Benkelman, Nebr..	<u>bq</u> /4,770	1894-95; 1903-6; 1946- ; (1924-29; 1930-31) <u>v</u> ; (1894-95†; 1902-6†; 1923-30†) <u>br</u> /.
South Fork Republican River near Idalia, Colo. . . . .	<u>a</u> /1,300	1950-
Landsman Creek near Hale, Colo. . . . .	<u>a</u> /450	1950-
Bonny Reservoir near Hale, Colo. . . . .	-	1950-
South Fork Republican River near Hale, Colo. . . . .	-	1946-48; 1951-
South Fork Republican River near Colorado-Kansas State line. . . . .	<u>a</u> /1,860	1946-
South Fork Republican (Republican River) River near (at) Benkelman, Nebr.. . . .	-	1894-95*; 1903-6; 1931- 32; 1937- ; (1902-6†; 1923-33†) <u>aa</u> /; (1924- 29; 1930-33) <u>v</u> /.
Republican River at (near) Max, Nebr. . . . .	<u>bq</u> /7,580	1928-45.
Republican River at Stratton, Nebr. . . . .	<u>bq</u> /7,940	1950-
Swanson Lake, Nebr. . . . .	-	1953-
Republican River at Trenton, Nebr.. . . .	<u>bq</u> /8,120	1946-
Republican River at (near) Culbertson, Nebr.. . . .	<u>bq</u> /8,200	1913-15*; 1931-50; (1922; 1924-50) <u>v</u> ; (1921-29†) <u>aa</u> /.
Frenchman Creek near (above) Champion, Nebr.. . . .	-	1932-40.
Frenchman Creek below (near) Champion, Nebr.. . . .	<u>bs</u> /940	1935-
Frenchman Creek near (south of) Imperial (near Harvey Dam site), Nebr. . . . .	<u>bt</u> /1,220	1940- ; (1924-30) <u>v</u> /.
Enders Reservoir, Nebr. . . . .	<u>bu</u> /1,300	1950-
Frenchman Creek near Enders, Nebr.. . . .	<u>bu</u> /1,300	1946-
Frenchman Creek near Wauneta, Nebr. . . . .	-	1895*; 1896; (1924-30) <u>v</u> /.
Frenchman Creek near Hamlet, Nebr.. . . .	<u>bv</u> /1,480	1929- ; (1928-30†) <u>br</u> /.
Frenchman Creek at Palisade, Nebr.. . . .	<u>bv</u> /1,500	1894-96; 1950- ; (1925; 1927-30) <u>v</u> /.
Stinking Water Creek near Wauneta, Nebr.. . . .	<u>bw</u> /1,260	1940-50.
Stinking Water Creek near Palisade, Nebr. . . . .	<u>bx</u> /1,390	1949-
Frenchman Creek (River) at Culbertson, Nebr.. . . .	<u>by</u> /3,080	1913-15*; 1931- ; (1922- ) <u>v</u> ; (1921-38†) <u>aa</u> /.
Blackwood Creek near Culbertson, Nebr.. . . .	<u>a</u> /290	1946-
Driftwood Creek near McCook, Nebr.. . . .	<u>a</u> /360	1946-
Republican River at (near) McCook, Nebr.. . . .	<u>bq</u> /12,560	1931-32; 1954- ; (1924-31) <u>v</u> /.
Red Willow Creek near McCook, Nebr. . . . .	-	1940-47.
Red Willow Creek near Red Willow, Nebr.. . . .	<u>bz</u> /710	1939- ; (1925-31) <u>v</u> /.
Dry Creek:		
Dry Creek subwatershed No. 2 near Bartley, Nebr.. . . .	6.68	1955-
Medicine Creek at Maywood, Nebr.. . . .	<u>ca</u> /207	1951-
Brushy Creek near Maywood, Nebr.. . . .	<u>cb</u> /130	1951-
Fox Creek at Curtis, Nebr.. . . .	<u>a</u> /77	1951-
Dry Creek near Curtis, Nebr.. . . .	<u>a</u> /20	1951-
Medicine Creek above Harry Strunk Lake (Medicine Creek Reservoir), Nebr. . . . .	-	1950-
Mitchell Creek above Harry Strunk Lake (Medicine Creek Reservoir), Nebr. . . . .	<u>a</u> /53	1950-
Harry Strunk Lake, Nebr.. . . .	-	1949-
Medicine Creek below Harry Strunk Lake (Medicine Creek Dam), Nebr. . . . .	-	1950-
Medicine Creek at (near) Cambridge, Nebr.. . . .	<u>cc</u> /1,070	1936- ; (1925-31) <u>v</u> ; (1922-31†) <u>aa</u> /.

\* Gage heights, or gage heights and discharge measurements only.

† Monthly figures of discharge or contents only.

a/ Approximately.

v/ In reports of Nebraska Department of Roads and Irrigation.

aa/ In "Water Resources of Nebraska", Nebraska State Planning Board.

bq/ Approximately, of which a large area does not contribute directly to surface runoff.

br/ 73d Cong., 2d sess., H. Doc. 195, Kansas River.

bs/ Approximately, includes about 370 sq mi which are probably noncontributing.

bt/ Approximately, includes about 460 sq mi which are probably noncontributing.

bu/ Approximately, includes about 480 sq mi which are probably noncontributing.

bv/ Approximately, includes about 520 sq mi which are probably noncontributing.

bw/ Approximately, includes about 920 sq mi which are probably noncontributing.

bx/ Approximately, includes about 960 sq mi which are probably noncontributing.

by/ Approximately, includes about 1,520 sq mi which are probably noncontributing.

bz/ Approximately, includes about 310 sq mi which are probably noncontributing.

ca/ Includes about 125 sq mi which are probably noncontributing.

cb/ Includes about 58 sq mi which are probably noncontributing.

cc/ Approximately, includes about 390 sq mi which are probably noncontributing.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Kansas River basin--Continued.		
Republican River at Cambridge, Nebr. . . . .	<u>bq</u> /14,300	1945-
Muddy Creek at Arapahoe, Nebr. . . . .	243	1950-
Republican River near Orleans, Nebr. . . . .	<u>bq</u> /15,400	1947-
Sappa Creek near Oberlin, Kans. . . . .	<u>a</u> /1,050	1929-32; 1944-
Sappa Creek near Beaver City, Nebr. . . . .	<u>a</u> /1,500	1937-
Beaver Creek at Ludell, Kans. . . . .	<u>a</u> /1,460	1929-32; 1945-53.
Beaver Creek at Cedar Bluffs, Kans. . . . .	<u>a</u> /1,710	1946-
Beaver Creek near Beaver City, Nebr. . . . .	<u>a</u> /2,060	1937-
Sappa Creek near Stamford, Nebr. . . . .	<u>cd</u> /3,840	1945-
Prairie Dog Creek at Norton, Kans. . . . .	721	1944-
Prairie Dog Creek near Woodruff, Kans. . . . .	<u>a</u> /1,050	1929-32; 1945- ; (1928-30 <sup>†</sup> ) <u>br</u> /.
Harlan County Reservoir, Nebr. . . . .	-	1952-
Republican River below Harlan County Dam, Nebr. . . . .	<u>bq</u> /20,760	1952-
Turkey Creek at Naponee, Nebr. . . . .	160	1948-53.
Republican River near Bloomington, Nebr. . . . .	<u>bq</u> /20,800	1929- ; (1928-38 <sup>†</sup> ) <u>aa</u> /.
Center Creek at Franklin, Nebr. . . . .	111	1948-
Thompson Creek at Riverton, Nebr. . . . .	295	1948-
Elm Creek at Amboy, Nebr. . . . .	<u>a</u> /54	1948-53.
Republican River near Guide Rock, Nebr. . . . .	<u>bq</u> /22,060	1950-
Courtland Canal at Nebraska-Kansas State line. . . . .	-	1954-
Republican River near Hardy (at Bostwick), Nebr. . . . .	<u>bq</u> /22,400	1904-15 <sup>†</sup> ; 1931-
White Rock Creek at Lovewell, Kans. . . . .	<u>a</u> /358	1946-
Republican River at Scandia, Kans. . . . .	<u>bq</u> /22,930	1919-25; 1928-44; 1950-
Buffalo Creek:		
West Buffalo Creek near Jewell, Kans. . . . .	15.2	1934-38.
West Buffalo Creek at Jewell, Kans. . . . .	16.8	1934-38.
Republican River at Concordia, Kans. . . . .	<u>bq</u> /23,540	1946- ; (1931-*) <u>e</u> /.
Republican River at Clay Center (Wakefield), Kans. . . . .	<u>bq</u> /24,570	1917- ; (1904-*) <u>e</u> /.
Republican River at Milford, Kans. . . . .	<u>bq</u> /24,900	1950-
Republican River at Junction City (Junction), Kans. . . . .	<u>bq</u> /24,960	1895-1905.
Smoky Hill River:		
Rose Creek near Wallace, Kans. . . . .	28.5	1946-53.
North Fork Smoky Hill River near McAllaster, Kans. . . . .	<u>a</u> /670	1946-53.
Beaver (Ladder) Creek near Scott City, Kans. . . . .	<u>a</u> /1,067	1904-5*.
Ladder Creek below Chalk Creek, near Scott City, Kans. . . . .	<u>a</u> /1,460	1951-
Smoky Hill River at Elkader, Kans. . . . .	3,555	1939-
Hackberry Creek near Gove, Kans. . . . .	426	1946-53.
Smoky Hill River near Arnold (Ransom), Kans. . . . .	<u>a</u> /5,220	1950-
Cedar Bluff Reservoir near Ellis, Kans. . . . .	<u>a</u> /5,300	1950-54 <sup>†</sup> ; 1954-
Smoky Hill River at Cedar Bluff Dam, Kans. . . . .	<u>a</u> /5,300	1952-
Smoky Hill River near Ellis, Kans. . . . .	<u>a</u> /5,630	1941-52.
Smoky Hill River at Pfeifer, Kans. . . . .	<u>a</u> /6,070	1929-32.
Big Creek near Hays, Kans. . . . .	594	1946-
Smoky Hill River near Russell, Kans. . . . .	6,965	1939-
Smoky Hill River at Ellsworth, Kans. . . . .	<u>a</u> /7,580	1895-1905; 1918-25; 1928-
Kanopolis Reservoir near Kanopolis, Kans. . . . .	7,857	1948-54 <sup>†</sup> ; 1954-
Smoky Hill River near Langley, Kans. . . . .	7,857	1940-
Smoky Hill River at Lindsborg, Kans. . . . .	8,110	1930- ; (1905-23 <sup>†</sup> ) <u>ce</u> /.
Smoky Hill River near Mentor (Salina), Kans. . . . .	8,230	1923-32; 1947-
Saline River near Russell, Kans. . . . .	1,502	1945-
Paradise Creek near Paradise, Kans. . . . .	212	1946-53.
Saline River near Wilson, Kans. . . . .	<u>a</u> /1,900	1929-
Wolf Creek near Sylvan Grove, Kans. . . . .	261	1945-53.
Saline River near Beverly, Kans. . . . .	2,730	1895-97.
Saline River at Tescott, Kans. . . . .	2,820	1919-
Saline River near Salina, Kans. . . . .	3,311	1897-1903.
Smoky Hill River near New Cambria, Kans. . . . .	<u>a</u> /11,980	1948-53 <sup>†</sup> .
North Fork Solomon River at Glade, Kans. . . . .	849	1952-
Bow Creek near Stockton, Kans. . . . .	337	1950-
North Fork Solomon River at Kirwin, Kans. . . . .	<u>a</u> /1,290	1919-25; 1928-32; 1941-
North Fork Solomon River near Downs, Kans. . . . .	<u>a</u> /2,390	1945-

\* Gage heights, or gage heights and discharge measurements only.

† Monthly figures of discharge or contents only.

‡ Fragmentary record.

a/ Approximately.

e/ In reports of U. S. Weather Bureau.

aa/ In "Water Resources of Nebraska", Nebraska State Planning Board.

bq/ Approximately, of which a large area does not contribute directly to surface runoff.

br/ 73d Cong., 2d sess., H. Doc. 195, Kansas River.

cd/ Approximately, includes about 280 sq mi which are probably noncontributing.

ce/ In reports of Kansas State Board of Agriculture.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Kansas River basin--Continued.		
Smoky Hill River--Continued.		
North Fork Solomon River--Continued.		
South Fork Solomon River above Webster Reservoir (at Webster), Kans. . . . .	a/1,036	1945-
South Fork Solomon River at Alton, Kans. . . . .	a/1,720	1919-25; 1928-32; 1942-
South Fork Solomon River at Osborne, Kans. . . . .	2,024	1946-
Solomon River:		
Limestone Creek:		
East Limestone Creek near Ionia, Kans. . . . .	27.3	1934-38.
Elm Creek near Ionia, Kans. . . . .	22.7	1934-38.
East Limestone Creek at Ionia, Kans. . . . .	51.6	1934-35.
Solomon River at Beloit, Kans. . . . .	a/5,430	1895-97; 1929- (1905-29*)e/.
Solomon River at Niles (near Bennington), Kans. . . . .	a/6,770	1897-1903; 1917-
Smoky Hill River at (near) Solomon (near Abilene), Kans. . . . .	a/18,830	1904*; 1918-21, 1922- 34; (1904-18)ce/; (1904-34*)e/.
Smoky Hill River at Enterprise, Kans. . . . .	a/19,200	1934-
Chapman Creek near Chapman, Kans. . . . .	300	1953-
Lyon Creek near Woodbine, Kans. . . . .	230	1953-
Smoky Hill River at Junction City, Kans. . . . .	a/19,900	1951-
Kansas River at Ogden, Kans. . . . .	cf/45,240	1917-51.
Big Blue River:		
Lincoln Creek near Seward, Nebr. . . . .	-	1953-
Big Blue River at Seward, Nebr. . . . .	-	1954-
Big Blue River near Crete, Nebr. . . . .	a/2,680	1945-
Big Blue River at Beatrice, Nebr. . . . .	a/3,360	1910-15; (1905-*)e/.
Big Blue River at Barneston, Nebr. . . . .	a/4,420	1932-
Big Blue River at Hull, Kans. . . . .	a/4,540	1919-25; 1928-40.
Little Blue River near Deweese (at Blue Bluff), Nebr. . . . .	-	1912*; 1953-
Little Blue River at Angus, Nebr. . . . .	-	1950-53.
Little Blue River near Endicott (Fairbury), Nebr. . . . .	a/2,340	1908-15; 1929-
Little Blue River at Waterville, Kans. . . . .	a/3,440	1922-25; 1928-
Black Vermillion Creek:		
Snipe Creek near Beattie, Kans. . . . .	18.0	1954-
Black Vermillion Creek near Frankfort, Kans. . . . .	412	1953-
Big Blue River at Randolph, Kans. . . . .	a/9,100	1918-
Fancy Creek at Winkler, Kans. . . . .	176	1953-
Big Blue River <u>cg</u> / near Manhattan, Kans. . . . .	a/9,560	1895-1905, 1951, 1954-; (1888-93*; 1904-14*)e/.
Kansas River at Wamego, Kans. . . . .	cf/55,240	1919- ; (1914- *)e/.
(Red) Vermillion Creek near Wamego, Kans. . . . .	243	1936-46; 1954-
Mill Creek near Paxico, Kans. . . . .	316	1953-
Kansas River at Topeka, Kans. . . . .	cf/56,710	1904*; 1917- ; (1904- *)e/.
Soldier Creek near (at) Topeka, Kans. . . . .	268	1929-
Delaware River:		
Little Delaware River near Horton, Kans. . . . .	19.3	1954-
Delaware River at Valley Falls, Kans. . . . .	922	1922-
Kansas River at Lecompton, Kans. . . . .	cf/58,420	1896*; 1899-1905; 1906*; 1936-
Wakarusa River near Lawrence, Kans. . . . .	458	1929-
Stranger Creek near Tonganoxie, Kans. . . . .	406	1929-
Kansas River at Bonner Springs, Kans. . . . .	cf/59,890	1917-
Missouri River at Kansas City, Mo. . . . .	a/489,200	1897-1928†; 1928- ; (1879-90†)c/; (1873- *)e/.
Blue River basin		
Blue River near Kansas City, Mo. . . . .	188	1939-
Little Blue River basin		
Little Blue River near Lake City, Mo. . . . .	184	1948-
Fishing River basin		
Fishing River:		
East Fork Fishing River at Excelsior Springs, Mo. . . . .	20.0	1951-
Crooked River basin		
Crooked River near Richmond, Mo. . . . .	159	1948-

\* Gage heights, or gage heights and discharge measurements only.

† Monthly figures of discharge or contents only.

a/ Approximately.

c/ In reports of Missouri River Commission.

e/ In reports of U. S. Weather Bureau.

ce/ In reports of Kansas State Board of Agriculture.

cf/ Approximately, includes about 5,700 sq mi which are probably noncontributing.

cg/ Published as Kansas River near (at) Manhattan 1904-12 by U. S. Weather Bureau.

<u>Gaging station</u>	<u>Drainage area (sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Missouri River at Waverly, Mo. . . . .	a/491,200	1929- ; (1878-79*;1883-99*)c/; (1915- *)e/.
<u>Wakenda Creek basin</u>		
Wakenda Creek at Carrollton, Mo. . . . .	248	1948-
<u>Grand River basin</u>		
Grand River:		
East Fork Grand River:		
Thompson Branch near Albany, Mo. . . . .	5.58	1955-
East Fork Big Creek near Bethany, Mo. . . . .	a/95	1934-
Grand River near Gallatin, Mo. . . . .	a/2,250	1921-
Thompson (Grand) River at Davis City, Iowa. . . . .	702	1918-25; 1941-
Weldon River near Mercer, Mo. . . . .	246	1939-
Weldon River at Mill Grove, Mo. . . . .	494	1929-
Thompson River at Trenton (near Hickory), Mo. . . . .	a/1,670	1921-23; 1928- ; (1910-14*; 1925- *)e/.
Medicine Creek near Galt, Mo. . . . .	225	1921-
Medicine Creek near Sturgis, Mo. . . . .	368	1929-33.
Locust Creek near Milan, Mo. . . . .	225	1921-33.
Locust Creek near Linneus, Mo. . . . .	a/550	1929-
Grand River near Sumner, Mo. . . . .	a/6,880	1924-
Yellow Creek:		
East Yellow Creek:		
Winnegan Creek:		
Hamilton Branch near New Boston, Mo. . . . .	2.51	1955-
Yellow Creek near Rothville, Mo. . . . .	405	1929-32; 1948-51.
<u>Chariton River basin</u>		
Chariton River:		
Honey Creek near Russell, Iowa. . . . .	13.8	1952-
Chariton River near Centerville, Iowa. . . . .	727	1938-
Chariton River at Novinger, Mo. . . . .	a/1,370	1931-52; 1954-
Chariton River at Elmer, Mo. . . . .	a/1,660	1921-30.
Chariton River near Prairie Hill (Keytesville), Mo. . . . .	a/1,870	1929-
Mussel Fork near Musselfork, Mo. . . . .	267	1948-51.
Missouri River at Glasgow, Mo. . . . .	502,875	1949-53; (1878-99*)c/; (1903-14*)e/.
<u>Lamine River basin</u>		
Lamine River at Clifton City, Mo. . . . .	598	1922-
South Fork Blackwater River:		
East Branch South Fork Blackwater River near Elm, Mo. . . . .	16.4	1954-
Blackwater River at Blue Lick, Mo. . . . .	a/1,120	1922-33; 1938-
Salt Fork:		
Camp Creek:		
Shiloh Branch near Marshall, Mo. . . . .	2.87	1952-
Missouri River at Boonville, Mo. . . . .	a/505,700	1925- ; (1873- *)e/.
<u>Moniteau Creek basin</u>		
Moniteau Creek near Fayette, Mo. . . . .	a/81	1948-
<u>Petite Saline Creek basin</u>		
Petite Saline Creek near Boonville, Mo. . . . .	182	1948-
<u>Moreau River basin:</u>		
Moreau River near Jefferson City, Mo. . . . .	531	1947-
<u>Osage River basin</u>		
Marais des Cygnes (Osage) River at Melvern, Kans. . . . .	363	1939-
Salt Creek near Lyndon, Kans. . . . .	111	1939-
Hundred and Ten Mile Creek:		
Dragoon Creek:		
Switzler Creek at Burlingame, Kans. . . . .	26.3	1954-
Hundred and Ten Mile (Dragoon) Creek near Quenemo, Kans. . . . .	321	1939-
Marais des Cygnes (Osage) River near Quenemo, Kans. . . . .	1,030	1922-38.
Marais des Cygnes (Osage) River near (at) Ottawa, Kans. . . . .	a/1,260	1902-5; 1918- ; (1911-14)ce/.
Pottawatomie Creek near Garnett, Kans. . . . .	334	1939-
Pottawatomie Creek at Lane, Kans. . . . .	513	1929-32.
Big Bull Creek near Hillsdale, Kans. . . . .	147	1948-
Big Bull Creek at Paola, Kans. . . . .	223	1929-32.
Marais des Cygnes (Osage) River at Trading Post, Kans. . . . .	a/2,910	1921-23; 1928-
Big Sugar Creek at Farlinville, Kans. . . . .	198	1929-32; 1948-
Little Osage River at Fulton, Kans. . . . .	295	1948-
Marmaton River near Fort Scott, Kans. . . . .	411	1921-25; 1929-
Little Osage River at Stotesbury, Mo. . . . .	427	1929-32.

\* Gage heights, or gage heights and discharge measurements only.

a/ Approximately.

c/ In reports of Missouri River Commission.

e/ In reports of U. S. Weather Bureau.

ce/ In reports of Kansas State Board of Agriculture.



<u>Gaging station</u>	<u>Drainage area</u> <u>(sq mi)</u>	<u>Period of record</u>
Missouri River--Continued.		
Osage River basin--Continued.		
Sac River:		
Little Sac River near Springfield, Mo. . . . .	a/40	1927-31.
Sac River near Stockton, Mo. . . . .	a/1,160	1921-
Cedar Creek near Pleasant View, Mo. . . . .	420	1923-26; 1948-
Sac River near Collins, Mo. . . . .	a/1,900	1923-25.
Osage River at Osceola, Mo. . . . .	a/8,220	1921-28; 1930- ; (1910-33*; 1938- *)e/.
Pomme de Terre River near Bolivar, Mo. . . . .	225	1950-
Pomme de Terre River at Hermitage, Mo. . . . .	655	1921-
South Grand River near Brownington, Mo. . . . .	a/1,660	1921-
Osage River at Warsaw, Mo. . . . .	a/11,500	1925-31; (1917- *)e/.
West Fork Niangua River:		
Niangua Branch at Marshfield, Mo. . . . .	0.82	1950-
Niangua River:		
Spring Branch:		
Bennett Spring at Bennett Springs (Brice), Mo. . . . .	-	1928-39; (1916-20)ch/.
Niangua River near Decaturville, Mo. . . . .	627	1930-
Hahatonka Spring at Hahatonka, Mo. . . . .	-	1922-26.
Niangua River near Roach, Mo. . . . .	698	1922-30.
Lake of the Ozarks near Bagnell, Mo. . . . .	a/14,000	1938- t; (1931-39+)ch/; (1932- *)e/.
Osage River near Bagnell, Mo. . . . .	a/14,000	1925- ; (1880-1925+)ch/; (1880-1931*)c/ e/.
Osage River near St. Thomas, Mo. . . . .	a/14,500	1931-
Maries River at Westphalia, Mo. . . . .	257	1947-
Missouri River near Bonnots Mill (at Isbell), Mo. . . . .	a/523,400	1928-36; (1894-99*)c/; (1936-39*)ch/.
Gasconade River basin		
Gasconade River near Hazlegreen, Mo. . . . .	a/1,250	1929- ; (1928-30+)ci/.
Gasconade River near Waynesville, Mo. . . . .	a/1,680	1921- ; (1914-21+)ch/.
Big Piney River:		
Brushy Creek:		
Coyle Branch at Houston, Mo. . . . .	1.10	1949-55.
Big Piney River (Piney Creek) near Houston, Mo. . . . .	-	1908-9*.
Big Piney River (Piney Creek) near Big Piney, Mo. . . . .	a/560	1921-
Big Piney River (Piney Creek) near Hooker, Mo. . . . .	-	1903.
Little Piney Creek:		
Beaver Creek near Rolla, Mo. . . . .	14.0	1948-55.
Little Beaver Creek near Rolla, Mo. . . . .	6.41	1947-
Little Piney Creek at Newburg, Mo. . . . .	a/200	1928-
Little Piney Creek near Arlington, Mo. . . . .	-	1903.
Mill Creek:		
Wilkins Spring near Newburg, Mo. . . . .	-	1953-
Gasconade River at Jerome (Arlington), Mo. . . . .	a/2,840	1903-6; 1923- ; (1915-30+)ci/; (1885- 1926*; 1938- *)e/.
Gasconade River near Rich Fountain, Mo. . . . .	a/3,180	1921- ; (1915-30+)ci/.
Missouri River at Hermann, Mo. . . . .	a/528,200	1897-1928+, 1928- ; (1873- *)e/.
Loutre River basin		
Loutre River:		
Clear Fork:		
Rumbo Branch at Danville, Mo. . . . .	1.40	1953-
Loutre River at Mineola, Mo. . . . .	202	1947-
Missouri River at Ruegg (Bellefontaine Bridge), Mo. . . . .	a/529,300	1933-35; (1892-99*)c/.

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† Monthly figures of discharge or contents only.

a/ Approximately.

c/ In reports of Missouri River Commission.

e/ In reports of U. S. Weather Bureau.

ch/ In reports of Missouri Geological Survey and Water Resources

ci/ 72d Cong., 1st sess., H. Doc. 192, Gasconade River.

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